



Policy applications of water accounts in Mexico

Francisco Guillén Martín

Contents

1 Main water policies in Mexico

2 How do the water accounts
inform policy questions?

3 Main users

4 How do the water accounts
support ecosystem accounting?

5 Strengths and weakness

6 Communication strategy

7 Water accounts and SDG
indicators

National Water Plan

✓ Aligned to the National Development Plan and Environmental (SEMARNAT) Sectoral Plan

Main goals:

- Strengthen the supply of drinking water
- Secure water for agricultural irrigation, energy, industry, tourism...
- Among others...

1. Main water policies in Mexico



http://www.conagua.gob.mx/CONAGUA07/Contenido/Documentos/PROGRAMA_Nacional_Hidrico_2014_2018_espa%C3%B1ol.pdf

2. How do the water accounts inform policy questions?

Mexican stepwards towards SEA-Water implementation:

- **Physical supply and use tables**



- Acuífers over-exploitation
- Water use by economic sector
- Discharges and wastewater treatment
- Among others

- **Hybrid supply and use tables**



- Productivity
- Intensity
- Among others



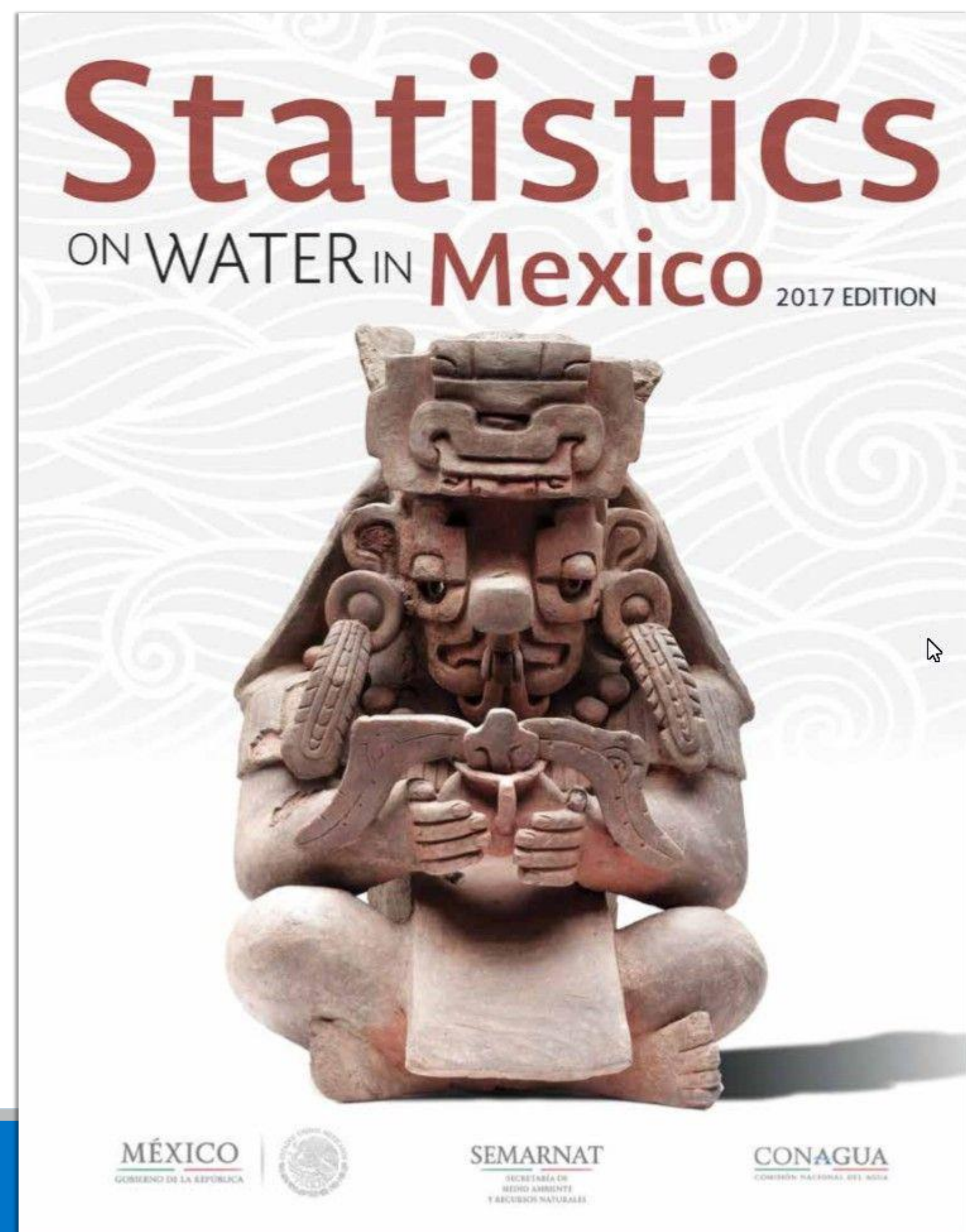
3. Main users



- Ministry of the Environment and Natural Resources (SEMARNAT)

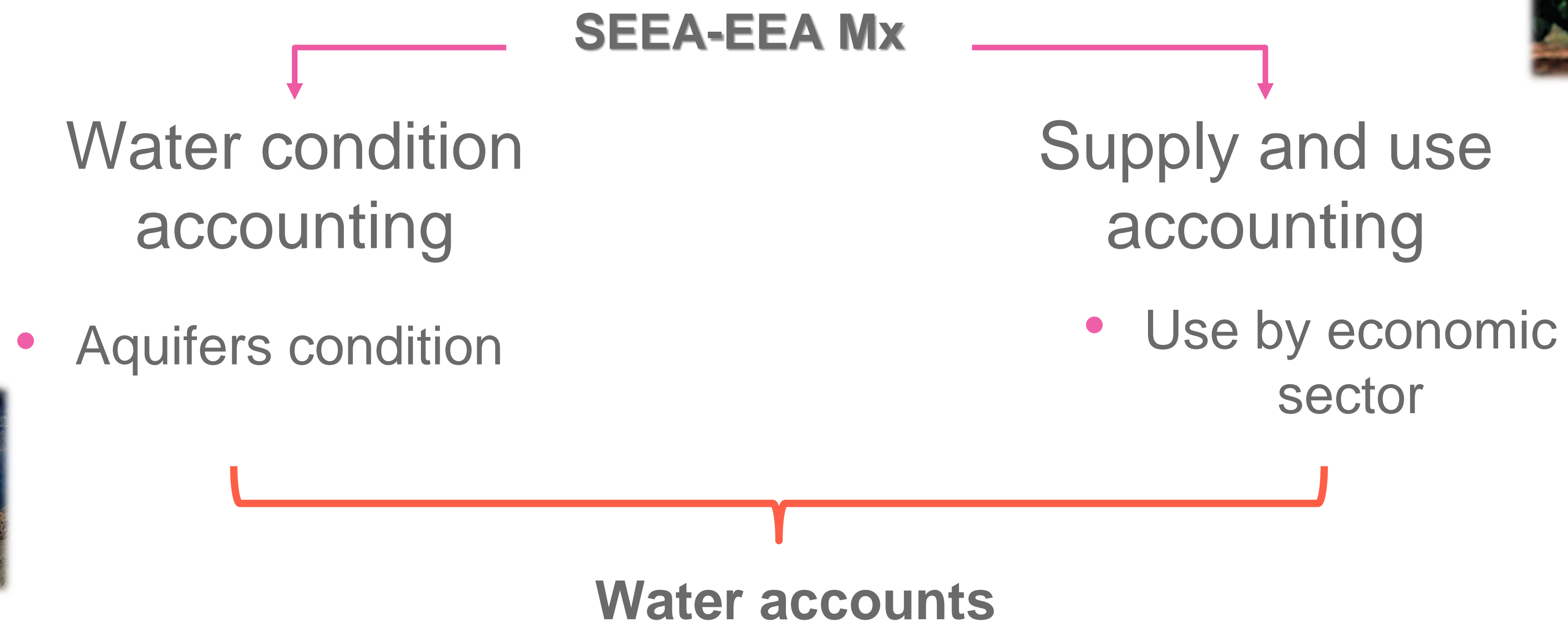
Through “*Statistics on water in Mexico*”, National Water Commission (CONAGUA) spreads water accounting, as part of the use and knowledge of this kind of data

http://sina.conagua.gob.mx/publicaciones/EAM_2017.pdf



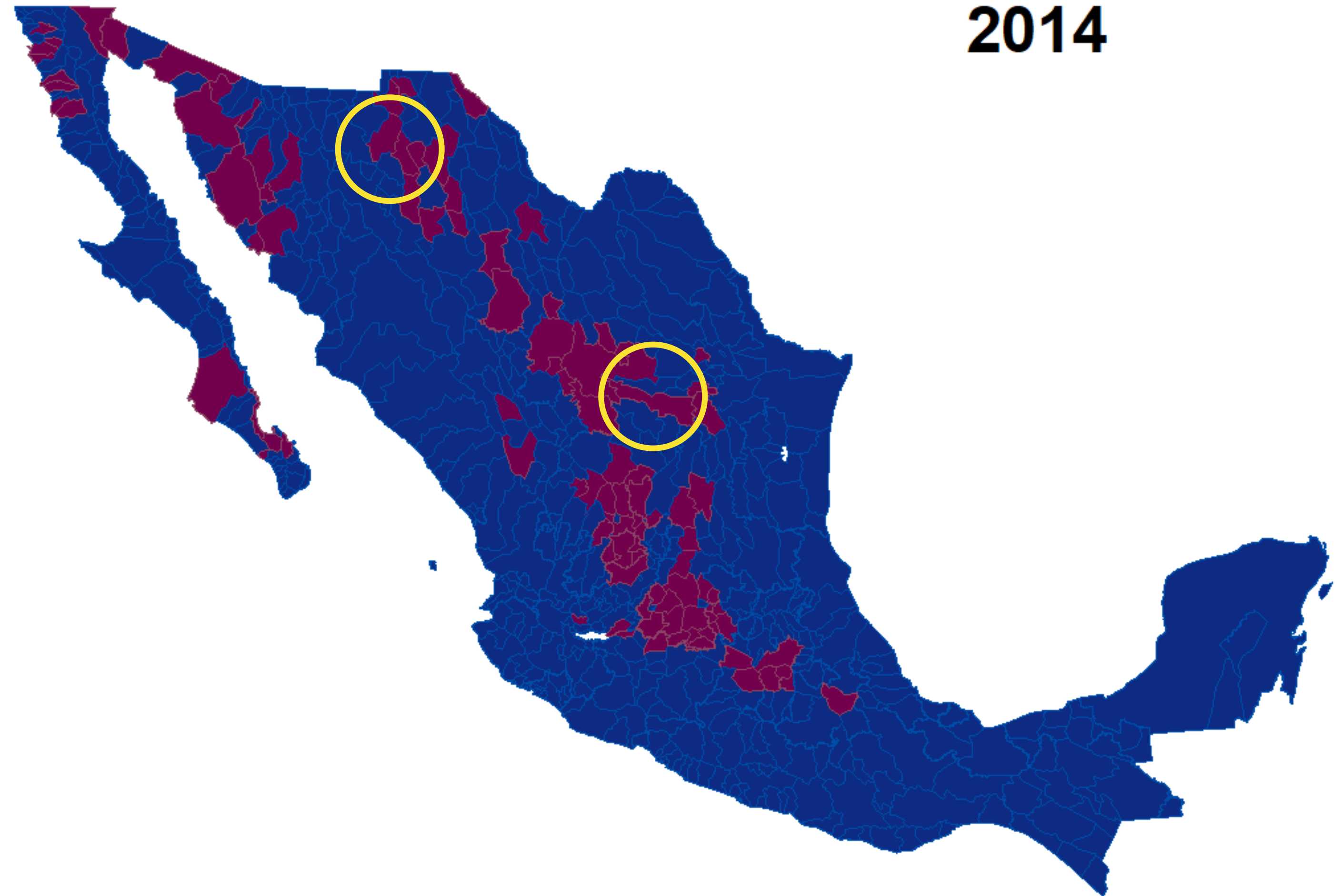
4. How do the water accounts support ecosystem accounting?

Water accounting data is useful for Ecosystem accounts: **condition accounting** as well as for **supply and use accounts**.



Example 1

- Aquifers condition indicates wheter they are underexploited or overexploited

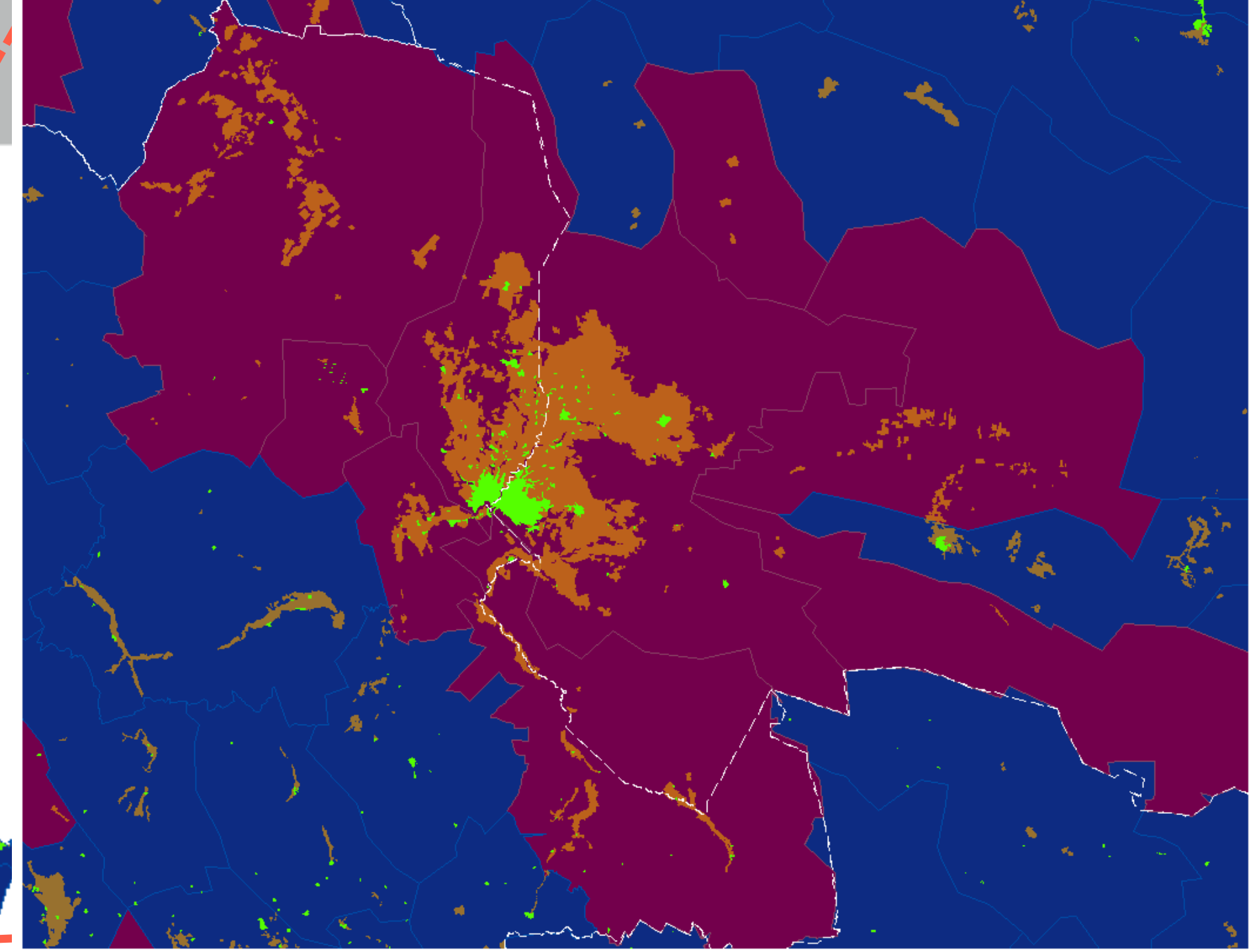
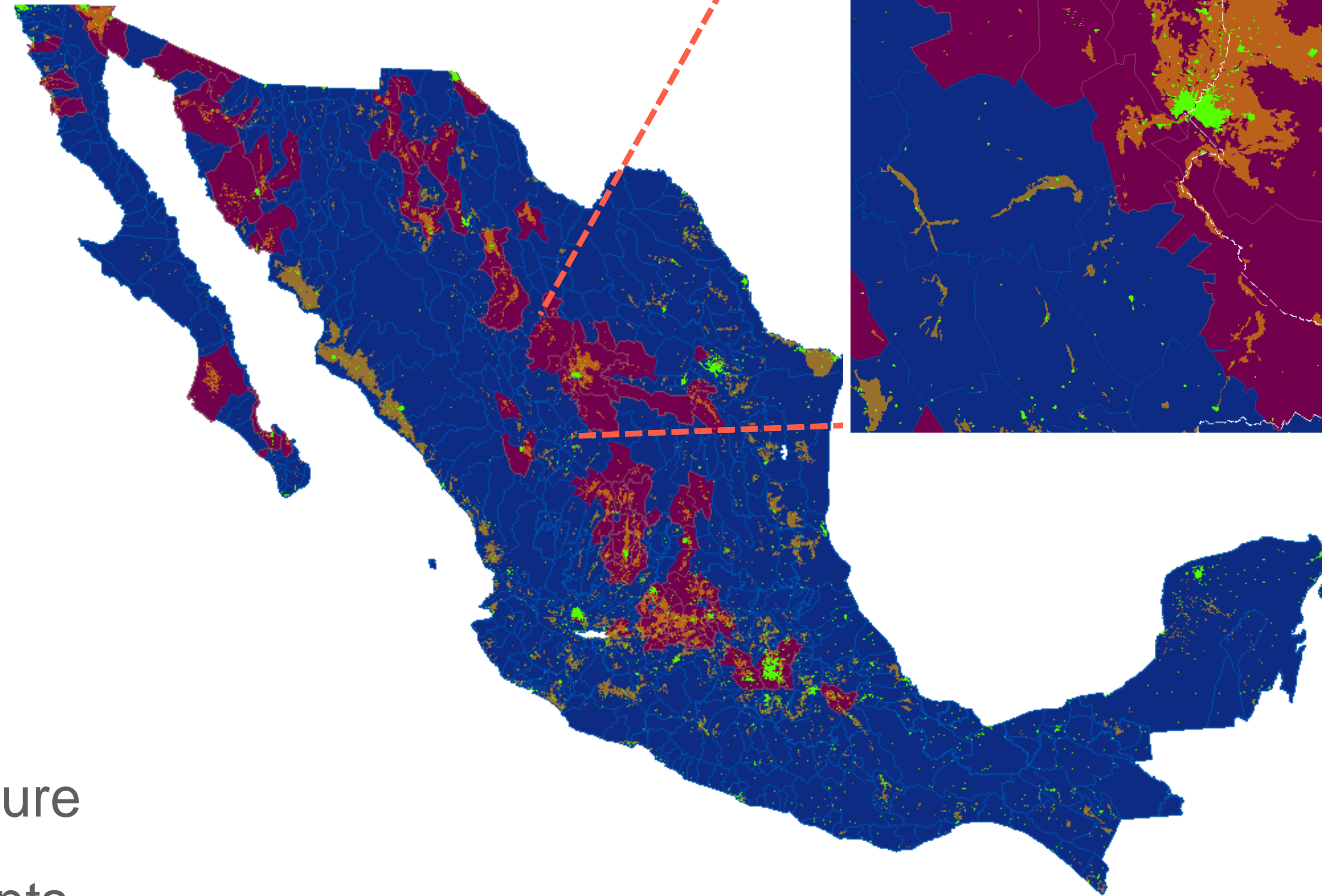
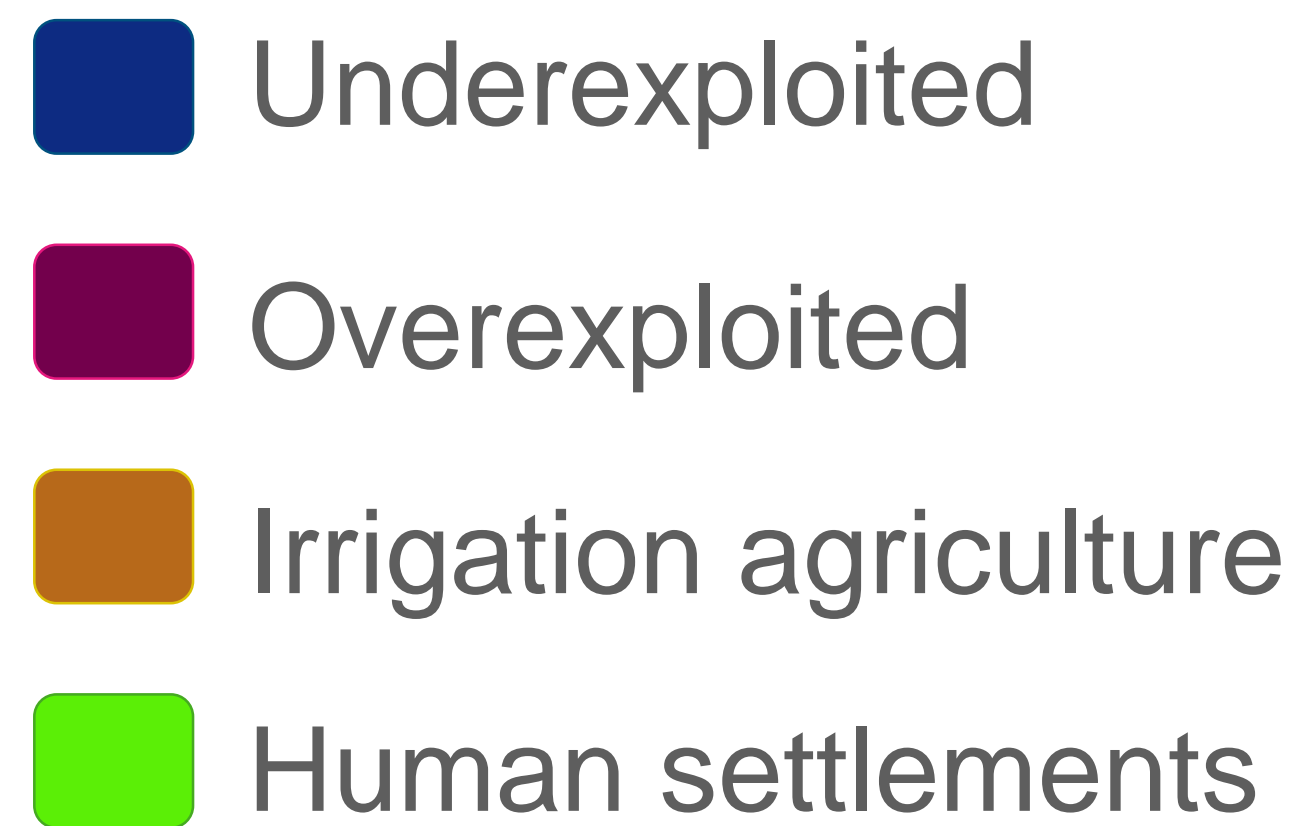


2014

Example 2

- Analyze aquifers condition and their relationship with irrigation agriculture and human settlements.

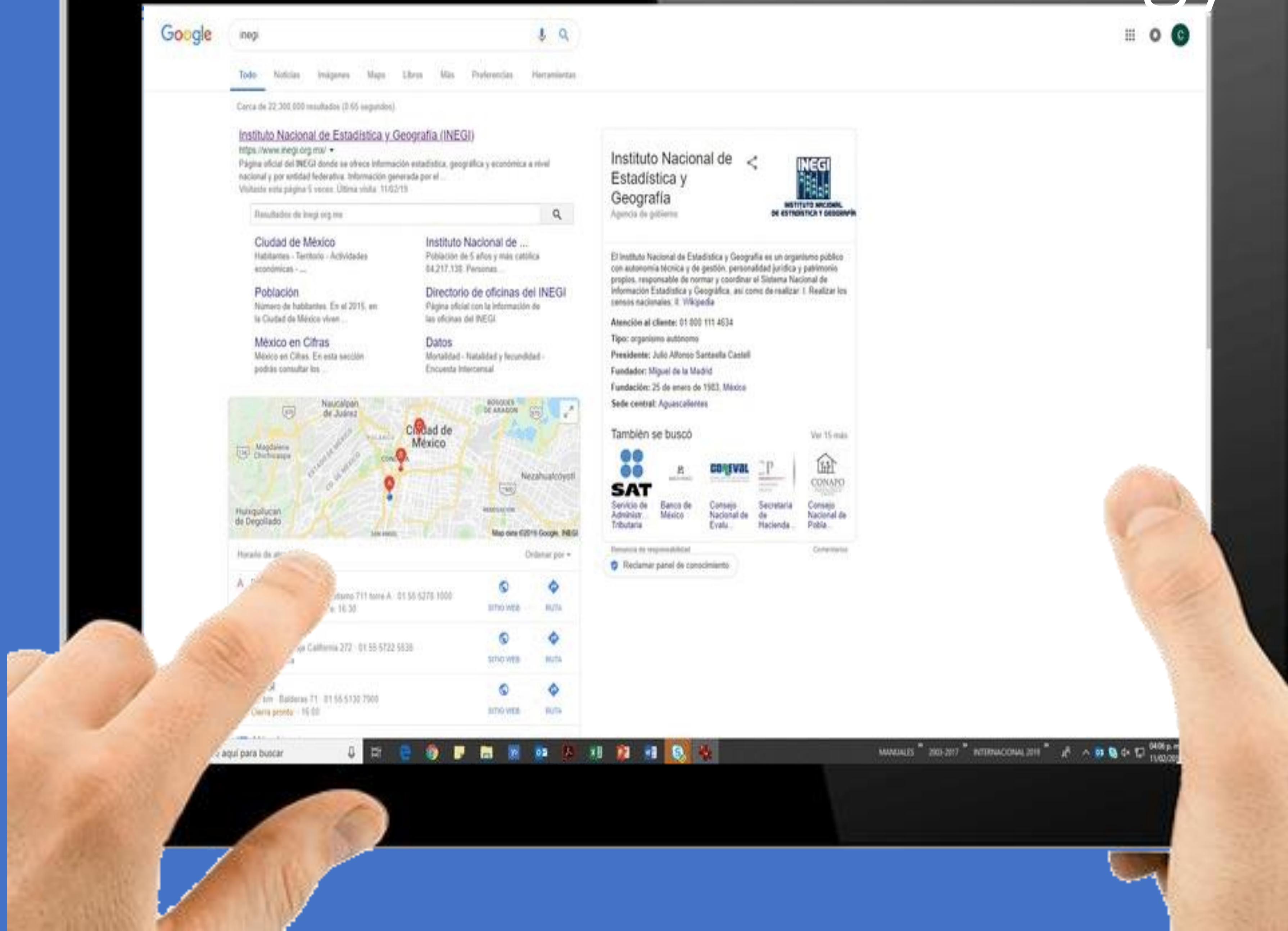
2014



5. Strengths and weakness

Strengths	Weakness
The methodology was jointly agreed with sector, through CONAGUA and with specialized researchers in the subject	Lack of information to address asset accounts
The advances include hybrid supply and use tables; various indicators by economic sector	It is observed that policies focus its priority to social issues, such as poverty, health, education, economic growth; this point of view complicates the wider potential of water accounts
Aligned to the 2008 SNA	The subject is such specialized that it is of interest to a compact group of users
Regularly updated	
Historical series 2003 - 2017	

6. Communication strategy



7. Water accounts and SDG indicators



✓ In Mexico, CONAGUA is coordinating the construction of indicators for Goal number 6

✓ The **Water Accounts** were identified as a potential source for at least two indicators:

- 6.4.1 Change in water-use efficiency over time
- 6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources

6 CLEAN WATER AND SANITATION



Conociendo México

01 800 111 46 34

www.inegi.org.mx

atencion.usuarios@inegi.org.mx



INEGI Informa