NCA informing policy and governance: sharing news and learning from Guatemala

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Inhabitants: 15 M
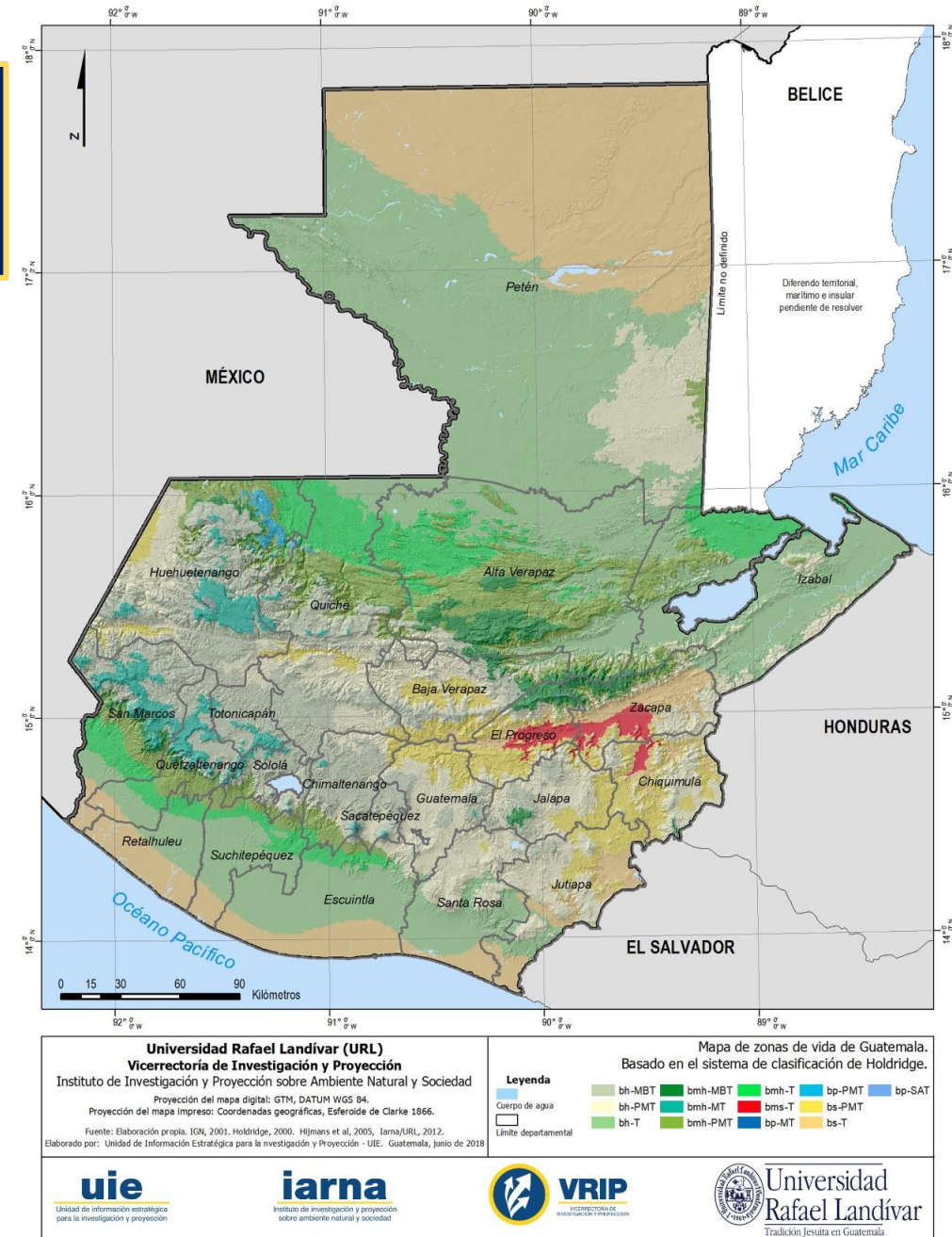Language: Spanish (+22 local)
Located in Neotropics

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1. Ecosystems in Guatemala

Example of NCA and policy on integrated landscape management (ILM)

National classification of ecosystems

- Interest on a national perspective

- Based on live zones (*sensu* Holdridge)

- It offers a suitable platform for scaling-up

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1.- Green Climate Fund Project

Project: Building livelihoods resilience to climate change in the upper basins of Guatemala

Accredited Entity: UICN -Guatemala
Starting on January 2020

GCF: USD 22M
Korean Government: USD 10M
Guatemalan Government: USD 11M

Main focus: Ecosystem based adaptation
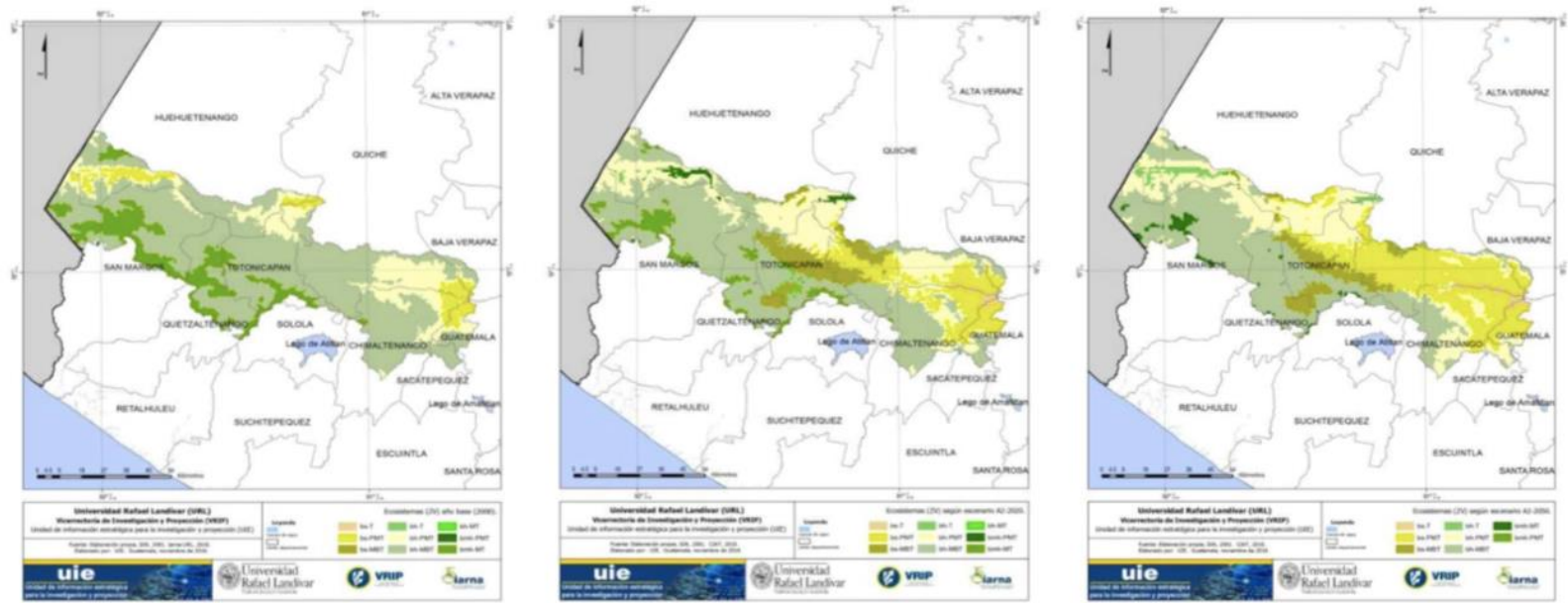- Deforested areas
- Services that can be provided

Figure 1: Climate change scenarios in Guatemalan Highlands by life zones (*sensu* Holdridge). Base = year 2000, projection to 2020 and 2050.
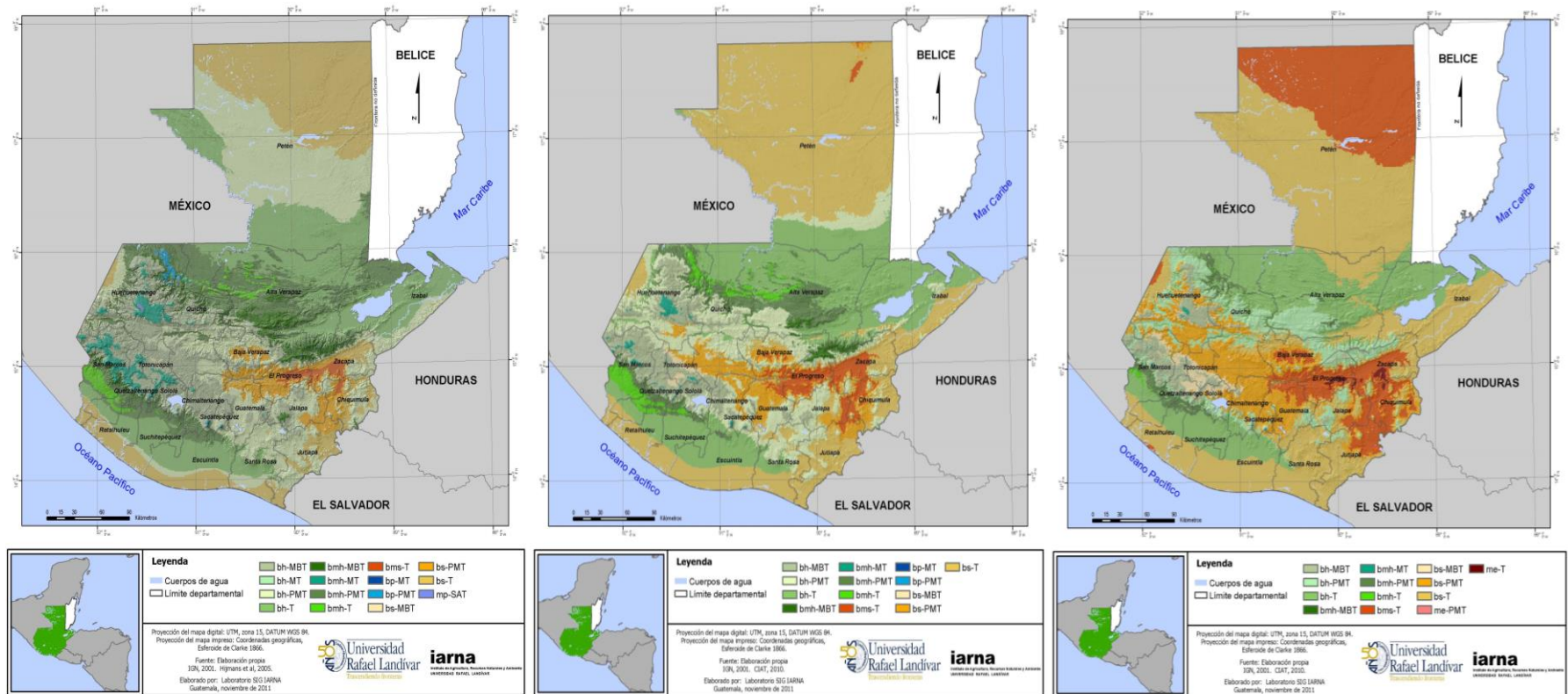
2.- Forest and Environmental Fiscal Policy

- Forest and Ecosystem Accounts are a suitable way to explain the importance of forest at the national level
  - Forest National Institute is lobbying to increase Budget

- Environmental Fiscal Policy
  - Ministry of Finance is preparing fiscal policy based on NCA

- Policy analysis:
  - Identification of forest restoration areas, depending upon provision of ecosystem services

3.- Climate change in Guatemala

Climate change:

- Food security and nutrition policy

- Identification of áreas of water shortages
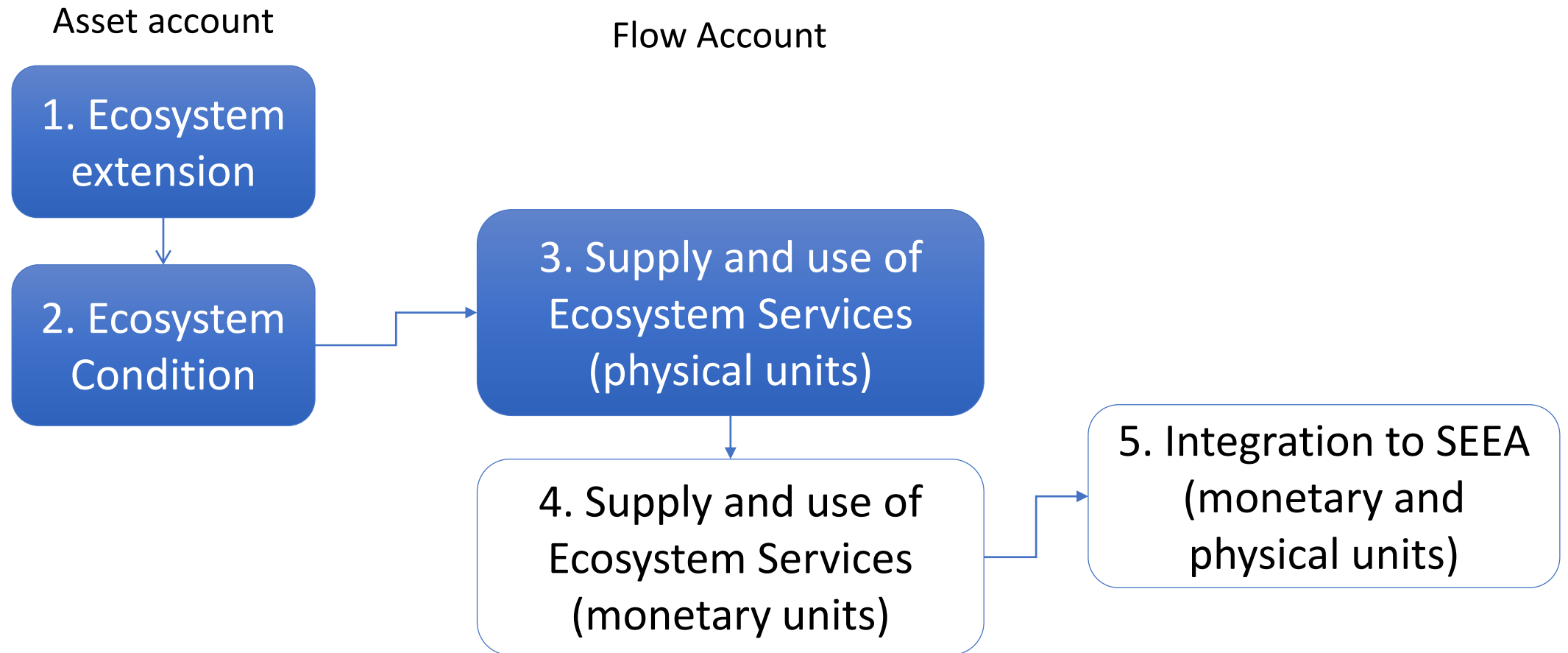
- Impact on agriculture production

Base line: Year 2015

Scenario A2: Year 2050

Scenario A2: Year 2080

General structure of the EEA - Guatemala

Asset account

Flow Account

1. Ecosystem extension

2. Ecosystem Condition

3. Supply and use of Ecosystem Services (physical units)

4. Supply and use of Ecosystem Services (monetary units)

5. Integration to SEEA (monetary and physical units)

Institutional arrangements for SEEA

- Leading governmental agency
  - Secretariat of Planning: Organizing governmental institutions
  - Participating seven governmental agencies

- Validation of data and information
  - National Institute of Statistics

- Compilation of data and generation of tables
  - University Rafael Landivar
  - National Institute of Forest

Thanks

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