The NCAVES project in Mexico: Valuating Nature for Better Decision-making

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INTERINSTITUTIONAL COLLABORATION

CONABIO
COMISIÓN NACIONAL PARA EL CONOCIMIENTO Y USO DE LA BIODIVERSIDAD

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SEMARNAT
SECRETARÍA DEL MEDIO AMBIENTE Y RECURSOS NATURALES
Annual agriculture
Settlements
Oak forests
Semi-deciduous forest
Grasslands
Dry woody shrublands
Deciduous forest

-20,000  0  20,000

Net changes, 2002 – 2014 (km²)
Condition accounts

Ecological Integrity Index

Integrity Index, by ecosystem type
To 2018, Mexico preserves 65% of its original natural capital, distributed through diverse ecosystems.

Generated by combining the Ecosystem Integrity Index (condition) with the ecosystem extension account.
VALUATION OF ECOSYSTEM SERVICES

- Sustainable and nature tourism: 22%
- Pollination: 0.20%
- Supply to agricultural production: 1.00%
- Carbon storage: 1.49%
- Carbon sequestration: 0.15%
- Water: 0.05%

3.11% GDP
Further research & development

- Stronger links between biophysical & valuation accounts
- Non-monetary concepts and methodologies
- Mainstream geospatial/EO dimension
- Additional accounts and services (e.g. biodiversity, coastal protection)

NEXT STEPS

Implementation

- Institutionalization (cross-cutting)
- Continued involvement of academia and business
- Studies at local level
- Policy scenario analyses
- Harmonization with relevant multilateral processes
IN CONCLUSION

• Mexico’s NCAVES experience demonstrates that the biophysical and economic components of ecosystems, and the services they provide, can be compiled into an ecosystem accounting framework.

• **NCA matters.** Ecosystem accounts are essential in decoupling economic growth from environmental degradation.

• Successful **implementation** for better decision-making requires a cross-cutting dialogue between sectors, data providers and users and the international context.
Thank you

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