Progress and results of the project
Overview in Mexico

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
Progress at national level

We have prepared balance sheets and matrix of exchanges accounts in the EEA

We perform a compilation and analysis.

1. Ecosystem extent account

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

Accounts in physical units

Accounts in currency units
Example of part of the State of Aguascalientes, Mexico.
<table>
<thead>
<tr>
<th></th>
<th>Year 2002</th>
<th>Year 2013</th>
<th>AGUASCALIENTES STATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual agriculture</strong></td>
<td>2,079.02</td>
<td>2,202.24</td>
<td>MEXICO</td>
</tr>
<tr>
<td><strong>Permanent agriculture</strong></td>
<td>2.35</td>
<td>174.02</td>
<td></td>
</tr>
<tr>
<td><strong>Human settlements</strong></td>
<td>74.42</td>
<td>9.06</td>
<td></td>
</tr>
<tr>
<td><strong>Primary coniferous forest</strong></td>
<td>0.00</td>
<td>110.80</td>
<td></td>
</tr>
<tr>
<td><strong>Primary Oak Forest</strong></td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Secondary oak forest</strong></td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Water bodies</strong></td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Primary Woody Xerophilic Scrub</strong></td>
<td>11.32</td>
<td>343.57</td>
<td></td>
</tr>
<tr>
<td><strong>Secondary Woody Xerophilic Scrub</strong></td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Other lands</strong></td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Grassland</strong></td>
<td>124.86</td>
<td>14.54</td>
<td></td>
</tr>
<tr>
<td><strong>Secondary Deciduous Forest</strong></td>
<td>3.27</td>
<td>7.57</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>2,253.74</td>
<td>187.96</td>
<td>209.35</td>
</tr>
</tbody>
</table>

*Matrix of exchanges*
Selected services for the study case of Mexico

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)

4) Regulation of natural disasters in coastal areas (mangroves)
<table>
<thead>
<tr>
<th>Aggregation</th>
<th>Type of measure</th>
<th>Ecosystem characteristics</th>
<th>Pressures on the ecosystem</th>
</tr>
</thead>
</table>
| Individual indicators or variables | Ecosystem characteristics | • Vegetation conservation status  
  • Water erosion  
  • Organic carbon content in soil  
  • Biodiversity | • Infrastructure  
  • farming  
  • Cattle raising  
  • Mining  
  • Urban Development  
  • Tourism, etc |
| Composite indices or indicators | Ecosystem characteristics | • Ecosystem Integrity Index  
  • Ecological Integrity Index | • Human footprint |
Economic valuation purpose: Services that the ecosystem provides for crop production

\[ V_x = V_{BP} - C_I - (F_{BFK}-C_{KF}) - R_T - C_{DG} \]

*Where:*

- \( V_x \): Value of the service that the ecosystem provides for the crop \( x \)
- \( V_{BP} \): Gross Value of crop Production \( x \)
- \( C_I \): Intermediate crop consumption \( x \)
- \( F_{BFK} \): Gross Fixed Capital Formation of the crop \( x \)
- \( C_{KF} \): Consumption of Fixed Capital of the crop \( x \)
- \( R_T \): Total Compensation of the crop \( x \)
- \( C_{DG} \): Cost of soil degradation caused by the crop \( x \)
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