



Wharton Initiative for Global Environmental Leadership IGEL Highlights

2007 - 2020

Celebrating our Accomplishments





To develop, disseminate, and promote knowledge for business sustainability on a global scale through the exchange of insightful academic directive and industry best practices, in order to prepare the current and next generation of leaders to uncover profitable business solutions addressing environmental concerns.



Organizational Partners





Academic Advisors





Carolyn Kousky Executive Director Wharton Risk Center



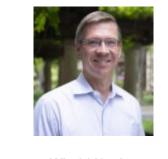
Howard Kunreuther Co-Director **Risk Management and Decision Processes Center**



Arthur van Benthem Assistant Professor of Business Economics and Public Policy The Wharton School



Gary Survis Lecturer Master of Environmental Studies Program



Witold Henisz Director Wharton Political Risk Lab

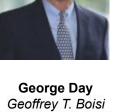


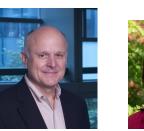
Sarah Light Associate Professor of Legal Studies & **Business Ethics**





Sanjay Patnaik Department of Strategic Management and Public Policy Professor Emeritus George Washington University The Wharton School (GWU) School of Business





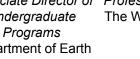
Senior Lecturer

Chemical and

Mark Alan Hughes Professor of Practice Weitzman School of Design **Biomolecular Engineering**



Maria Andrews Associate Director of Professor of Finance Undergraduate



Department of Earth and Environmental Science

Susan Wachter The Wharton School



Mauro Guillen Professor of Management The Wharton School



Bill Laufer Director The Carol and Lawrence Zicklin Center for Business Ethics Research



Mike Useem Director Center for Leadership and Change Management







Stan Laskowski Lecturer **Environmental Science**



Yvette Bordeaux Director Professional Masters Programs in Earth and Environmental Science



Alan Barstow Director Organizational **Dynamics**



Steve Finn Professor **Global Pennovation**



Sally Cardy Administrative Director Professional Masters Programs



John Giordano Assistant Commissioner NJ Department of Environmental Protection



Trevor Penning Professor Perelman School of Medicine





John Keene **Ted Emmett** Professor Professor Emeritus Perelman School City and Regional of Medicine Planning

Alumni Advisors







Bernard David Millicent Pitts Chairman **CEO & Executive Director** The Global CO2 Initiative Ocean Exchange



Karissa Krusa President Sonoma County

Winegrowers



Andreas Gruson Executive Chairman Compology



Kendra Morris Director of Business Development Suez



Roland Van der Meer President, CIO, Co-Founder Resonant **Technologies Group**



Samantha Klug

Business Strategy

Manager

Accenture

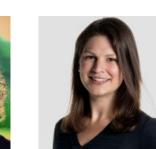
Patrick Cairo President PCAIRO Management Consulting



Jon Freedman Senior Vice President. **Global Government Affairs** Suez Water



Marissa Rosen Media Campaign Advisor ClimateSAN



Amy Ochsenreiter Director, Enterprise Priorities GAF



Bert Barnes Sustainability and Giving Manager Beautycounter



Aaron Ratner Managing Director Ultra Capital



Omar Blayton CFO





Ron Ben-Zeev Founder World Housing Solution



GRC Advising

Dakota Dobbins Senior Consultant Geneva Global



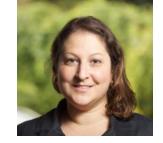
Silvia Schmid Program Manager EcoVadis



Andrew Chung Founder & Managing Partner 1955 Capital



Rob Bernard Global Head of Strategic Partnerships National Geographic Society



Emily Schapira Executive Director Philadelphia Energy Authority



Shauna Sadowski Head of Sustainability-Natural and Organic Unit **General Mills**





Caroline D'Angelo Nathan Sell Lead, Green Diplomacy Technical Writer Initiative U.S. EPA U.S. Department of State







Sunwealth

Academic Curriculum



MBA Major: Business, Energy, Environmental and Sustainability (BEES) The BEES major examines the relationship between business and the natural environment, including human health and safety as well as addressing a range of policy issues.

MBA/Master of Environmental Studies Joint Degree

This joint degree complements and enhances Wharton's multi-disciplinary approach to integrating knowledge and advancing educational goals in the business and environment sectors.

Undergraduate Concentration or Minor in Environmental Policy and Management

The undergrad focus is designed to provide in-depth foundations for those interested in the complex relationships between business and the natural environment, management of environmental risks, and the business and economics of energy.



Executive Education Programs



2012 Program:

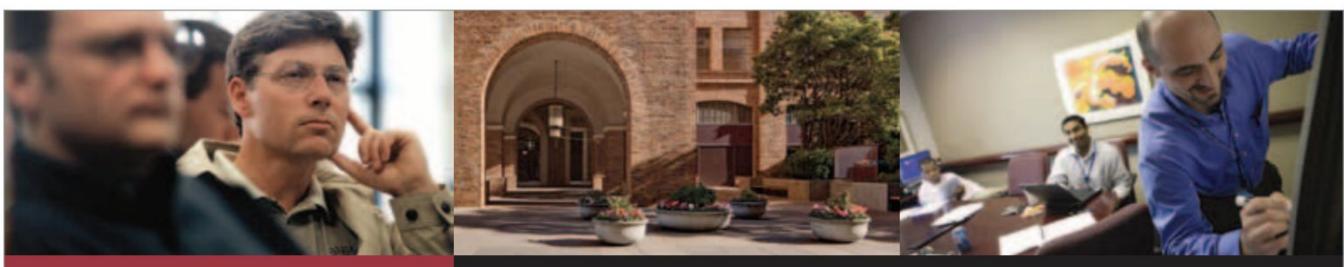
Thanks to the generosity of SAP, IGEL had its first Business Sustainability Leadership Executive Education program in June 2012 at the Wharton San Francisco campus. The inaugural class of business executives had three days of training in leadership, environmental management and more.

SESSION TOPICS

- **MERCK**
- Sustainability as a Competitive Advantage
- Financial Valuation of Stakeholder Management
- Scenario Planning
- Leadership & Change Management
- Technology's Role in Sustainability
- Best Industry Practices in Sustainability

2014 Program:

The Wharton School's 2014 Environmental Sustainability Leadership Executive Education program of the Aresty Institute of Executive Education was made possible thanks to the generous sponsorship of Merck.





IGEL Conferences



2019 12th Annual Conference

The Wharton Initiative for Global **Environmental Leadership** 12th Annual Conference



-FMC





2017 10th Annual Conference

2018 11th Annual Conference



Smart Utilities: A Bridge To Smart Cities of the Future Wednesday, September 27, 2017 8:30am - 2:00pm

> 8th Floor, Jon M. Huntsman Hall The Wharton School, University of Pennsylvania Philadelphia, PA







Wharton/Bank of America Global Environmental Leadership Global Forums

The Speaker Series featured a prominent global environmental leader as the keynote speaker during the annual event held in coordination with Wharton's Global Alumni Forums Wharton Global Alumni Forum in San Francisco 2011 Creative Solutions for Global Challenges



BANK OF AMERICA









Women in Sustainability Leadership **Seminar Series**





Mirei Endara de Heras Former Panamanian Minister of Environment



Emily Landsburg Director Ultra Capital



Connie Duckworth Founder and CEO Arzu Studio Hope



Anne Papageorge VP of Facilities & Real Estate UPenn



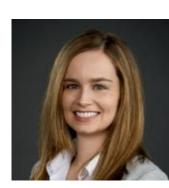
Leslie Nadine CEO SUEZ North America



Lisa Conway Vice President of Sustainability Interface



Maria Negrete-Gruson CFA, Managing Director Artisan Partners



Elizabeth Montoya Chief of Protocol & IR Rubicon



Jane Mosbacher Morris CEO To The Market



Kim Rumph President Terminix Residential



Angelita Fasnacht- Cuellar **Board Member** Global Water Alliance



Korinti Recalde SVP of Sustainability United Technologies



Maureen Anastasia Senior Managing Director CBRE



Laurie Holmquist General Manager, Delta Air Lines



Haley Russell Co-Founder, Chippin



Paulette Frank Worldwide VP of Sustainability Johnson & Johnson



Catherine Ricou SVP Environmental Services SUEZ North America



Linda Froelich Global Sustainability Director FMC Corp



Women in Sustainability Leadership **Seminar Series**





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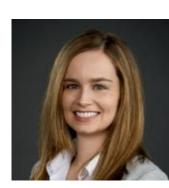
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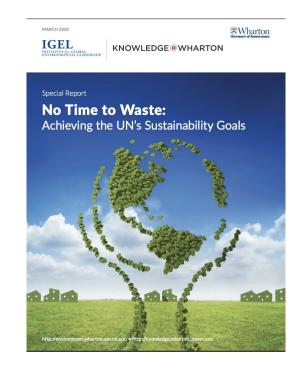


Knowledge@Wharton



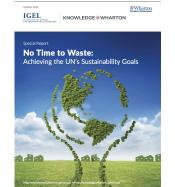
KNOWLEDGE WHARTON

Knowledge@Wharton is the online business analysis journal of the Wharton School of the University of Pennsylvania. The site, which is free, captures relevant knowledge generated at Wharton and beyond by offering articles and videos based on research, conferences, speakers, books and interviews with faculty and other experts on global business topics. For almost a decade Wharton IGEL through corporate sponsors has partnered with Knowledge@Wharton to publish dozens of special reports focused on business and environment.



Research Reports





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MPR. 201

The End of Wasted Water A Revolution in Reuse Is Underwa



SWharton IGEL KNOWLEDGE WHARTON

A Revolution in the Making: The Quest for Net Positive Supply Chains



IGEL KNOWLEDGE@WHARTON

Wharton

Winha

Confronting the Reality of Climate Change



INVOLUDE INVOLUTION

Wharton IGEL KNOWLEDGE@WHARTON

Partners in Resilience: Constructing the Future of Sustainable Infrastructure



IGEL

IGEL KNOWLEDGE@WHARTON Smart City Pioneers: Forging Solutions to Early Challenges

Wharton



Managing Industrial Water in the Age of Climate Change



KNOWLEDGE WHARTON

IGEL

Driving Forward:

The Future of Urban Mobility



Wharton

KNOWLEDGE . WHARTON **Recycling Electronic Waste**

SWhron

Wharton



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SWINDO KNOWLEDGE WHARTON

Investing in America's Public Water Systems — Making Public-private Partnerships Work





ICH. INOW, COSE INVESTIGATION Making the Transition to a Low-carbon Economy



KNOWLEDGE WHARTON Special Report **The Sharing Economy:** Restacking Industry in the 21st Century

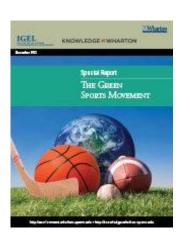
Wharton



Harnessing Big Data for Sustainable Health Care



Statute . IGEL KNOWLEDGE WHARTON SUSTAINABILITY IN THE AGE OF BIG DATA



Wharton IGEL



KNOWLEDGE WHARTON



Special Report INTEGRATING ENVIRONMENTAL AND HUMAN HEALTH



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White



Student Engagement





Wharton IGEL granted six scholarships for MBA students to attend the Antarctica Leadership Ventures in 2009, 2010 and 2011



Wharton IGEL supports ClimateCAP: The Global MBA Summit on Climate, Capital, & Business is an annual event that brings MBA students and industry leaders together to learn what every MBA needs to know about the business implications of climate change.

Partners include:



Careers in Sustainability



UNIVERSITY of PENNSYLVANIA

INITIATIVE for GLOBAL ENVIRONMENTAL LEADERSHIP

WINEGROWERS

(Johnson + Johnson

FMC

MEDLINE



Thank You for Your Commitment to Business & the Environment!





Eric Orts Director Guardsmark Professor



Hayley McCurdy Communications Coordinator Penn MES '20



Joanne Spigonardo Senior Associate Director



Jennifer Lessick Graduate Intern Penn MES '21