

Environmental Ecosystem Accounting in Mexico (SEEA-EEA Mx)

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Progress and results of the project



Implementation of SEEA-CF (first country to develop

environmental accounting, since 1991)

Strength and integrality of the environmental sector

Configuration of statistics and geography in the same institution

Progress and results of the project

Overview in Mexico





Accounts in physical units

Accounts in currency units

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1. Ecosystem extent account

3b. Supply and use of ecosystem services accounts (currency units)

Progress and results of the project

Progress at national level





Vegetation and land-use 2002

Conifer forest Oak woodland Mountain cloud forest Evegreen tropical forest Semideciduous tropical forest Deciduous tropical forest Woody xerophytic shrubland Non-woody xerophytic shrubland Grassland Woody hydrophilous vegetation Non-woody hydrophilous vegetation Woody Special Vegetation types Non-woody Special Vegetation types Other lands Annual crops Perennial crops Forest plantation Human settlements Acuiculture Water bodies Ocean

Extent accounts





Aguascalientes State



Year 2013 Year 2002	Annual agriculture	Permanent agriculture	Human settlements	Primary coniferous forest	Primary Oak Forest	Secondary oak forest	Water bodies	Primary Woody Xerophilic Scrub	Secondary Woody Xerophilic Scrub	Other lands	Grassland	Secondary Deciduous Forest	
Annual agriculture	2,079.02	2.35	74.42	0.00	0.45	3.70	1.41	6.41	12.34	0.00	20.34	1.80	
Permanent agriculture	2.81	174.02	9.06	0.00	0.00	0.00	0.13	0.78	0.00	0.00	1.37	16.28	
Human settlements	0.61	0.00	110.80	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	
Primary coniferous forest	0.00	0.00	0.00	11.32	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	
Primary Oak Forest	0.22	0.00	0.00	0.00	343.57	60.37	0.02	0.00	0.00	0.00	28.78	1.29	
Secondary oak forest	5.01	0.25	0.00	1.20	18.38	417.56	0.12	0.00	0.00	0.00	8.97	31.88	
Water bodies	0.02	0.00	0.11	0.00	0.00	0.00	43.50	0.00	0.00	0.00	0.00	0.05	
Primary Woody Xerophilic Scrub	25.03	0.38	3.96	0.00	0.00	0.00	0.00	173.03	90.47	0.00	9.92	1.09	
Secondary Woody Xerophilic Scrub	1.61	0.12	1.95	0.00	0.00	0.00	0.00	2.86	73.30	0.88	8.75	0.00	
Other lands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grassland	124.86	3.27	8.94	0.00	18.68	103.46	0.73	4.77	2.02	0.39	1,134.14	4.75	
Secondary Deciduous Forest	14.54	7.57	0.10	0.00	2.74	3.54	0.60	0.00	0.00	0.00	12.05	284.22	
Total	2,253.74	187.96	209.35	12.52	383.83	588.74	46.61	187.85	178.14	1.27	1,224.33	341.35	
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MEXICO

Matrix of exchanges





1) Carbon capture and retention (in soil and biomass)

2) Provision of priority crops (rice, beans, corn, sorghum, soybeans and wheat)

3) Water supply (surface and groundwater)

Selected services for the study case of Mexico

- 4) Regulation of natural disasters in coastal areas (mangroves)





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Condition accounts

Type of mea	asure
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characteristics	Pressures on the ecosystem
on conservation status er erosion arbon content in soil diversity	 Infrastructure farming Cattle raising Mining Urban Development Tourism, etc
Integrity Index	

•Ecological Integrity

•Human footprint



Economic valuation purpose: Services that the ecosystem provides for crop production

Where:

VBP = Gross Value of crop Production x CI = Intermediate crop consumption x FBKF = Gross Fixed Capital Formation of the crop x. CKF = Consumption of Fixed Capital of the crop x RT = Total Compensation of the crop x CDg = Cost of soil degradation caused by the crop x

Vx = VBP - CI - (FBKF-CKF) - RT - CDg

Vx = Value of the service that the ecosystem provides for the crop x





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