



MEA monitoring programmes that SEEA EA can support

National Institute of Statistics and Geography (INEGI) - Mexico

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Vice President

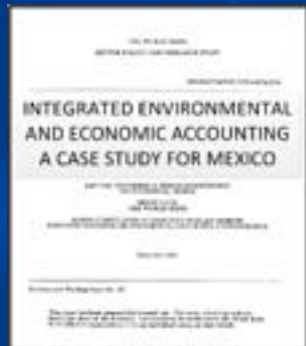
November 28, 2022

Mexico's Experience with Environmental Accounting



1991

First pilot study in the world



2007-2009

Accounts:
- Water
- Flow of Materials

2012

Participation in the preparation of the SEEA-CF



2013-2015

Reviews
SEEA- EEA

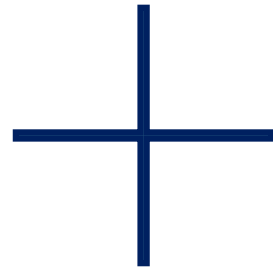
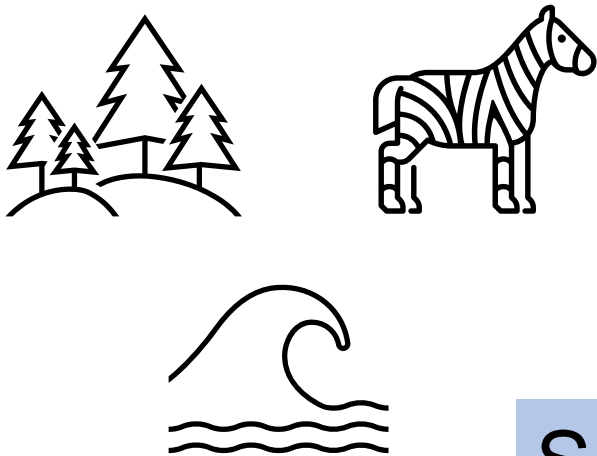
2017-2021

NCAVES
Projects

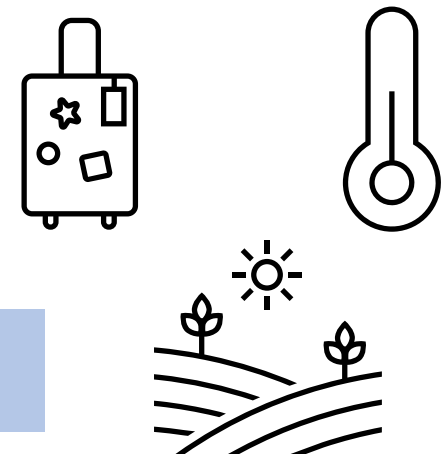


NATURAL CAPITAL ACCOUNTING AND VALUATION OF ECOSYSTEM SERVICES (NCAVES)

Capital Natural

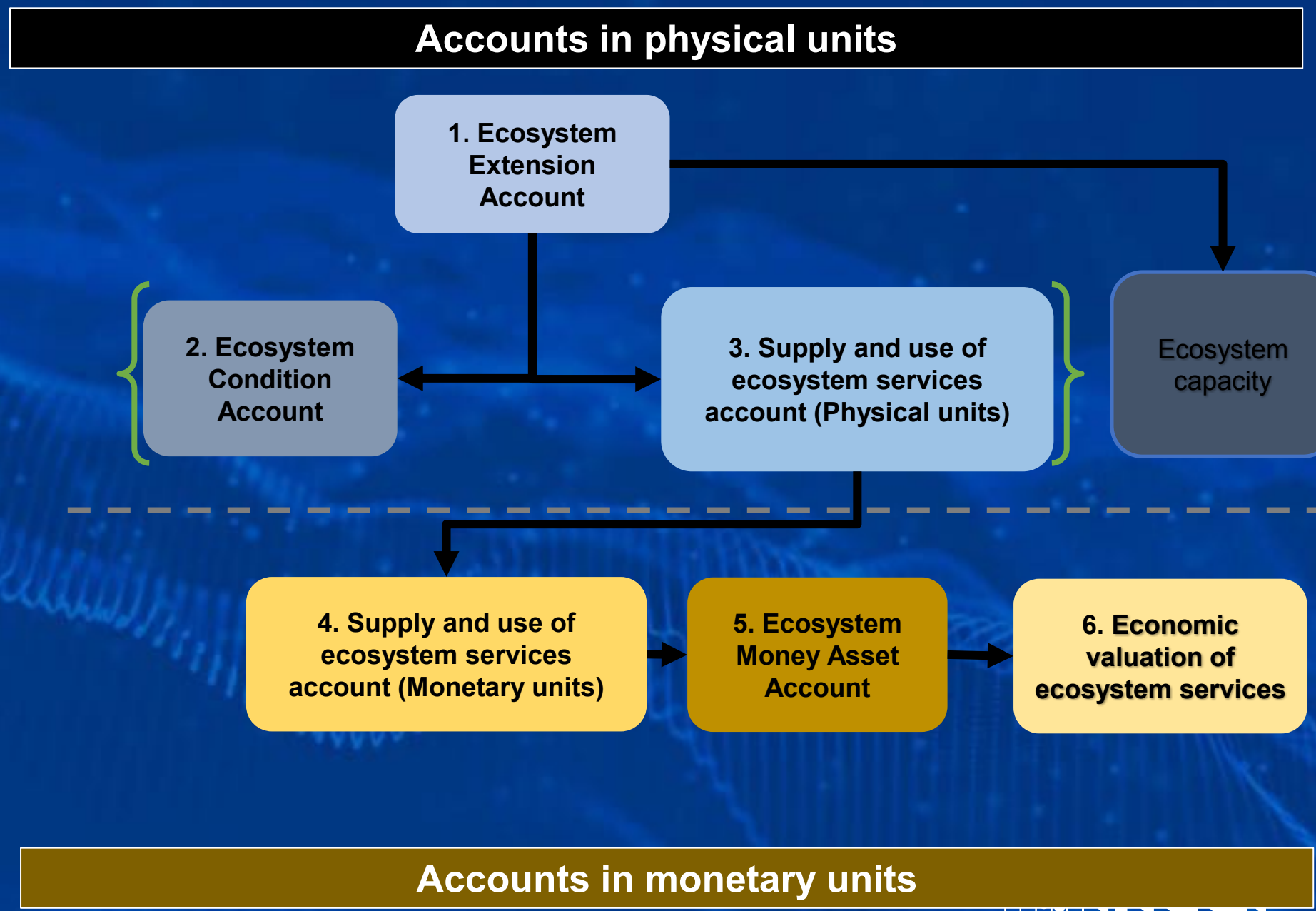


Ecosystem Services



SEEA-EA Methodology

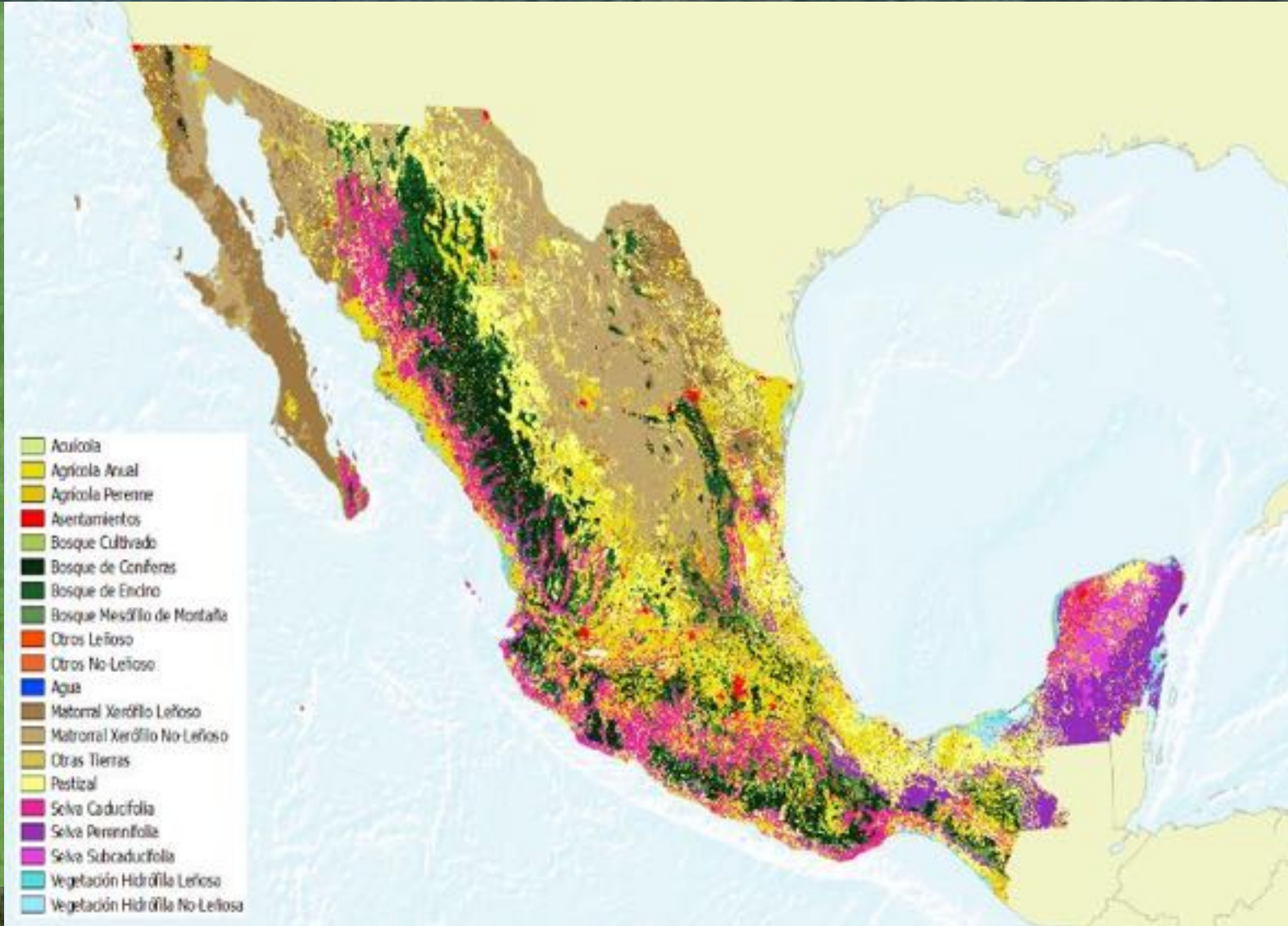
Sequence of the Accounts of the Ecosystems -Mx



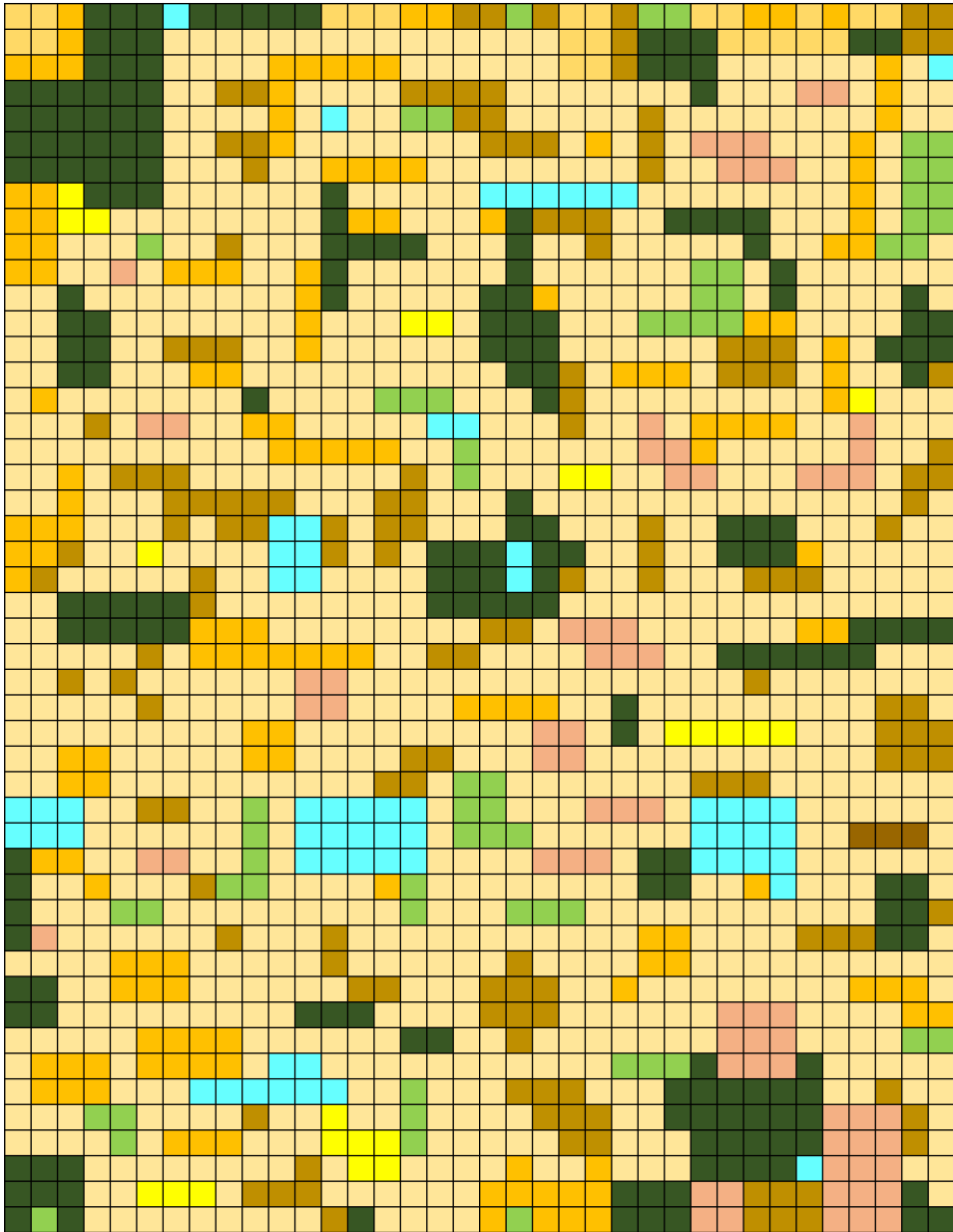
Extension Accounts

The ecosystems with the greatest extension in the total national territory are:

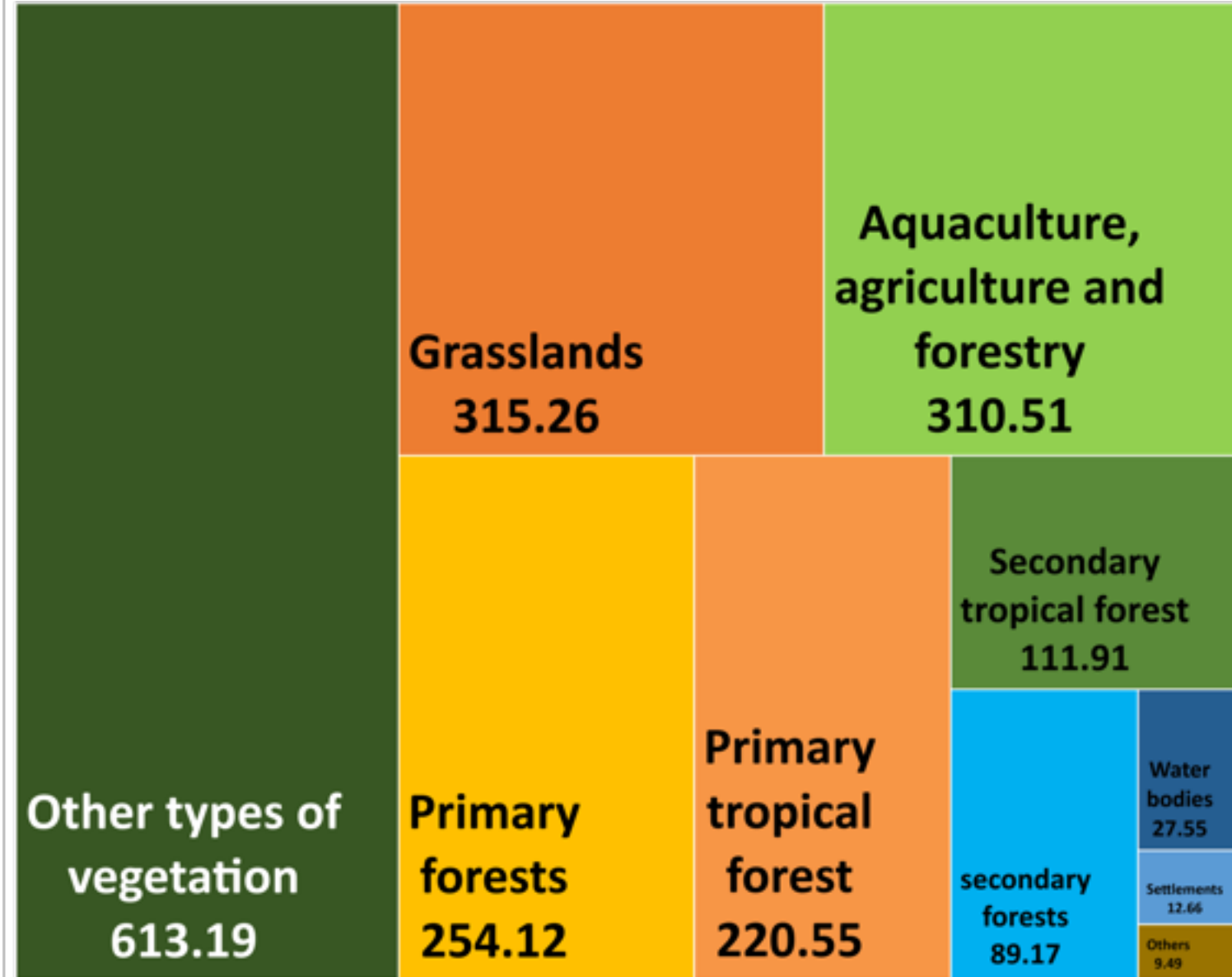
- Non-woody xeric scrub (19%)
- Grassland (16%)
- Woody xeric scrub (10%)
- Deciduous forest (9%)
- Coniferous forest (9%)
- Oak forest (8%)
- Evergreen forest (5%)
- Annual agriculture (16%)
- Others (8%)



Ecosystems in the real world look like this



...Thanks to accounting principles, they can be rearranged like this...



Montes Azules y Marqués de Comillas México

The Mexico Geospatial Data Cube allows us to see the effectiveness of establishing protected natural areas for the conservation of ecosystems such as Montes Azules, Chiapas.

Infrastructure - La Yesca Water Dam

The Data Cube allows us to see the creation of infrastructure and how it modifies the landscape, such as the La Yesca water dam, in the states of Nayarit and Jalisco, Mexico.

VALORACIÓN DE LOS SERVICIOS DE LOS ECOSISTEMAS

Los servicios de los ecosistemas contribuyen al bienestar de la sociedad y a generar valor en las actividades humanas.

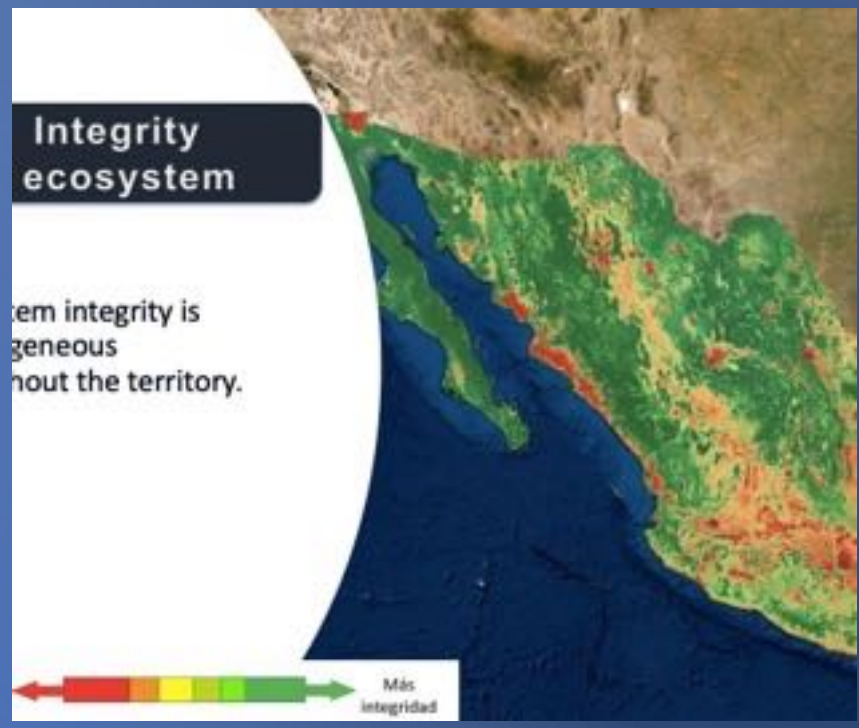
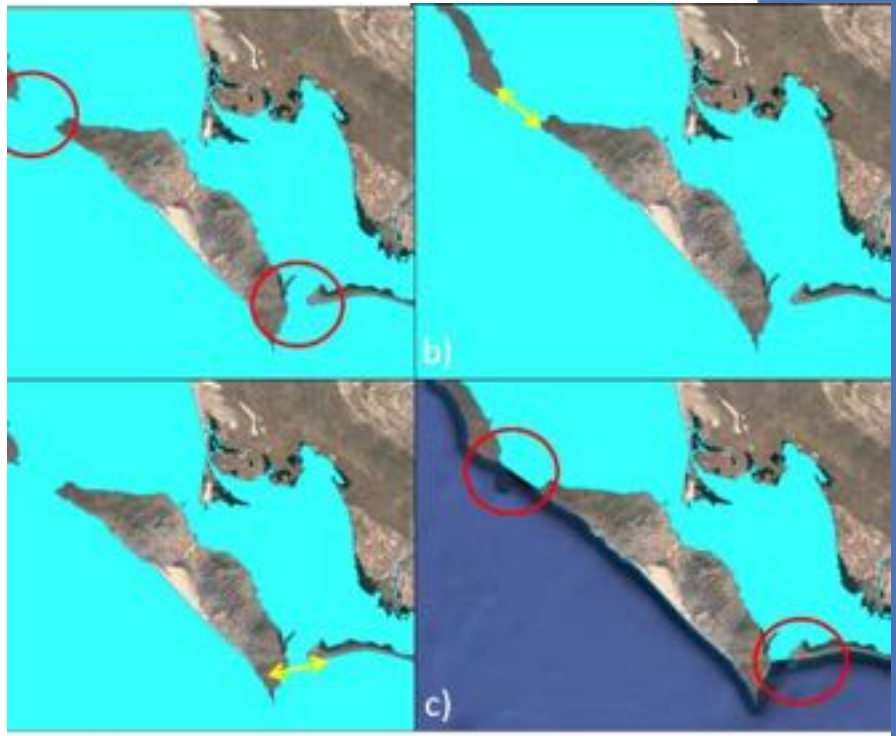
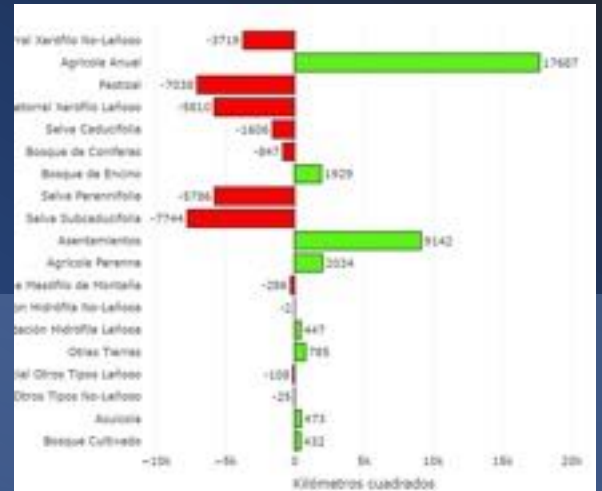
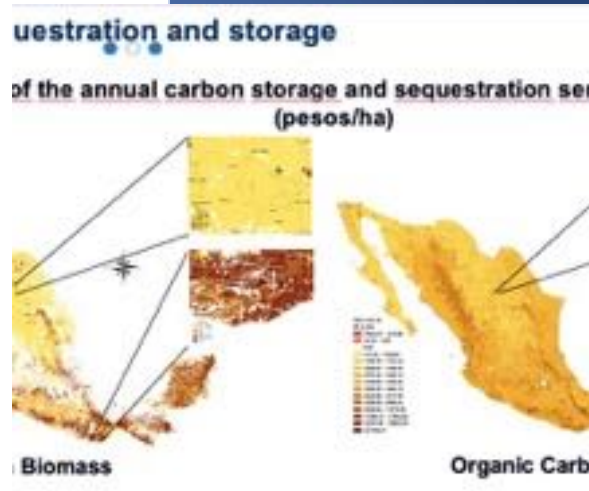
Es común que los SE no tengan un valor monetario reconocido, lo cual se traduce en su sobreexplotación y uso insostenible.

Activos de los ecosistemas: Suelo, Cobertura de vegetación, Cuerpos de agua.

Servicios: El enfoque para la medición de los servicios ecosistémicos fijos, es de los ecosistemas entre las actividades humanas.

En este proyecto se incluyó la valoración monetaria de estos servicios:

- Servicio de provisión a la producción agrícola
- Servicio de captura y almacenamiento de carbono
- Servicio de regulación hídrica



Cuentas de los Ecosistemas de México

CUENTAS DE LOS ECOSISTEMAS DE MÉXICO

Resultados del Proyecto Natural Capital Accounting and Valuation of Ecosystem Services (NCAVES)

INEGI

THANK YOU



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