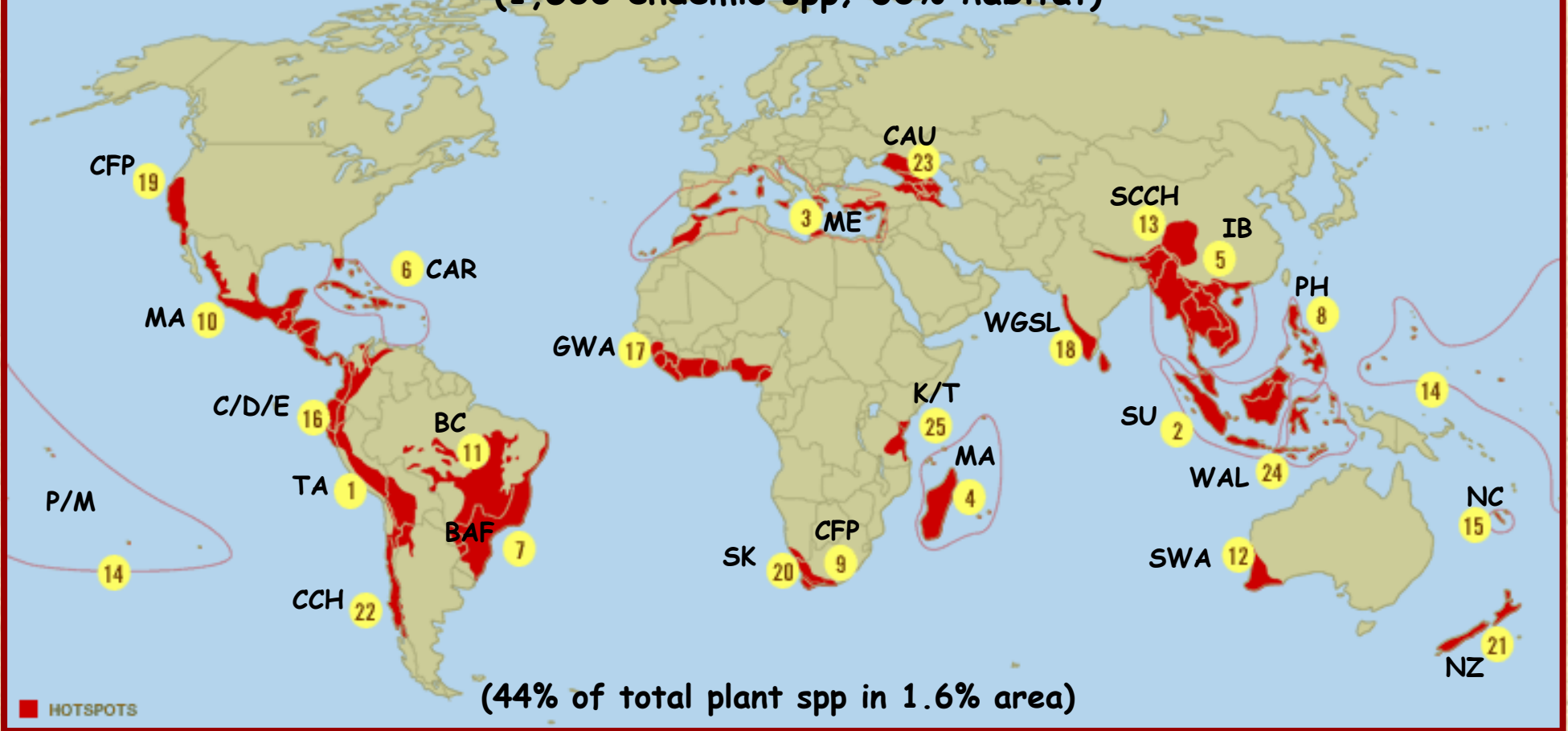


FACETS OF BIODIVERSITY

1. Species Diversity
2. Diversity of Ecosystems (e.g., vegetation types)
3. Diversity of Life-Forms (cf. functional groups)
4. Endemisms: Concentration of taxa with restricted distribution
5. Agro-Biodiversity (domesticated taxa and wild relatives)
6. Bio-Cultural diversity

Global Biodiversity Hotspots (Myers 2001)

(1,500 endemic spp; 30% habitat)



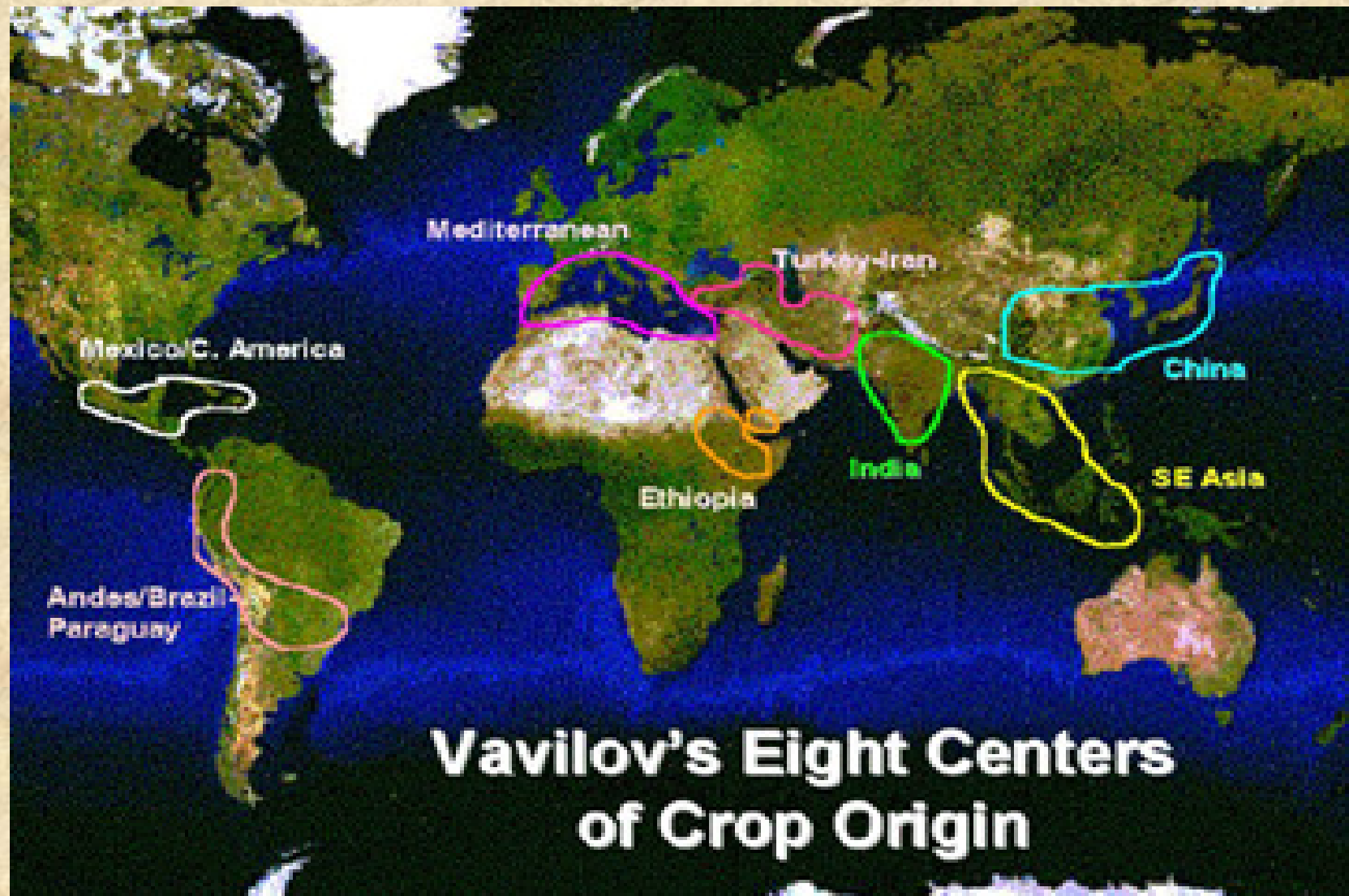
- 1 Tropical Andes
- 10 Mesoamerica
- 6 Caribbean
- 7 Brazil's Atlantic Forest
- 16 Choco/Darien/W Ecuador
- 11 Brazil's Cerrado
- 22 Central Chile
- 19 California Floristic Province

- 4 Madagascar
- 25 Coastal Forest of Kenya/Tanzania
- 17 Guinean Forest of West Africa
- 9 Cape Floristic Province
- 20 Succulent Karoo
- 3 Mediterranean Basin
- 23 Caucasus
- 2 Sundaland
- 24 Wallacea

- 8 Philippines
- 5 Indo-Burma
- 13 South-Central China
- 18 Western Ghats/Sri Lanka
- 12 SW Australia
- 15 New Caledonia
- 21 New Zealand
- 14 Polynesia/Micronesia

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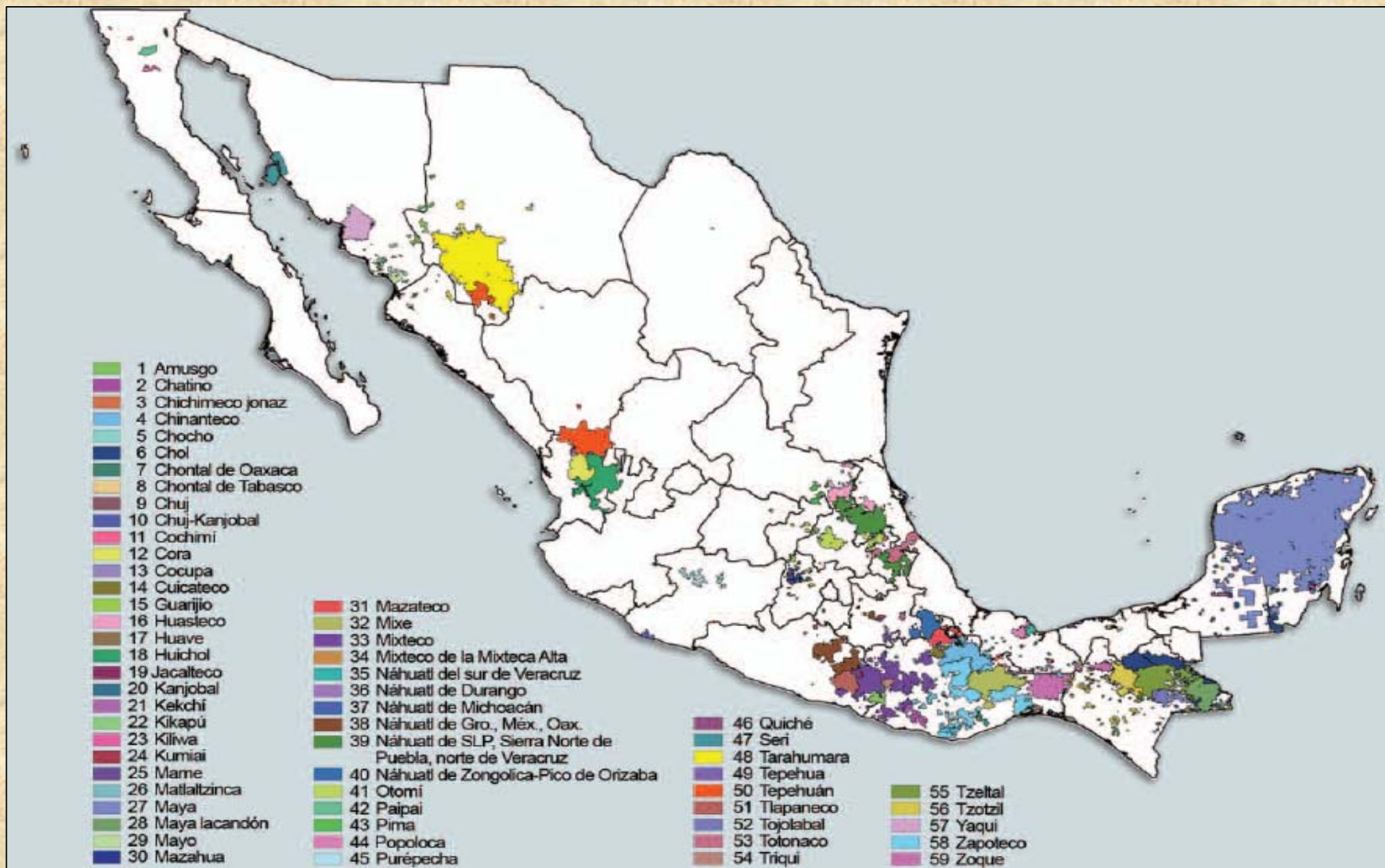


Vavilov's Eight Centers of Crop Origin

Domesticated Biodiversity and Wild Relatives: The case of plants in Mexico

- Some 7000 native species used for a variety of purposes:
 - Medicinal, ceremonial, insecticide, psychotropic
 - Food, meat softener, food for bees, baits for fishing
 - Textile, paper, chicle
 - Fuel
 - Construction, fences, painting, staining, lacker, waxing
 - Cosmetics, soaps, ornamental
- Hundreds of semi-cultivated plants (backyard gardens: epazote, nanche, quelites, etc.)
- Result of centuries of efforts to generate products of value for humans, derived from a profound traditional knowledge

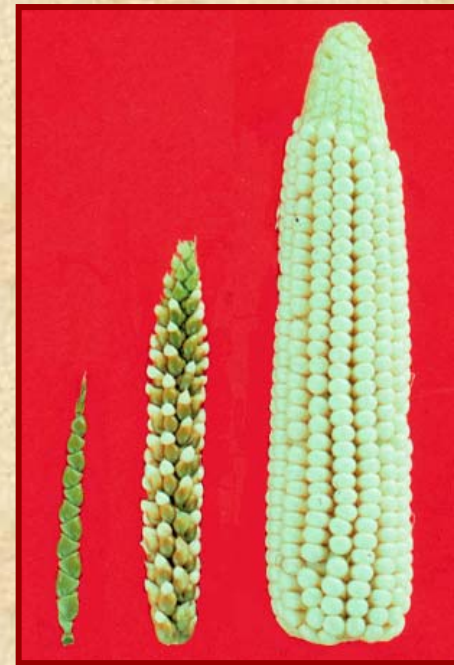
Distribución de lenguas y grupos indígenas en México



AN UNEXPLORED WORLD

- Taxonomic Novelties—plants: 2,350 spp/año
- Taxonomic Novelties—animals: 13,000 spp/año
- Novelties—The qualitative aspect

Zea diploperennis: Sierra de Manantlan, Mex.



Lacandonia schismatica
(Lacandoniaceae)

