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GOBERNANZA EN ECOSISTEMAS, MEDIOS DE VIDA Y AGUA

QUARTERLY REPORT NO. 11

APRIL 2019

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ACRONYMS AND ABBREVIATIONS

AAPP	Áreas Protegidas	Protected Areas
ACC	Adaptación al Cambio Climático	Adaptation to Climate Change
ACCESO	Acceso a Mercados, FINTRAC	Access to Markets, FINTRAC
ACS	Alianza para el Corredor Seco	Alliance for the Dry Corridor
ADEC	Agua y Desarrollo Comunitario	Community Water and Development
ADELSAR	Agencia de Desarrollo Estratégico Local de Santa Rosa de Copan.	Strategic Local Development agency of Santa Rosa de Copan
ADEVAS	Agencia de Desarrollo Estratégico Local del Valle de Sensenti	Strategic Local Development Agency of the Sensenti Valley
AECID	La Agencia Española de Cooperación Internacional para el Desarrollo	Spanish Agency for International Development and Cooperation
AESMO	Asociación Ecológica San Marcos de Ocotepeque	San Marcos de Ocotepeque Ecological Association
AHAC	Agencia Hondureña de Aeronáutica Civil	Civil Aeronautics Agency of Honduras
AJAA	Asociación de Juntas Administradoras de Agua y Saneamiento	Association of Water and Sanitation Management Boards
AJAAM	Asociación de Juntas Administradoras de Agua	Association of Water Management Boards
AJAAMEN	Asociación de Juntas Administradoras de Agua del Municipio de El Nispero	Association of Water Management Boards of the El Nispero Municipality
AJAMCHI	Asociación de Juntas de Agua del Municipio de Chinacla	Association of Water Boards of the Chinacla Municipality
AMUCALAY	Asociación de Mujeres Cacaoteras del Lago de Yojoa	Association of Female Chocolate Producers of Lago Yojoa
AMUPROLAGO	Asociación de Municipios para la Protección del Lago de Yojoa	Association of Municipalities for the Protection of Lago de Yojoa
APA	Asociación de Productores Agrícolas	Association of Agricultural Producers
ASHO	Asociación Hondureña de Ornitología	Honduran Ornithology Association
ASIDE	Asociación de Investigación para el Desarrollo Ecológico y Socioeconómico	Association for Ecological and Socioeconomic Development Research
ASOCIALAYO	Asociación de Comités de Investigación Agrícola Local del Lago de Yojoa	Association of Agricultural Investigation Committees of Lago Yojoa
ASOMAINCUPACO	Asociación para el Manejo Integrado de Cuencas de La Paz y Comayagua	Association for Comprehensive Management of Watersheds in La Paz and Comayagua
AVC	Adaptación a la Variabilidad Climática	Adaptation to Climate Variability
BECAMO	Beneficio de Café Montecristo	Montecristo Coffee Farm
BPA	Mejores Prácticas Agrícolas	Best Agricultural Practices
BPM	Mejores Prácticas de Producción	Best Manufacturing Practices
CAFFEX	Café Fino de Exportación	Quality Exportation Coffee

CANATURH	Cámara Nacional de Turismo de Honduras	National Chamber of Tourism of Honduras
CDE	Centro de Desarrollo Empresarial	Enterprise Development Center
CC	Cambio Climático	Climate Change
CEASO	Centro de Enseñanza y Aprendizaje de Agricultura Sostenible	Teaching and Learning Center for Sustainable Agriculture
CEB	Centro de Educación Básico	Basic Education Center
CENAO	Centro Nacional de Estudios Atmosféricos, Oceanográficos y Sísmicos	National Center of Atmospheric, Oceanographic and Seismic Studies
CIAT	Centro Internacional de Agricultura Tropical	International Center of Tropical Agriculture
CICOH	Centro Información Climática en el Occidente de Honduras	Climate Information Center of the Western Region of Honduras
CIH	Consejo Intermunicipal Higuito	Higuito Intermunicipal Council
CLIFOR-GIZ	Programa Adaptación al Cambio Climático en el Sector Forestal	Program of Adaptation to Climate Change in the Forestry Sector
COAGRICSAL	Cooperativa Agrícola Cafetalera San Antonio Limitada	San Antonio Agricultural Coffee Cooperative Limited
COCAFAL	Cooperativa Cafetalera Capucas Limitada	Capucas Coffee Producers Cooperative Limited
COCAFELOL	Cooperativa Cafetalera Ecológica La Labor Ocotepeque Limitada	La Labor Ocotepeque Ecological Coffee Producers Cooperative Limited
COCEPRADII	Comité Central Pro Agua y Desarrollo Integral de Intibucá	Central Water and Holistic Development Committee of Intibucá
CODEL	Comité de Emergencia Local	Local Emergency Committee
CODEM	Comité de Emergencia Municipal	Municipal Emergency Committee
COHONDUCAFE	Cooperativa Hondureña del Café	Honduran Coffee Cooperative
COHORSIL	Cooperativa Cafetalera Siguatepeque Limitada	Siguatepeque Coffee Cooperative Limited
COLOSUCA	Mancomunidad de los Municipios Lencas del Centro de Lempira	Municipal Association of the Lenca Municipalities of the Center of Lempira
COMAS	Comisiones Municipales de Agua y Saneamiento	Water and Sanitation Municipal Commission
COMCHIGUA	Consejo de Cuencas de El Chiflador y Guaralape	El Chiflador and Guaralape Watershed Board
COMUCAP	Asociación Coordinadora de Mujeres Campesinas de la Paz	Coordinating Association of Peasant Women of La Paz
CONEANFO	Comisión Nacional para el Desarrollo de la Educación Alternativa no Formal en Honduras	National Commission for Alternative Non-Formal Education Development
COPECO	Comisión Permanente de Contingencias	Permanent Emergency Commission
COPRAUL	Cooperativa Regional Agroforestal Agricultores Unidos Limitada	Limited Regional Agroforestry Cooperative United Agriculturers
COREPROFOR	Comité Regional de Protección Forestal	Regional Committee for the Protection of Forests

CP	Producción Mas Limpia	Cleaner Production
CRADVISMIL	Cooperativa Regional Agropecuaria y de Servicios Visión 2000 Limitada	Vision 2000 Regional Agricultural and Service Cooperative LTDA
CURC	Centro Universitario Regional del Centro	Central Region University Center
CUROC	Centro Universitario Regional de Occidente	Western Region University Center
DAP-ICF	Departamento de Áreas Protegdas- ICF	Department of Protected Areas- ICF
DCHA-ICF	Departamento de Cuencas Hidrográficas y Ambiente- ICF	Department of Watersheds and Environment- ICF
DGRH	Dirección General de Recursos Hídricos	General Directorate of Water Resources
DNCC	Dirección Nacional de Cambio Climático (MIAMBIENTE)	Climate Change National Directorate (MIAMBIENTE)
DQA	Evaluación de la Calidad de los Datos	Data Quality Assessment
EAPC	Estándares Abiertos para la Práctica de la Conservación	Open Standards for the Practice of Conservation
EAPO	Escuela Agrícola Pompilio Ortega	Pompilio Ortega Agricultural School
EM	Estufas Mejoradas	Improved Stoves
EMMP	Planes de Monitoreo y Mitigación Ambiental	Environmental Monitoring and Mitigation Plans
ENEE	Empresa Nacional de Energía Eléctrica	National Electric Energy Company
ERSAP	Ente Regulador y Control de los Servicios de Agua Potable y Saneamiento	Regulator and Control of Drinking water and Sanitation Services
EU	Unión Europea	European Union
FEHDME	Federación Hondureña de Deportes de Montaña y Escalada	Honduran Federation of Climbing and Hiking Sports
FHONDIL	Federación Hondureña de Indígenas Lencas	Honduran Federation of Lenca Indigenous People
FUNDAUNAH	Fundación UNAH	UNAH Foundation
FUNDER	Fundación para el Desarrollo Rural	Foundation for Rural Development
GEMA	Gobernanza en Ecosistemas, Medios de Vida y Agua	Ecosystem, Livelihoods and Water Management
GIS	Sistema de Información Geográfica	Geographic Information System
GLH	Gobernabilidad Local en Honduras	Local Governance Activity in Honduras
HDH	Asociación Hermandad de Honduras	Hermandad de Honduras Association
HQC	Café de Calidad de Honduras	Honduran Quality Coffee
HUPA	Honduras un País de Aventuras	Honduras - Country of Adventures
ICF	Instituto Nacional de Conservación y Desarrollo Forestal, Áreas Protegidas y Vida Silvestre	National Institute for Conservation, Forestry Development, Protected Areas, and Wildlife
IDEAS	Innovaciones para el Desarrollo Empresarial Ambiental y Social	Innovations for Environmental and Social Business Development
IFB	Invitación a Licitar	Invitation for Bids
IHCAFE	Instituto Hondureño del Café	Honduran Coffee Institute

IHT	Instituto Hondureño de Turismo	Honduran Tourism Institute
IICA	Instituto Interamericano de Cooperación para la Agricultura	Interamerican Institute for Cooperation on Agriculture
IIE	Índice de Integridad Ecológica	Ecological Integrity Index
IMEGH	Instrumento de Medición de Gobernanza Hídrica	Water Governance Measurement Tool
IMGH	Instrumento de Medición de la Gobernanza Hídrica	Water Governance Measurement Tool
INCEBIO	Fundación de Ciencias para el Estudio y la Conservación de la Biodiversidad	Science Foundation for Studies and Conservation of Biodiversity
ITRR	Instituto Técnico Dr. Ramón Rosa	Ramon Rosa Technical Institute
JAA	Junta Administradora de Agua	Water Management Board
JAPOE	Junta de Agua Potable y Excretas de Jesús de Otoro	Water Management Board for Potable and Waste Water in Jesus de Otoro
JPCH	Jóvenes para la Conservación de Honduras	Youth for the Conservation of Honduras
LOP	Vida del Proyecto	Life of Project
LTTA	Asistencia Técnica de Largo Plazo	Long Term Technical Assistance
M&E	Monitoreo y Evaluación	Monitoring and Evaluation
MAMCEPAZ	Mancomunidad de Municipios del Centro de La Paz	Municipal Association of the Municipalities of the Central Area of La Paz
MAMLESIP	Mancomunidad de Municipios Lenca de la Sierra de La Paz	Municipal Association of Lenca Municipalities in Sierra de La Paz
MAMUNI	Mancomunidad del Norte de Intibucá	Municipal Association of Northern Intibucá
MANVASEN	Mancomunidad de Municipios del Valle de Sensenti	Municipal Association of the Municipalities of the Valle de Sensenti
MAPANCE	Mancomunidad de Municipios del Parque Nacional Montaña de Celaque	Municipal Association of the Municipalities of the Montaña de Celaque National Park
MC	Microcuenca	Microwatershed
MCH	Sistema de Información Meteorológica, Climatológica e Hidrológica	Meteorological Climatology and Hydrologic Information Systems
MCSE	Mecanismo de Compensación por Servicios Ecosistémicos	Ecosystem Compensation Services Mechanism
MdH	Molinos de Honduras	Mills of Honduras
MELP	Plan de Monitoreo, Evaluación y Aprendizaje	Monitoring, Evaluation and Learning Plan
MESCLA	Apoyo de Monitoreo y Evaluación para el Aprendizaje y la Adaptación	M&E Support for Collaborative Learning and Adapting
MIAMBIENTE	Secretaría de Estado en los Despachos de Energía, Recursos Naturales, Ambiente y Minas	Secretary of State for the Departments of Energy, Natural Resources, Environment, and Mines
MILPAH	Movimiento Indígena Lenca de La Paz	Lenca Indigenous Movement of La Paz

MOCAPH	Mesa de Organizaciones Comanejadoras de Áreas Protegidas de Honduras	Roundtable of Co-managers of Protected Areas in Honduras
MOU	Memorandum de Entendimiento	Memorandum of Understanding
MSME	Micro, Pequeña y Mediana Empresas	Micro, Small, Medium Enterprises
MUNASBAR	Mancomunidad de Municipios del Sur de Santa Bárbara	Municipal Association of South Santa Bárbara
OCDIH	Organismo Cristiano de Desarrollo Integral de Honduras.	Christian Organization for Integral Development in Honduras
ODECO	Organización para el Desarrollo de Corquín.	Organization for Corquin Development.
OL	Oficina Local	Local Office
OMM	Organización Meteorológica Mundial	World Meteorological Organization
PAG	Proyecto Aldea Global	Global Village Project
PAMEH	Plataforma Administradora de Módulos de Exoneración en Honduras	Administration Platform for Exoneration Modules in Honduras
PAPFOR	Programa de Apoyo Presupuestario para el Sector Forestal	Budget Support Program for the Forestry Sector
PERSUAP	Plan de Uso Seguro y Reporte de Plaguicidas	Pesticide Evaluation Report and Safer Use Action Plan
PCA	Plan de Conservación de Área	Area Conservation Plan
PCAT	Plan de Entrenamiento y Asistencia Técnica	Training and Technical Assistance Plan
PILARH	Proyectos e Iniciativas Locales Para el Auto Desarrollo Regional de Honduras	Projects and local Initiatives for The Regional Self-Development for Honduras.
PIRS	Hoja de Referencia de Rendimiento de Indicadores	Performance Indicator Reference Sheet
PMMA	Plan de Monitoreo y Mitigación Ambiental	Environmental Mitigation and Monitoring Plans
PNMC	Parque Nacional Montana Celaque	Celaque Mountain National Park
PODER	Proyecto de Productividad y Oportunidades para el Desarrollo a través de Energía Renovable	Productivity and Opportunities for Development through Renewable Energy Project
PPP	Alianza Público Privada	Public Private Partnership
PROCAGICA	Programa Centroamericano de Gestión Integral de la Roya del Café	Central American Coffee Rust Integrated Management Program
PROCAMBIO-GIZ	Manejo sostenible de recursos con enfoque de cambio climático	Sustainable management of resources in the focus of climate change
PROMUSAN	Programas Municipales de Seguridad Alimentaria	Municipal Food Security Programs
PRR	Programa de Reconstrucción Rural	Rural Reconstruction Program
QGIS	Sistema de Información Global Quantum	Quantum Global Information Systems
R4S Approach	Análisis de la Resiliencia de los Sistemas Sociales	Analysis of the Resilience for Social Systems
RA	Rainforest Alliance	Rainforest Alliance
RAOS	Cooperativa Regional de Agricultores Orgánicos de la Sierra	Regional Cooperative of Organic Producers of the Sierra
RAPIPO	Instituto Polivalente Rafael Pineda Ponce	Rafael Pineda Ponce Institute

RB	Reserva Biológica	Biological Reserve
RBG	Reserva Biológica Güisayote	Güisayote Biological Reserve
RBM	Reserva Biológica Montecillos	Montecillos Biological Reserve
RE	Energía Renovable	Renewable Energy
REHNAP	Red Nacional de Áreas Protegidas Privadas	National Private Protected Areas Network
RFA	Solicitud de Aplicación	Request for Application
RFP	Solicitud de Propuesta	Request for Proposal
RNHM	Red Nacional Hidrometeorológica	National Meteorological Network
RNP	Reservas Naturales Privadas	Private Natural Reserves
RRD	Reducción de Riesgos a Desastres	Disaster Risk Reduction
RVSMP	Refugio de Vida Silvestre Montaña de Puca	Wildlife Refuge Montaña de Puca
RZV	RZV Soluciones y Diseños	RZV Solutions and Designs
SAG	Secretaría de Agricultura y Ganadería	Secretary of Agriculture and Livestock
SAR	Servicio de Administración de Rentas	Tax Administration Office
SCCAL	Sistemas de Cocción Comerciales para Hornos Ahorradores de Leña	Commercial Firewood Saving Systems
SERNA	Secretaría de Recursos Naturales y Ambiente	Secretary of Environment and Natural Resources
SFV	Sistemas Fotovoltaicos	Photovoltaic Systems
SIGMOF	Sistema de Gestión y Monitoreo Forestal	ICF's Information System for Forest Management and Monitoring
SINIF	Sistema Nacional de Información Forestal	National Forest Information System
SOW	Alcance de Trabajo	Scope of Work
STTA	Asistencia Técnica de Corto Plazo	Short Term Technical Assistant
TAMIS	Sistema Interna de Manejo Administrativo y Técnico	Technical and Administrative Management Internal System
TDS	Sólidos Totales Disueltos	Total Dissolved Solids
TRC	Técnico en Regulación y Control	Regulation and Control Technician
UMA	Unidad Municipal Ambiental	Municipal Environmental Unit
UN	Naciones Unidas	United Nations
UNAH	Universidad Nacional Autónoma de Honduras	National Autonomous University of Honduras
UNAH VS	Universidad Nacional Autónoma de Honduras del Valle de Sula	Honduras National Autonomous University of the Sula Valley
UNDP	Programa de las Naciones Unidas para el Desarrollo	United Nations Development Programme
UNITEC	Universidad Tecnológica Centroamericana	Centroamerican Technological University
URSAC	Oficina de Organizaciones Civiles, Registro y Seguimiento del Ministerio de Derechos Humanos, Justicia, Gobernación y Descentralización	Honduran Ministry of Human Rights, Justice, Governance and Decentralization Office on Civil Organization Registration and Follow Up

USCL	Unidades de Supervisión y Control Local	Supervision and Control Local Units
USFS	Servicio Forestal de los Estados Unidos de Norteamérica	United States Forest Service
UTM	Unidad Técnica Municipal	Municipal Technical Unitcorrec
VC	Variabilidad Climática	Climate Variability
WMO	Organización Meteorológica Mundial	World Meteorological Organization

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I. EXECUTIVE SUMMARY

ABOUT THIS REPORT

Gobernanza en Ecosistemas, Medios de Vida y Agua (GEMA) collaborated with diverse actors, partners, and sectors to establish sustainable conservation and diversify economic growth in western Honduras. Coordination with actors in the region provides an opportunity to protect critical forested areas, water resources, and species, while strengthening goods, services, and livelihoods of vulnerable populations.

GEMA's integrated approach is based on five principles:

- Maximum impact by working in specific geographies considering multi-stakeholder participation;
- Integration and interconnection within GEMA's offices in the field to promote a sustainable long-term impact;
- Effectively coordinating with other USAID DO2 programs and international donors;
- Working to empower women, young people, and vulnerable groups to achieve local environmental governance;
- Implement interventions with a result focused approach;

Since GEMA seeks to "foster the resilience of subsistence livelihoods to reduce poverty in western Honduras," its efforts focus on:

- I. Reducing threats in areas of biological importance and critical ecosystems to preserve biodiversity and protect water supply;
- II. Increasing income-generating activities related to conservation; and
- III. Boosting the capacity of vulnerable populations to adapt to climate variability.

The Q11 report describes Activity interventions from January to March 2019, structured pursuant to Section F.5 (Quarterly performance and financial report) of task order No. AID-522-TO-16-00006. The report consists of seven main sections:

- I. Executive Summary;
- II. Activity Background and Implementation Strategy
- III. Progress Towards Indicators;
- IV. Technical Implementation;
- V. Activity Management;
- VI. Financial Report;
- VII. Annexes.

MAIN ACTIVITIES AND RESULTS

- The health of critical ecosystems has been evaluated using felines and their prey to determine biophysical conditions, through grant G-TEG-024, INCEBIO, "Community participatory monitoring of felines, their prey and ecosystem services of bats in areas of biological importance and micro watersheds of western Honduras". During the first recognition tour to the municipalities of La Esperanza, Gracias, Belén and La Iguala, agreements were reached for the identification of the possible key actors that will be part of the community monitoring program (environmental leaders). A small tour was carried out to identify potential sites for the installation of camera traps in the municipality of La Iguala, visiting some communities that are within the Opalaca Biological Reserve and Montaña Verde Wildlife Refuge, as well as some communities within the Río Plata micro watershed.
- The biophysical conditions were evaluated using biological indicators of habitat and water quality in priority micro watersheds of the Lago de Yojoa area of influence, through grant G-TEG-017, FUNDAUNAH, "Contributing to the reduction of threats to the water security of the Quebrada Balas and Rio Blanco micro watersheds and their surroundings through the use of biological indicators of habitat and water quality as tools in the Lago de Yojoa-Montaña de Santa Bárbara zone", as a result of the first recognition tour done by the multidisciplinary team of UNAH-Valle de Sula to: (i) BioParque Paradise Private Nature Reserve, (ii) Los

Naranjos Archaeological Park, and (iii) Quebrada Balas, Arca de Dios sector. Preliminary data on water quality and basic information on hydrology were taken at each site. Similarly, data were collected from the following taxonomic groups: (i) macroinvertebrates, (ii) fish, (iii) amphibians, (iv) plants, (v) reptiles and (vi) birds. The following table shows the preliminary results by site:

Table I. Preliminary results of biological indicators in prioritized micro watersheds

Taxonomic Group	RNP Bioparque Paradise	Los Naranjos Archaeological Park	Quebrada Balas (Arca de Dios sector)	Notes
Macro Invertebrates (insects)	12 families	8 families	9 families	The collection of data for these taxonomic groups corresponds to the methodology to determine the quality and production of water in micro watersheds, as well as water quality and hydrology data.
Fish	2 species	3 species	3 species	
Amphibians	5 species			
Plants	104 species		70 species	Preliminarily, 15 plant species of special concern were recorded.
Reptiles	2 species			
Birds	37 species	43 species	Arca de Dios sector: 42 species El Rincón sector: 44 species	

In addition, significant progress is reported in the coordination with local actors, to identify opportunities for cooperation through alliances, as well as to develop the necessary activities for training sessions and design and implementation of the environmental awareness and education plan, as established in the grant. Likewise, the work plan for the execution of grant G-TEG-031, given to the Honduran Ornithological Association (ASHO), has been approved to evaluate biological conditions using birds as indicator species of health or disturbance of the ecosystems.

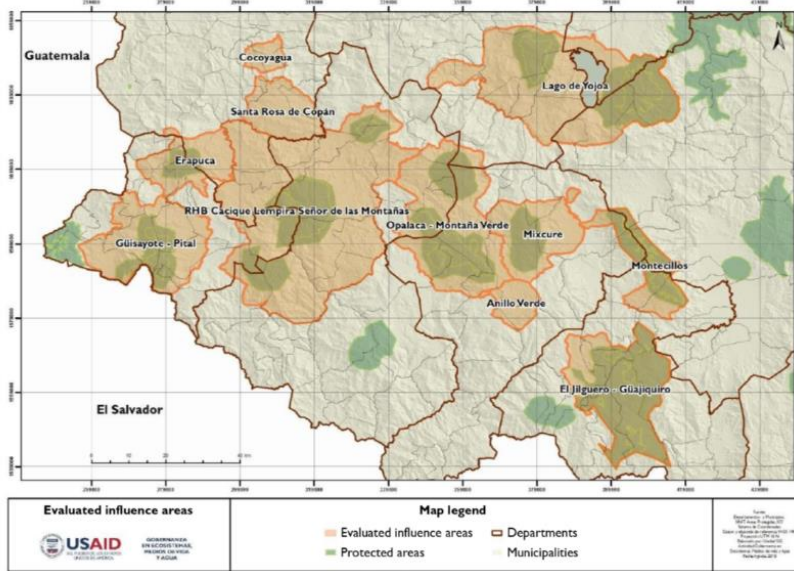
- Through the development of the consultancy "Evaluation of the state of conservation of conservation objects nested in the areas of influence of GEMA", and as a result of four (4) field trips, with technical assistance from the Zamorano Center for Biodiversity, the presence of amphibian, reptile and plant species identified in conservation plans as nested objects due to their ecological importance, has been documented. Here is a brief summary of the most important findings for each trip:
 - Tour to the dry forests of Valle de Jesús de Otoro, visiting the towns: San Vicente, Oreganal, La Angostura and Santo Domingo. Two species of endemic plants, characteristic of dry forests (*Eugenia lempana* and *Eugenia intibucana*) were reported. There was strong pressure for the expansion of rice crops and land plotting.
 - Tour to the Santa Bárbara Mountain National Park (PANAMOSAB), to the sectors of San Luis Planes and El Cedral, both located in the core zone of the protected area and with the presence of cloud forest and mixed forest ecosystems. The recorded species of amphibians and reptiles are: *Dendrotriton sanctibarbarus*, *Nototriton limnospectator*, *Norops rubribarbaris*, and *Norops laeiventris*, all previously identified as nested conservation objects.
 - Tour to the Güisayote Biological Reserve, to carry out a field survey of the prioritized areas for the search of species identified as nested conservation objects for this protected area. The context of the area was evaluated, as present threats, through interviews to technicians in the Güisayote Municipal Association.
 - Tour to the El Jilguero Water Production Zone, visiting the towns of El Cedro, Las Trancas, El Pacayal, upper zone of the Quebrada Honda micro watershed, and Laguna Encantada, with the presence of mixed forest and cloud forest. Durante esta gira, se lograron registrar dos especies de anfibios endémicas, y emblemáticas para la región: *Exerodonta catracha* and *Bolitoglossa celaque*.
- Seven (7) institutions (UNAH-VS, INCEBIO, ASHO, ASOMAINCUPACO, ADELSAR, Higuito Intermunicipal Council, Lenca Eramaní Municipal Association) have work plans and are improving their capacity to execute strategies to reduce threats in the grants they have been given. This has allowed key actors in the Lago de Yojoa, El Jilguero-Guajiquiro and Celaque Puca areas of influence to know the results of the PCA for their respective

zones. The PCA and IIE have been published in GEMA's social media, along with infographics and an executive summary of the main findings and conclusions of both processes.

Infographic 1 and 2. Results of the IIE

EAPC METHODOLOGY APPLICATION ON ELEVEN AREAS IN WESTERN HONDURAS

Threat reduction to ecosystems that have biological importance and water supply, is the main goal for USAID's Activity, **Gobernanza en Ecosistemas, Medios de Vida y Agua**.



The region has **11 influence areas**, that add 684,141.31 hectares and represent 31.15% of western Honduras.



Each area has **forests, microwatersheds, protected areas, private natural reserves, rivers and water bodies, communities and productive zones.**



In all of these areas, the **Open Standards for Conservation Practice (EAPC)** methodology was implemented, focused on adaptive planification, threats identification and the definition of strategies for the conservation and management of natural resources.



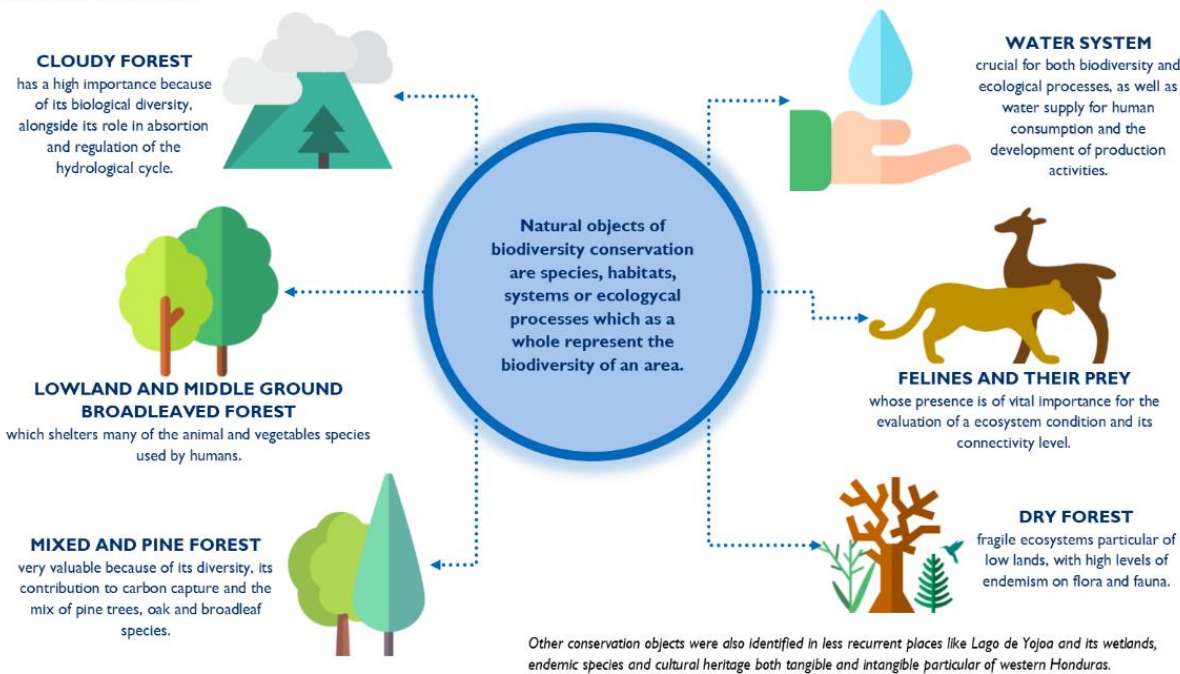
GOBERNANZA EN ECOSISTEMAS, MEDIOS DE VIDA Y AGUA



Sources: Open Standards for Conservation Practice 2.0, Synthesis and Analysis of Conservation Plans made for 11 Influence Areas in Western Honduras (2018 - 2028); Icons from www.flaticon.com

MAIN NATURAL CONSERVATION OBJECTS IN WESTERN HONDURAS

In all of the 11 influence areas in which GEMA made conservation plans, six natural objects of conservation stood out:



GOBERNANZA
EN ECOSISTEMAS,
MEDIOS DEVIDA
Y AGUA



Sources: Open Standards for Conservation Practice 2.0, Synthesis and Analysis of Conservation Plans made for 11 Influence Areas in Western Honduras (2018 - 2028); Icons from www.flaticon.com

- Awarded 14 grant agreements with focus on water governance in GEMA's areas of influence, within the framework of grant program RFA 007 and 008, to improve the sustainability of the management of natural resources through local institutions in western Honduras. The assigned investment amounts to L.16,027,952.99. (See details in the Technical Implementation section).
- The Terra-i Honduras platform was officially put into operation by ICF. CIAT will continue its relationship of collaboration and technical assistance with ICF through the Collaboration Agreement signed between the authorities of each institution. GEMA will continue with support to spread the use of the platform by local actors. In addition, a video that promotes and shows the use of the Terra-i Honduras platform has been prepared with CIAT's support.
- Prepared 3 reports of case studies on conflict resolution in protected areas: Puca Case Study Report (El Caral Micro Watershed); Celaque Case Study Report (Río Arcagual); and El Jilguero Case Study Report (El Manzanal - Barrio Agua Escondida).
- Submitted 4 new applications for the certification of RNPs to the ICF, for the following sites: ejidal site Planes del Matarral and Faldas del Chanchusquin with 188.40 ha.; ejidal site El Picacho with 39.54 ha.; ejidal site Güilisca with 105.62 ha.; and, ejidal site, El Astillero con 49.35 ha. The four sites are located in the municipality of La Iguala, Lempira.
- Completed the Water Governance Measurement Tool, which allows to establish a qualitative assessment of compliance with the 12 components and key criteria that comprise hydrological governance. This analysis is carried out for each of the priority actors in a given territory (at the micro watershed or municipal level).

- Developed 5 field samplings to identify basic water quality parameters in the Quebradas de Balas micro watershed (Las Vegas, Santa Barbara) and 13 samplings in the La Cepodora micro watershed (La Campa, Lempira). These are level I micro watersheds, prioritized for evaluation by GEMA.
- Developed 42 monitorings of water flow in drinking water systems and gorges in priority micro watersheds; 14 in the Guaralape and Chiflador micro watershed, 5 in the Urungo micro watershed, and 18 in the Rio Caraco and Santiago micro watershed. Also conducted the first measurement of flow rate of 5 gorges in Lago de Yojoa, in coordination with AMUPROLAGO (Yure, Varsovia, Quebrada de Balas, Rio Cianuro, and Río Helado), nitoring the data quality with the HOBO Pressure Sensors.
- Trained 1,198 people (699 men and 499 women) on topics related to sustainable management or natural resources and/or conservation of biodiversity, such as: legalization of water boards and irrigation groups; MCSE basic concepts; declaration of micro watersheds to protect water; monitoring water quality and quantity; Terra-I Honduras; intermediate QGIS.
- Submitted 9 new applications for micro watershed declarations to ICF (3 in Santa Rosa de Copán, 2 in La Esperanza, 4 in Santa Bárbara), which represent 639.24 ha protected for water production (33.50 ha in Santa Rosa de Copán; 502.32 ha in La Esperanza; and, 103.42 ha in Santa Bárbara).
- Completed 150 MCSE with all the requirements to be considered as operational. During Q11, 28 new JAAs were incorporated to the MCSE implementatino processes in GEMA's areas of influence. To date, there is a total of 426 organizations in different stages of the MCSE implementation process.
- The most significant advances in renewable energy during this period can me summarized as follows:
 - Reached cost-sharing agreements for 1,300 improved stoves (EM).
 - Nine (9) letters of committment signed with the same number of municipalities to install the agreed 1,300 EM.
 - One thousand nine hundred and fifty (1,950) renewable energy systems installed, 1,850 EM and 100 photovoltaic systems (SFV).
 - [REDACTED] paid to 9 micro businesswomen trained by GEMA and 1 micro businessmen trained by ProParque.
 - Twenty (20) new environmental plans completed.
 - Two (2) applications for solar dryers received, adjusted and approved to benefit 320 producers.
 - One (1) application received and adjusted for a SFV for the Artisanal Market pending the evaluation committee's approval to benefit 200 enterprises.
 - Three (3) program descriptions approved, one for a SFV for the Artisanal Market of La Esperanza, one for upgrading the water treatment plant in Lago de Yojoa, and one for a composting system to reduce synthetic fertilizers in vegetable plantations in the Tepezcuintle micro watershed, in the following communities: Plan del Rancho, El Chorro, El Ocotillo, Cueva Onda, Los Cedros, El Volcán, Valle María, Nueva Esperanza, San Francisco Sumpul, Nueva San Antonio and El Carrizal, in the municipalities of Sinuapa, La Labor and Ocotepeque; in Ocotepeque.
 - Efficiency and product quality tests were completed for 5 prototypes of the firewood saving commercial cooking systems, and eleven (11) pilot systems of the firewood saving commercial cooking systems (SCCAL) were installed.
 - Fifteen (15) Memorandums of Understanding (MOUs) were signed with enterprises where the pilots of the SCCAL are being installed.
 - Two (2) instruments developed for assessing the installed SCCAL one for the efficiency and one for acceptance.
 - The script for the video on renewable energies basic concepts was produced.
- Obtained USAID approval for the promotion and implementation of the grant "Conservation of biodiversity and improvement of water quality - coffee pulp and waste water" in several priority micro watersheds of the areas of influence. GEMA has progressed in (i) preparation of the ballot for data collection and creation of the baseline; (ii) preparation of updated programming for the implementation of the grant; (iii) selection and prioritization of three micro watersheds to start the grant (Quebrada de Balas in the Lago de Yojoa area, Río Ceporoque-Cepodora, and Aruco in the Celaque-Puca area), (iv) sampling of water quality at selected points within the priority micro watersheds; and, (v) pre-selection of farms where micro-centers for the production of organic fertilizers and associated centers will be installed (storage).

- Key actors have been duly informed and instructed in the improvement of Water Governance (GH) in the priority micro watersheds of the areas of influence. As a result, more than thirty (30) technicians and representatives of grassroots organizations (JAA, associations of irrigators, boards of trustees, CODELs), implementers of agroforestry grants (coffee, cocoa, livestock, sugarcane and avocado) in prioritized and pilot micro watersheds (Santa Bárbara, Lempira, La Paz, Comayagua), have been instructed about the method and application of the Water Governance Measurement Tool (IMGH).
- Follow up on integrated management for natural resource management through the implementation of good agricultural practices and coffee in priority micro watersheds has resulted in (i) 3,471 MSMEs participating in the execution of coffee, cocoa, livestock, sugar cane and avocado projects; (ii) nine (9) Private Public Partnerships (PPP) have been constituted for the execution of 14 agroforestry projects with the participation of development organizations, grassroots organizations and second level organizations (FUNDER, ASIDE, COMUCAP and CONCEPRADII); (iii) three (3) coffee exporters (CO.HONDUCAFE and HQC-Coffee Planet); as well as, (iv) two (2) municipal associations (MAPANCE and MAMCEPAZ) and one (1) international forest development and certification organization (Rainforest Alliance) participating in the process.
- In addition, the analysis of vulnerability of coffee farms to climate change and the development of vulnerability maps in the areas of influence of Rio Aruco, Higuito, Suptal and the RB Montaña de Puca (two vulnerability maps), as well as the construction and operation of 10 new ecological ovens and evaporators for the production of sugar cane loaves with the financing of AECID, COLOSUCA-MAPANCE.
- 15 micro entrepreneurs participated in the process of validation of 5 prototypes of firewood saving systems in the departments of Lempira, La Paz and Santa Bárbara. In general, the acceptance of this technology is very high. All cooking systems save approximately 70% of firewood, reduce cooking time, improve product quality and protect operators from heat.
- The Equipment and Technification Program was designed and granted to 3 implementers. Through the Program, 264 enterprises with cooking systems will benefit. Additionally, support is being sought with other organizations and municipalities to integrate a greater number of micro enterprises.
- The program to develop tourism products of nature and adventure is 90% complete. In this period, 52 young talents graduated, certified as guides in nature and adventure activities such as mountaineering, hiking, mountain biking, kayaking, river tubing, rappel, climbing and spelunking. The training's closing event was held from February 19 to 20 at Lago de Yojoa. On this same day, training was provided on legal and fiscal requirements for micro enterprises, as well as a business conference with tour operators.
- Organized new CODELs and CODEMs as the main foundation to initiate the strengthening of capacities for response and the development of actions and measures to conserve and protect their natural resources and livelihoods. Four (4) CODEMs were organized in the municipalities of San Vicente Centenario (Santa Bárbara), La Esperanza (Intibucá), Opatoro and La Paz (La Paz); and seven (7) CODELs were organized in communities of the municipalities of Opatoro (La Paz), Veracruz (Copán) and Arada (Santa Bárbara).
- Prepared new Plans for Adaptation to Climate Variability and Preparation for Response to Extreme Events (AVC and Response Plans). Elaborados nuevos planes para la adaptación a la variabilidad climática y preparación para la respuesta a eventos extremos. Six (6) CODELs in communities of the municipalities of San Manuel Colohete (Lempira), Arada (Santa Bárbara) and Taulabé (Comayagua), reported a progress of 35% in the development of their community plans; and six (6) CODELs in communities of the municipality of Santa María (La Paz), reached a 70% advance in the elaboration of their community plans. Finally, 2 CODEMs of the municipalities of Santa María (La Paz) and Intibucá (Intibucá), have a progress of 35% in the elaboration of their respective municipal plans.
- Seventeen (17) CODEL y JAA have been equipped in communities of the municipalities of San José, Santiago Puringla, Chinacla and Opatoro (La Paz), with basic tools (picks, shovels, wheelbarrows, backpack pumps, and others) to protect natural resources and respond to possible adverse extreme events.
- One hundred thirty-eight (138) people (53 women and 85 men), members of 3 CODEM in the municipalities of Intibucá (Intibucá), Chinacla and Santa María (La Paz), and members of 6 CODEL in the municipalities of San Manuel Colohete (Lempira), Arada (Santa Bárbara) and Taulabé (Comayagua), have been informed about the main threats and impacts on natural resources and livelihoods, as a contribution to a better management of natural resources and conservation of biodiversity.
- 156 people (73 women and 83 men), members of 9 CODEL in the municipalities of Talgua and San Sebastián (Lempira), were trained on roles and functions, using simulation exercises, with the purpose of greater empowerment for their performance in prevention and response to possible negative adverse impacts.

- Five hundred thirty-one (531) people (271 men and 260 women), in the municipalities of Santa María (La Paz), La Esperanza, San Isidro (Intibucá), La Campa and Las Flores (Lempira), members of CODEM, CODEL, JAA, associations of producers and other community-based organizations, have been trained on climate variability and vulnerability in Honduras.
- One thousand four hundred and forty (1,440) users (municipal technicians, co-managers, projects, community leaders, Technical Institutes in Agricultural Development and other local partners), have consulted and received information generated by the CICOH, to make decisions locally and strengthen professional capacities.
- Sixty-five (65) people (51 women and 14 men) participated in gender and risk management training directed to representatives of CODEMs and Women Networks of the municipalities of La Campa, Talgua, San Manuel de Colohete and Gracias, Lempira.

II. ACTIVITY BACKGROUND & IMPLEMENTATION STRATEGY

STEP ONE: STRATEGIC TARGETING – DEFINING WHERE TO WORK AND WITH WHOM

During this period, GEMA has continued documenting the impact of activities in the reduction of the main threats identified in PCAs, as well as their effect on conservation objects according to the technical requirements set in the PIRS for indicators 1.1 and 1.2. In addition, the work on strengthening capacities has continued with key actors, regarding better practices of natural resource management and improvement of management conditions of selected areas, through the establishment of strategic alliances, mobilization of local resources and inter-institutional coordination, to generate information on the state of the ecosystems, to favor the ecological integrity of felines and their prey, nested conservation objects, and biological health indicators of micro watersheds.

Based on the above, GEMA's actions during Q1 I are linked to 5 macro activities in the year 3 work plan: (i) promote the results of the Conservation Plans of the 11 areas of influence; (ii) biological monitoring of conservation objects to determine the impacts GEMA's actions; (iii) support the contracts department in the review, discussion and approval of proposals presented under RFA 008 and 009, and under the program description mechanism; (iv) strengthen local capacities to implement the actions foreseen in the approved action plans and grants; (v) integrate and coordinate actions with other USAID activities, and other international cooperation projects.

As to water governance, GEMA continued working to link JAAs and CODELs in the micro watersheds prioritized by GEMA so that both can complement field actions, especially to help communities reduce their vulnerability to the drought that affects their water sources. This seeks to link the protection of micro watersheds as a way to adapt to climate risks, and it is complemented with technical assistance offered to ICF to improve and simplify RNP certification processes and the declaration of micro watersheds in a way that encourages private owners and communities to apply to the ICF for these protection regimes. In addition, the processes of declaration and legalization of JAAs will be strengthened with training processes for community assemblies so that GEMA manages to reach a greater number of people trained in the related topics. Furthermore, one key strategy of IRI is to help enterprises implement best practices, including RE systems and technical assistance, and provide in-kind grants.

The agroforestry sector has prioritized the following lines of action: (i) training and technical assistance in harvesting, post-harvest management and processing of products such as coffee; (ii) training for different actors, especially technical experts on water governance grants, and guidance on the application of the water governance measurement instrument; (iii) generation of baselines and preparation of training and technical assistance plans (PCAT) in two new projects (executed by ASIDE and CONCEPRADII); (iv) georeferencing of coffee producer farms in the areas of influence of Santa Rosa de Copán, Güisayote, Celaque-Puca, Mixcure, El Jilguero and Montecillos; and, (v) application of the manual of vulnerability to climate change in coffee plantations and the creation of the vulnerability map in two ongoing grants, focused on the sustainable management of coffee farms in the Montaña de Puca Wildlife Refuge (RVSM) micro watersheds, and in the sub watersheds of Rio Aruco, Higuito and Suptal, both executed by Honduran Quality Coffee (HQC), in alliance with Coffee Planet.

The strategy for the implementation of Result 3 is based on the development and monitoring of activities to strengthen local capacities aimed at prevention and preparation for response to possible adverse extreme events, involving various actors (CODEL and CODEM), in close coordination and complementarity with JAA, municipal governments, co-managers and other local organizations interested in the protection and conservation of the micro watersheds prioritized by GEMA. In addition to direct technical assistance, the work of strengthening the CODELs through local granted partners (ASIDE, ASOMAINCUPACO, Lenca Eramani Municipal Association, HDH, CIH and others) was also incorporated to achieve the goals established in the work plan, and to facilitate the integration with Results 1 and 2 as to the micro watersheds being served.

STEP TWO: CONTINUED ASSESSMENT OF LOCAL CONTEXT AND ACTIVITY IMPLEMENTATION

Regarding households with improved access to renewable or clean energy, GEMA continues to work with municipalities to define beneficiaries in the areas that have been defined as menaces by other results of the Activity. Other than being in the area considered as a menace, beneficiaries must also comply with other requirements as not having an improved stove and willingness to provide their counterpart. The improved stoves are installed framed on cost-sharing agreements with the corresponding municipality. Once potential beneficiaries are selected, the micro businesswomen trained by the Activity and micro businessmen trained by other USAID activities are hired to verify if they comply, and eventually install the improved stoves.

With regard to conservation enterprises adopting clean/renewable energy technologies and/or best practices, enterprises willing to change their practices/technologies and provide their counterpart have already been identified. Once the companies have been defined, cooperation mechanisms are established with them, followed by an education campaign to promote renewable energy among new generations.

As to agroforestry livelihoods, 3,471 producers are participating in the 14 agroforestry projects in execution, of which 83% belong to the coffee value chain, 3.5% to the cocoa value chain, 4.5% to the livestock, 4.3% to that of sugarcane and 4.7% to avocado. (See Table 2)

Table 2. Agroforestry projects in execution

#	Geographical Area	Project	Number of MSME	PPP	Status	Start Period
1	Rio Gualcarque and Lago de Yojoa Sub watershed	Sustainable management of cocoa farms	120	FUNDER	In Execution	Q4
2		Sustainable management of coffee farms	400	CO.HONDUCAFE Foundation		Q4
3	Rio Mejocote Sub watershed	Sustainable management of coffee farms	300	CO.HONDUCAFE Foundation		Q4
4		Ecological production of sugar cane loaves	150	MAPANCE		Q5
5		Coffee production in RSVMP	350	HQC, along with Coffee Planet		Q7
6	Rio Higuito Sub watershed	Field schools on the production of milk and bovine meat	157	MAPANCE		Q5
7		Sustainable management of avocado farms	164	FUNDER		Q5
8	Rio Zazagua and Puringla sub watersheds	Sustainable management of coffee farms	330	MAMCEPAZ, along with CAFFEX		Q7
9	Rio Aruco, Higuito and El Suptal sub watersheds	Sustainable management of coffee farms	300	HQC, along with Coffee Planet		Q7
10	Rio Sazagua sub watershed	Sustainable management of coffee farms	250	COMUCAP, along with MdH		Q8
11	Montecillos sub watershed	Technical assistance to coffee producers in the Las Vueltas,	200	ASIDE		Q10

#	Geographical Area	Project	Number of MSME	PPP	Status	Start Period
		Urungo and Yaguis micro watersheds				
12	Güisayote sub watershed	Sustainable production of coffee in the RB El Güisayote micro watersheds	400	Rainforest Alliance, along with BECAMO		Q10
13	Western Project	Conservation of biodiversity and improvement of water quality-coffee pulp and waste water	150	COMUCAP		Q10
14	Rio Grande de Otoro sub watershed	Reduction of threats to biodiversity, forests and water in the prioritized micro watersheds in the Mixcure and Opalaca work areas.	200	CONCEPRADII		Q11
TOTAL			3,471			

The main objective of the implementation of good agricultural practices (BPA) and processing practices (BPM) is the stabilization of the production systems and the improvement of the biophysical conditions of the work areas of the families located in the priority micro watersheds. With this, the advance of the agricultural frontier will be reduced, as well as the change of land use in areas of biological importance. It is estimated that the biophysical conditions of at least 12,000 hectares are being improved.

R3 supports CODEL and CODEM through the development of actions aimed at reducing threats to livelihoods in communities and micro watersheds to contribute to better water governance. These actions consist in the organization of local structures (CODEL and CODEM); training their members on issues related to risk management, climate change, threats and their impact on natural resources and livelihoods in the community; basic equipment and preparation of plans related to the protection of micro watersheds and PCAs.

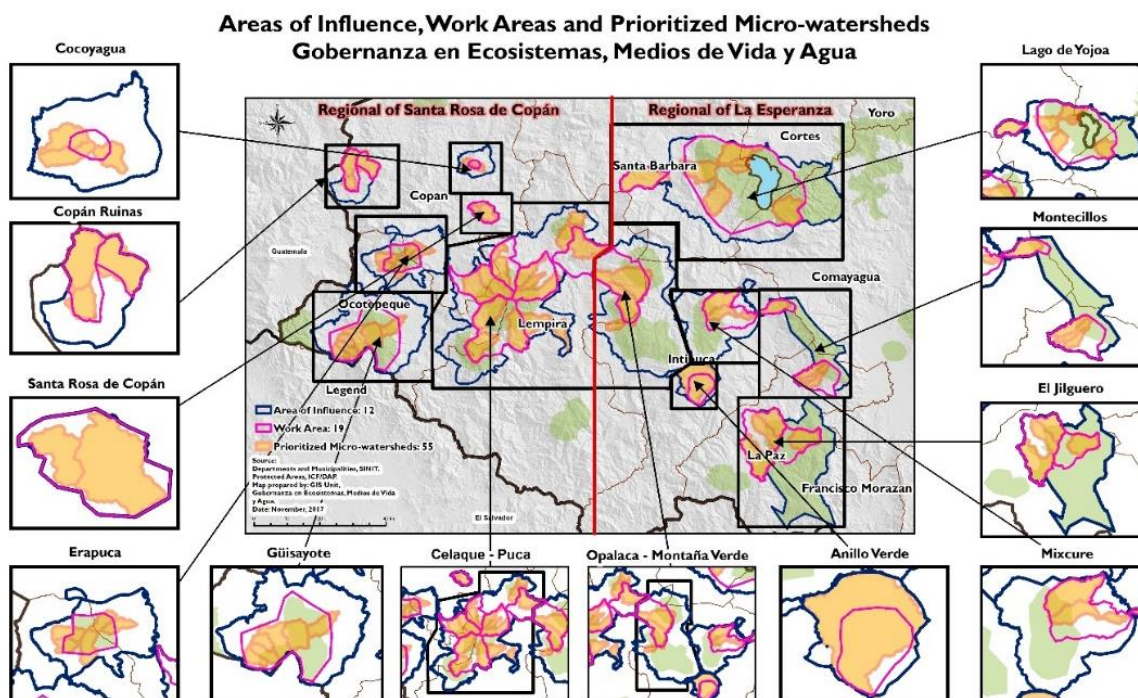
STEP THREE: IMPLEMENTATION AND INTEGRATION

GEMA maintains an integrated approach in the implementation of activities in all its Results, especially in actions that are related to the improvement of water governance in priority micro watersheds, natural resource management, reduction of vulnerability of livelihoods and people to climate change, and improvement of climate information through the CICOH. In addition, synergy with other USAID activities such as ACCESO, ACS and Coffee Alliance is promoted.

The establishment of CICOH is permanently promoted through strategic alliances to facilitate access and articulate sustainability among local users, supporting the generation of products and services for decision making, and for adaptation to climate variability and change. However, it must be pointed out that during Q11, the development of GEMA's operational activities has been interrupted by the involvement of the rural population in coffee activities, which demand local labor, hindering or postponing in many cases, the development of field operations.

According to the implementation strategy for year 3, the activities developed in the current quarter continue to emphasize massive training and education to reach more people in the communities through the elaboration of educational videos on masculinity issues and business leadership, with the active participation of men and women from the communities assisted by coffee grants, and by non-agricultural enterprises assisted by CDE MIPYME Lempa Region. In addition, the selection of topics and production of didactic material to implement the training process for trainers has already begun. The trainees will be summoned from municipal offices for women and municipal networks of women; they will be taught in environmental issues as part of axis 6 of the II Plan for Gender Equality in Honduras (II PIEGH 2010-2022).

Figure 1. Map of Graphic Distribution of Target Areas, Work Areas and Prioritized Watersheds



KEY ACTIVITIES FOR Q12

- **Grants:** Follow up on grants in execution, corresponding to all three results.
- **Biological Monitoring:** Follow up on grants and subcontracts [FUNDAUNAH (UNAH-VS), INCEBIO, ASHO, Malcolm Stufkens), to continue with the biological monitoring in GEMA's areas of influence, in order to document the biophysical conditions. Also, promote the PCA and the results and advances of the biological monitoring carried out in the areas of influence to strengthen the capacities of base organizations to mitigate threats to the ecosystems and conservation objects, contributing to create better management conditions.
- **Water governance:**
 - Continue the implementation of work plans of subcontracts (Purchase Orders) on reduction of threats to biodiversity and water, and the improvement of water governance with Puca Community Foundation, MAPANCE-PROCELAQUE and ASOMAINCUPACO.
 - Follow up on grants approved by GEMA in areas of influence.
 - Support to local actors in the application of the tools that GEMA has established to benefit co-managers or key actors.
 - Terra-i Honduras launch event with the Support of ICF and CIAT, during which a collaboration agreement will be signed by CIAT and ICF to continue working together to maintain the platform operational by ICF.
 - Advice to co-managers on how to use the platform and verify alerts in the field
 - Work closely with ICF (local and central offices) to collect the technical and legal documentation of sites that are being certified as RNPs, as well as those that are still being legally analyzed to enter the process.
 - Follow-up on the elaboration of management plans for RNP sites selected by GEMA and MOCAPH.
 - Complete the Simplified Regulations for the RNP Certification Process and submit them to ICF authorities (Minister, DAPVS and Legal).
 - Training of key actors in the La Esperanza region (El Jilguero and Montecillos) in water management and water quality to strengthen the network of local actors in terms of water governance.
 - Continue gauging and analysis of water quality in the water sources of Level I micro watersheds prioritized by GEMA for evaluation in the Santa Rosa de Copán, La Esperanza and Santa Bárbara regions.

- Fulfill gauging rounds monthly in order to download information from the HOBO Pressure Sensors and record the flows in water sources that discharge in Lago de Yojoa. This information strengthens GEMA's activities on the issue of water quantity for the work area of Lago de Yojoa.
- Strengthen the network of actors in El Jilguero, Güisayote, and Cocoyagua.
- Trainings for JAAs on water quality and gauging methods for tanks and intakes.
- Trainings for JAA Assemblies on micro watershed management, legal framework, micro watershed declaration process and water quality.
- Training on QGIS level 2 for local technicians.
- Collection of field information to elaborate technical reports (biophysical and socioeconomic) for communities and micro watersheds in micro watershed declaration processes.
- Submit 16 micro watershed declarations to ICF (4 from Santa Rosa de Copan, 6 from La Esperanza, and 6 from Santa Barbara).
- Support training and promotion efforts done by local actors to improve the management of micro watersheds.
- Follow-up on the internal review made by ICF on the proposal to simplify the micro watershed declaration process.
- Continue technical support in the strengthening and establishment of environmental funds (water funds, green funds) for second level MCSEs in GEMA's work areas.
- Continue coordination with other USAID activities.
- Finalize the accountability process of JAAs before ERSAP.
- Incorporate new JAAs and groups of irrigators to the MCSE implementation processes.
- Conduct Community assembly meetings for processes to strengthen the foundation of communities.
- Deliver legal personalities to JAAs.
- Support the application of the water governance measurement instrument in GEMA areas of influence.
- **RE systems:** Actions to start installation of the 1,300 RE systems (EM) of set 3 will continue. Main actions for Q12 are: reception of the kits for EM, establishment of potential beneficiaries, verifications of the beneficiaries, verification of counterpart readiness, and georeferencing of accepted beneficiaries.
- **Best practices:** Consultant Darnell Carranza will continue working with CDE Santa Bárbara to complete the environmental plans still pending. He will also follow-up on the signature of implementation agreements, and the verification of the implementation of CP measures.
- **Program descriptions / grants:** Assuming grants for COCAFELOL, PRR and Mancomunidad Lenca Eramaní are fully approved, purchases for the solar dryers and SFV will be carried-on. It is also expected that applications for the upgrade of the treatment plant at Lago de Yojoa and the composting system to reduce synthetic fertilizers in vegetable plantations in the Tepezcuintle micro watershed will be presented and approved in Q12.
- **Commercial cooking systems:** The 4 remaining pilots of the firewood saving cooking systems are to be installed. All tests on pilots are to be completed. The process for replication of the systems through grants with GEMA, PODER and AECID-COLOSUCA is to be started. The base line for the efficiency assessment is going to be performed on Q12 as well.
- **Education Campaign:** Revisions of the video on renewable energies basic concepts are expected to start, and the script for the video on Best Practices for RE Projects is to be completed.
- **Grant monitoring:** Information gathering and final evaluation of the following grants,
 - Sustainable management of cocoa farms in the Rio Gualcarque and Lago de Yojoa sub watershed
 - Sustainable management of coffee farms in the Rio Gualcarque and Lago de Yojoa sub watershed
 - Sustainable management of coffee farms in the Rio Mejocote sub watershed
 - Sustainable management of avocado farms in the Rio Higuito sub watershed
- **IMGH:** Apply the water governance measurement tool (IMGH) in the prioritized micro watersheds of grants in execution. Elaborate and implement the water governance action plan.
- **Organic Fertilizers:** Establish micro-centers and associated centers for the production of organic fertilizers through the use of coffee pulp and waste water.
- **Climatic Monitoring:** Establish two meteorological stations in the Río Mejocote sub watershed.
- **PCAT:** Implement Training and Technical Assistance Plans of 14 grants of agroforestry projects in execution.
- **Cooperation:** Manage 10 new evaporators and ecological ovens for the production of sugar cane loaves, through AECID and COLOSUCA - MAPANCE.
- **Vulnerability of farms:** Analyze the vulnerability of coffee farms to climate change and develop vulnerability maps in the areas of influence of Güisayote and Montecillos.

- **Training:** Continue training members of CODEMs and CODELs on (i) main threats and their impacts on natural resources and livelihoods, (ii) creation and organization, (iii) formulation of plans for adaptation to climate variability and response to extreme adverse events, (iv) rescue and first aid with emphasis on forest fires and landslides, and, (v) roles and functions for a better performance of their organizations in natural resource management and prevention of disasters.
- **CICOH:** Present the functionalities of CICOH and disseminate its climate products in educational centers (technical institutes and universities), CODEL, JAA, Producer Associations, and granted organizations in the regions of Santa Rosa de Copán, La Esperanza and Santa Bárbara.
- **Migration:** Participate in the fourth community practice to be carried out by USAID on migration in Honduras from an inclusive perspective and with a gender approach.

KEY GEMA ASSUMPTIONS

- The variability of average rainfall in the region affects soil conditions and the volumes of water in areas of water recharge.
- The increase of average temperatures affects the micro and macro climate conditions of livelihoods, biodiversity, ecosystems, and food production.
- The proliferation of pests and diseases that result from climate variability and global warming directly affects the health of export crops (coffee, potato, and cocoa) and the quantity of production volumes.
- Fluctuations in the international coffee market. Honduras sells a great deal of specialty coffee (coffee cultivated at 1,000 meters above sea level and more), which is significantly affected by market fluctuations; in addition, differentiated coffees (certified by quality seal) have grown in demand but not in production.
- Natural events that could occur due to climatic conditions of the region include prolonged droughts and intermittent, variable rains, floods, forests fires, pests, and diseases, among others.
- The national context is adverse regarding incentives, tax conditions and high raw material costs for agricultural and non-agricultural productive activities. This affects at least three of GEMA's indicators (2.1, 2.2 and 2.4).

III. PROGRESSTOWARDS INDICATOR TARGETS

During Q11, GEMA carried out the data quality assessment (DQA) of all the indicators for the life of the project, with the assistance of an external consultant. Following USAID's DQA methodology, the existing data, data collection tools, input, storage, aggregation and analysis processes were reviewed; a random verification of the supporting documentation for a subset of results was also made, as well as visits in the field. All these actions provided an analysis of whether the PTIT indicators meet the five key standards of data quality (validity, reliability, timeliness, accuracy and completeness). As a result, in this report GEMA includes all the specific recommendations for each indicator in the data management process. In this exercise, at the moment of verifying all data, some discrepancies that alter data in relation to other reported quarters are reflected. To achieve a better understanding, a dashboard has been created for each indicator, allowing easy visualization of the effective value achieved during each quarter. In this report, the table presents accrued results for Q10, the achievement reported for Q11, and the accrued up to the date this report is presented, with its corresponding comments section.

Table 3. Progress towards indicator targets

No.	Indicator	Accrued to Q10	Q11	Total Accrued	LOP	Units	Comments
Result 1 – Reduced Threats in Areas of Biological Significance and/or Natural Resources to Conserve Biodiversity and Protect Water Delivery							
I.1	Number of hectares of biological significance areas showing improved biophysical conditions as a result	53,263.77		53,263.77	150,000	Number of has	Frequency and timing of data acquisition is annually, at end of each FY.

	of USG assistance.						
1.2	Number of hectares of biologically significant areas under improved natural resource management as a result of USG assistance.	112,182.12		112,182.12	240,000	Number of has	Frequency and timing of data acquisition is annually, at end of each FY.
Sub Result 1.1 – Strengthened Local Institutions to Manage Natural Resources							
1.1.1	Number of people trained in sustainable natural resources management and/or biodiversity conservation as a result of USG assistance	3,938	10,143	14,081	8,000	Number of people	Q11 was a key period to implement trainings and technical assistance in GEMA's 41 grants.
1.1.2	Number of institutions with improved capacity to assess or address climate change risks supported by USG assistance	343	489	832	700	Number of institutions	Regarding reporting for this indicator, there are institutions that were counted in Y2 that are also counted in Y3 (Q11), because their organizational and administrative capacities continued to be strengthened (this count is permitted according to the PIRS of this indicator). As part of the verification and review process described above, the cumulative results reported through Q10 (343) has been updated in this report.
Sub Result 1.2 – Ecosystem Services Compensation Mechanism Implemented							
1.2.1	Number of micro-watersheds in process of declaration.	25	7	32	100	Number of Micro Watersheds	
1.2.2	Number of payments for ecosystem services compensation mechanisms operational as a result of USG assistance	102	148	250	450	Number of Agreements	
Sub Result 1.3 – Renewable and Clean Energy adopted							
1.3.1	Number of households with improved access to renewable or clean energy due to USG assistance	2,781	1,950	4,731	6,000	Number of Households	
1.3.2	Number of conservation enterprises (CE) adopting clean/renewable energy technologies and/or best practices	450	12	462	1,000	Number of CE	
Result 2 – Increased Conservation-Related Income-Generating Activities							
2.1	New net sales of participating conservation					\$MM	As part of the verification and review process described above, the cumulative results

	enterprises as a result of USG assistance.						for both indicators have been updated through Q10 () in this report.
2.2	New employment created in participating rural conservation enterprises (full time equivalents - FTEs) as a result of USG assistance.	1,352		1,352	3,000	FTEs	No information was reported in Q11 as the end line evaluation will be implemented next quarter.
2.3	Percentage of female participants in USG-assisted programs designed to increase access to productive economic resources (assets, credit, income or employment).	76	61	61	35	Percentage of Women	The percentage for Q11 represents the percentage of women participating in relation to the total number of participants in activities designed to increase access to productive economic resources.
2.4	Number of households with new income from non-traditional, non-agricultural or niche livelihoods.	935	1,077	2,012	3,850	Number Households	
2.5	Number of people with improved economic benefits derived from sustainable natural resource management and/or biodiversity conservation as a result of USG assistance.	82,274	23,106	105,380	120,000	Number of people	In previous quarters, GEMA multiplied the number of households reported by five to obtain the number of people. However, since GEMA has detailed data for each person with improved economic benefits, the team will no longer use this methodology. The cumulative results reported through Q10 (82,274) has been updated in this report.
Sub Result 2.1 - Business Alliances and Partnerships Created /PPPs							
2.1.1	Number of public-private partnerships formed as a result of USG assistance.	66	20	86	35	Number of PPPs	
2.1.2	Value private sector investment leveraged for conservation.					\$MM	As part of the verification and review process described above, the cumulative results reported through Q10 () for this indicator have been updated. The data reported includes private sector investments only.
Result 3 – Increased Vulnerable Population’s Capacity to Adapt to Climate Variability and Change							
3.1	Number of communities with adequate disaster capacity.	25		25	150	Number of Communities	
3.2	Number of people supported by the USG to adapt to the effects of climate change.	18,398	20,433	38,831	15,000	Number of Beneficiaries	
Sub Result 3.1- Climate Information System for Western Honduras Established							
3.1.1	Number of people using climate information or implementing risk-reducing actions to		2,675	2,675	25,000	Number of Beneficiaries	As part of the verification and review process described above, the cumulative results for this indicator (0) have been updated through Q10.

	improve resilience to climate change as supported by USG assistance.						
3.1.2	Number of people trained in climate change adaptation supported by USG assistance.	3,643	858	4,501	5,000	Number of people	
Cross-cutting Indicators							
CCI	Number of persons trained with USG assistance to advance outcomes consistent with gender equality or female empowerment through their roles in public or private sector institutions or organizations.	3,908	150	4,058	5,000	Number of persons	
CC2	Percentage of interventions implemented in coordination with other USAID-Honduras activities.					% Interventions	The PIRS of this indicator has been submitted to USAID for approval.

Click on the following link to see the Dashboard by indicators: <https://bit.ly/2DGvhmt>

IV. TECHNICAL IMPLEMENTATION

RESULT I: REDUCE THREATS IN AREAS OF BIOLOGICAL SIGNIFICANCE AND/OR NATURAL RESOURCES TO CONSERVE BIODIVERSITY AND PROTECT WATER QUALITY

The technical implementation of Result I includes, but is not limited to, interventions regarding the following sub-results: strengthened local institutions to manage natural resources; ecosystem services compensation mechanisms implemented; and, renewable and clean energy adopted. Due to the inter-reliance of activities between the indicators, their compliance with sub-results is sometimes analyzed in an integrated or holistic manner, while other times it is analyzed on an individual basis.

Main actions during Q11

Resilient Ecosystems

- Progress of grants: Monitored and evaluated the implementation of grants FUNDAUNAH and INCEBIO aprobadas en el marco de los RFA 008 y 009. approved within the framework of RFA 008 and 009. In addition, provided technical support to UNAH-VS, INCEBIO, ASHO, ASOMAINCUPACO, ADELSAR, Higuito Intermunicipal Council, and Lenca Eramaní Municipal Association, in the preparation and revision of the work plan to implement the grants that are assigned to them.
- Grants technical committee: Technically assisted the technical committee of grants in the discussion, review and evaluation of 8 proposals submitted under the program description mechanism and 19 proposals under RFA 008 and 009. (Annex IV)
- Biological Monitoring: Monitored and evaluated the GEMA-ICA-2018-037 contract, to perform biological monitoring of nested conservation objects.
- Induction to grantees: Offered induction to grantees to speed up the implementation of activities in the field. Technical aspects of the grants, monitoring and evaluation, administrative and communication requirements were addressed, with the participation of the following organizations:
 - Higuito Intermunicipal Council
 - Güisayote Municipal Association
 - Puca Foundation
 - Hermandad de Honduras
 - ASIDE
 - ASOMAINCUPACO
 - Lenca Eramaní Municipal Association
 - ASHO
- Reduction of threats: Followed up on the regulatory of the Aguas de Siguatepeque Environmental Fund, involving Aguas de Siguatepeque, ERSAP, ICF's local office and ASIDE, under the operating strategy of the grant in the Montecillos area of influence. In addition, the contribution of GEMA's main strategies to the reduction or mitigation of threats and their impact on the conservation targets identified in the areas of influence of the Activity has been reported. The analysis was made based on the threats related to unsustainable practices of coffee growing, livestock raising and extraction of forest products with special emphasis on the water system.
- Coordination for conservation: Established agendas shared internally and externally by GEMA for the monitoring of conservation processes in Montecillos (Aguas de Siguatepeque Environmental Fund); La Mirona-El Suptal (Green Fund); Gracias, Lempira (Green Fund); Santa Rosa de Copán (Management Plan La Honduras and Green Fund); and Cocoyagua (Cocoyagua Water Production Area Management Plan and Green Fund). Coordination

with GLH continues for the implementation of a conservation policy in the La Mirona-El Suptal water production area, and for the organization and development of the water forum in Gracias, Lempira.

People Trained

- **People Trained:** One hundred thirty-eight (138) people (85 men and 53 women), members of 3 CODEM and 6 CODEL, representatives of the grassroots community organizations of Intibucá (Intibucá), Chinacla and Santa María (La Paz), San Manuel Colohete (Lempira), Arada (Santa Bárbara) and Taulabé (Comayagua), respectively, have been trained in major threats and their impacts on the natural resources and livelihoods of the community. In these trainings, the participants identify, analyze and weigh the main threats that according to their perception affect the natural resources and the main livelihoods in the community.

Institutions with Improved Capacity

- **Institutions with Improved Capacity:** Eleven (11) community-based institutions (4 CODEM and 7 CODEL), from the municipalities of La Esperanza (Intibucá), Opatoro, La Paz (La Paz), Veracruz (Copán), San Vicente and Arada (Santa Bárbara); respectively, have improved their capacities through organization and training (analysis of threats and impacts on their livelihoods), as the main foundation to increase capacities and reduce risks in the face of extreme climatic events.

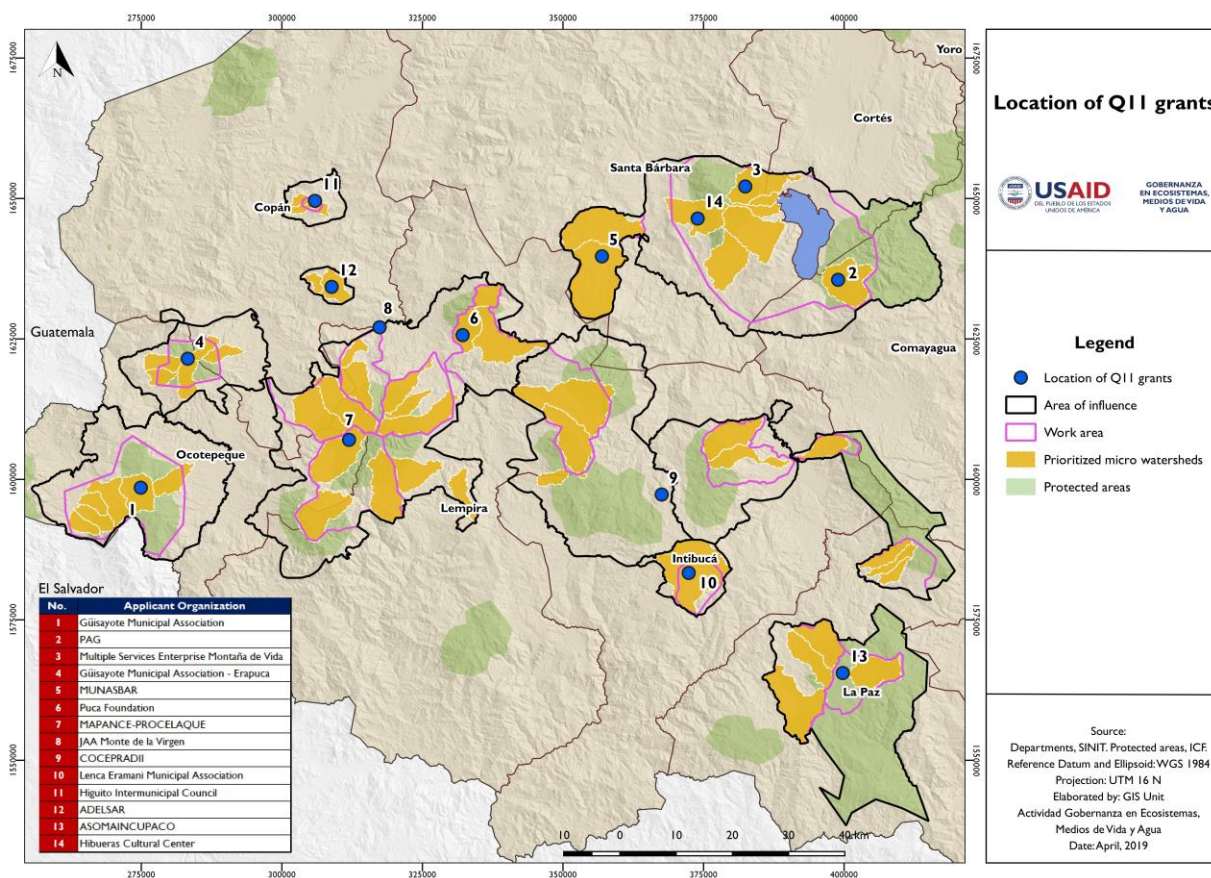
Water Governance

- **Grant agreements on water governance:** Signed 14 grants with a focus on water governance in GEMA's areas of influence, within the framework of the grant program meant to improve the management of natural resources with the following institutions:

Table 4. Grants with a focus on water governance signed in Q11

#	Grantee	Area	Investment
1	ASOMAINCUPACO	El Jilguero	
2	Lenca Eramani Municipal Association	Anillo Verde	
3	PAG	Varsovia Micro Watershed	
4	Montaña de Vida	Rio Blanco and area of influence	
5	Centro Cultural Hibueras	Cerro Guatemalilla	
6	Municipal Association of Southern Municipalities of Santa Barbara	Aguagua Micro Watershed	
7	COCEPRADII	Opalaca-Mixcure	
8	Güisayote Municipal Association	Güisayote	
9	Güisayote Municipal Association	Erapuca	
10	Higuito Intermunicipal Council	Cerro Cocoyagua	
11	ADELSAR	La Hondura Micro Watershed, Santa Rosa de Copan	
12	MAPANCE	Celaque	
13	Puca Foundation	Montaña de Puca	
14	Montaña la Virgen JAA	Celaque	

Figure 2. Location of Q I I grants in GEMA's areas of influence.



- **Planning of conservation activities:** Supported the planning process developed by MAPANCE and JAAs from Gracias and Corquín, to share successful experiences between Community organizations, and elaborate a program for the construction and maintenance of firebreaks in water producing micro watersheds in Celaque National Park, as a form of compensation for water ecosystem services. The JAAs stated that they are venturing into practices such as: purchase of land for the conservation of ecosystems, declaratory processes of micro watersheds, planning of integral education programs related to water and sanitation, and training for students and other community sectors.
- **Protection of micro watersheds:** Provided technical support to Centro Cultural Hibueras (CCH), by developing a workshop to promote strategies to protect micro watersheds within the framework of the CCH-GEMA grant, named “Articulation of Local and Institutional Actors for the Governance of Ecosystems”. Representatives of ICF (local Santa Barbara office) and of benefitted JAAs participated in the event.
- **Environmental education:** Developed the following events with local participation, discussion and massive communication on topics related to conservation and water governance:
 - **Environmental Fair in Chinacla, La Paz,** with the participation of local NGOs, World Vision, municipal corporation, watershed councils, birdwatching clubs, local micro entrepreneurs, indigenos councils, ICF and IHCAFE. Presentations were developed on zoning of the El Jilguero protected area, demarcation of the protected area with the Green Fund of the municipality, soil management for water infiltration, coffee tasting fair with the aim of boosting productivity and product quality.
 - **Environmental Fair in Santa Maria, La Paz,** with the Support of local organizations and projects. Presentations were given and a discussion was held on the conservation plan, regulations of the protected area and soil management.

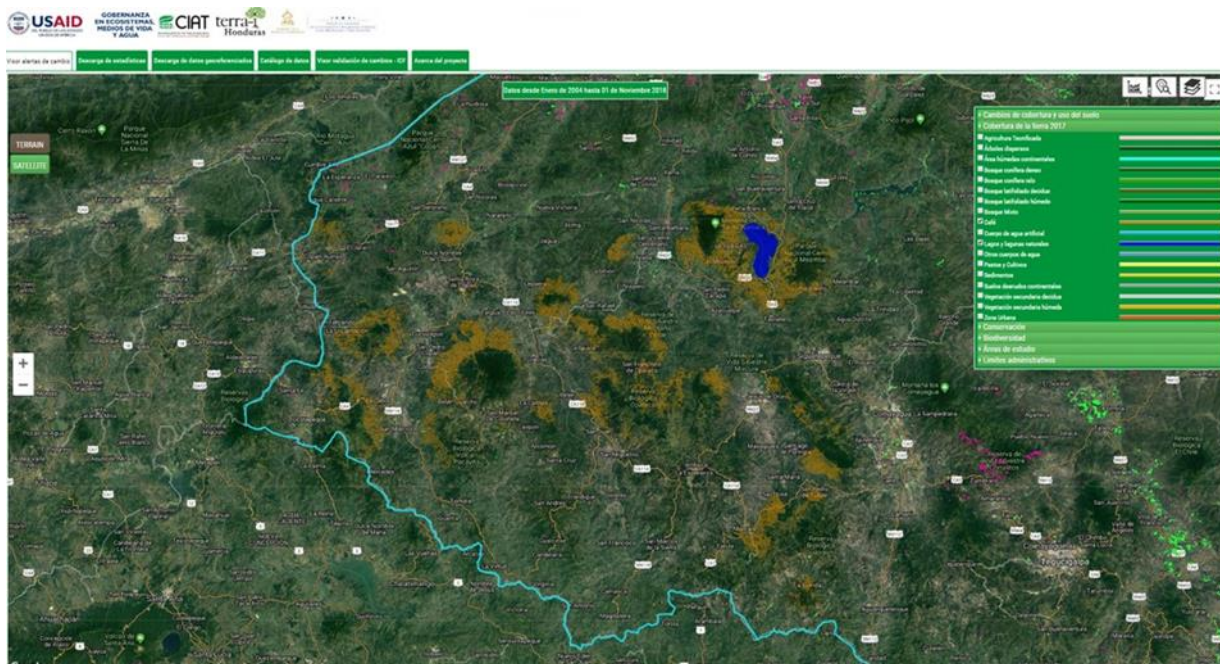
- **Forum “Working for Water Governance”** coordinated by MAPANCE and the Municipality of Gracias. The objective of the forum was to put in perspective the situation of the Rio Arcagual micro watershed, to promote the correct water governance of the area and to reach agreements for the correct management of water. JAAs throughout the municipality of Gracias participated in the forum, and a meeting of the Municipal Corporation of Gracias was also held, achieving the approval of a Compensation Mechanism and a Municipal Budget for the Green Fund for management activities in the Arcagual micro watershed.
- **3 TV interviews in Canal 10 from Marcala, La Paz**, to communicate GEMA’s actions in El Jilguero zone. The topics developed were: area conservation plans, MCSEs and JAA accountability.
- Development of guidelines and methodological instruments on water governance: With the support of MOCAPH, co-managers, GOAL and Zamorano, advances were made in the development of methodologies to strengthen processes linked to water governance at the local level. Advances have been made in the preparation of the following methodological instruments:
 - **Guide for the implementation of MCSE under conservation principles in protected areas of Honduras**. Focused on the revision of primary and secondary information from different sources in western Honduras. The purpose of this instrument is to have a practical and simple guide based on the learning of organizations that work in protected areas applying MCSE models that promote the management of natural resources and water governance. Document at the draft level.
 - **3 Case Studies on Conflict Resolution in Protected Areas / Proposal for the Management and Solution of Conflicts in Protected Areas**. The studies are being developed in collaboration by MOCAPH, ASOMAINCUPACO, and MAPANCE, with GEMA’s financial support. The studies are being held in the Caral (Montaña de Puca) micro watershed; Río Arcagual (Montaña de Celaque) micro watershed; and El Manzanal (El Jilguero) micro watershed. Document at draft level.
 - **Guide for the creation of RNP management plans**. Document based on experience that guides the creation of the 10 RNP management plans done in the field by MOCAPH for GEMA. Document at draft level.
 - **Guide for JAA awards**. At draft level. This guide is meant to be used to award JAAs that are carrying out conservation and threat reduction activities effectively in their water recharge micro watersheds in the El Jilguero area. This document is being created with the collaboration of the Co-managers Committee, CRS, and ASOMAINCUPACO.
 - **Water Governance Measurement Tool**. Finished the Excel version to be applied in field by institutions that have been awarded grants by GEMA. GEMA, GOAL and technicians of grantees have started applying the tool to collect information to measure water governance in the Montaña de Celaque, Montaña de Puca, La Mirona El Suptal, El Jilguero and Lago de Yojoa micro watersheds. Additionally, a Methodological Guide for the Application of the Water Governance Measurement Tool is being prepared as a friendly guide for interested actors on how to use the Tool.
- Fire control equipment: ASOMAINCUPACO organized, trained and equipped 6 crews for fire control in Chinacla and 6 in Santiago de Puringla, supporting the JAAs and CODELs in their protection efforts. The crews were equipped with the following tools: rakes, hoes, fire extinguishers, protection helmets and machetes.

Terra-i Honduras

- Coordination between ICF, CIAT and GEMA: Completed the preparations for the launching event for Terra-i Honduras. 120 representatives of different institutions of the environmental sector are expected to attend the event, which will consist of (i) the presentation of the virtual platform and its usefulness, (ii) signature of the collaboration agreement between CIAT and ICF for the maintenance of the platform, (iii) discussion forum on the importance of Terra-i Honduras for the protection of forests, and, (iv) tour around stands with presentations of local managers about their experiences using the information provided by the platform.

- Video about the use of Terra-i Honduras: With CIAT's support, GEMA produced a video about the functions of the platform to encourage its use at a local level, especially to verify alerts of changes in cover in áreas protected by co-managers, and in recharge micro watersheds by JAAs. Terra-i Honduras in its final versión contains the following attributes:
 - Alerts of loss or gain in cover.
 - Interactive map of land cover 2017 in areas of influence of protected areas in Western Honduras.
 - Module for downloading reports, data, periodic statistics and tutorials.
 - Module for viewing verified alerts.

Figure 3. Terra-i Honduras showing 2018 alerts for loss in cover (red), gain in cover (green) and an interactive map of cover– coffee zones activated (beige) according to 2017 map.



Certification of Private Natural Reserves

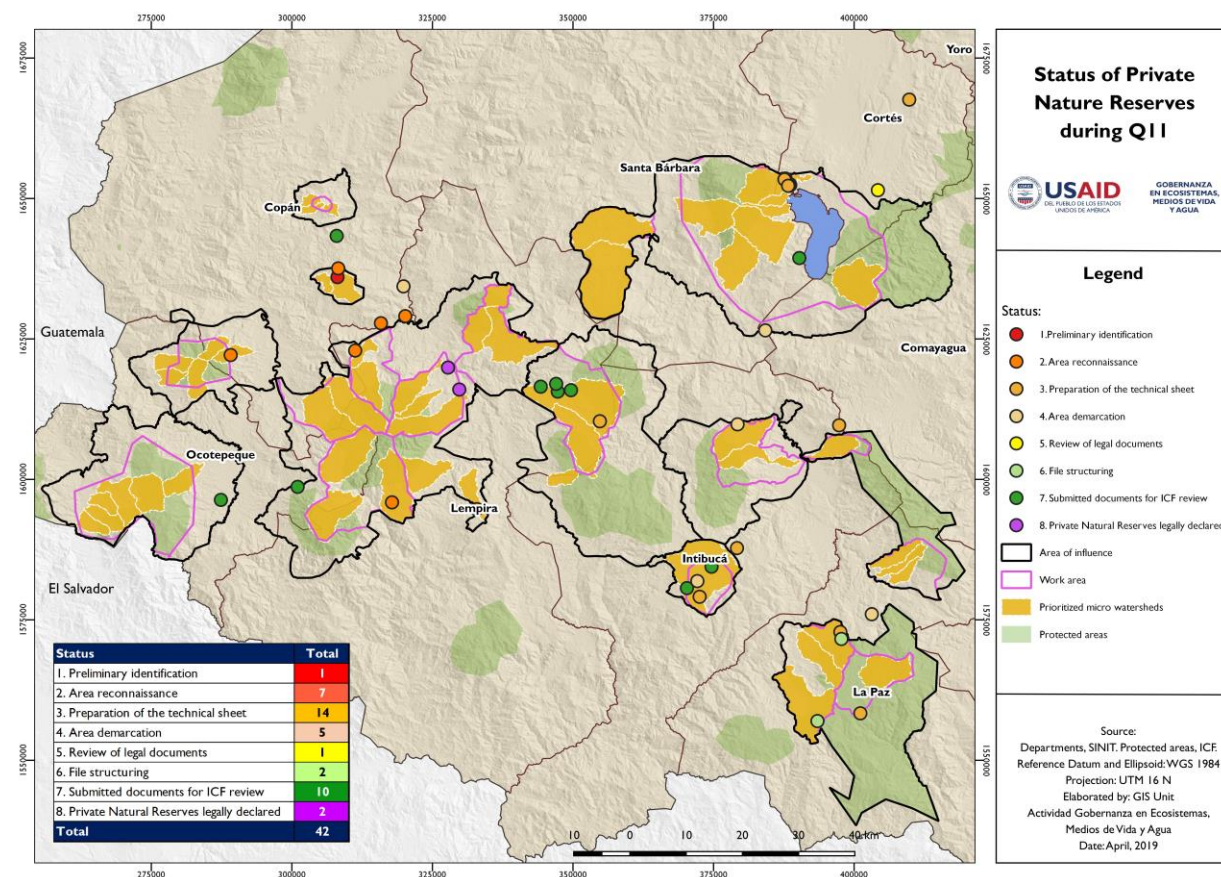
- Simplification of the RNP certification process: Provided technical and logistical support to the Department of Protected Areas and Wildlife (DAPVS) of the ICF, for the discussion and improvement of the proposal for simplification of the certification process and registration of RNPs, prepared by a consultant hired by the ICF. For this purpose, 2 discussion workshops were facilitated and financed by GEMA. Technicians from the DAPVS, Legal, Forest Patrimony, regional offices of the ICF, REHNAP, MOCAPH and GEMA participated in both workshops. The ICF already has the final version of the technical proposal of the simplification. Based on this proposal, GEMA continues providing technical support to the DAPVS to elaborate the Simplified Regulations for Registration and Certification of RNPs.
- Technical and legal monitoring of RNP certification processes in ICF: Technical, administrative and legal Support given to 17 RNP certification request processes (9 in La Esperanza and 8 in Santa Rosa de Copán) (i) according to the files submitted to ICF, (ii) in the process of documentation in the field, and (iii) in the stage of preparation of management plans. Figure 4 and table 5 show the spatial location and progress status of all 42 requests of RNPs identified by GEMA up to date.

Table 5. Progress in RNP Certification Processes

#	Work Area	Properties identified for RNP Certification	Municipality	Certification Process Status
La Esperanza Region:				
1	Anillo Verde	Marco del Cid (San Fernando). With an area of 21.3 ha.	Intibucá, Intibucá	Waiting for resolution from ICF.
2		Julio Cesar Bú. (RNP El Consejero) With an area of 49.34 ha.	Yamaranguila, Intibucá	Emitted resolution.
3	Lago de Yojoa	Luis Vaquero (RNP Rancho Vaquero). With an area of 390.02 ha.	San Pedro Zacapa, Santa Bárbara	Waiting for resolution from ICF.
4		Ejidal-Private Natural Reserve: Thermal water reserve zone Rio Jaitique, San José de Comayagua with an area of 9.94 ha.	San José de Comayagua	File preparation for submission to ICF.
5	El Jilguero	Iván Ernesto Vásquez (Catadores) With an area of 15 ha.	San Miguelito	File preparation for submission to ICF.
6		Roberto Gonzáles (Liquidambal). With an area of 14 ha.	San José, La Paz	File preparation for submission to ICF.
7		Wilson Peñalva (El Tejar). With an area of 94.34 ha.	Opatoro	Data sheet being developed.
8	Mixcure	José Salvador Guzmán (Refugio Casa del Águila) with an area of 4.3 ha.	San Isidro	En proceso de elaboración de ficha técnica.
9	Anillo Verde	Inés Portillo (10 Chorritos) with an area of 5.60 ha.	La Esperanza	Legal documentation review.
Santa Rosa de Copan Region:				
10	Celaque-Puca	El Jícara, with an area of 92.04 ha.	Gracias, Lempira	Certified with the RNP Management Plan being prepared.
11	Celaque-Puca (en Volcán acayitas)	Fernando Espinoza and Luis Espinoza (“Finca 9 Pozas and Finca Santa Martha”), with an area of 63.27 ha.	San Marcos de Ocotepeque, Ocotepeque	ICF requirement about RNP area being corrected.
12	Guisayote-Pital	Ejidal site Cueva del Coyote with an area of 134 ha.	San Francisco del Valle	Waiting for resolution from ICF.
13	Santa Rosa de Copan	Héctor Emilio Medina (Hacienda Monte Cristo) with an approximate area of 740 has.	San José de Copan	Waiting for resolution from ICF.
14	Opalaca	Ejidal site “Planes del Matarral y Faldas del Chanchusquin” assigned to Potrerillos community where its water recharge area is located, with an area of 188.40 ha.	La Iguala, Lempira	Submitted to ICF Santa Rosa Regional Office
15	Opalaca	Ejidal site “El Picacho” assigned to Crucitas community where its hydric reloading area is located, with an area of 188.40 ha.	La Iguala, Lempira	Submitted to ICF Santa Rosa Regional Office
16	Opalaca	Ejidal site “Güilisca” assigned to Potrerillos community where its irrigation micro watershed is located supported by ACS. With an area of 105.62 ha.	La Iguala, Lempira	Submitted to ICF Santa Rosa Regional Office
17	Opalaca	Ejidal site “El Astillero” assigned to Potrerillos community, area dedicated for firewood and timber production with an area of 49.35 ha.	La Iguala, Lempira	Submitted to ICF Santa Rosa Regional Office

- **RNP Management Plans:** MOCAPH carried out field visits to collect biological and productive information in 5 RNPs (San Fernando in Anillo Verde; Catadores in El Jilguero, Liquidambar in El Jilguero; Hacienda Montecristo and Finca 9pozas in Santa Rosa de Copán), for the creation of management plans. The RNPs were selected according to their progress in the certification process with ICF.

Figure 4. Location of the 42 RNPs identified by GEMA



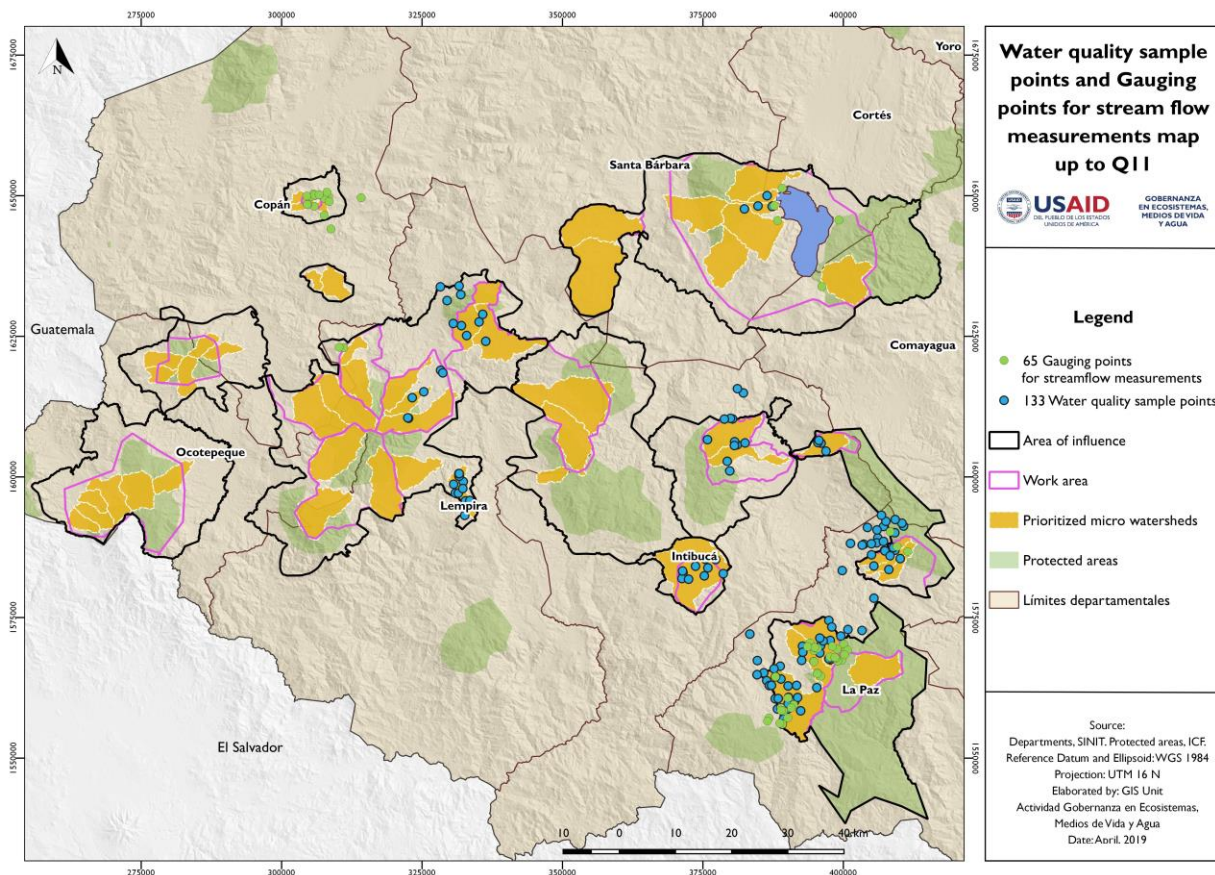
Quality and Quantity of Water

- **Strengthening of the network of local stakeholders in quality and quantity of water:** Developed coordination meetings, spaces for exchange of information, and advice on water monitoring and analysis methods, to connect and strengthen relations between the key stakeholders for decision making regarding water governance:
 - **Coordination with Regulation and Control Technician (TRC) from the Municipality of Intibucá and ICF Representatives.** Gauged 16 water system in Anillo Verde, Intibucá, so they would learn the procedure and continue monitoring water quality and quantity in coordination with key community stakeholders.
 - **Meetings with UMA technicians and technician from Güisayote Municipal Association.** Coordinated efforts to work with communities that receive water from micro watersheds in the area, to know their current conditions and start working on water quality. Tours were made in the rio Hondo, el Chorro and las Golondrinas micro watersheds.
 - **Technical Work Group in San Marcos, Ocotepeque.** Integrated by World Vision, GLH, the Municipality and Municipal Association. Agreed that GEMA would support with trainings, gauges and monitoring of water quality, especially in rio Hondo and in las Golondrinas micro watershed. GEMA will moderate the discussion on water quality in the work group, using the information collected in the field, so related institutions will make decisions to protect water recharge zones.
 - **Meeting with Regional Health Office.** Agreed that the Regional Health Office would manage the collection of water quality data in the area. This information will be used to analyze water

issues along with communities and other local stakeholders, to execute actions oriented to discussing, planning and coordinating activities to conserve water recharge zones.

- Analysis of water in areas with coffee farms: Developed activities in coordination with CO.HONDUCAFE in Quebrada de Balas micro watershed, in the Lago de Yojoa area, and also in the Cepodora micro watershed, to validate field information that will be used to establish micro centers to improve coffee processing and incorporate water quality standards to the process.
- Inventory of water demand in priority micro watersheds: Gauged different water sources prioritized by GEMA to develop the inventory of supply and demand of water in the selected micro watersheds:
 - **Coordination with ASOMAINCUPACO.** Information was collected through 46 gaugings in communities that obtain water from the following micro watersheds: Guaralape, Marcala (14); Ocotillo, Quebrada El Zapote y Urungo, Santiago de Puringla (14); and Cerro El Pacayal, Chinacla and Opatoro (18). Gauging is part of the inventory of water demand points in the aforementioned micro watersheds. They are linked to the two level I micro watersheds (priority for the evaluation of GEMA's impact), in the El Jilguero and Montecillos areas of influence.
 - **Technical and logistical support given to AMUPROLAGO.** Agreed to collect Flow measurements of water sources that supply Lago de Yojoa. Colorado State University, Escuela Agrícola Panamericana and GEMA support this action that allows the production of data to follow up on monitoring and investigation. The first day of flow measurement took place in five gorges in Lago de Yojoa: Yure, Varsovia, Quebrada de Balas, Río Cianuro, and Río Helado. GEMA will support the collection of data from these sources once a month.
 - **Gauging.** Carried out 15 gaugings in water intakes and tanks in communities that obtain water from Cerro Cocoyagua (level I micro watershed), in coordination with Higuito Intermunicipal Council. JAAs were trained on how to gauge, so they can do this periodically.

Figura 5. Water quality sample points up to Q11



People trained in sustainable natural resources management and/or biodiversity conservation

- **Training on conservation and declaration of micro watersheds:** Developed 18 community training workshops on MCSE, legalization of JAAs, micro watershed declaration and organization. Technicians and representatives of municipalities, JAAs and educational institutions attended the trainings, adding up a total of 1,021 people (566 men, 455 women). These workshops were organized with ICF, MANVASEN, Güisayote Municipal Association, UMAs and CIH.

Table 6. People trained on MCSE, JAA legalization, micro watershed declaration and organization

#	Community	Municipality	Department	Participants			Area de Trabajo
				M	F	Total	
1	San Juan Planes	Trinidad	Copán	31	21	52	Cocoyagua
2	Mercedes	Mercedes	Ocotepeque	32	10	42	Güisayote-El Pital
3	El Chorro	Sinuapa	Ocotepeque	14	4	18	Celaque-Puca
4	Nueva Esperanza	Sinuapa	Ocotepeque	19	5	24	Güisayote-El Pital
5	Valle de Maria	Sinuapa	Ocotepeque	16	2	18	Güisayote-El Pital
6	Plan del Rancho	Sinuapa	Ocotepeque	34	17	51	Güisayote-El Pital
7	San Marcos	San Marcos	Ocotepeque	15	2	17	Güisayote-El Pital
8	El Azufrado	La Labor	Ocotepeque	3	18	21	Güisayote-El Pital
9	La Granadilla	La Labor	Ocotepeque	3	11	14	Güisayote-El Pital
10	La Iguala	La Iguala	Lempira	50	23	73	Montaña Verde
11	San Francisco	San Francisco del Valle	Ocotepeque	22	10	32	Güisayote-El Pital
12	Río Chiquito	La Labor	Ocotepeque	12	23	35	Güisayote-El Pital
13	El Porvenir	Trinidad	Copán	54	56	110	Cocoyagua
14	San Francisco	San Francisco del Valle	Ocotepeque	131	97	228	Güisayote-El Pital
15	Santa Rosa	Santa Rosa	Copán	8	5	13	Santa Rosa
16	Santa Teresa	San Francisco del Valle	Ocotepeque	7	7	14	Güisayote-El Pital
17	Quebraditas	Trinidad	Copán	29	39	68	Cocoyagua
18	Sinuapa	Sinuapa	Ocotepeque	69	94	163	Güisayote-El Pital
19	Pueblo Viejo and El Barrial	San Isidro	Intibucá	17	11	28	Mixcure
TOTAL				566	455	1,021	

- **Measurement of Water Governance:** Developed 3 training workshops on the application of the measurement tool and the elaboration of an action plan, in collaboration with GOAL. The main objectives were (i) teach the participants how to apply the water governance measurement tools, focusing on relevant stakeholders in the micro watershed they identified for their area, and (ii) carry out activities that will aid the creation of an action plan to improve water governance. The workshops took place in Santa Bárbara, Gracias and Marcala, with a total of 64 participants (45 men and 19 women), which included representatives of grantees and other key local stakeholders.
- **Terra-i Honduras:** Trained 51 key actors (35 men and 16 women) on “Monitoring early alerts of change in coverage generated by the Terra-i Honduras platform”, in Siguatepeque (Comayagua), San Marcos (Ocotepeque) and Gracias (Lempira). Amongst them were co-managers, UMAs, UNACIFOR, JAAs, ICF, international cooperation projects and municipal associations.
- **Conflict Resolution:** With MOCAPH’s support, developed 2 workshops on “Conflict management and resolution” to Support the 62 participants (53 men and 9 women) that came from protected areas in western Honduras to conceptualize the topic and focus in exercises to solve

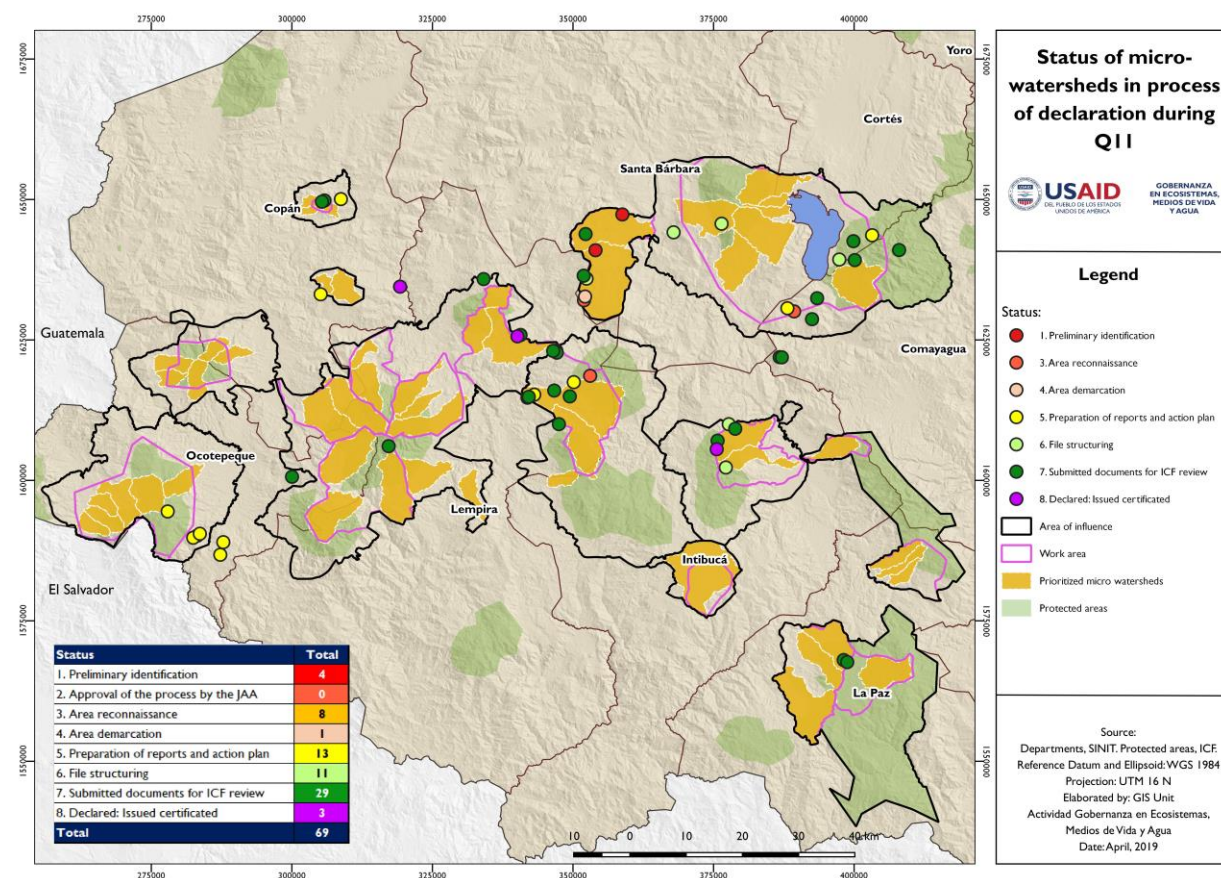


conflicts in their intervention area. These exercises will be documented through study cases and will Support the creation of the “Conflict Management Protocol” in protected areas. The workshops took place in La Esperanza, Gracias and Marcala, considering the El Caral (Montaña de Puca) micro watershed, Río Arcagual (Montaña de Celaque) micro watershed, and El Manzanal (El Jilguero) micro watershed as study areas.

Micro Watershed Declarations

- Simplified regulations for the declaration of micro watersheds: Drafted and sent to ICF (digital and print) the “Technical proposal and regulations for the declaration of micro watersheds”, which presents the optimization of the process, with the expectation that ICF will approve and implement it officially.
 - Coordinations in field: Coordinated actions with local institutions to prompt micro watershed declaration processes in GEMA work areas.
 - Coordination with ICF Santa Bárbara and Siguatepeque, ENEE, local governments and key stakeholders, to define work plans for the documentation of micro watershed declaration request files in the corresponding areas of influence (Arada, El Nispero, San Vicente Centenario, Las Vegas, San Pedro de Zacapa, Concepción del Sur, and San José de Comayagua), in the Lago de Yojoa work zone.
 - Community visits to review progress in the execution of work plans in 5 micro watershed declarations in the Lago de Yojoa area of influence, submitted by GEMA to ICF during the previous quarter. The communities have made important progress.
 - Collected information in the field with the municipality of Las Vegas to work with 5 communities that are interested in declaring their micro watershed. Processes of legalization, accountability and risk management will be developed with them.
 - Identified 6 new micro watersheds in the La Esperanza region. Discussions have been initiated with the communities to schedule in field activities and approval of processes by community assemblies.
 - Interinstitutional coordination between grantees (Puca Foundation, MAPANCE, Güisayote Municipal Association and CIH) to support community processes in their areas of intervention. In La Iguala, Lempira, the micro watershed declaration processes are being coordinated with the food security and nutrition program EUROSAN.
- Follow up on the declaration of micro watersheds: During QII, GEMA followed up on 27 micro watershed declaration processes (8 in La Esperanza, 8 in Santa Bárbara, and 11 in Santa Rosa de Copán), which are currently in different stages. 9 of them have complete files and declaration requests submitted to ICF. They are enlisted below:
 - 2 in La Esperanza: Cerro Colorado in San Isidro, San Isidro (casco urbano) in San Isidro, Intibucá.
 - 3 in Santa Bárbara: Nueva York and Nueva York abajo in El Nispero, and La Pimienta in Taulabé, Comayagua.
 - 2 in Santa Rosa de Copán: El Picacho (Montaña Verde Sector); Las Manzanas (Celaque – Puca Sector), La Iguala, Lempira.

Figure 6. Location and progress and declaration process of micro watersheds identified by GEMA during Q1 I



Ecosystem Services Compensation Mechanisms

- **Delivery of legal personalities:** Delivered 18 legal personalities to JAAs in La Esperanza (12 in Santiago de Puringla, La Paz, and 6 in San Juan, Intibucá), in 2 community events.
- **New JAAs with MCSE:** Incorporated 28 new JAAs (9 in Santa Rosa de Copan, 18 in La Esperanza, 1 in Santa Barbara) to the process of implementation of MCSE in GEMA's areas of influence. With support of the in field technical team, prepared the files for the legalization and registration of the JAAs in the Direction of Regulation, Registration and Monitoring of Civil Associations (DIRRSAC). The files contain:
 - Certification of deed of incorporation
 - Copies of identities of board members
 - Certification of the Municipal Secretariat
 - Certification of non-kinship signed by the mayor
 - Certification of authorization to grant power of attorney
 - Power of attorney, signed by the President
 - Certification of attendance to Assembly Session, in election of Board of Directors
 - Certification of approval of statutes
- **Participation of level 2 local organizations:** Promoted the participation of level 2 local organizations (constituted by level 1 local organizations), related to water governance in GEMA areas of influence:
 - Support given to AJAAM Talgua in the registration process of the legal personalities of 7 JAAs before Property Registry. These add up to a total of 23 applications, completing the documentation required to proceed with the request of the legal personality for the association.

- Completed the file to request the legal personality of the council of El Chiflador and Guaralape micro watershed in Marcala, La Paz; AJAAM Chinacla, AJAAM La Paz, and AJAAM Anillo Verde in La Esperanza, Intibucá.
- **Office equipment for JAAs:** In coordination with MAPANCE, Puca Foundation and ASOMAINCUPACO, transported and delivered equipment to 47 JAAs benefitted by GEMA. The equipment included: 4 accounting and administrative record books, 1 small file cabinet and office supplies.
- **Accountability of JAAs:** Prepared 323 accountability files (176 Santa Rosa de Copan, 48 Santa Barbara, 99 La Esperanza). This has been done in coordination with MAPANCE, Puca Community Foundation, ASOMAINCUPACO, TRC, and UMAs. Each file contains:
 - Financial Report (income statement and balance sheet) signed by accountant.
 - Descriptive report of activities, which includes Annex I of ERSAPS and a narrative complementary report focused on MCSE for micro watershed conservation.
 - Evaluation of the AOP executed in 2018.
 - 2019 Operating plan (chronogram) of the organization.
 - Letters of Understanding signed by JAAs, AJAAM, and GEMA.
- **Legal personalities of local organizations:** Continued the legalization process of new local organizations (JAAs, Associations of producers with irrigation):
 - Registered 8 JAAs from Talgua in the URSAC for the normalization of their legal personalities.
 - 4 new JAAs from La Iguala and 1 JAA from Gracias, have started their legal personality acquirement processes.
 - Submitted 44 requests to publish legal personalities in Diario Oficial La Gaceta, allowing them to continue with their legalization process.
 - In process of digitalisation 323 files that will be submitted (digital and print) to ERSAPS for JAA accountability purposes.
 - Follow up on the 5 processes of legal personalities of Producer Associations (Irrigation groups) in the Ministry of Economy and Social Inclusion.
- **Second level MCSE:** Followed up on level 2 MCSE in GEMA areas of influence, as shown below:

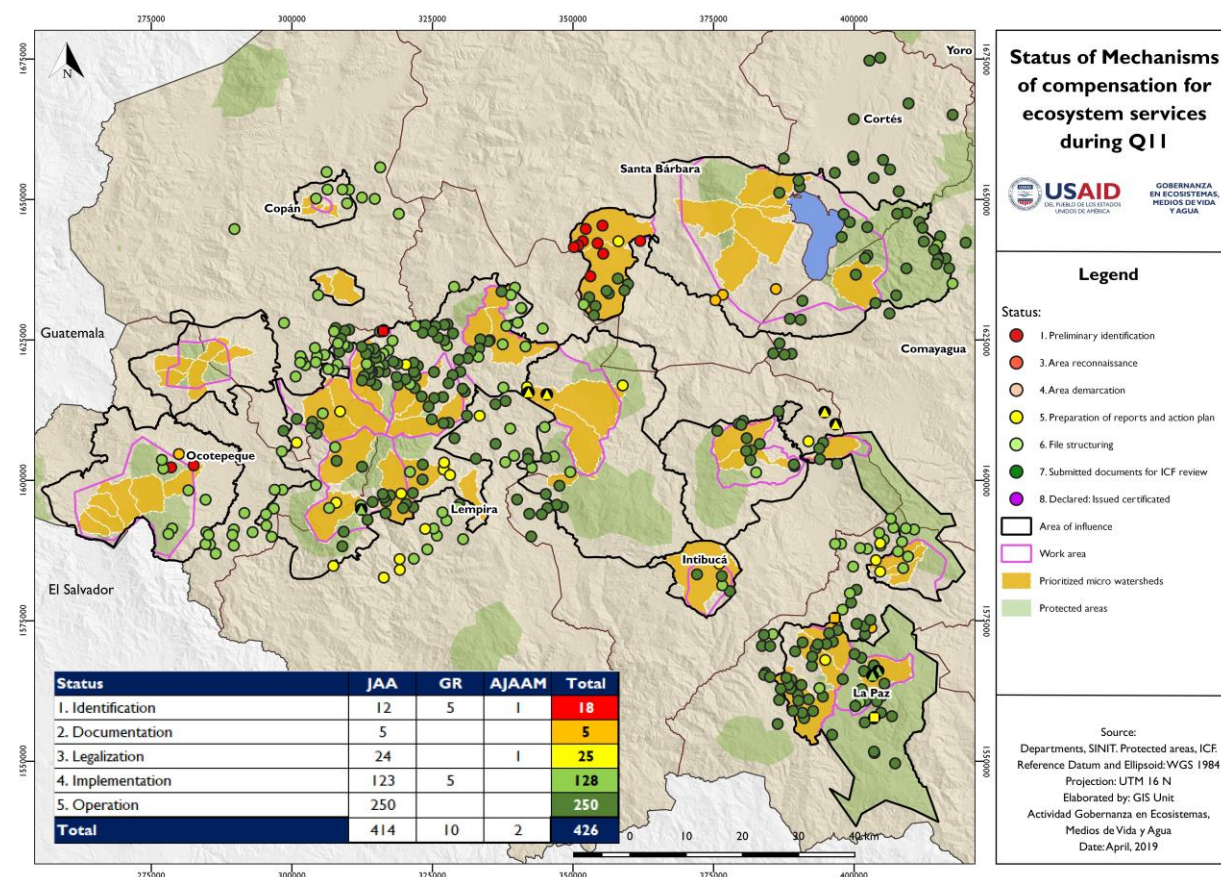
Table 7. Progress of MCSEs in GEMA areas of influence

#	MCSE Location	Progress Description
1	Gracias, Lempira. Rio Arcagual Micro watershed.	With MAPANCE and GEMA's support the approval of the green fund proposal by Gracias, Lempira municipality has been achieved.
2	4 municipalities in the La Mirona El Suptal region.	Signed agreement between municipalities that benefit from La Mirona and El Suptal (Cucuyagua, San Pedro de Copán, Las Flores and Talgua), supporting the elaboration of of intra-municipal policies in coordination with GLH.
3	Santa Rosa de Copan. Rio La Honduras Micro watershed.	Actions undertaken by grant that contributes to MCSEs in Santa Rosa de Copán: <ul style="list-style-type: none"> ● Surveillance of La Honduras micro watershed area of influence. ● Fire preventing rounds ● Maintenance and new fire preventing rounds on very important conservation areas in Santa Rosa de Copán. ● Training for members of communities located near La Honduras micro watershed, through a grant with ADELSAR.
4	Intermunicipal MCSE (Veracruz, San José, Trinidad, Dolores and Dulce Nombre) Cerro Cocoyagua region.	A grant that will coordinate actions for MCSE implementation on a second level has been approved and is currently being executed. There have been community workshops on JAA accountability regarding management of legal personalities, and on procedure for the legalization of new JAAs. Also, agreements with JAAs have been established for surveillance and protection activities in their water recharge zones. There have also been 2 workshops with municipalities on the approval of funds related to conservation.
5	Chinacla.	Established agreement between Chinacla JAAs to increase the fee to ensure sustainability, and to implement an environmental fund. AJAAMCHI is being legalised

		through community assemblies in the 22 communities that comprise it.
6	Anillo Verde Casco Urbano Intibucá – La Esperanza region.	Awarded grant to Lenca Eramani Municipal Association for the design and implementation of the MCSE. 12 JAAs are being legalised, they will comprise the JAA Association in this area.
7	Intermunicipal MCSE (La Arada, San Nicolas and San Vicente Centenario) El Volcán Micro watershed.	As a follow-up to the Environmental Fund, a bank account was opened on behalf of MUNASBAR; the contributions of municipalities will be deposited in it. La Arada and San Nicolas municipalities already made a deposit of L [REDACTED] each; San Vicente Centenario municipality's contribution is still pending.

- Follow up on the implementation of MCSE: 426 MCSE are in different stages of the process of implementation, as shown in figure 7.

Figure 7. Status of MCSEs driven by GEMA during Q1 I.



Renewable Energy

- Commitments for set three: Achieved shared cost agreements for the installation of 1,300 improved stoves and signed letters of commitment with all municipalities. The systems will be installed as follows: 200 in Santa Bárbara (Santa Bárbara), 100 in Taulabé (Comayagua), 150 in Intibucá (Intibucá), 100 in Santiago de Puringla (La Paz), 200 in La Iguala (Lempira), 200 in Trinidad, 150 in La Unión, 100 in Santa Rosa de Copán (Copán), and 100 in Sinuapa (Ocoatepeque).
- Activity development: Carried out all the activities by micro businesswomen trained by GEMA or micro businessmen trained by ProParque. A total of 9 women and 1 men have been employed. They have earned a

total of L. [REDACTED] in activities that go from verifying beneficiaries to installing improved stoves. Activities have been completed and paid in Q11, but initiated during Q10.

- RE systems: One thousand eight hundred and fifty (1,850) improved stoves have been installed and fully documented in San José (La Paz), Intibucá, La Esperanza, Jesús de Otoro and San Isidro (Intibucá); San Pedro de Zacapa, Arada and Las Vegas (Santa Bárbara); Taulabé (Comayagua); and Santa Cruz de Yojoa (Cortés). One hundred (100) SFV were installed in Jesús de Otoro, Intibucá. A total of 8,398 persons were benefited.
- Environmental plans (Cleaner production): Consultant hired to help CDE Lempa and CDE Santa Bárbara complete the environmental plans still pending. The plans define the Cleaner Production (CP) measures that the enterprises may implement. The consultant will be following-up on the implementation of these measures after the plans are completed and the implementation agreement with each enterprise is signed. During Q11, twenty (20) more plans were completed: 19 pending from CDE Lempa and 1 from CDE Santa Bárbara.
- Program descriptions / grants: Three (3) program descriptions approved of three (3) applications received. Two (2) were adjusted and approved, and one (1) adjusted and still pending approval:
 - Application for solar dryers to benefit 80 coffee producers through COCAFELOL, adjusted and accepted by the evaluation committee. Final approval by USAID to this in-kind grant is in process.
 - Application for solar dryers to benefit 240 native seeds producers through PRR, adjusted and accepted by the evaluation committee. Final approval by USAID to this in-kind grant is in process.
 - The Program Description for a SFV for the Artisanal Market to benefit 200 enterprises was approved, and the application of Lenca Eramaní Municipal Association was presented and evaluated by the committee. The adjusted application was also sent and is awaiting the approval of the evaluation committee.
 - The Program Description for upgrading the water treatment plant receiving waste water of 55 restaurants in Lago de Yojoa, so that it treats their greywaters as well, was approved. The Association of Restaurant Owners is working on the application.
 - The Program Description for a composting system to reduce synthetic fertilizers in vegetable plantations in Tepezcuintle micro watershed was also approved. COPRAUL is working on the application to benefit 146 producers.
- Commercial cooking systems: Completed the testing of the prototypes of the firewood saving commercial cooking systems with very good results:
 - Commercial Fryer “Estufa Escolar ECO’PAN – Mejorada” resulted in an average of 72% less firewood consumed and 4 times more capacity than the traditional model.
 - The bread ovens "Barril Alargado - Fijo" for cookies and pizza production and the "Eco-Horno - Mediano" for bread production resulted in an average consumption or yield of 72% and 52% less firewood, and 5 and 3.2 times more capacity than traditional models, respectively.
 - The pottery oven “Sistema Tradicional de Ojojona Mejorado” resulted in an average of 57% less firewood consumed, 60% more capacity than the traditional model and 12% less cooking time.
 - The brick and tiles oven “Sistema Tradicional Mejorado” resulted in an average of 30% less firewood consumed, 25% more capacity than the traditional model and 35% less cooking time.

Figure 8. Tests with prototypes in the Lempira region (COLOSUCA Municipalities)



- **Pilot Projects:** Initiated the installation of the pilot projects to test the designs in a full-operational mode. Pilot installations completed during Q11 were: 2 commercial fryers (Santa Bárbara and La Esperanza region), 6 bread ovens (one for cookies and one for bread in each region), and 3 pottery ovens. MOUs for the 11 pilots installed have been signed. MOUs for the remaining systems have also been signed and will be installed during Q12. With the pilots working, massive installation of systems will be initiated through grants with GEMA, PODER and AECID-COLOSUCA. Consultant (Darnell Carranza) will be coordinating field monitoring of the installed systems to assess their efficiency and acceptance. Formats for assessing both have been prepared.
- **Education Campaign:** Completed the script for a video on renewable energy basic concepts. GEMA's Communication Unit is working on the editing part, since it will be an animated video. This video will be presented to several educational centers in coordination with GLH.

RESULT 2: INCREASE CONSERVATION-RELATED AND INCOME-GENERATING ACTIVITIES

Main actions during Q11

Agroforestry Livelihoods

- **Training and Technical Assistance Plans (PCAT):** 1,647 people trained (461 women and 1,186 men), through 282 training and technical assistance events distributed in the following ways: (i) promotion (1); (ii) training sessions (15); (iii) workshops (10); (iv) field days (30); (v) on-farm technical assistance visits (222); and, (vi) educational tours (4). Most of the events are aimed at promoting and applying good agricultural and processing practices based on the concept of learning by doing. Among those practices, integrated management of the crop, pest and disease management, livestock practices, soil management, and organic fertilizers stand out. The participation of women in these events was 28% (See Table 8).

Table 8. Participation of men and women in training and technical assistance workshops

Modality	# of Events	Topics	Participants		
			M	F	T
Socialization	1	Project initiative with new producers participating in the Activity.	9	1	10
	1	Strengthening entrepreneurship capacities for women producing cocoa.	3	27	30
Training	3	Strengthening business development for cocoa producers	37	18	55
	3	Organization and marketing of avocado in Río Higuito sub watershed	60	6	66
	3	Training in Organic Agriculture focused on Coffee Cultivation developed in farms located in Aruco, Higuito and Suptal micro watersheds.	178	30	208

	3	Workshop related to Agronomic Management in Coffee Cultivation for sustainable coffee production in Aruco, Higuito and Suptal micro watersheds.	71	17	88	
	1	Patrol establishment and preventive measures for wildfires.	23	0	23	
	1	Coffee nutritional demands.	60	19	79	
Workshop	1	Workshop on the construction of ecological ovens for the processing of sugar cane loaves.	9	1	10	
	1	Workshop on the use and management of evaporators in the processing of sugar cane loaves.	23	2	25	
	1	Workshop on the implementation of the Water Governance tool.	3	0	3	
	1	Traceability and coffee quality management.	60	18	78	
	1	Basic standards and regulations related to socio-environmental certification	65	20	85	
	1	Integrated management for pests and disease.	55	18	73	
	1	Second workshop on the elaboration of business plan for the company "Siempre Vivas".	0	5	5	
	1	Coffee nutritional demands.	0	23	23	
	1	First workshop on the elaboration of business plan for the company "Alfa y Omega".	0	4	4	
	1	Workshop on the soil interpretation and analysis.	0	8	8	
		4	Certification process for farms in Río Gualcarque sub watershed and Lago de Yojoa.	44	12	56
	Field days	6	Production costs and management for pre-and-post-harvest in Río Gualcarque sub watershed and Lago de Yojoa.	63	17	80
4		Integrated management for pests and disease alongside tissue management in Río Gualcarque sub watershed and Lago de Yojoa.	25	3	28	
2		Organic Agriculture and Organic product elaboration in Río Gualcarque sub watershed and Lago de Yojoa.	19	5	24	
1		Post-harvest management for the preservation of coffee quality in Río Mejocote sub watershed.	9	1	10	
4		Integrated management for pests and disease, tissue management and an adequate coffee nutrition in Río Mejocote sub watershed.	32	18	50	
2		Fertilizer elaboration from organic origin for fertilization in cocoa farming.	13	2	15	
1		Grafting techniques in cocoa farming, to maintain highly productive parcels.	15	1	16	
2		Tissue, pests and disease management in cocoa farming.	19	3	22	
4		Pre-and-post-harvest management for avocado in Río Higuito sub watershed.	38	2	40	
Technical assistance visits		85	Integrated management in coffee farming.	67	18	85
	66	Integrated management in coffee farming in Río Mejocote sub watershed.	53	13	66	
	67	Technical assistance in agronomic management for avocado in Río Higuito sub watershed.	61	6	67	
	3	Technical assistance in crop management, sugar cane sub-products elaboration and the construction of ecological ovens.	47	3	50	
	1	Punctual technical assistance in activities related to the fulfilment of organic fair trade, harvest, quality and product storage certification regulations.	0	125	125	
Educational tour	4	Technical assistance in wet coffee processing, storage and commercialization.	25	15	40	
Total	282		1,186	461	1,647	
		Percentage	72%	28%		

- **People with Improved Economic Benefits:** Incorporated 200 families in the coffee value chain in the Río Grande de Otoro sub watershed, conformed by a total of 1,000 people. The cumulative total to date is approximately 17,355 people with direct benefits (3,471 families multiplied by 5 members / family), through agroforestry projects.
- **PPPs in the Agroforestry sector:** Formalized a new Public Private Partnership (PPP) with COCEPRADII for the execution of the project "Reduction of threats to biodiversity, forest and water in prioritized micro watersheds in the Mixcure and Opalaca work area", in which 200 coffee producers participate. Table 9 shows that up to March 2019, 14 PPPs have been signed, involving 9 institutions with private capital from coffee exporters, development associations, municipal associations and producer associations. Each institution in a

PPP has commercial partners that benefit producers by marketing their products through negotiation tables and purchase sale contracts.

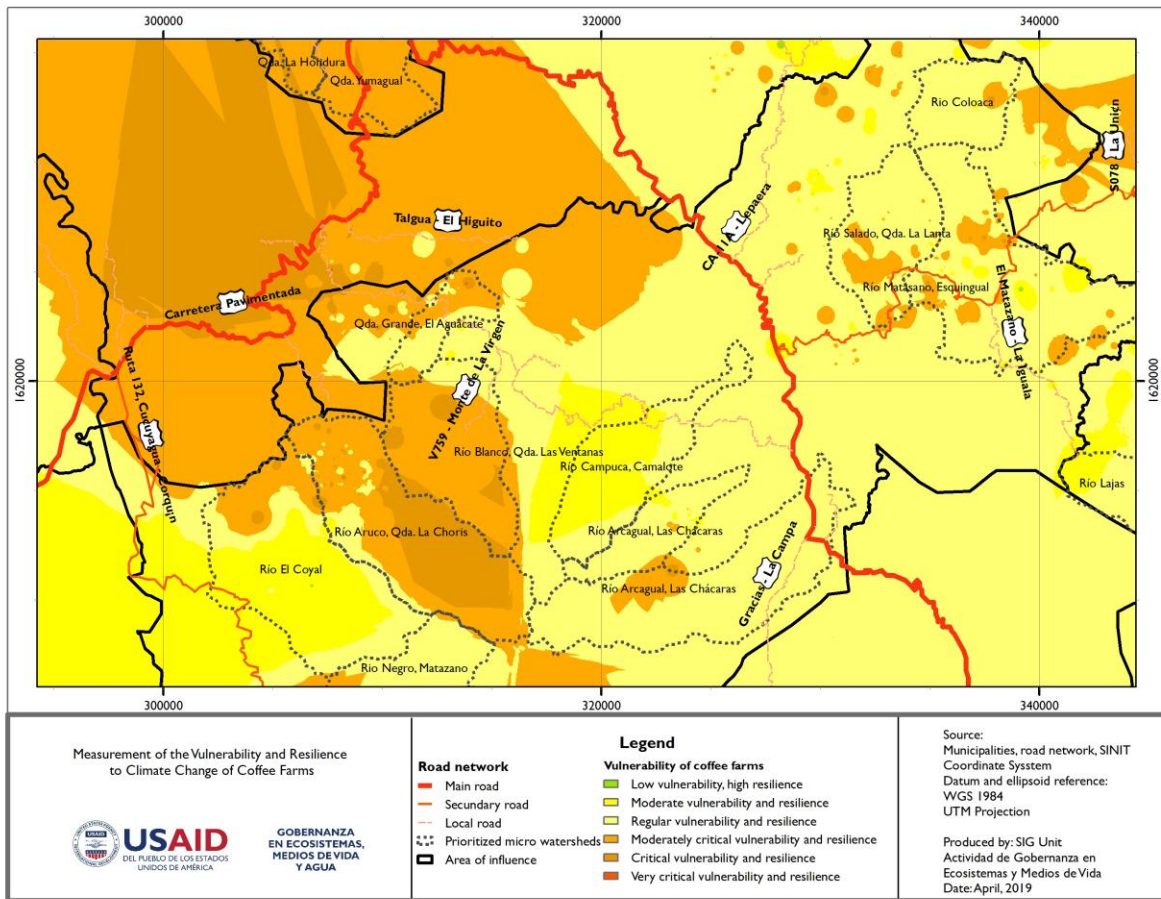
- Leverage of Funds: [REDACTED]

Table 9. PPPs and funds leveraged from private enterprises

#	PPP	Industry	Commercial Partner	GEMA Investment (US\$)	Counterpart (US\$)
1	GEMA-FUNDER	Cocoa	COAGRICSAL, AMUCALAY, CRASVIDMIL	[REDACTED]	[REDACTED]
2	GEMA-FUNDER	Avocado	Horti Fruti		
3	GEMA-CO.HONDUCAFE Foundation	Coffee	CO.HONDUCAFE		
4	GEMA-CO.HONDUCAFE Foundation	Coffee	CO.HONDUCAFE		
5	GEMA-Honduran Quality Coffee HQC	Coffee	Coffee Planet		
6	GEMA-Honduran Quality Coffee HQC	Coffee	Coffee Planet		
7	GEMA-MAPANCE	Sugar Cane	Several		
8	GEMA-MAPANCE	Milk and Meat	Several, SULA		
9	GEMA-MANCEPAZ	Coffee	CAFFEX		
10	GEMA-COMUCAP	Coffee	Molinos de Honduras		
11	GEMA-ASIDE	Coffee	COHORSIL		
12	GEMA-Rainforest Alliance	Coffee	Becamo		
13	GEMA-COMUCAP	Coffee	N/A		
14	GEMA-COCEPRADII	Coffee	CAFFEX		
			SubTotal		
			Total		
			Percentage in PPP		

- Certification: Incorporated socio-environmental seals to the training and assistance plans managed by the implementers of the agroforestry projects, the most used being the Code of Conduct for the Coffee Community (4C), the UTZ ("Good" in Maya-Quiché dialect), and the Rainforest Alliance (RFA); on a smaller scale, organic certification and Fair Trade.
- Vulnerability of farms: Developed the map of vulnerability of coffee farms to climate change in the work areas of the projects: (i) Production of coffee in RSVMP and, (ii) Sustainable management of coffee farms in Rio Aruco, Higuito and El Suptal sub watersheds. Both grants are executed by Honduran Quality Coffee (HQC).

Figure 9. Map of vulnerability and resilience of coffee farms to climate change



Non-traditional, Non-Agricultural or Niche-livelihoods

Business Development Program (executed by CDE)

- **Business consulting for micro enterprises:** Signed three (3) letters of understanding with three (3) municipalities: Belén, La Campa and San Sebastián, Lempira, with the purpose of assigning one of their technicians to be trained by the CDE in business technical advice. The business strengthening program includes developing capacities in some municipal governments so that they can support and monitor microenterprises in their territory.
- **Business legalization:** Imparted two (2) workshops in CDE Lempa Region, about business legalization for 16 technicians (6 women and 10 men) from MAMCEPAZ and MAMLESIP in La Paz.
- **Technical counseling:** CDE Lempa Region provided personalized business technical advice to 51 companies to strengthen capacities in the following topics: (i) cost analysis, (ii) organization, administration, marketing and sales, (iii) health registrations, (iv) production process, and (v) legalization and monitoring of environmental plans.
- **Sanitary registration and licenses:** Obtained thirty (30) sanitary registrations of 30 products currently produced by the enterprises and seven (7) sanitary licenses of 7 enterprises.
- **Business training:** 50 micro enterprises received a package of 8 manuals on business training.
- **Training workshops:** CDE Santa Barbara Region imparted two (2) training workshops to 70 participants (56 women, 14 men):

Table 10. Training by CDE Santa Barbara Region

#	Training	# Participants	Women	Men
1	Business Models Participants: <ul style="list-style-type: none"> ▪ Chuchitepec Association of Craftswomen ▪ Cancunco Association of Craftswomen ▪ Multiple services company Visión del Junco ▪ 4 independent microentrepreneurs 	33	29	4
2	Collective brands and natural resources (support given by Instituto de la Propiedad)	37	27	10
Total		70	56	14

- **Legal personality:** Three (3) legal personalities were granted with GEMA's support to three (3) enterprises in Santa Bárbara: (i) Asociación de Artesanas Nispereñas, (ii) Visión del Junco, and (iii) Multiple Services Enterprise Nuevo Amanecer del Junco.
- **Legalization process:** Three (3) enterprises are currently in the process to obtain their legal personalities: (i) Association of Artisans from Chuchitepec (San Antonio de Chuchitepec, San Pedro Zacapa); (ii) Association of Artisans from Cancunco (Cancunco, San Pedro Zacapa); and, (iii) Multiple Services Enterprise Flor de Junco (La Cuesta, Santa Bárbara).

Counseling in Cleaner Production and Environmental Plans for Micro Enterprises

- **CP and environmental plans:** Three (3) CDEs (Western Region, Lempa and Santa Bárbara Region) received direct technical assistance from GEMA on consultancy for microenterprises regarding cleaner production practices and environmental plans. These practices make micro enterprises be considered green or ecological.
- **Adoption of Environmental Practices:** Forty-three (43) out of 50 micro enterprises of CDE Western Region managed to adopt at least 1 environmental practice, as shown below:

Table 11. CDE Western Region micro enterprises incorporating environmental practices

Incorporated Environmental Practices	# MSME
0 practices	7
1 practice	5
2 practices	8
3 practices	14
4 practices	10
5 practices	6
TOTAL CP MSME	50

- **Environmental plans:** Fifty (50) micro enterprises from CDE Lempa have an environmental plan. Thirty-five (35) micro enterprises signed letters of commitment to implement environmental practices, and the rest will sign next month. In addition, 50 microenterprises in the Santa Barbara region are still developing environmental plans and are receiving advice on cleaner production.

Gender-specific Activities

- **Training workshop:** Imparted a gender workshop under UN Women's Empowerment and Security program, funded by USAID and coordinated by GEMA. Fifteen (15) technicians (10 women and 5 men) of CDE Lempa Region were trained.

Trade Fairs

- **Trade fairs:** Ten (10) micro enterprises of CDE Lempa participated in 2 trade fairs (Walls Leather and AGAFAM 2019).

Products Developed by CDE

- **Training books:** CDE Western Region completed the layout of 8 training books for micro enterprises on the following topics: (i) administration, (ii) accounting, marketing and sales, (iii) customer service, (iv) Information and Communication Technologies, (v) business associativity, (vi) business training, and, (vii) legalization. In addition, investigations of market trends in Western Honduras in tourism, processed foods and markets were approved.
- **Investment plans:** CDE Western Region updated the investment plans of 26 business models. CDE Lempa Region finalized the development of 30 business models, and CDE Santa Bárbara Region is developing 50 business models.

Institutional Strengthening Activities by CDE

- **Institutional strengthening:** Three (3) institutional strengthening activities with the CDE were carried out in this period: (i) Economic Competences in Entrepreneurial Training (CEFE) workshop (2nd module); (ii) execution of CDE Western Region's strategic plan; and, (iii) establishment of relations with the Tadeo Lozano University of Colombia.
- **Second CEFE workshop module:** Imparted the second CEFE workshop module, in which CDE Lempa and Western Region personnel participated. The objective is to develop greater capacities in CDE's personnel so that they can advise microenterprises more effectively and certify their staff. The training was divided into two groups to promote effectiveness. 27 technicians participated (8 men and 19 women).
- **Strategic plan:** Started the process of implementing the Strategic Plan of the CDE Western Region, developed with GEMA's support. The activities during the quarter were: (i) Elaboration of the communication and visibility manual to standardize processes; (ii) changes in the current monitoring and evaluation system to meet managerial, impact and confidentiality needs; (iii) search for software that allows entering information required by the Ministry of Economic Development, and other projects executed by the CDE; (iv) training of personnel in the use of the current monitoring system to ensure the quality of the information and obtain statistical data with greater clarity; (v) survey to prioritize training topics with the greatest demand to improve advisory tools; and, (vi) development of instructions on business legalization processes to train personnel.
- **Strategic Alliances:** CDE Santa Bárbara Region, with GEMA's support:
 - Contacted the Sur-Sur Cooperation Unit of the National Learning Service (SENA), Colombia, in order to find an expert in manufacturing and use of machinery and tools to transform natural fibers. In this search, CDE also contacted the Materials Center of the Tadeo Lozano University in Bogota, Colombia. The institution identified specialist Margarita Baena as the best candidate to counsel the team on natural fiber textiles. As a result, the terms of reference to receive the technical advice through CDE's grant have been prepared.
 - Established a relationship of coordination and support with UNITEC, Tegucigalpa campus, resulting in: (i) Professor José Vargas of the Trend Analysis of Fashion course, asked his students to prepare studies of the trend in accessories with the use of natural fibers as their final project; (ii) the students presented 3 projects, each with 3 prototypes of accessories made with natural fibers that will be fashionable in 2020; (iii) Professor José Vargas, also traveled to Santa Bárbara, photographed the current products to create a digital catalog that will be on the CDE page, additionally; (iv) he will write an article about his visit to Santa Barbara and post it on his "blog", using Instagram to spread the work of the artisans.

Systematization of Success Stories

- **Collection of information:** CDE Western Region developed methodological tools to systematize experiences of the business development program executed with GEMA's support, and elaborated the terms of reference to hire a consultant to support the collection of the information.
- **Stories to document:** Concluded final version 5 success stories of 5 micro enterprises:
 - Alfarería Rina Xiomara García, pottery production, La Campa, Lempira.
 - Centro Turístico El Yate, tourism micro enterprise, San Juan de Opoa, Copán.
 - Chile Habanero El Coyol, food processing micro enterprise, San Sebastián, Lempira.
 - Pan Pizza Carmencita, artisanal bakery, La Lagunita, Gracias, Lempira.
 - Panadería Pinot, bakery and confectionery, Santa Rosa de Copán.

- **Strategic Alliances:** With GEMA's support, CDE Lempa selected 6 enterprises as potential success stories to systematize. These cases will be published in a printed magazine called "Inspírate", financed by GEMA and UN Women. The enterprises are:
 - San Carlo Chocolate, cocoa based products, entrepreneur: Rosalba Castellanos, Marcala, La Paz.
 - Grupo La Amistad, artisanal bakery, entrepreneur: María Rosenda Gómez, Yamaranguila, Intibucá.
 - Finca EntreCaminos, herbal infusions produced in the farm, entrepreneur: Fernando Contreras, Marcala, La Paz.
 - Carmencitas, artisanal bakery, entrepreneur: Carmen Aguilar, Marcala, La Paz.
 - Finca Los Catadores, ecotourism, dehydrated fruits, entrepreneur: Iván Ernesto Vásquez, Marcala, La Paz.
 - Apiario Antares, honey, soaps, cream, mead, entrepreneur: José Calixto García, Chinacla, La Paz.
- **Documented Success Stories:**
 - **Technical Assistance and CP Program:** Documented and filmed 5 success stories of micro enterprises from western Honduras that showed significant advances in the business technical assistance and cleaner production program. These micro enterprises have achieved the following: (i) adopted at least 5 new business practices, (ii) currently implementing environmental plans, (iii) executing at least 3 new environmental practices in production processes, (iv) executing at least one new practice with a focus on conservation and protection of the micro watershed from which they benefit, and (v) graduated from workshops on gender equity, women empowerment and masculinity.
 - **Nature and Adventure Activities Program.** Recorded a promotional video of the nature and adventure activities offered in the area of Lago de Yojoa and Montaña de Santa Bárbara. The video will promote the certified guides of the region. The certified guides shared their experiences during their training and their plans to generate business initiatives with a focus on protection and conservation of the areas where they carry out nature and adventure activities.
- **Documented testimonies:**
 - **SCCAL:** Members of the board of directors of Alfarería Lenca San José, from the San José community in Guajiquiro, La Paz, shared their thoughts on the pottery oven that was installed for their business.

Figure 10. Daysi Sanchez's testimony on SCCALs




“ After using the oven, we have seen the amount of firewood we use to “bake” our goods reduce by more than 50%. The baking quality is better, because the products are not smoked and they don't break. We do not end up smoked either and we are less exposed to heat, because now the system is closed. In general, now we use less firewood and that is a good thing, because we conserve trees in our community, which help produce water in our micro watershed, so animals can live and so we can have better climate conditions. As a business, we have developed activities to take care of our micro watershed; we have done cleaning campaigns, fire preventing rounds and we have planted 3,500 trees. ”

Daysi Sanchez
 President, Alfarería Lenca San José
 March 2019

- **Migration Related.** Olman Martínez, a kayak rental entrepreneur in Peña Blanca, Lago de Yojoa, shared his experience migrating to the United States, the hardships he lived, his return to Honduras and the difference his business has made in his life and in his family’s life. Now, he offers services to tour operators and tourists with special emphasis in the conservation and protection of water.

Figure 11. Olman Martínez’s testimony on migration



“ I lived in the United States for a year and a half and decided to come back because even though I worked for a while, work opportunities were not stable for me. Once, I even spent two days without eating. Desperate because I had no income and because my family was so far away, I decided to come back and put all the energy and motivation I had taken with me into my own business. And now, with the kayak rentals everything is so much better.”

I say this all the time, Honduras has everything!

Olman Martínez
 Manager, Kayak Rentals
 Peña Blanca, Lago de Yojoa
 March 2019

CDE Grant Status: Business Technical Assistance and Cleaner Production Program with 50 MCSEs in Western Honduras

- **Grant Status:**
 - **CDE Western Region**, 90% progress, ends in May 2019.
 - **CDE Lempa Region**, 85% progress, and Santa Bárbara 60% progress, contract extended without increase in budget. They end in July 2019.
 - **Centro Cultural Hibuerras (CCH)**. In March, the grant “Resilience and innovation of the pottery value chain in 12 municipalities of Santa Bárbara” was approved, under the following conditions:
 - Start date: March 14, 2019
 - End date: September 13, 2020
 - Total execution period: 18 months
 - GEMA’s investment based on milestones: [REDACTED]
 - Centro Cultural Hibuerras’s Investment: [REDACTED]

SCCAL and Business Technification Program

- **SCCAL:** Fifteen (15) micro entrepreneurs participated in the validation of 5 prototypes of firewood saving systems. In general, the acceptance of this technology is very high. The elongated barrel bakery oven for pizza and cookies will not be reproduced as there is more demand for the traditional bread oven that has multiple uses. All systems save considerable quantities of firewood and cooking time. The specific saving data (firewood and time) will be recorded when the technology is massified through the Equipment and Technification Program. The following enlists the entrepreneurs who participated in the validation stage:

Table 12. Participants in the validation of cooking systems

#	Enterprise	Community	Municipality	Dept.	Cooking System
1	Grupo de Mujeres Minas de Colosuca	San Sebastián	San Sebastián	Lempira	Medium Eco Horno (bakery)
2	Restaurante Los Asados, propietaria Alicia Trigueros	Gracias	Gracias	Lempira	ECO'PAN Oven – Medium mobile (fryer)
3	Grupo de Mujeres, Campesinas en Acción	Catatao	Gracias	Lempira	Elongated barril oven - stationary (bakery)
4	Ladrillera Mateo, propietario Arturo Mateo	Rancho Obispo	San Manuel de Colohete	Lempira	Improved traditional oven (bricks and tiles)
5	Alfarería Desideria	La Campa	Lempira		Improved traditional oven (Pottery)
6	Alfarería Lenca San José	San José	Guajiquiro	La Paz	Pottery oven
7	Delicias de Musula	Musula	Marcala	La Paz	Frying stove
8	Panadería María	El Cerrón	Marcala	La Paz	Medium bread oven
9	Medicina Natural Rosario	El Pastal	Marcala	La Paz	Barril bread oven
10	Empresa de Ladrillo y Teja “Unidos para Progresar”	Santa Rosita	Marcala	La Paz	Oven for bricks and tiles
11	Delitajadas	El Zapote	Santa Bárbara	Santa Bárbara	Frying Stove Eco Pan Barril
12	Panadería Doña Suyapa	Mogote	Zacapa	Santa Bárbara	Bakery oven Medium Eco Horno
13	Panadería Sandra Paz	Santa Bárbara	Santa Bárbara	Santa Bárbara	Bakery oven Medium Eco Horno
14	Artesanías San Vicente	San Vicente Centenario	San Vicente Centenario	Santa Bárbara	Pottery oven
15	Asociación de Ladrilleros de San Gaspar	Santa Bárbara	Santa Bárbara	Santa Bárbara	Improved traditional brick oven

- **Equipment and Technification Program:** Identified and selected the enterprises that will participate in the equipment and technification program. This program will be developed with the support of several entities, including: CDE Western Region, PILARH Foundation, CDE Santa Bárbara, AECID Colosuca and PODER (FHIS).
- **Grant with CDE Western Region:** A grant with CDE Western Region is approved and ready to start. This grant will benefit 120 MSME in western with the equipment and technification program. The execution period will be from April 22, 2019 to April 22, 2020. The 120 enterprises are already identified in Copán, Lempira and Ocotepeque. Of these, 50 micro enterprises will have financial support from AECID Colosuca for equipment.

Table 13. Distribution of 120 enterprises benefiting from the equipment and technification program.

Department	Municipality	# Enterprises	Micro watershed o area of influence from which they get firewood
Lempira	Gracias	29	Rio Campuca, Rio Arcagual – Celaque
	Belén	10	Rio Jagua – Celaque
	La Campa	6	Rio Oromilaca – Celaque
	San Sebastián	3	Río Gualcora – Celaque.
	San Manuel de Colohete	9	Río Grande, Quebrada Gualaya – Celaque.
	Las Flores	4	Quebrada El Salado – Puca
Copán	Santa Rosa de Copán	8	Quebrada La Hondura.
	San Juan de Opoa	1	Quebrada Yumagual
Ocotepeque	Concepción	3	Rio Lempa.
	Ocotepeque	20	Rio Marchala, Rio Sinuapa y Rio Lempa – Güisayote.
	San Francisco del Valle	7	Rio Hondo – Güisayote micro watershed
	San Marcos	16	Rio Hondo – Güisayote micro watershed
	Sinuapa	2	Rio Sinuapa.
	Sensenti	1	Rio Hondo and Rio Lucerna – Güisayote.
Total		120	
Gender	65% women, 35% men		

- **Equipment and construction of ovens:** Completed the selection process for the grantee that will build improved ovens in the Lempa region (PILARH Association). 70 enterprises will participate in this program; 30 will benefit with equipment through a previously developed business model, and 40 will benefit from wood-saving ovens. Of the selected companies, 55 (79%) are headed by women and 15 by men. The program covers 8 municipalities in La Paz and 3 in Intibucá.
- **Installation of Cooking Systems:** Seventy-four (74) selected and geo-referenced enterprises. CDE Santa Bárbara will install firewood-saving cooking systems in 25 of them, and PODER, executed by FHIS, will install 49 systems.

Table 14. Enterprises selected and georeferenced for the installation of cooking systems

Cooking System	Beneficiaries		Funding Source
	Women	Men	
Eco Bread Barrel Frying Stove	11	5	GEMA
Ojojona Pottery Improved Oven	1	-	GEMA
Traditional-improved Brick Oven	-	1	GEMA
Medium Eco-Oven Bakery Oven	5	2	GEMA
SUBTOTAL	17	8	
Eco Bread Barrel Frying Stove	23	5	PODER
Ojojona Pottery Improved Oven	2	-	PODER
Traditional-improved Brick Oven	-	1	PODER
Medium Eco-Oven Bakery Oven	18	-	PODER
SUBTOTAL	43	6	
TOTAL	60	14	

Development of Nature and Adventure Tourism Products

- **Nature and adventure tourism products:** Achieved significant progress in the implementation of GEMA's subcontract with Honduras un País de Aventura (HUPA):
 - **New nature and adventure guides.** Fifty-two (52) young graduates certified as nature and adventure guides in different sports like mountain biking, hiking, kayaking, river tubing, rappel, climbing and spelunking. On their graduation day, they were given training on legal and fiscal requirements for micro enterprises and a business conference with tour operators. The event took place on February 19-20 in Lago de Yojoa.
 - **First tourism map.** The first tourism map for nature and adventure sports in in Joya de Los Lagos, Lago de Yojoa, and the Lenca-Maya District, designed by GEMA with support and technical advice from HUPA and FEHDME, was printed with funds from AECID-COLOSUCA (5,000 copies).
 - **Adventure sports routes.**
 - Identified and prepared twelve 12 routes for climbing, 3 stations for rappel with fixed anchors, and 12 sites for rappel with natural anchors.
 - Prioritized and marked 30 routes to develop activities of nature and adventure with their respective technical sheets, which include observations and suggestions for improvement.
 - **Contingency plans.** Designed 11 contingency plans for tourism providers in national Parks and private natural reserves. These documents were developed in meetings with key local actors, firemen, red cross, guides in process of certification, HUPA and FEHDME.
 - **Routes in Celaque National Park.** Prioritized 5 routes for bird watching in Celaque National Park. This activity was developed with the support of MAPANCE and ASHO (February 6 to 8). In addition, the path to La Mina was marked (March 22-25). Finally, the climbing wall was inaugurated in the Visitors Center (March 2). This activity was financed by the Colosuca Municipal Association, with resources from the Spanish Cooperation Office. The president of the Republic, Juan Orlando Hernández, was in the event, as well as guides certified by GEMA, who are the operators of the climbing service.

Figure 12. Inauguration of the climbing wall in Celaque National Park



- Expoverano 2019: Developed the most important tourism promotion fair of CANATURH "Expoverano 2019" in Tegucigalpa from March 1 to 3. GEMA supported the event with a stand for the Tourism Chamber of Santa Rosa de Copán and the Tourism Commissions of San Juan de Opoa and Las Flores, Lempira, to promote the new tourist activities that are being developed in western Honduras
- III Nature and Adventure Sports Fair. Supported and advised the organizers of the III Nature and Adventure Sports Fair (March 29 to 31). GEMA designed the entire branding for the event: posters, badges, invitations and activities program. The main objective of this event was to promote the nature and adventure activities that take place in the area with the public and the media.

Figure 13. III Nature and Adventure Sports Fair



Local Tour Guide Formation

- **UNAH-CUROC Grant.** 90% progress in the formation of tour guides through the grant UNAH-CUROC.
 - Training workshops developed as of March 31:
 - Tourism culture,
 - Geography and history of Honduras with emphasis on zone 2
 - Tourism legislation
 - Tourism offer
 - Guidance service
 - Tourist guidance
 - Management of contingencies in tourism activities
 - English module 8 in progress
 - Tours:
 - Field trip # 1, Santa Rosa de Copán- Gracias, Lempira, Module 2, History and Geography, October 20, 2018. Instructor: Avelino Izaguirre.
 - Field trip # 2, Gracias, Lempira, Module 6, Tourist Guidance, February 9, 2019. Instructor: Yobani Peraza.
 - Field trip # 3, La Esperanza, Intibucá, Module 5, Guidance Service, February 16, 2019. Instructor: Isis Castro
 - Field trip # 4, Ocotepeque, Module 5, Ocotepeque, Guidance Service, February 23, 2019. Instructor: Isis Castro

Lenca Culture, Traditional Medicine and Biodiversity Program

- **Grant status.**
 - Baseline 100% completed, 60 enterprises registered.
 - Two (2) environmental education workshops held in the municipalities of Guajiquiro and Santa Ana, La Paz. A total of 30 people (14 women and 16 men) participated, including teachers, students, parents, traditional healers and local leaders.
 - Delivered 2 business workshops on sales, cost control and billing, one in Marcala and another in Intibucá. Representatives of 20 enterprises participated (16 women and 4 men).
- **Progress.** Started the process of plant collection, preparation and installation of the health garden at the Juan Ramón Molina Institute of the Municipality of Santa Ana, La Paz.
- **Lenca Women Festival:** Participated in the organization of the Lenca Women's University Festival. The press conference was on March 18. The Mayor of Comayagua, the Director of UNAH-CURC and the Deputy Director of GEMA were the guests of honor. The festival will take place on April 5 and 6 in Comayagua.

People with Improved Economic Benefits

- **Economic benefits:** Supported 430 people (51 men and 35 women) with improved economic benefits derived from better management of natural resources in the municipalities of Opatoro, La Paz (La Paz), Intibucá (Intibucá), Veracruz (Copán), San Vicente and Arada (Santa Bárbara). They are members of the CODEM and CODEL in their communities, and are benefitted through the creation of these entities as community and municipal base structures, to implement actions to protect their livelihoods and micro watersheds, generating an economic benefit in the participating families.

RESULT 3: INCREASE CAPACITY OF THE VULNERABLE POPULATION TO ADAPT TO CLIMATE VARIABILITY AND CHANGE

Main actions during Q11

Communities with adequate disaster capacity

- Risk management: 156 people (83 men and 73 women), members of CODELs, were trained on roles and functions, including the development of simulation exercises, in order to achieve a greater level of empowerment for a better performance in risk management and protection of water producing micro watersheds.
- Community plans: 70% progress in the development of community plans of 6 CODELs (El Roblar, Pueblo Viejo, Camalotes, Goascotoro, Pavitas and Barrio San Juan Planes), all in the municipality of Santa María, La Paz. 68 people participated in this process (32 men and 36 women) members of the CODEL boards of directors.
- Plans in process: 9 CODEL and 2 CODEM have their community plans for adaptation and response to adverse events in different stages of development: 6 CODEL in the municipalities of Las Vegas and San Pedro Zacapa, Santa Bárbara, and 2 CODEM in the municipalities of San Isidro, Intibucá and Santiago Puringla, La Paz, have their community plans at draft level. 3 CODEL of the communities of Ojo de Agua and Coclan, municipality of Jesús de Otoro, La Paz, and the community of Planes de Mixcure, municipality of Intibucá, Intibucá, have their plans validated.

People Supported to Adapt to the Effects of Climate Change

- Equipment for CODELs: Completed the purchase of equipment for CODELs within the framework of the grant implemented by ASOMAINCUPACO in La Esperanza.

People Using Climate Information

- Promotion of the CICOH: Promoted the functions of CICOH and its products (historical reports, graphs and real time data) to 358 members of CODEL and CODEM in the municipalities of La Campa, Las Flores, San Manuel Colohete (Lempira), Santa María, Santiago Puringla, San Jose, La Paz, Opatoro (La Paz), La Esperanza and San Isidro (Intibucá), in addition, members of the Inter-institutional Committee on Climate Change of the West, teachers and students of technical institutes and local actors with presence in the work area of Celaque.
- Academic links: Coordinated an induction on the functions of CICOH with teachers and students from Universidad Católica de Honduras (UNICAH) and Universidad Metropolitana de Honduras (UMH), enrolled in Environmental Engineering and Risk Management programs, so students and teachers can use the platform as a source of information and consultation for the development of research projects and practical exercises.
- Follow-up on grants: (i) Consulted and followed-up on the implementation of the grants given to CUROC, COPECO and MIAMBIENTE, for the procurement of equipment for the server that will host the National MCH and spare parts to restore the existent network of stations in western Honduras; (ii) prepared the scope of work for the elaboration of the business plan of the CICOH; and, (iii) created the Information Communication Technology (ICT) assessment for the acquisition of the servers for each institution.
- Data Exchange: Prepared and discussed a protocol with the participation of all member institutions of the RNHM, to formalize the exchange of data and improve the quantity and quality of the National Database stored in their own MCH systems. The protocol is being signed by all the institutions involved in climate data exchange (COPECO, MIAMBIENTE, UNAH and AHAC).
- CicohAlert: Advanced the development process of CicohAlert (tool dependent on the CICOH), to enhance the function of alerting on how climate variability affects each of the phenological phases of coffee cultivation.
- Educational video: Elaborated a video tutorial for the massive induction on the functions, operation, introduction and evaluation of queries in the CICOH. (https://www.youtube.com/watch?v=xWmVZt_L4Vk&t=8s)
- Trainings: New academics and decision makers have been trained on how to use CICOH:
 - Three hundred fifty-eight (358) members of the CODEL and CODEM in the municipalities of La Campa, San Manuel Colohete, Las Flores (Lempira), Santa María, Santiago Puringla, San José (La Paz), La Esperanza and San Isidro (Intibucá), know the CICOH and received information to understand climate behavior in their communities.
 - Two hundred and seventy-two (272) people (teachers and students) of technical institutes know the CICOH and use it for academic purposes in the Agricultural Technician program (Pompilio Ortega

- Agricultural School, Armando Calidonio Institute, Manuel Antonio Cedillo Basic Center, Middle Education Ing. Javier Argueta, San José de Cupertino Institute, among others).
- Thirty-six (36) technicians (23 men and 13 women) representatives of member institutions of the Interinstitutional Table of Climate Change in the West and local organizations in the work area of Celaque-Puca, were trained on the use and management of the CICOH platform.

Graph 1. Number and category of CICOH users

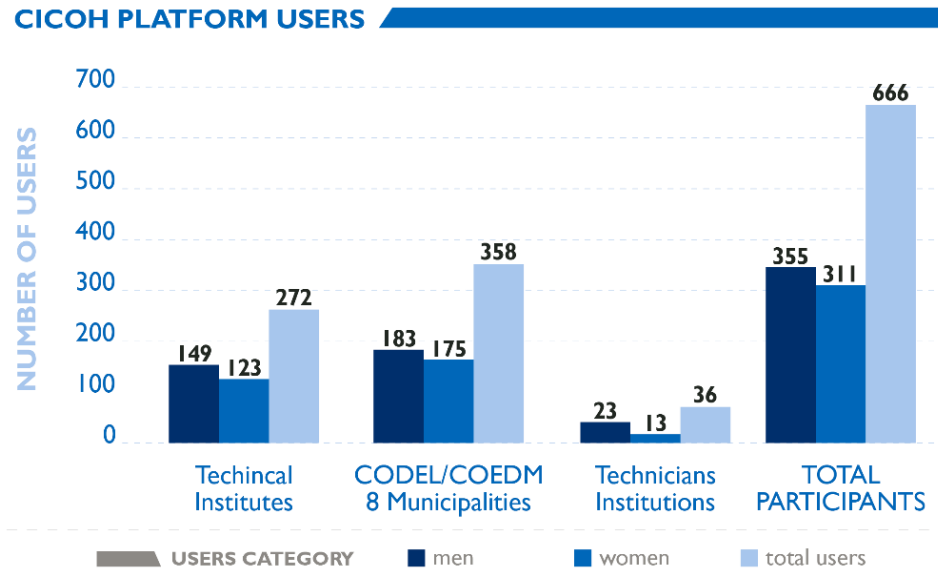


Figure 14. Trainings on climate variability and CICOH during Q11



- **User tracking:** 774 people registered through the audience report from CICOH's website (Google Analytics tracking code). (See figure 15)

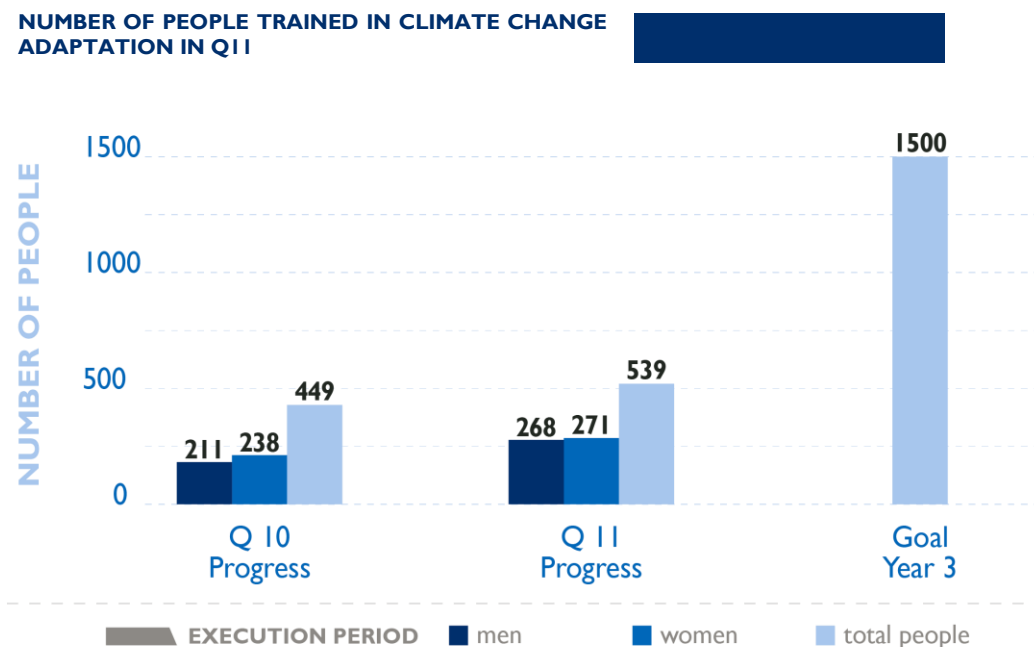
Figure 15. People registered in CICOH's audience report

Client Id	Sessions	Avg. Session Duration	Bounce Rate	Revenue	Transactions	Goal Conversion Rate
1. 346765851.1546873127	66 (4.11%)	00:18:43	31.82%	\$0.00 (0.00%)	0 (0.00%)	0.00%
2. 1881018834.1545069009	43 (2.68%)	00:14:51	18.60%	\$0.00 (0.00%)	0 (0.00%)	0.00%
3. 1710890959.1548882016	34 (2.12%)	00:07:56	41.18%	\$0.00 (0.00%)	0 (0.00%)	0.00%
4. 1735765100.1547826773	28 (1.75%)	00:09:14	32.14%	\$0.00 (0.00%)	0 (0.00%)	0.00%
5. 168590529.1549469430	17 (1.06%)	00:36:03	0.00%	\$0.00 (0.00%)	0 (0.00%)	0.00%
6. 1284784487.1548968398	16 (1.00%)	00:03:58	31.25%	\$0.00 (0.00%)	0 (0.00%)	0.00%
7. 1121502343.1548776939	15 (0.94%)	00:06:56	46.67%	\$0.00 (0.00%)	0 (0.00%)	0.00%
8. 1414777073.1550498748	15 (0.94%)	00:07:55	26.67%	\$0.00 (0.00%)	0 (0.00%)	0.00%
9. 1651769907.1548903697	15 (0.94%)	00:00:01	93.33%	\$0.00 (0.00%)	0 (0.00%)	0.00%
10. 1363409604.1550522276	14 (0.87%)	00:02:07	42.86%	\$0.00 (0.00%)	0 (0.00%)	0.00%

People Trained in Climate Change Adaptation

- **Climate Variability:** Trained 539 people (268 women and 271 men) on climate variability and vulnerability to members of base community organizations (JAA, CODEL, producer associations and others) and students from educational centers in La Esperanza and Santa Rosa de Copán.

Graph 2. Number of people trained in climate change adaptation during Q1 I



CROSS CUTTING ISSUES

Main actions during Q1 I

Gender

- **Training:** Trained sixty-five (65) people on gender and risk management, all members of CODEM and Municipal Women Networks in La Campa (14), Talgua (20), San Manuel Colohete (17) and Gracias (14).
- **Educational videos:** Filmed 4 videos (3 on masculinity and 1 on business leadership) in coordination with UN-Women. Coffee producers of the Mejocote grant participated in the masculinity videos, with the support and assistance of CO.HONDUCAFE, and women of non-agricultural enterprises assisted by CDE Lempa participated in the business leadership video. This material was validated with two focus groups, one for women and one for men, from the Pinal San Antonio community in Gracias, Lempira.
- **Technical assistance:** Developed a selection and hiring process for a consultant that will provide "Technical assistance in gender and leadership with women linked to agricultural or non-agricultural chains and facilitation of a training process for trainers on gender and biodiversity with municipal offices of women and networks ". In the case of masculinity, "Technical assistance for the sensitization and strengthening of capacities in masculinity addressed to technical teams, agricultural and non-agricultural producers, JAA and CODELS".
- **Preparation of didactic material:** Started the preparation of didactic material for modular trainings on: (i) leadership, (ii) biodiversity and water, (iii) risk management, (iv) climate variability for women, (v) hegemonic masculinity and gendercience, (vi) family co-responsibility, and (vii) risk management and water.
- **Induction for partners:** Shared gender guidelines with the technical and administrative teams of partner institutions that are initiating grants with GEMA, so they can deliver their technical assistance with an equity focus, mainly with the JAA and CODELS.

Environmental compliance

- **EMMPs:** Prepared seven (7) EMMPs, corresponding to the following projects of Results 1 and 2:
 - EMMP – 2017 – 030: Natural fiber entrepreneurship program in Santa Bárbara.
 - EMMP – 2019 – 033: Reduction of threats to biodiversity, forests and water in prioritized micro watersheds in the Mixcure and Opalaca work zones.
 - EMMP – 2019 – 34: Resilience in innovation of the pottery value chain in 12 municipalities in Santa Bárbara.
 - EMMP – 2019 – 035: Support for the management of forest fires and the implementation of the program for the conservation of the western area of Honduras.
 - EMMP – 2019 – 036: Photovoltaic system for tenants in the artisanal market in Intibucá.
 - EMMP – 2019 – 037: Technification of micro enterprises in western Honduras.
 - EMMP – 2019 – 038: Treatment of grey water for restaurants near Lago de Yojoa.
- **Evaluation of Technical and Economic Proposals.** Twelve (12) proposals adjusted and presented by different public and private entities in the context of RFA-0008 (projects for the protection of micro watersheds and areas of biological importance for conservation in western Honduras). An individual evaluation was carried out, and with the evaluation committee, observations and comments were formulated for each of the prioritized technical proposals that will be subject to funding.
- **Training:**
 - Developed a training workshop on the scope of Regulation 216 of USAID, and of PERSUAP, to technicians of the Activity (2 technicians).
 - Followed-up of the professional assistance received through unpaid internship and support, particularly in the elaboration of EMMPs, by the Environmental Engineer Infieri Valeria Durán during the period.
- **Coordination.** Collaborated and offered technical support to GLH and Unidos por la Justicia to train their technicians on the scope and compliance of USAID Regulation 216.

Monitoring and Evaluation

During Q1 I, M&E filtered and cleaned data bases corresponding to results 1 and 2 that contribute to training indicators. Also, the Monitoring and Evaluation Plan for the Higuito Intermunicipal Grant was created, as well as the design of templates for data of active grants during the quarter. An introduction on how to use these templates was given to grantees like Centro Cultural Hibueras and COMUCAP. Flow charts of the process of information of

indicators were elaborated to indicate the path followed by verification means that technicians collect in the field, as well as the processing done by M&E of the data for each indicator. For a better visualization and perception of GEMA's achievements, the unit started a revision and analysis of all data bases, linkage to the Power BI System and generation of dashboards for each indicator.

Recent Actions during Q11:

RI:

- Update of data corresponding to training indicator 1.1.1
 - Revised on line data bases of the components that contribute to the indicator and updated the database of the M&E unit. Also verified the number of trainings and participants in the training module in TAMIS.
 - Created an online folder for the training activities of each grant with Access to individual folders, so they can provide necessary inputs as means of verification to substantiate the activities done in the field.
 - Prepared M&E plans for biodiversity and water governance grants (FUNDAUNAH, ASHO, INCEBIO, ADELSAR, PUCA Foundation, Hermandad de Honduras and ASOMAINCUPACO)
 - Developed induction meeting about the implications of monitoring in grants, for PUCA Foundation, Hermandad de Honduras, Güisayote Municipal Association, Higuito Intermunicipal Council. (Biodiversity, water governance and result 3).

R2:

- Tools for initial, intermediate and final measurement of agricultural and non-agricultural grants
 - Prepared a grant baseline sheet: "Organic fertilizers from pulp and waste water in coffee" executed by COMUCAP.
 - Induction on coffee baseline sheet for grant: "Articulation of local and institutional stakeholders".
 - Collected intermediate measurement data in the field. Data recording sheets were designed for HQC.
 - Adjusted data recording templates for grants that started during Q11, like ASIDE and Centro Cultural Hibueras,
 - Adjusted final measurement sheet for grant: "Strengthening of the avocado and coffee value chains". Created an online data collection tool for non-agricultural activities developed with CDEs; also offered an induction for CDE Santa Barbara on how to fill the sheet.
- Review of the quality of data in grant data bases
 - Revised the data base of the Traditional Medicine and Lenca Culture grant, for which analyses and output tables will be made.
 - Executed the quality control of the data base of the grant implemented by Rainforest Alliance.

R3:

- Update of data of training indicator 3.1.2
 - Received new data from the training activities that contribute to this indicator. The necessary depuration was made to maintain the integrity of the M&E database. Additionally, the trainings and number of participants reported in the training module in TAMIS were verified.
- Elaboration of the Monitoring and Evaluation Plan for grant implemented by Higuito Intermunicipal Council
 - Created the document that describes the contributions that the grant mainly provides to indicators of Result 1 and 3. The document also establishes the interventions and requirements that the M&E unit Will have in the development of the grant, to collect the data it will generate.

Cross Cutting Indicator (gender):

- Update of indicator data
 - This training data base was also updated, filtered and added to the databased managed by M&E. The trainings and number of participants in the training module in TAMIS were also contrasted.

Main Actions for Q12:

R1:

- Promote the Monitoring and Evaluation Plans with grants
- Revise verification means in TAMIS
- Elaborate M&E Plans for new grants on biodiversity and water governance (ASHO, INCEBIO).

R2:

- Provide induction to baseline sheet of organic fertilizers executed by COMUCAP
- Provide induction to baseline sheet for coffee, executed by COCEPRADII
- Support the implementation of closure actions for coffee, avocado and cocoa grants (FUNDER, CDE, CO.HONDUCAFE).
- Systematize experiences in topics of interest related to avocado and cacao.
- Design intermediate measurement sheet and technical assistance card, and follow-up on new coffee producers (COMUCAP).
- Design technical assistance card and hold meeting with MAMCEPAZ to revise the contributions and follow-up to new producers.
- Follow up on the preparation of the coffee baseline report by Rainforest Alliance and ASIDE.

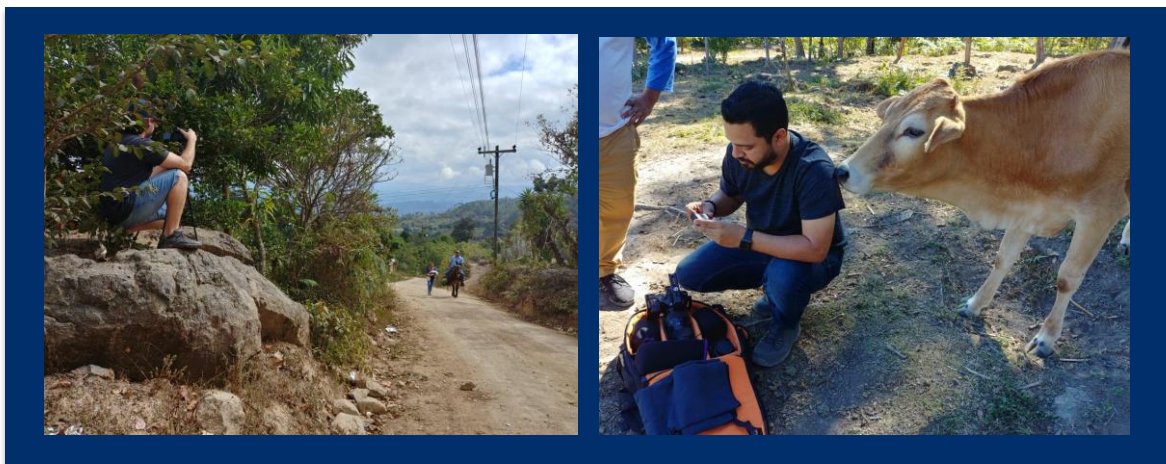
R3:

- Elaborate M&E Plan for grants implemented by MiAMBIENTE
- Update database for indicator 3.1

Communications

- Gender and masculinity videos:
 - Filmed footage for four gender videos in Guacutao, Pinal San Antonio and La Esperanza.

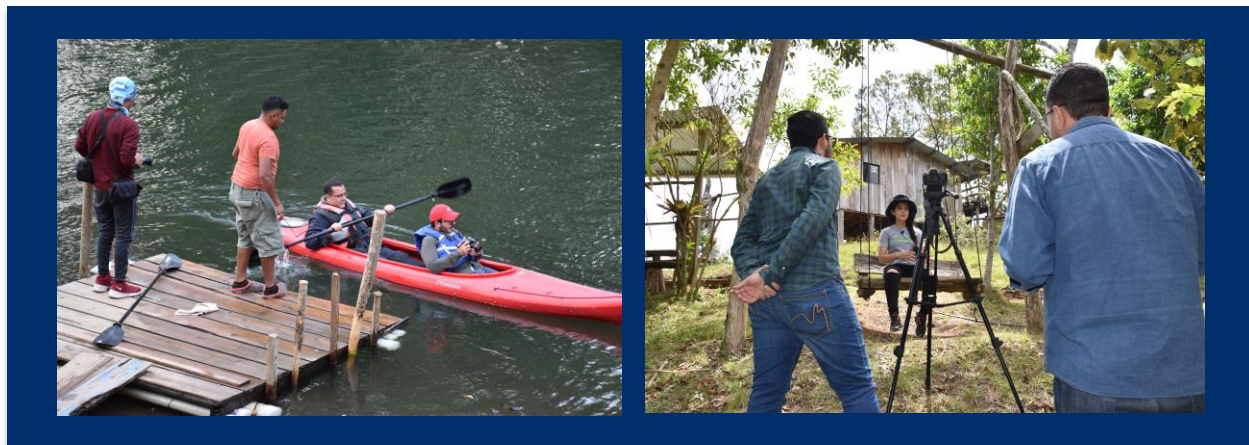
Figure 16. Crew recording gender videos in Pinal San Antonio and Guacutao



- Edited and validated videos with: GEMA authorities, USAID, ONU Mujeres and a focus group.
- Turned in final versions of the 4 videos to GEMA's gender leader. Available in the links:
 - "El hombre, ¿nace o se hace?": https://www.youtube.com/watch?v=_mleK6MCywk
 - "El hombre de la casa": <https://www.youtube.com/watch?v=Z4dCBicXGPA>
 - "Hombres y mujeres en la organización": <https://www.youtube.com/watch?v=9Dtojfy6ow>
 - "Mujer, ¡sí se puede!": <https://www.youtube.com/watch?v=vuLFelad20Q>

- Nature and Adventure videos:
 - Scripted 2 nature and adventure videos
 - Coordinated interviews and filming tour in Lago de Yojoa and Santa Bárbara
 - Filmed footage in Lago de Yojoa and Santa Barbara, capturing the following:
 - Interviews to GEMA and HUPA technicians
 - Interviews to certified tour guides
 - Kayak, spelunking, hiking, rapel and camping activities

Figure 17. Crew recording nature and adventure videos in Lago de Yojoa and Santa Bárbara



- Renewable Energy videos: Scripted 1 renewable energy video on general concepts
- Water governance videos: Defined main ideas for 4 water governance videos and proposed a timeline to the water governance team to produce them.
- Terra-i Honduras:
 - Revised branding in the Terra-I Honduras platform and all final products of the grant.
 - Designed an informative flyer to promote the platform in events and meetings.
- Terra-I Honduras Launching Event:
 - Designed the graphic image for the event
 - Coordinated production of audiovisual and graphic material for the event with CIAT, including:
 - 5-minute video on Terra-i Honduras and its functions (<https://www.youtube.com/watch?v=LUp800xdoAU&t=3s>)
 - 2 1-minute promotional videos of Terra-I Honduras (<https://www.youtube.com/watch?v=AHCUCtRUQgE> and <https://www.youtube.com/watch?v=6cSfUyHHRF0>)
 - Invitation
 - Press release
 - Banner
 - Name badge
 - Podium sign
 - Stand signs
 - Power point template for presentations
 - Souvenir bags
 - Sent invitations to guests and mass media.
 - Followed up on guest and media attendance confirmations.
 - Produced a video loop for the event's main screen.
 - Coordinated logistics for the event with GEMA's operations team.

Figure 18. Terra-i Honduras Related Designs



- **“Tierra Solo Hay Una” Campaign:** Designed a social media campaign to celebrate international earth day during april 2019, and sent the arts for week 1 to USAID to share in their social media sites.

Figure 19. Posts for the “Tierra Solo Hay Una” campaign



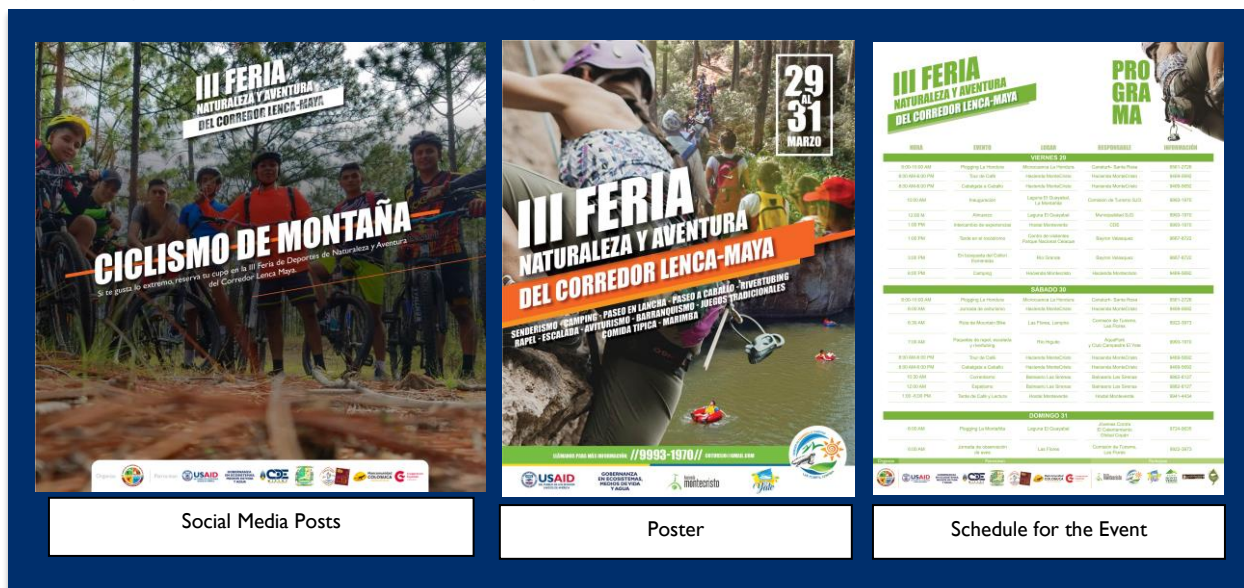
- **Lenca Women Festival:**
 - Designed the graphic image for the event
 - Designed graphic material for the event:
 - Invitation
 - Agenda
 - Poster
 - Press release
 - Letterhead

Figure 20. Graphic Design for the Lenca Women Festival



- International Women’s Day: Produced and edited a summary video of the work done by GEMA’s gender team on masculinity modules for DAI’s international women’s day forum.
- CICOH: Edited a video tutorial on how to use the platform (https://www.youtube.com/watch?v=xWmVZt_L4Vk&t=10s) and an informative flyer.
- Regional Event: I Central American Encounter of Biosphere Reserves.
 - Designed the corporate image for the event
 - Designed graphic material:
 - Letterhead
 - Press Release
 - Agenda
 - Invitation
 - Power point template
- III Nature and Adventure Sports Fair:
 - Designed the graphic image for the event
 - Designed graphic material for the event:
 - Invitations
 - Agenda
 - Name badge
 - Poster
 - Designed and published a social media campaign to promote the event.

Figure 21. Graphic design for the III Nature and Adventure Sports Fair



- **Santa Barbara Grants Launching Event:** Designed and printed a bifold with information of 9 new grants in Santa Barbara and other tools, and projects executed by GEMA in the zone.
- **Other requests from Results:**
 - Revised, designed and printed diploma for the closure of the certification program of nature and adventure sport guides.
 - Designed and printed stickers for legal personality folders delivered to water boards.
 - Revised training books produced by CDE MIPYME ROC on financial practices, business legalization, marketing and sales, customer service, administration and accounting, ICTs, associativity, and technology.
- **Activity’s Visibility:** Supplied regional offices with materials they needed for trainings and events- brochures, folders, banners, backdrop, USB’s, notepads and pens.
- **Periodic Reports and Publications:** Produced a total of 5 biweekly updates (Spanish and English versions), 2 success stories (Spanish and English version), 11 weekly reports and Q10 report.
- **Social Media:**
 - Facebook: 40 posts, +245 likes (1,678 total), +254 follows (1,729 total), +1,513 reactions (likes, shares and comments), 62,549 people reached
 - Instagram: 26 posts, +22 followers (194 total)
 - Twitter: 6 posts, 108 followers

Geographic information systems

- **RIOS Module:** Conducted the RIOS module test focused on “Erosion control for water quality for human consumption and nutrient retention (N, P)” in the priority micro watersheds in the Lago de Yojoa area of influence.
- **Terra-I Contract:**
 - Reviewed the second and third version of the map of land coverage in GEMA’s areas of influence created by CIAT, which was the fourth deliverable in the Terra-i Honduras contract.
 - Presented Terra-i Honduras in the Second Gathering of Geographic Information Specialists organized by USAID Honduras.
 - Trained 77 key stakeholders on “Monitoring of early alerts of changes in coverage generated by the Terra-i Honduras platform” in Siguatepeque (Comayagua), San Marcos (Ocotepeque) and Gracias (Lempira). Co-managers, Municipal Environmental Units, the National University of Forestry Sciences, Water Management

Boards, ICF forestry regions, International Cooperation Projects and Municipal Associations attended the training.

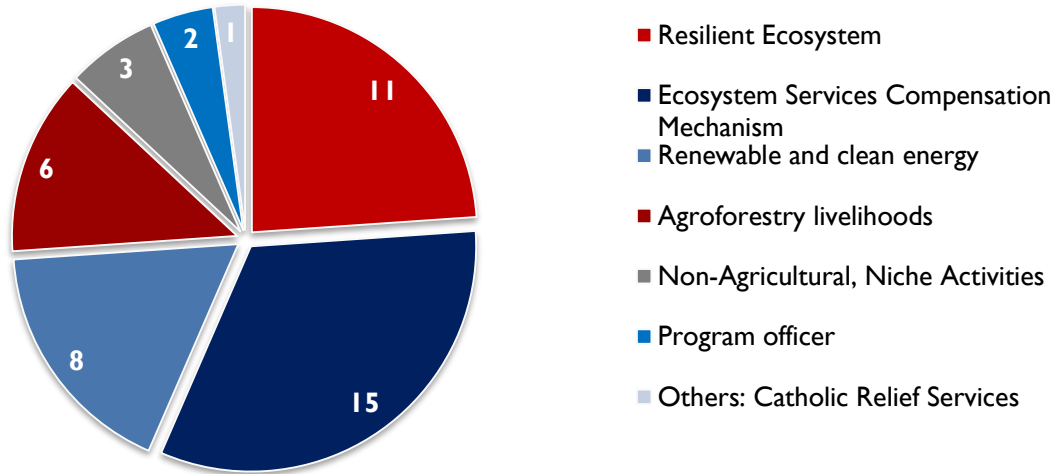
Figure 22. Terra-i training sessions in Ocoatepeque and Lempira



- **Databases:**
 - Updated the online data bases for RI activities, seeking to organize geographic information, verify the state of compliance of indicators and create updating inputs for the MyMaps platform for the quarter.
 - Revised the geographic data of the databases and prepared maps for the renewable energy systems installed during the current quarter in the areas of influence of the Activity.
- **Elaboration of maps:** Two (2) maps of the Montaña Verde and Las Trancas micro watersheds, which will be used in the document of procedures for the declaration of micro watersheds that have been prepared.
- **Support to results:** Received 18 requests and created 45 maps for GEMA results and other projects, including Catholic Relief Services.
- **Vulnerability of Farms:** Elaborated a model of vulnerability of coffee farms to the effects of climate change in the Celaque-Puca area of influence.

Graph 3. Maps requested by GEMA Results for Q1 I

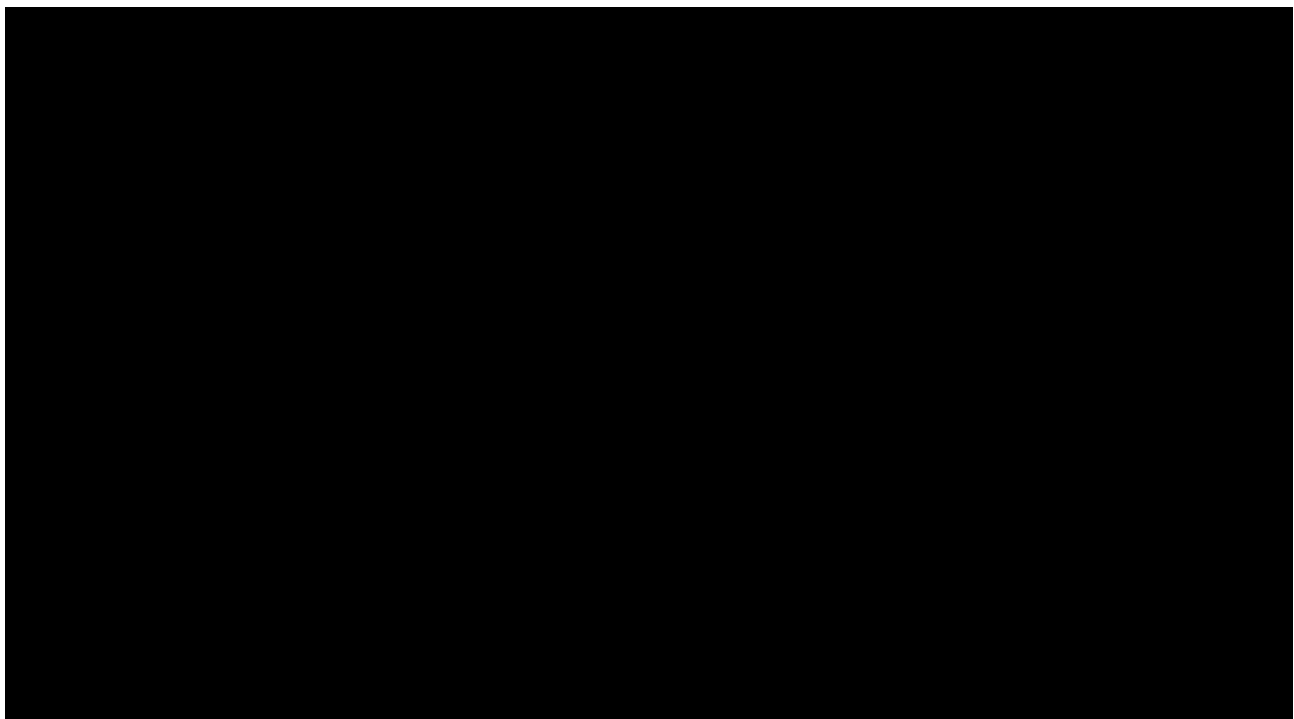
Maps requested by GEMA Results



V. ACTIVITY MANAGEMENT

STAFFING

During this quarter, the following movements and activities occurred within the organizational structure:



Other relevant activities

- Los/as empleados/as comenzaron a gozar del beneficio RAPIFACIL ofrecido por el Régimen de Aportaciones Privadas (RAP).

LTAA AND STTA

The following tables provide detailed information of January through March 2019, describing GEMA's long term staff and consultants.

Long term technical assistance (LTAA) for Q11

Below is a table describing the long-term technical assistance contracted from January-March 2019:

Table 15. Long Term Technical Assistance (LTAA) for Q11

Name	Position	Responsibilities	Reports to	Base
[Redacted content]				

Short term technical assistance (STTA) for Q1a

Below is a description of the short term technical assistance contracted for January-March 2019:

Table 16. Short Term Technical Assistance (STTA) for Q1 I

Name	Position	Responsibilities	Reports to	Base

In addition, USAID approved the following requests:

- Request for international travel approval para Ángela Arévalo for the period March 20th to March 31st to support the team to facilitate the Collaborating Learning Adapting (CLA) process within the Activity and improve the capturing of results and lessons.

Sub-contracts for Q1 I

Below is a description of the sub-contracts (through the signature of Fixed-Price Purchase Orders) awarded from January-March 2019:

Table 17. Sub-Contracts for Q1 I

Subcontractor's name	Process's name	Responsibilities	Reports to	Base
Tecnosol de Honduras S.A. de C.V.	Low cost photovoltaic system acquisition	Provide agreement systems in accordance with technical specifications.	Renewable Energy & P+L Field Coordinator	Tegucigalpa
HONTRADE S. de R.L.	Ceramics acquisition for improved stoves placing	Provide agreement systems with technical specifications.	Renewable Energy & P+L Field Coordinator	San Pedro Sula
Muebles Royel	Improved stoves kits acquisition	Provide improved stoves kits in accordance with technical specifications.	Renewable Energy & P+L Field Coordinator	Gracias, Lempira

Grants for Q11

Below is a description of the grants awarded from January-March 2019:

Table 18. Grants for Q11

Grantee's name	Process's name	In response to	Reports to	Implementation period
Güisayote Municipal Association	Biodiversity management and protection in hydric reloading areas, in the municipalities of La Fraternidad, Sinuapa y La Labor, Ocotepeque, with Guisayote Municipal Association.	Request for Applications No. RFA-0008	Water Management Specialist	From January 1 st , 2019; to June 30 th , 2020
Higuito Intermunicipal Council	Integral management of natural resources in water production zone of Cerro Cocoyagua, located in 5 partner municipalities in Higuito Intermunicipal Council's territory.	Request for Applications No. RFA-0008	Water Management Specialist	From January 1 st , 2019; to June 30 th , 2020
INCEBIO	Community participative monitoring of felines, their prey and ecosystem services of bats in areas of biologic importance as well as micro watersheds in western Honduras.	Request for Applications No. RFA-0008	Ecosystem Specialist	From January 1 st , 2019; to December 31 st , 2020
COMUCAP	Biodiversity conservation and water quality improvement throughout organic fertilizer based on pulp and coffee waste water.	Program Description No. PD-0012	Sustainable Enterprise Senior Specialist	From January 15 th , 2019; to July 14 th , 2020
COPECO	Honduras meteorology, climatic and hydrological data base strengthening as well as repowering weather stations prioritized and administrated by CENAOS/COPECO in western Honduras.	Program Descriptions No. PD-0011 y PD-0013	Climate Change Specialist	From January 21 st , 2019; to December 20 th , 2019
PUCA Foundation	Local stakeholders strengthening on resilience empowerment and threat reduction of conservation objects in vulnerable areas in Refugio de Vida Silvestre Puca.	Request for Applications No. RFA-0008	Water Management Specialist	From February 18 th , 2019; to August 21 st , 2019
PAG	Supporting forest-fire handling and Jóvenes para la Conservación (JPCH) program implementation in western Honduras.	GEMA's Rapid Response Fund	Deputy director	From February 22 nd , 2019; to August 21 st , 2019
MIAMBIENTE	Repowering weather stations networks that are prioritized and administrated by MIAMBIENTE in western Honduras.	Program Description No. PD-0013	Climate Change Specialist	From March 1 st , 2019; to December 31 st , 2019
Asociación Hermandad de Honduras	Community management for the construction of more resilient communities in Reserva Biologica Guisayote.	Request for Applications No. RFA-0008	Climate Change Adaptation and Disaster Risk Reduction team leader.	From March 1 st , 2019; to August 31 st , 2020
ASHO	Bird monitoring as a health indicator of prioritized ecosystem in western Honduras	Request for Applications No. RFA-0008	Ecosystem Specialist	From March 1 st , 2019; to June 30 th , 2020
MAPANCE	Water governance improvement in Parque Nacional Montaña de Celaque influence area throughout community organization strengthening in micro watersheds and prioritized areas management.	Request for Applications No. RFA-0008	Water Management Specialist	From March 11 th , 2019; to March 11 th , 2020
Güisayote Municipal Association	Contribution to threat reduction, water quality and biodiversity processes with a participative focus on Refugio de Vida Silvestre Erapuca micro watershed.	Request for Applications No. RFA-0008	Water Management Specialist	From March 11 th , 2019; to September 11 th , 2020

Grantee's name	Process's name	In response to	Reports to	Implementation period
CDE MIPYME SANTA BARBARA REGION	Ecological micro-entrepreneurs' modernization in Santa Bárbara region.	Program Description No. PD-0018	Tourism, Economic Opportunities and Sustainable Enterprise Specialist	From March 11 th , 2019; to March 11 th , 2020
Centro Cultural Hibuera	Resilience and innovation on pottery chain value in 12 municipalities of Santa Bárbara.	Program Description No. PD-0016	Tourism, Economic Opportunities and Sustainable Enterprise Specialist	From March 14 th , 2019; to September 13 th , 2020
COCEPRADII	Water, forest and biodiversity threat reduction in prioritized micro watersheds in Mixcure and Opalaca work areas.	Program Description No. PD-0017	Water Management Specialist	From March 14 th , 2019; to September 13 th , 2020
PAG	Promote water governance processes that contribute with the conservation and protection of Varsovia micro watershed in Lago de Yojoa work area.	Request for Applications No. RFA-0008	Water Management Specialist	From March 14 th , 2019; to June 13 th , 2020
Multiple Services Company Montaña de Vida	Integrate community protection and management on areas of biological and hydrological importance in the upper area of Río Blanco watershed inside Parque Nacional Montaña de Santa Bárbara.	Request for Applications No. RFA-0008	Water Management Specialist	From March 14 th , 2019; to June 13 th , 2020
MUNASBAR	El Volcán micro watershed conservation to improve water production capacity.	Request for Applications No. RFA-0008	Water Management Specialist	From March 14 th , 2019; to June 13 th , 2020
Water Administration Board Aldea Monte de La Virgen	Ecosystems goods and services compensation mechanisms management and implementation for threat reduction on conservation objects throughout community participation in Río Blanco micro watershed	Request for Applications No. RFA-0008	Water Management Specialist	From March 14 th , 2019; to June 13 th , 2020
Lenca Eramaní Municipal Association	Promote local participative sustainable management in process development and instruments that ease water governance, under the concept of ecosystem services compensation mechanism of Anillo Verde.	Request for Applications No. RFA-0008	Water Management Specialist	From March 14 th , 2019; to June 13 th , 2020
CDE MIPYME WESTERN REGION	Business strengthening and an improvement in productive modernization with an ecological and conservation focus in 120 micro-entrepreneurs' in western Honduras.	Program Description No. PD-0018	Tourism, Economic Opportunities and Sustainable Enterprise Specialist	From March 14 th , 2019; to June 13 th , 2020

MAIN RESULTS DURING Q1 I

- **Capacity strengthening:**
 - Developed workshops on administrative, operational and logistical topics for personnel in the 3 regional offices.
 - 6 members of the administration, operations and finances team received the shopping course given by Home Office.
- **Information Technology:**
 - Configured Logitech equipment for video conference in Tegucigalpa and Santa Rosa de Copan offices; configured Polycom equipment for conference calls.

- Trained leaders and personnel in regional offices on P Drive (saving information of final reports in shared files in the server), as a policy in the Field Operation Manual. Also trained them in the use of Freshservice to request IT support, TAMIS, Bomgar (for remote IT support), and Ping ID.
- **Improvements:**
 - Collected information of electrical power inverters in regional offices (Santa Rosa and La Esperanza) to guarantee operations during electric power interruptions, using the investor's battery bank.
 - Corrected connectivity issues in La Esperanza and Santa Rosa de Copan, improving the quality of the service for users.
- **Information Management:**
 - Created a content filtering policy to restrict Access to sites that are not work related.
 - Supported M&E team to improve the efficiency of safe information sharing with grantees through OneDrive, filtering permissions by folder.
 - Carried out IT evaluations for COPECO and CUROC grants.
 - Managed access of Zamorano personnel so they can interact with GEMA via TEAMS.

PROCUREMENT

The following table shows all non-expendable procurement invoiced to USAID during Q11:

Table 19. Non-expendable Procurement Invoiced in Q11

Description	Unit Cost (USD)	Quantity	Price (USD)	Bill Amount (USD)

EXPECTED ACTIVITIES FOR THE NEXT QUARTER (Q12)

Long Term Technical Assistance (LTTA) for Q12

Table 20. Long term technical assistance foreseen to be hired for the second quarter of 2019

Name	Position	Responsibilities	Reports to	Base

Short Term Technical Assistance (STTA) for Q12

Table 21. Short term technical assistance foreseen to be hired for the second quarter of 2019

Name	Position	Responsibilities	Reports to	Base

Sub-contracts for Q12

Table 22. Sub-contracts (through the signature of Fixed Price Purchase Orders) planned for the second quarter of 2019

Subcontractor's name	Process's name	Responsibilities	Reports to	Base

Grants for Q12

Table 23. Grants (through the signing of Grant Agreements of Fixed Amount) to be awarded during the second quarter of 2019

Grantee's name	Process's name	In response to	Reports to	Implementation period
COCAFELOL	Clean energy for high-quality coffee	Program Description No. PD-0015	ER & P+L Specialist	TBD
PRR	Staple grains and seeds production strengthening to 20 producer organizations in Lago de Yojoa region throughout grain-drying technology.	Program Description No. PD-0014	ER & P+L Specialist	TBD
PILARH Association	Business strengthening and productive modernization improvement.	Program Description No. PD-0018	Tourism, Economic Opportunities and Sustainable Enterprise Specialist	TBD
Lenca Eramani Municipal Association	Photovoltaic system for tenants in craft market of Intibucá.	Program Description No. PD-0019	ER & P+L Specialist	TBD
Association of fish sellers of Lago de Yojoa (ASVPLG)	Gray water treatment in restaurants on the banks of Lago de Yojoa	Program Description No. PD-0020	ER & P+L Specialist	TBD
COPRAUL	Soil conservation in Tepezcuintle micro watershed throughout production and incorporation of organic fertilizers and foliage being horticultural waste based.	Program Description No. PD-0021	ER & P+L Specialist	TBD

Grantee's name	Process's name	In response to	Reports to	Implementation period
ADEC	Water quality	Request for Applications No. RFA-0008 Rapid Response Fund	Water Management Specialist	TBD
Chamber of Tourism	Equipment for nature and adventure sports practicing.	TBD	Deputy Director	TBD
TBD	Sugar cane evaporators	TBD	Sustainable Enterprise Senior Specialist	TBD

VI. FINANCIAL REPORT

Table 24. Invoiced to Date: Q11

Invoiced to Date: Q11					
Contract Cost Element	Project Contract Total Cost	Jan-19	Feb-19	Mar-19	Total Q11 Expenditures

Table 25. Projections: Q12

Projections: Q12					
	Project Contract Total Costs	Apr-19	May-19	Jun-19	Total Q12 Projections

Table 26. Cost Allocation by Gender and Rapid Response Fund

Cost Allocation by Gender and Rapid Response Fund*							
	Q11 Invoiced to Date			Q12 Projected			Total Estimated Cost
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	

*Notes: These are approximate totals allocated across Intermediate Results per the contract.

Table 27. Level of Effort Invoiced to Date: Q11

Level of Effort Invoiced Q11				
	Q11 Invoiced			Total Cost
	Jan-19	Feb-19	Mar-19	

*Notes: LOE levels taken from USAID invoice labor summary pages at end of invoice

Table 28. HO STTA

Name	Assignment	Dates in Honduras	Estimated Cost

VII. ANNEXES

ANNEX I. GOH CONTRIBUTIONS Q11

Table 29. GOH Contributions Q11

Collaboration	Balance Before		Contribution during Q11		Total Accumulated		Observations
	Cash (L)	In Kind	Cash (L)	In Kind	Cash (L)	In Kind	
Renewable and Clean Energy adopted							

Collaboration	Balance Before		Contribution during Q I I		Total Accumulated		Observations
	Cash (L)	In Kind	Cash (L)	In Kind	Cash (L)	In Kind	

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Collaboration	Balance Before		Contribution during Q I I		Total Accumulated		Observations
	Cash (L)	In Kind	Cash (L)	In Kind	Cash (L)	In Kind	
Result 3 - Increased Vulnerable Population's Capacity to Adapt to Climate Variability and Change							

ANNEX 2. INTEGRATION MATRIX INCLUDING USAID DO2 IPS (Q I I)

Table 30. Integration Matrix including USAID DO2 IPS (Q I I)

N°	Integration Event/Actions	Objectives	Planned Number	Activity Integrated with	Date(s) implemented this Quarter
Coordination Meetings					
Resilient Ecosystems					
I	Coordination meeting between MAPANCE-PROCELAQUE; GLH Copán and Lempira	First meeting to work jointly on the formulation process of a water and sanitation regional policy for La Mirona & El Suptal. Result/agreement: policy guidelines were established and there was also agreement in the participative process stages for its elaboration.		GLH Copán and Lempira; MAPANCE PROCELAQUE	Feb. 08, 2019

2	Coordination meeting between MAPANCE-PROCELAQUE; GLH Copán & Lempira	Second meeting to work jointly on the formulation process of water and sanitation regional policy for La Mirona & El Suptal. Result/agreement: there was a settlement on the process leadership, which will be taken care of by MAPANCE-PROCELAQUE, GLH would work on a situational diagnostic and GEMA would work on the biophysics description. Also established an activity calendar for February-April 2019.		GLH Copán and Lempira, MAPANCE PROCELAQUE	Feb. 15, 2019
Water Governance					
1	Meeting with mayors of water producing and forest vocation zone "La Mirona y El Suptal"	The aim was to show the actions that USAID's activities are doing in Forest Vocation and Water Producing Zone "La Mirona & El Suptal" presenting an analysis of the zone needs and collaboration agreements between municipalities as part of a territorial public policy that ensures an efficient management of such important water source. There was participation from mayors Daniel Deras Benitez from Talgua and Wilfredo Cáceres Argueta from Las Flores. <ul style="list-style-type: none">Result/agreement: To support a formulation on water and sanitation regional policy that gets rectified by each town hall.		USAID Gobernabilidad Local de Honduras (GLH Copán y Lempira); MAPANCE PROCELAQUE	Jan. 16, 2019
2	Workshop with MAPANCE y GLH	<ul style="list-style-type: none">Exchange of aid packages given by GLH and GEMA to JAAsKnowledge and format standardization for accountability reports and other tools used by JAAs that are a part of PN CelaqueDefining roles, responsibilities and areas of action of MAPANCE-PROCELAQUE, GLH and GEMADefining simple ways to incorporate the concept of Man and Biosphere Reserves in communities (JAA), in actions carried by GLH and GEMA.		MAPANCE. GLH	Jan. 8, 2019
Renewable Energy					
1	Exchange of information	Exchange of information with PODER continued, regarding enterprises in Santa Bárbara that can be benefitted with firewood saving systems.	74 enterprises were presented. It is expected that at least 49 will be benefitted depending on the costs of the system.	PODER	March 14, 2019
Gender					
1	Tools manual elaborated by GEMA	A manual about masculinity was shared for training purpose to municipality personnel attended by GLH.		GLH	Feb. 12, 2019
2	Masculinity and enterprise leadership videos.	Topics and scripts establishment for the elaboration of videos with UN Women		UN Women	January 2019
3	Work meeting with Alianza para el Café personnel	Points in common identification process for posterior field activities coordination of both projects	1	Alianza para el Café	January 2019
Other Integration Events					
Resilient Ecosystems					
1	Interinstitutional coordination meeting with ADELSAR under G-TEG-020 ADELSAR grant	Meeting with the aim of evaluating activities linked to ADELSA and USFS grants, as well as a prevention plan. Result/agreement: It was settled the encouragement of a meeting between all institutions involved for role defining and further actions.		ADELSAR; Santa Rosa de Copán municipality; ICF Western-Copan Regional Office; GEMA; USFS-IP	Feb. 19, 2019

2	Interinstitutional coordination meeting with ADELSAR	Meeting with the aim coordinating actions between ADELSAR, ICF, GEMA and USFS-IP, regarding prevention activities and firefighting, the creation of an awareness and prevention culture in Santa Rosa de Copán municipality. Result/agreement: there was a settlement on working jointly for the stimulation of a proper interinstitutional coordination regarding ADELSAR and USFS grants, as well as a prevention plan implementation. Upcoming activities were defined and a role to play for each entity.		ADELSAR; Santa Rosa de Copán municipality; ICF Western-Copan Regional Office; GEMA; USFS-IP	Feb. 19, 2019
3	Interinstitutional coordination meeting with ADELSAR	First coordination meeting for the creation of the Ambiental Mascot for Santa Rosa de Copán, as part of the awareness actions on behalf of the G-TEG-020 ADELSAR grant. Result/agreement: analyses were made about the advantages and disadvantages, so as the proposal of initial guidelines for the process.		ADELSAR; COCAM; Santa Rosa de Copán municipality; ICF Western-Copan Regional Office; GEMA; USFS-IP; UPN-FM-SRC; PROCAMBIO; GIZ	Feb. 26, 2019
4	Interinstitutional coordination meeting with ADELSAR	Second meeting related to the creation of the Ambiental Mascot for Santa Rosa de Copán, as part of the awareness actions on behalf of the G-TEG-020 ADELSAR grant. Result/agreement: Social consultation results were revised, so were the contest rules.		ADELSAR; ICF Western-Copan Regional Office; GEMA; USFS-IP; UPN-FM-SRC; MiAmbiente; PROCAMBIO; GIZ	Mar. 12, 2019

ANNEX 3. COLLABORATION WITH OTHER PROJECTS NOT INCLUDING USAID DO2 IPS

Table 31. Colaboration with other projects not including usaid do2 ips (Q11)

GEMA Result	Other donors	Collaboration
R1.3 Renewable and clean energy	AECID – COLOSUCA	<ul style="list-style-type: none"> They financed the installation of the firewood saving systems prototypes at Gracias Local RE Center They will finance the installation of firewood saving systems in enterprises in COLOSUCA They will provide funding to implement the environmental plans from enterprises implementing CP in their area of influence (COLOSUCA).
	ASOCIALAYO and PRR	PRR presented an application for solar dryers that will benefit 240 producers of ASOCIALAYO.
	COCAFELOL	COCAFELOL presented an application for solar dryers that will benefit 80 coffee producers.
	Municipality of Intibucá / Lenca Eramaní Municipal Association	The Municipal Association presented an application for a SFV that will benefit 200 enterprises in the Artesanal Market. The municipality will be collaborating with the sustainability of the system.
	COPRAUL	COPRAUL is preparing an application for a composting system to reduce synthetic fertilizers in vegetable plantations in Tepezcuinte micro watershed that will benefit 146 producers.
	Asociación de Venta de Pescado Lago Yojoa	The Association is preparing an application to upgrade the water treatment plant to receive the grey waters of 55 enterprises
	Municipalities of Santa Bárbara (Santa Bárbara), Taulabé (Comayagua), Intibucá (Intibucá), Santiago de Puringla (La Paz), La Iguala (Lempira), Trinidad, La Unión, Santa Rosa de Copán (the three later in	Cost – sharing agreements have been defined for 1,300 improved stoves.

	Copán), and Sinuapa (Ocotepeque).	
R2 Agroforestry	HEIFER	Technical support for the development of three training events related to an integrated management for coffee growing with producers benefiting from the sustainable management of coffee farms in Río Mejocote sub watershed grant.
R3	ASOMAINCUPACO	Coordination meetings, progress review, planification and execution/support in operational field activities implemented under the framework of the grant.
	Lenca Eramani Municipal Association	Coordination meeting with technical personnel from the Municipal Association and colleagues from Result 1 (Water Governance) to review and adjust the document for grant proposal approved to Lenca Eramani Municipal Association.

ANNEX 4. RESILIENT ECOSYSTEMS-PARTICIPATION IN TECHNICAL COMMITTEE FOR GRANTS

Table 32. Resilient ecosystems participation in technical committee for grants

Proposals Evaluated under Program Descriptions			
#	Organization (submitter)	Proposal	Area of Influence
1	Centro Cultural Hibueras	Resilience and innovation on pottery value chain in 12 municipalities of Santa Bárbara.	<ul style="list-style-type: none"> • Micro watersheds: Cancique, Cianuro, Río Blanco and Aguagua. • Municipalities: Santa Bárbara, Arada, Ceguaca, Concepción del Sur, El Nispero, Ilima, Gualala, Nuevo Celilac, San Francisco de Ojuera, San José Colinas, San Pedro Zacapa; and San Vicente Centenario. • Department: Santa Bárbara. • Area of Influence: Lago de Yojoa.
2	COCEPRADII	Threat reduction to biodiversity, forest and water in prioritized micro watersheds in Mixcure and Opalaca work area.	<ul style="list-style-type: none"> • Micro watersheds: Río Mixcure, Sirima; • Municipalities: Isidro, Jesús de Otoro. • Department: Intibucá. • Micro watersheds: Río Lajas, Río Conchagual, Río Jagua. • Municipalities: Belén, La Iguala, San Francisco de Opalaca, San Juan. • Department: Lempira and Intibucá • Area of Influence: Opalaca – Montaña Verde.
3	COPECO	Honduras meteorology, climatic and hydrological data base strengthening as well as radio communication equipping.	<ul style="list-style-type: none"> • Municipality: Santa Bárbara. • Department: Santa Bárbara. • Area of Influence: Lago de Yojoa. • Municipality: La Paz • Department: La Paz • Area of Influence: El Jilguero – Guajiquireo. • Municipality: Gracias. • Department: Lempira. • Area of Influence: Biosfera Cacique Lempira. • Municipality: Nueva Ocotepeque. • Department: La Paz. • Area of Influence: Güisayote – El Pital.
4	COPECO	Repowering network of weather stations prioritized and administrated by CENAOS/COPECO in western Honduras.	<ul style="list-style-type: none"> • Municipality: Santa Bárbara. • Department: Santa Bárbara. • Area of Influence: Lago de Yojoa. • Municipality: La Paz. • Department: La Paz • Area of Influence: El Jilguero – Guajiquireo. • Municipality: Gracias. • Department: Lempira • Area of Influence: Biosfera Cacique

			<ul style="list-style-type: none"> Lempira. Municipality: Nueva Ocotepeque. Department: La Paz. Area of Influence: Güisayote – El Pital
5	MIAMBIENTE	Repowering network of weather stations prioritized and administrated by MIAMBIENTE in western Honduras.	<ul style="list-style-type: none"> Municipalities: La Flecha, Chinda, Macuelizo, Naranjito and Quimistán. Department: Santa Bárbara. Area of Influence: Lago de Yojoa Municipalities: Belén Gualcho, La Unión and La Campa. Departments: Ocotepeque, Copán and Lempira. Area of Influence: Biosfera Cacique. Municipalities: San Marcos Ocotepeque, Sensenti, La Fraternidad. Department: Ocotepeque. Area of Influence: Güisayote – El Pital Municipalities: Nueva Arcadia and La Florida. Department: Copán. Area of Influence: none.
6	PAG	Threat reduction to biodiversity, forest and water in prioritized micro watersheds in Parque Nacional Azul Meámbar (PANACAM) and Parque Nacional Montaña de Santa Bárbara (PANAMOSAB) linked to Lago de Yojoa work area.	<ul style="list-style-type: none"> Micro watersheds: Río Cancique, Río Helado; Quebradas El Barbasco, La Danta, El Zuntulin, Ceguaca, Río Blanco-Quebrada La Quebradona, Río Aguagua, Río Varsovia, Río Yure. Municipalities: Santa Bárbara. San Pedro de Zacapa, Concepción del Sur, Las Vegas, Arada, San Vicente Centenario, Taulabé, Santa Cruz de Yojoa, Siguatepeque, Meámbar. Departments: Santa Bárbara, Cortés, Comayagua. Area of Influence: Lago de Yojoa.
7	COCAFELOL	Solar dryers for producers in prioritized micro watersheds of Copán, Lempira and Ocotepeque.	<ul style="list-style-type: none"> Micro watersheds: Río Hondo, Las Balanzas, Ídolo, Tepezcuintle, Coyol, Quebrada Grande, Carretos, Chayel, Río Aruco. Municipalities: La Labor, Sensenti, Lucerna, San Marcos, San Francisco del Valle, Belén Gualcho, Fraternidad, Dolores Merendón, Sinuapa, Talgua; La Unión. Departments: Ocotepeque, Lempira, Copán. Area of Influence: Güisayote – El Pital, Cacique Lempira Biosphere, Erapuca.
8	USFS	Preservation plan implementation against forest fires in Santa Rosa de Copán and brigades training against forest fire.	<ul style="list-style-type: none"> Micro watersheds: La Hondura, Yumagual and forest areas near the city. Municipality: Santa Rosa de Copán. Department: Copán. Area of Influence: Santa Rosa de Copán.

Proposals presented under RFA 008 and 009

#	Organization (submitter)	Proposal	Area of Influence
1	PILARH	Community capacity strengthening in risk reduction and introduction of healthy practices for the Quebrada Grande micro watershed, Lempira.	<ul style="list-style-type: none"> Micro watersheds: La Mirona El Suptal, Quebrada Grande. Municipalities: Las Flores, Talgua. Department: Lempira. Area of Influence: Cacique Lempira Biosphere
2	Asociación Hermandad de Honduras – ONGD (HDH-ONGD)	Community management for the construction of more resilient communities in the Güisayote Biological Reserve.	<ul style="list-style-type: none"> Micro watersheds: Río Hondo, Golondrinas, Las Balanzas, Tepezcuinte, Municipalities: Fraternidad, La Labor, San Marcos, San Francisco and Mercedes. Department: Ocotepeque.

			<ul style="list-style-type: none"> • Area of Influence: Güisayote – El Pital.
3	OCDIH	Contributing to environmental management of local stakeholders related to Río Plata micro watershed for element protection of water system on an integral focus.	<ul style="list-style-type: none"> • Micro watersheds: Río Plata. • Municipalities: Belén and San Juan. • Departments: Lempira e Intibucá. • Area of Influence: Opalaca – Montaña Verde.
4	PAG	Promote Water Governance processes that contribute to the protection and conservation of Varsovia micro watershed in the Lago de Yojoa work area.	<ul style="list-style-type: none"> • Micro watershed: Río Varsovia. • Municipalities: Taulabé and Siguatepeque. • Department: Comayagua. • Area of Influence: Lago de Yojoa.
5	Multiple Services Company Montaña de Vida	Integrating management and community protection on areas of biological and hydrological importance in the upper area of Río Blanco watershed inside Parque Nacional Montaña de Santa Bárbara.	<ul style="list-style-type: none"> • Micro watershed: Río Blanco. • Municipalities: Santa Bárbara and Santa Cruz de Yojoa. • Departments: Santa Bárbara and Cortés. • Area of Influence: Lago de Yojoa.
6	ASHO	Bird monitoring as a health indicator in 7 prioritized ecosystems in western Honduras.	<ul style="list-style-type: none"> • Municipalities: Santa Rosa de Copán, Veracruz, San Juan de Opoa, Gracias, Lempira, Las Vegas, Santa Bárbara, Guajiquire, Marcala, Jesus de Otoro. • Departments: Copán, Lempira, Santa Bárbara, La Paz, Intibucá. • Area of Influence: Cocoyagua, Biosfera Cacique Lempira; Lago de Yojoa; El Jilguero-Guajiquire; Montecillos.
7	MUNASBAR	El Volcán micro watershed conservation to enhance water production capacity.	<ul style="list-style-type: none"> • Micro watershed: El Volcán, La Arada, Los Planes, Los Dantos, Caulotales, • Municipalities: Santa Bárbara. • Departments: Santa Bárbara. • Area of Influence: Lago de Yojoa
8	MANVASEN	Improvement in life quality, water resource and natural resources for ecological integrity and landscape connectivity between Reserva Biológica Volcán Pacayita and Reserva Biológica Güisayote.	<ul style="list-style-type: none"> • Micro watershed: Cerro Negro. • Municipalities: San Marcos, San Francisco, Mercedes. • Department: Ocotepeque. • Area of Influence: Güisayote – El Pital.
9	Güisayote Municipal Association	Contribution to water quality and biodiversity threat reduction processes with a participative focus in Refugio de Vida Silvestre Erapuca micro watershed.	<ul style="list-style-type: none"> • Micro watersheds: Jocomico, Cerro Negro, El Naranjo, San José, Río Hondo, El Camalote, Guanijiquil, El Cacao, and Palania. • Municipalities: La Unión, Lucerna, La Encarnación. • Department: Copán, Ocotepeque. • Area of Influence: Erapuca.
10	Güisayote Municipal Association	Management and protection of biodiversity in hydric reloading areas, in municipalities of Fraternidad and La Labor Ocotepeque in Güisayote Municipal Association.	<ul style="list-style-type: none"> • Micro watersheds: Quebrada Oscura, Río Chimis, Río Ídolo, Tepescuintle. • Municipalities: Fraternidad, La Labor, Sinuapa. • Department: Ocotepeque. • Area of Influence: Güisayote – El Pital.
11	Puca Community Foundation	Local stakeholders strengthening for threat reduction of conservation objects in vulnerable zones in Refugio de Vida Silvestre Montaña de Puca.	<ul style="list-style-type: none"> • Micro waterwsheds: El Órgano I, El Órgano 2, El Jutal, Mitiora y el Caralito, Quebrada Honda, La Cumbre II, Las Manzanas, Pezote II, Aguas Tibias, Plan de Leones, El Guamal, Cuabano, Güergüence, Cajé, Ciruela, El Suptal, El Caral. • Municipalities: Las Flores, La Iguala. • Department: Lempira. • Area of Influence: Cacique Lempira Biosphere
12	MAPANCE-PROCELAQUE	Water Governance improvement in Parque Nacional Montaña de Celaque influence area throughout community organizations	<ul style="list-style-type: none"> • Micro watersheds: Plan del Zacatal, el Sucte, Cerro El Zacatal, Río Grande, Río Arcilaca, El Cipresal, Las Bases,

		strengthening on micro watersheds and prioritized areas management.	<p>Conrroro, Yaguihsera, El Rancho, Quebrada La Chimis, Malsincales, Gualchuruga, San Bartolo, Montaña Camapara, Guaca, Río Arcagual, El Quetzal, Arcilaca, La Quebradona, Río Colorado, Campuca, Celaque, Río Blanco, Río Cospa, Qda. Campuca, Los Yames, Las Ventanas, La Camotera, Qda. Grande, El Planon, Guapinol, Piedra del Lirio, El Cutal, Canada Grande, El Zanate, Agua Fría, El Remolino I, Las Mataras, Capuca, Cerro Negro.</p> <ul style="list-style-type: none"> • Municipalities: Gracias, Las Flores, Talgua, San Manuel de Colohete, La Campa, San Sebastián, Belén Gualcho, Corquín, San Pedro de Copán. • Departments: Lempira, Copán, Ocotepeque. • Area of Influence: Biosfera Cacique Lempira.
13	CEASO	Improving ecosystem status throughout micro watersheds protection, with local structures strengthening, guaranteeing biodiversity and water production for different uses in Rerserva Biológica de Montecillos.	<ul style="list-style-type: none"> • Micro watersheds: Potrerillos 1, Potrerillos 2, Paso Hondo, El Achote, La Porra, La Danta, San Juanillo, Buena Vista, San José de Pane, Matasano, Cantoral, Tule, Toriles and Veracruz. • Department: El Rosario, Comayagua and Siguatepeque. • Area of Influence: Montecillos,
14	Water Administration Board Aldea Monte de La Virgen	Ecosystems goods and services compensation mechanisms management and implementation for threat reduction on conservation objects throughout community participation in Río Blanco micro watershed	<ul style="list-style-type: none"> • Micro watersheds: Río Blanco, Río Cospa. Monte de La Virgen, El Socorro, Lomitas and Nueva Esperanza. • Municipalities: Las Flores and Talgua. • Department: Lempira. • Area of Influence: Cacique Lempira Biosphere
15	FHONDIL	Threat and risk reduction management with a participative focus in El Jilguero and Montecillos protected areas.	<ul style="list-style-type: none"> • Micro watersheds: Río Carao 2, Río Hondo 2, Yarguis, Las Vueltas. • Municipalities: San José, Marcala, Chinacla. • Department: La Paz. • Area of Influence: El Jilguero-Guajiquiro
16	Lenca-Eramaní Municipal Association	Promote local participative sustainable management in process development and instruments that ease water governance, under the concept of ecosystem services compensation mechanism of Anillo Verde.	<ul style="list-style-type: none"> • Micro watersheds: Quebrada Puente Hondo, Quebrada Las Lajas, Quebrada El Pelón, Quebrada La Guala, Río El Terreno, Río Intibucá. • Municipalities: La Esperanza, Intibucá. • Department: Intibucá. • Area of Influence: Anillo Verde.
17	INCEBIO	Community participative monitoring of felines, their prey and ecosystem services of bats in areas of biologic importance as well as micro watersheds in western Honduras.	<ul style="list-style-type: none"> • Micro watersheds: Quebrada de Agua Helada, La Joya, Río Plata and Agua Negra. • Municipalities: Gracias, San Francisco de Opalaca, Belén and San Juan. • Departments: Lempira, Intibucá. • Area of Influence: Opalaca – Montaña Verde and Cacique Lempira Biosphere.
18	ADEC	Water quality monitoring in prioritized micro watersheds.	<ul style="list-style-type: none"> • Micro watershed: Río Caraco • Río Hondo 2, Río Chiflador and Guaralape. • Municipalities: Chinacla, San José Opatoro, Cabaña and Marcala. • Department: La Paz. • Area of Influence: El Jilguero-Guajiquiro.



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