

COUNTRY PILOT STUDY

Colombia – Proposal Phase

Alexander von Humboldt Institute for Research on Biological Resources

Wednesday 27 February 2019, Nairobi



United Nations
Environment Programme

UN Environment
The Economics of Ecosystems and Biodiversity
Agriculture & Food (TEEB AgriFood)

Foto: Jorge Luis Contreras Herrera

teebweb.org

Colombia: Alexander von Humboldt
Institute for Research on Biological Resources

COUNTRY PILOT STUDY

Colombia – Proposal Phase

Alexander von Humboldt Institute for Research on Biological Resources

Wednesday 27 February 2019, Nairobi



United Nations
Environment Programme

UN Environment
The Economics of Ecosystems and Biodiversity
Agriculture & Food (TEEB AgriFood)

Foto: Jorge Luis Contreras Herrera

teebweb.org

Colombia: 1st. Stage: Pre - scoping

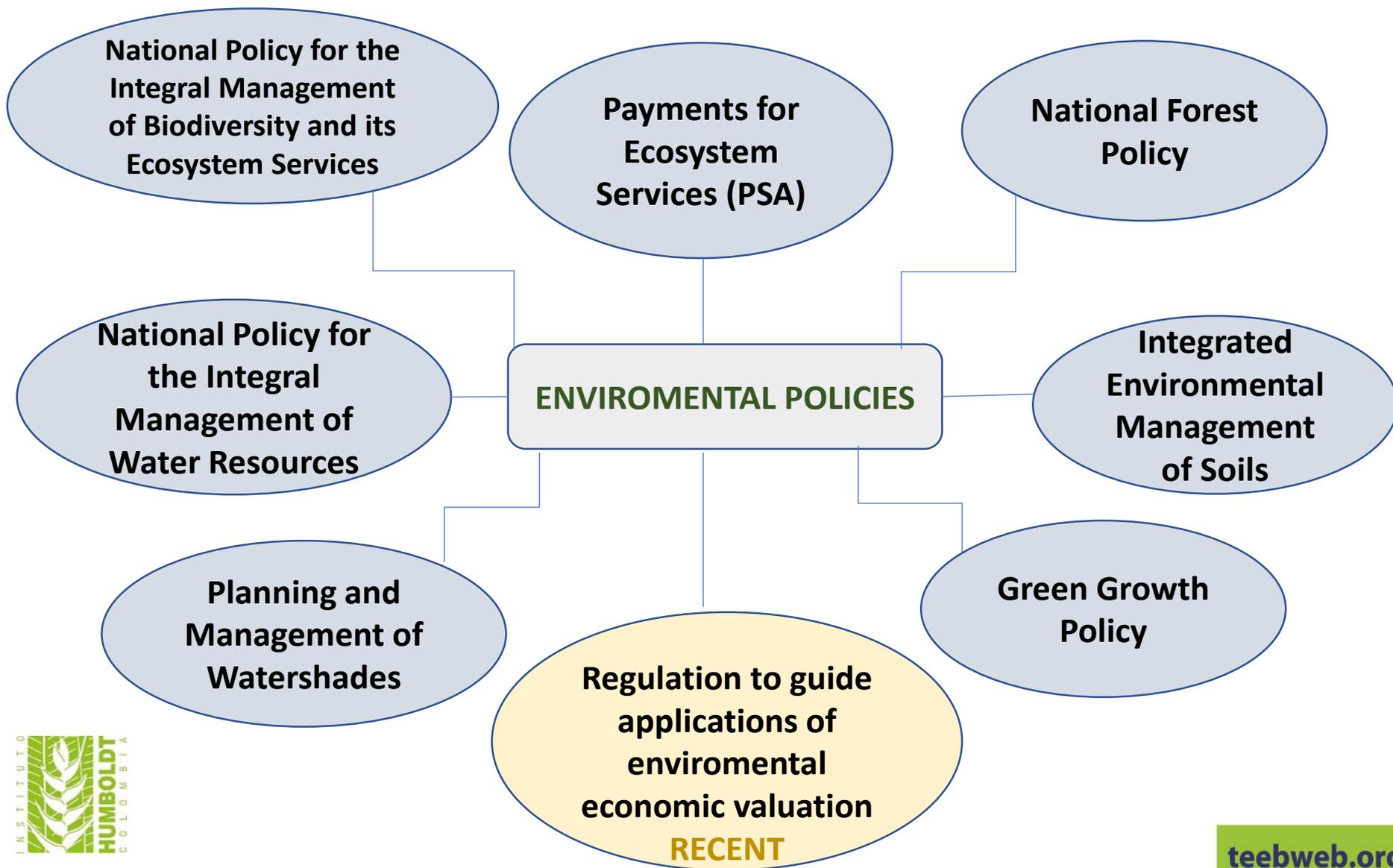


Foto: Jorge Luis Contreras Herrera

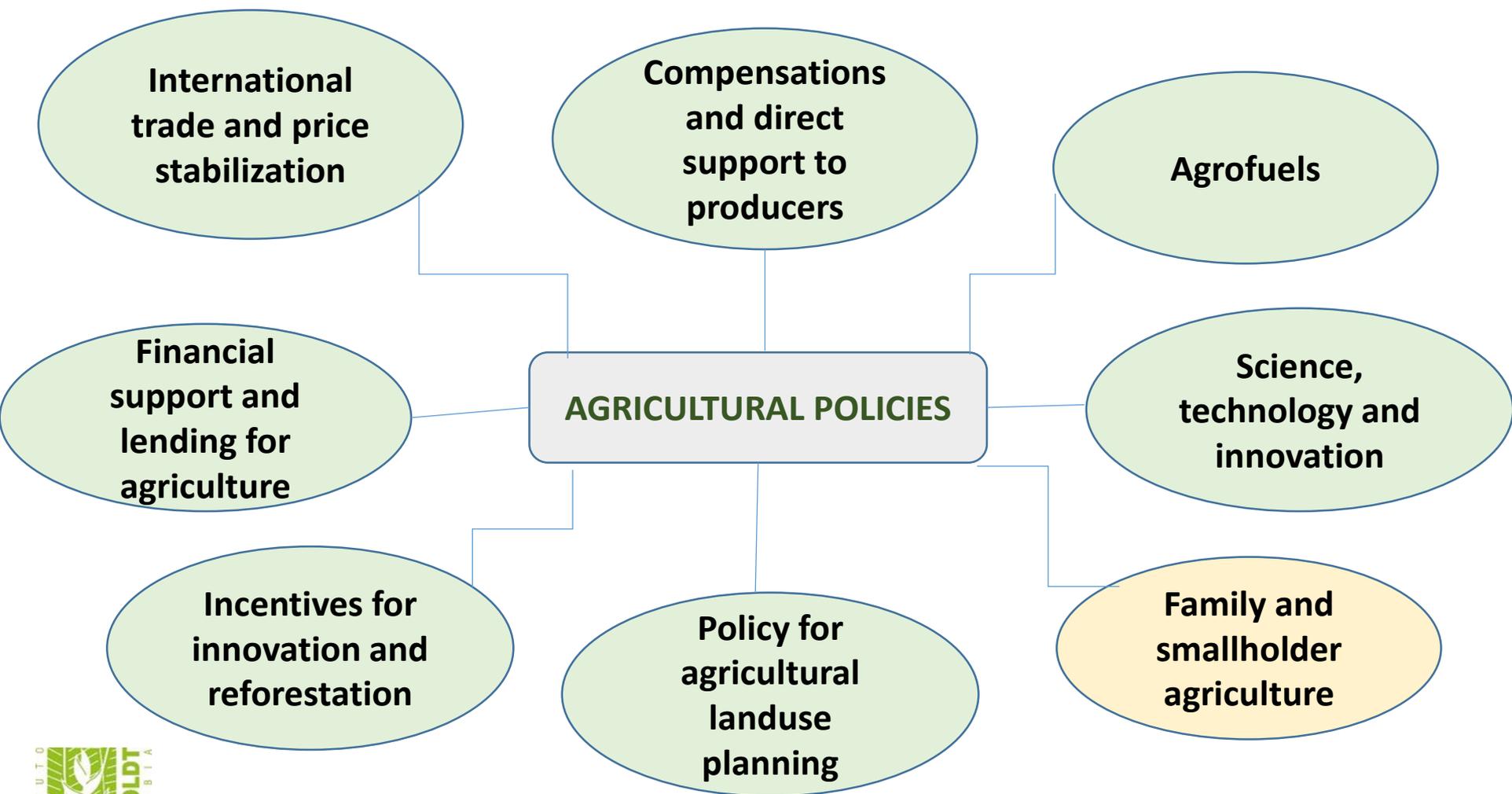
1. Background Study :

“Current status of the agriculture and environment policies and regulations context to guide policy makers”

Colombia: Environmental and Agricultural Policies Context



Colombia: Environmental and Agricultural Policies Context





1st. Stage:

2. Institutional scoping workshop

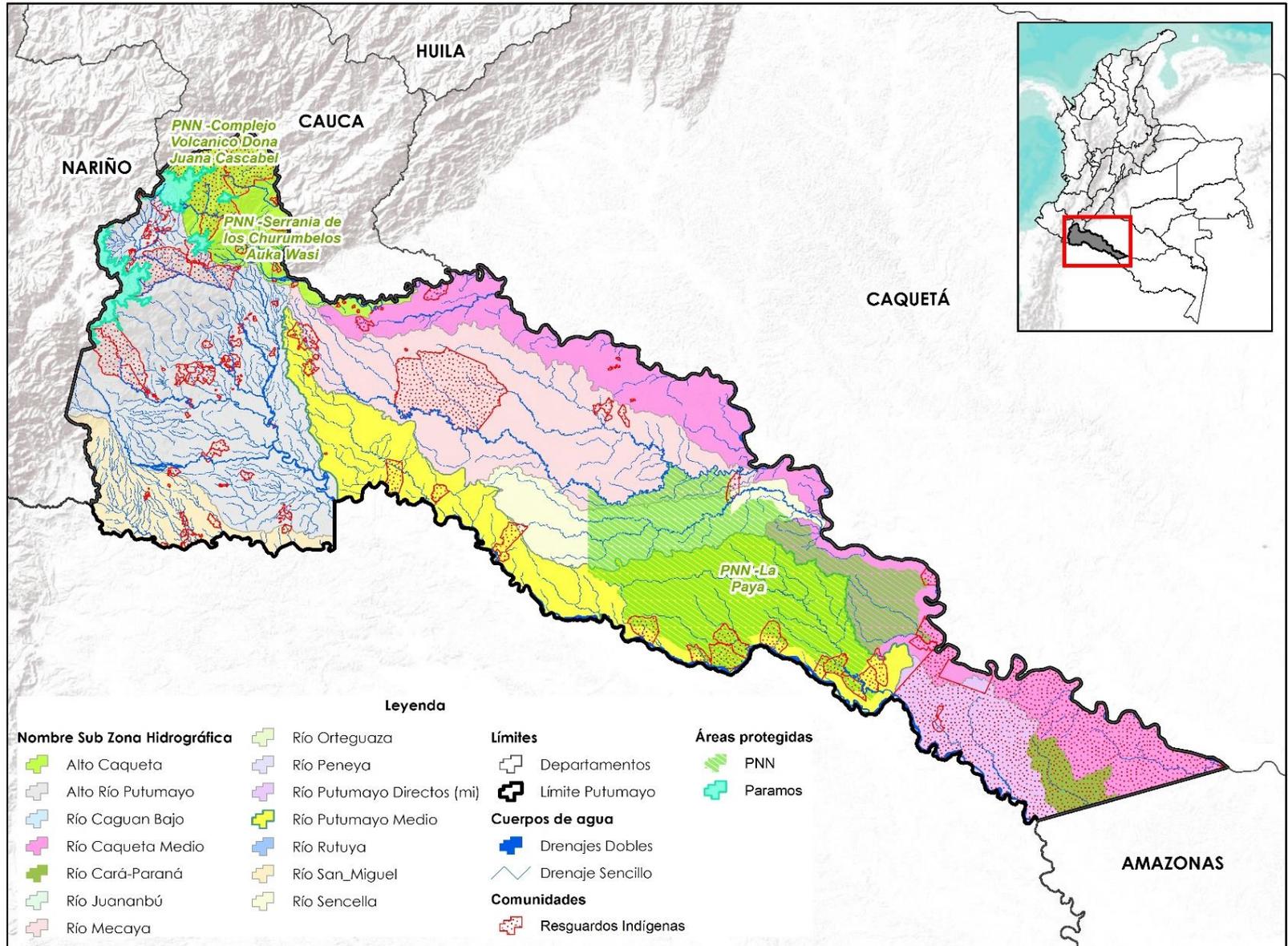
- From ecosystems to landscapes

Putumayo Department

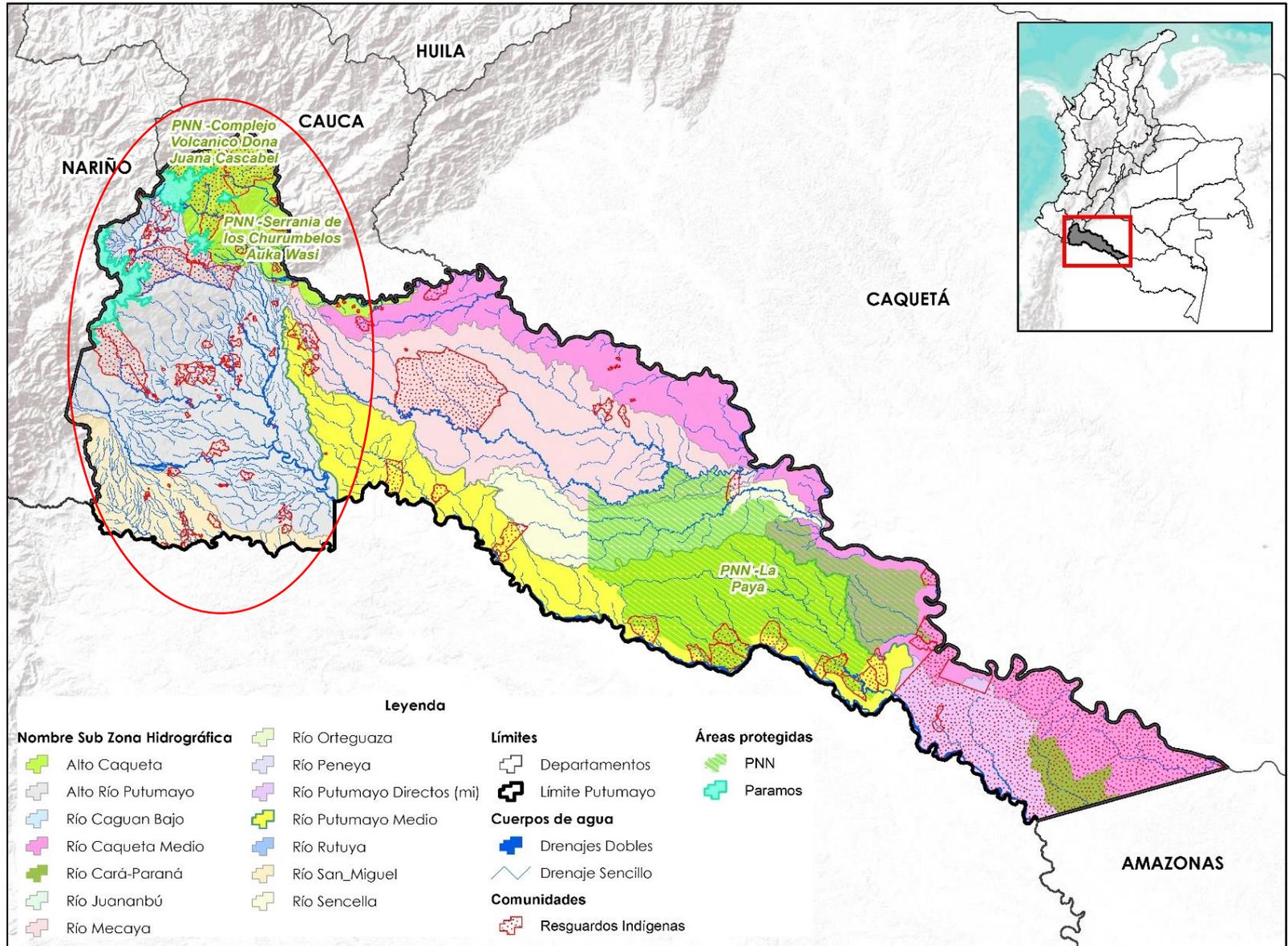


Google Earth

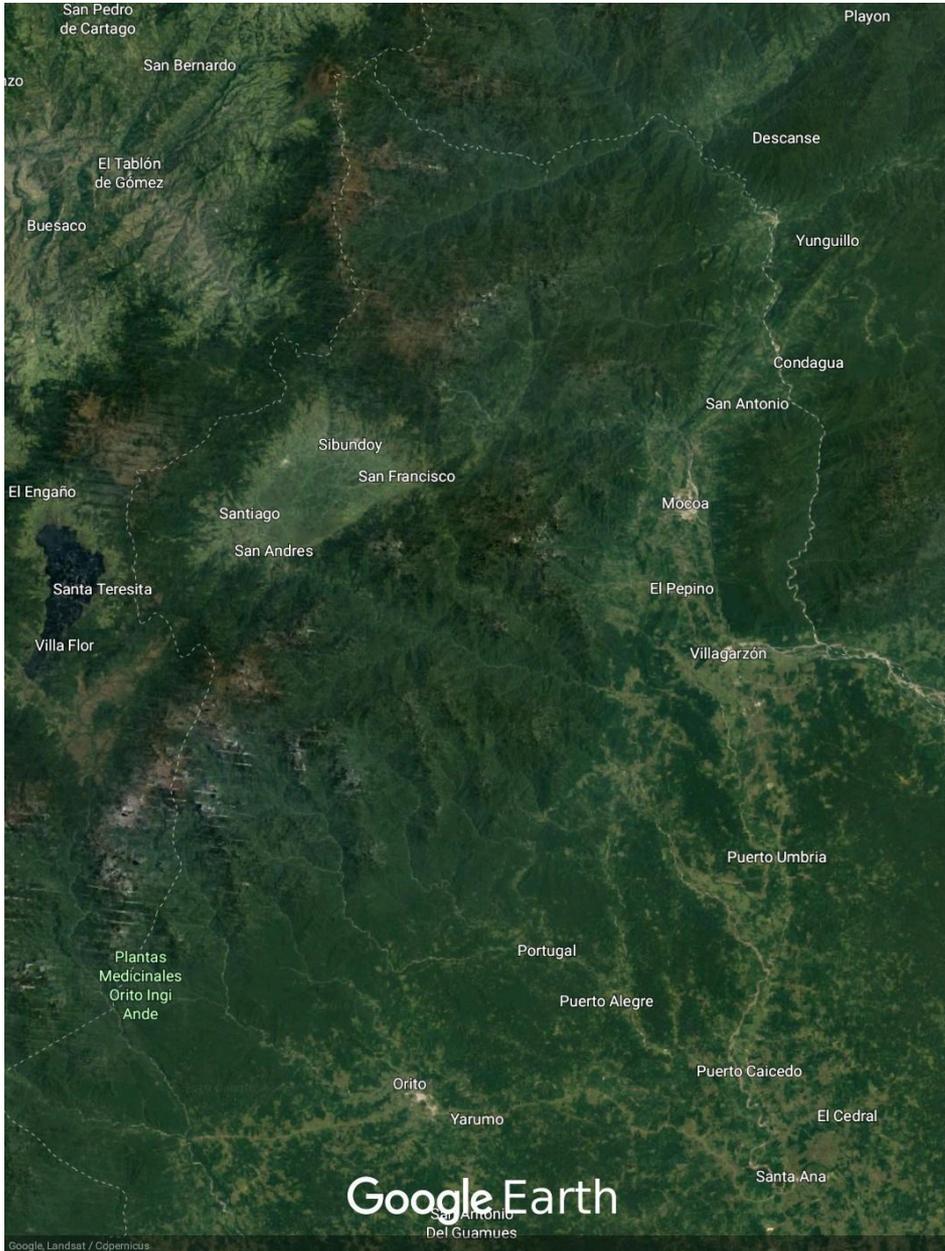
COLOMBIA: Putumayo



COLOMBIA: Putumayo



COLOMBIA: Putumayo – Piedemonte

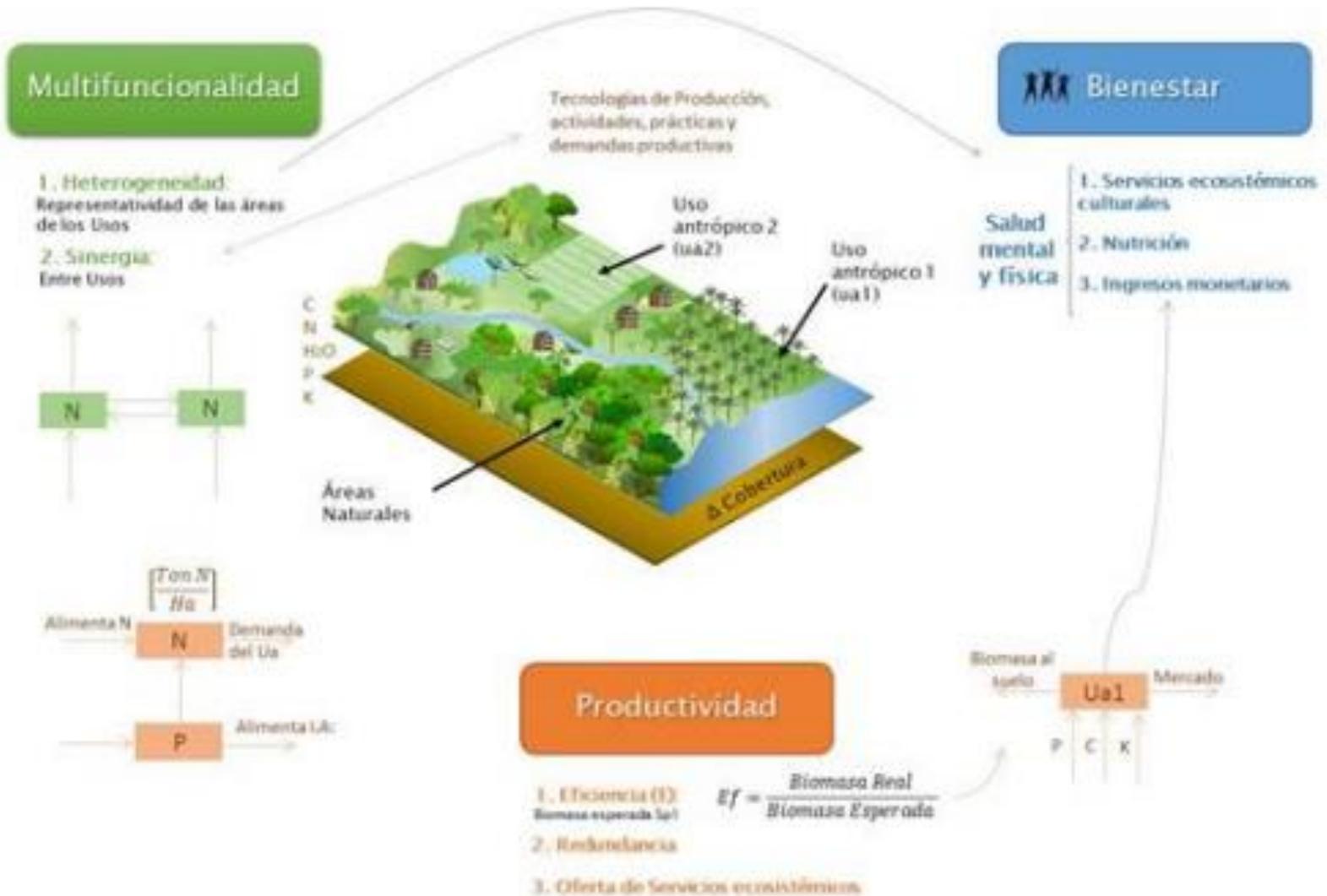


- 85% forest
- Information available!!
- Fertile soils apt for cultivation and agroindustry
- Potential for NTFP and local sustainable production
- Conflict with extensive cattle ranching
- Deforestation by land use change

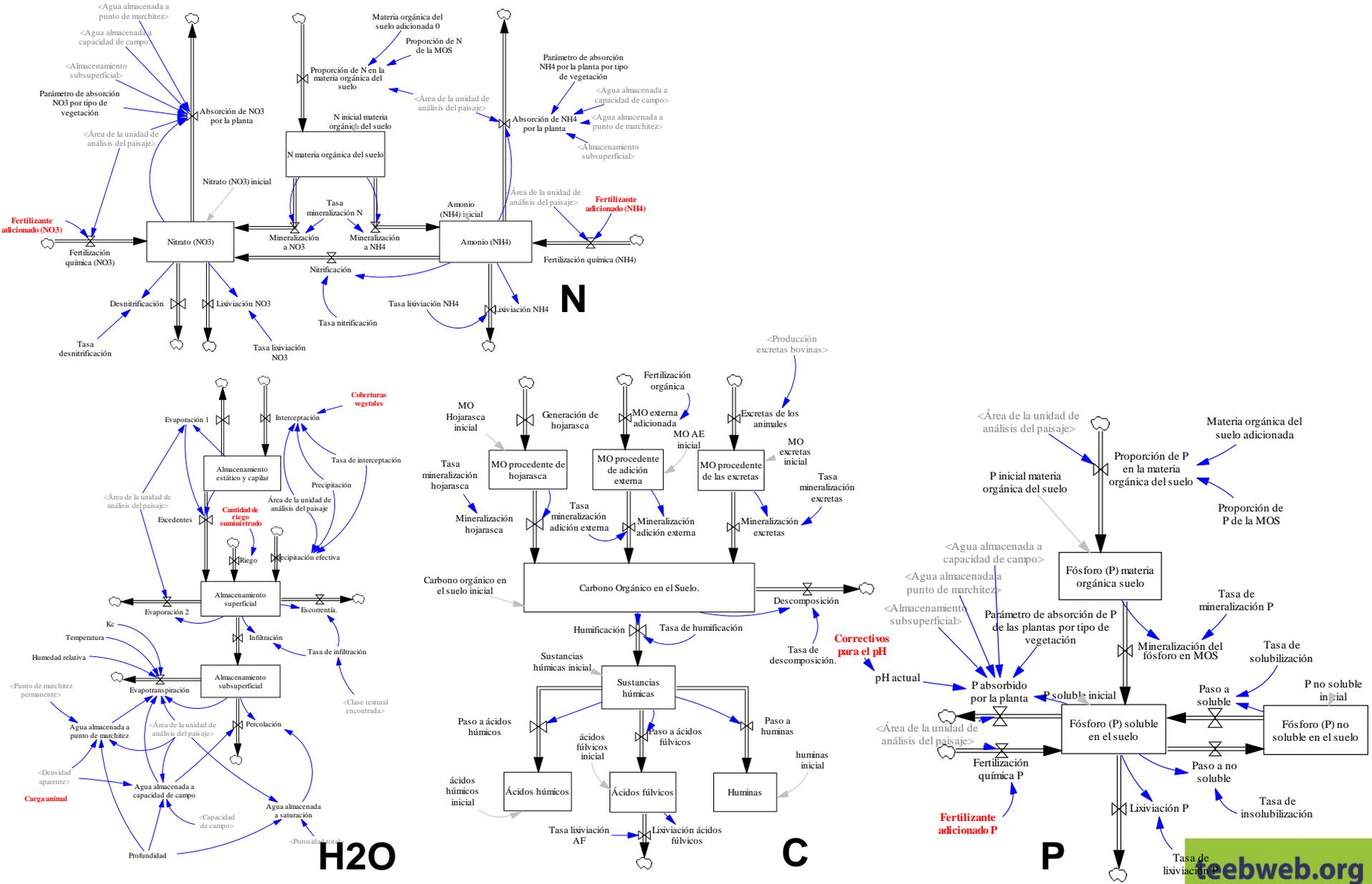
Related Experience

- Integrated Valuation of Biodiversity and Ecosystem Services
- Evaluation of Biodiversity and Ecosystem Services of Tropical Dry Forest
- Environmental Strategic Assessment of Policies, Plans and Programs
- Supply and Demand for Ecosystem Services in the *Altillanura* area – Next example

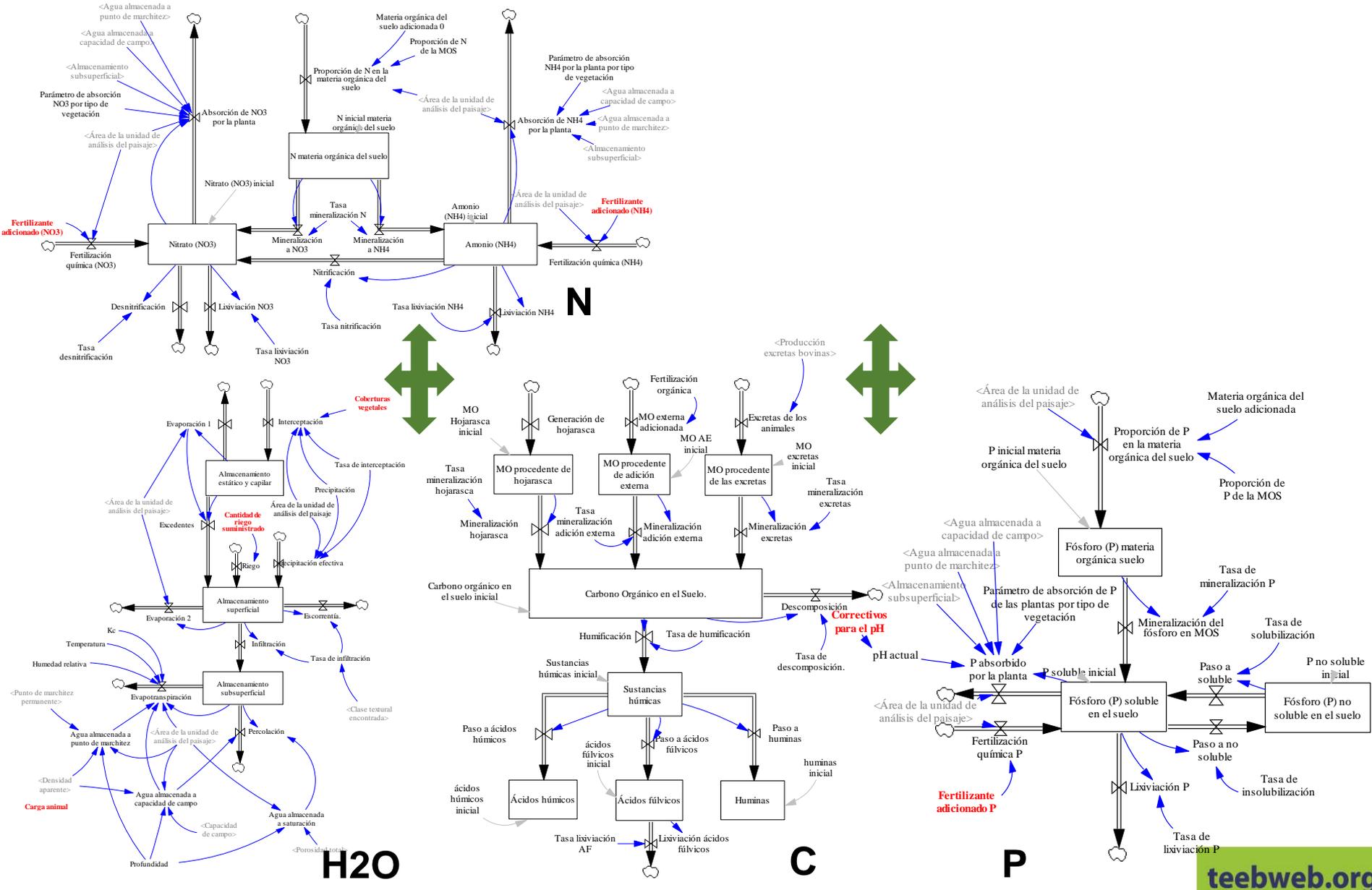
Landscape approach



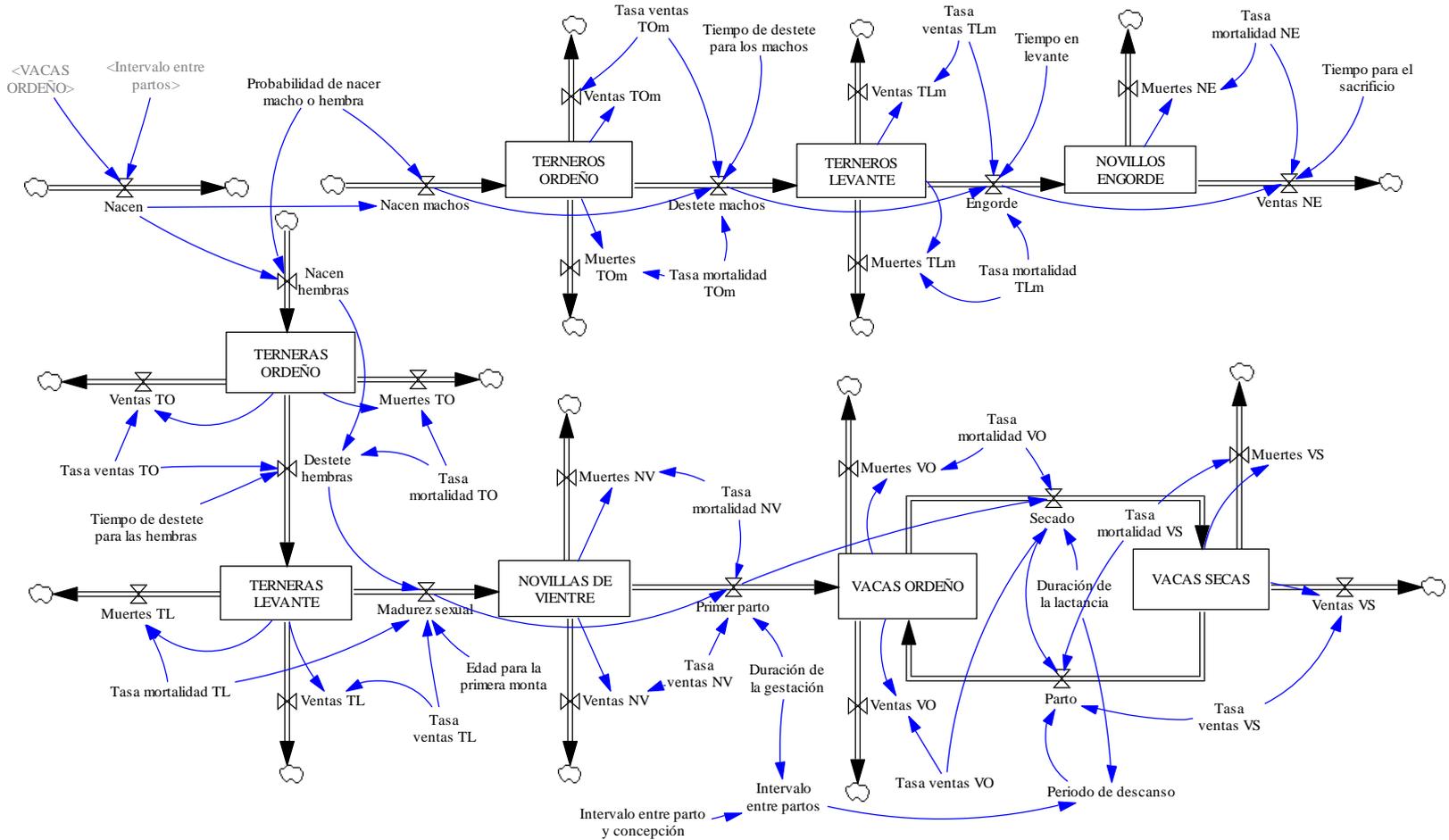
Colombia: Ecosystems services



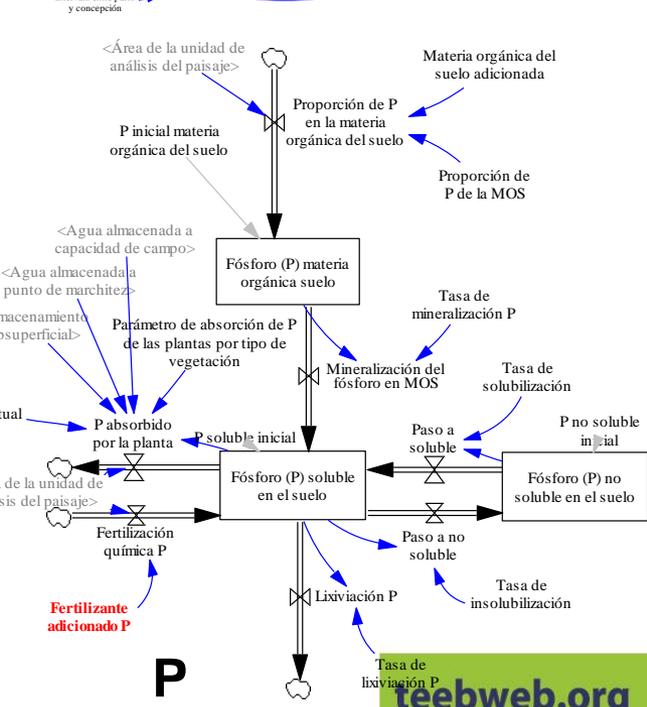
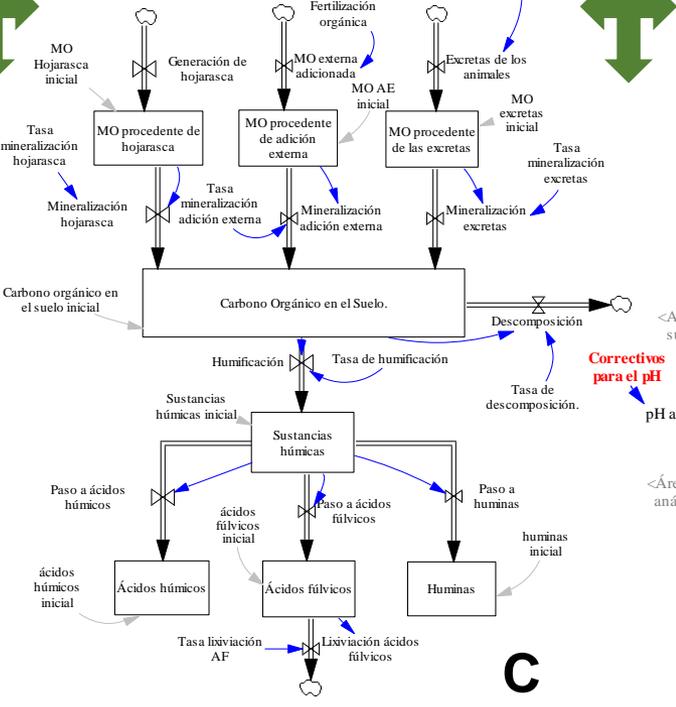
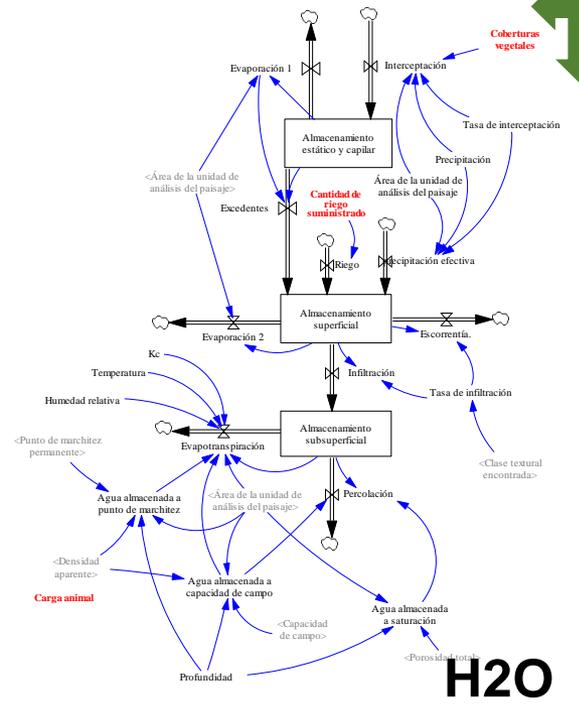
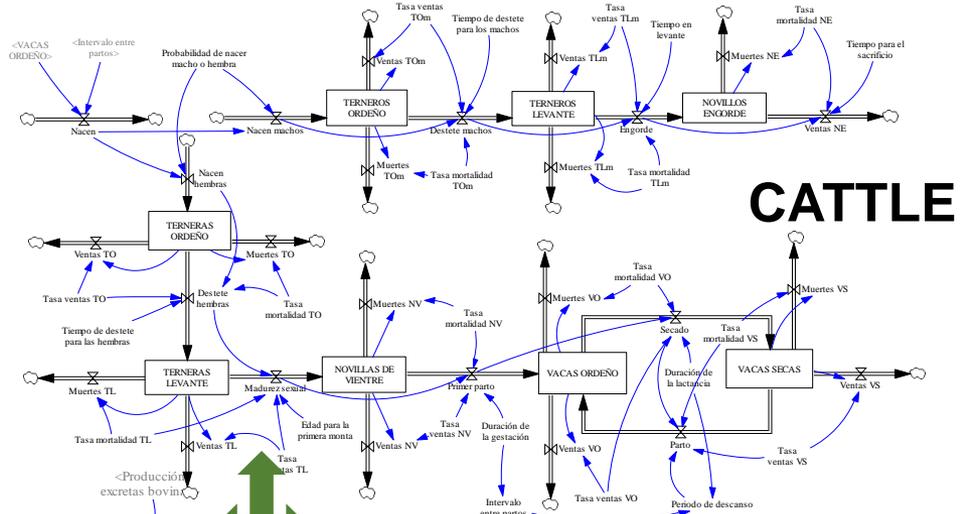
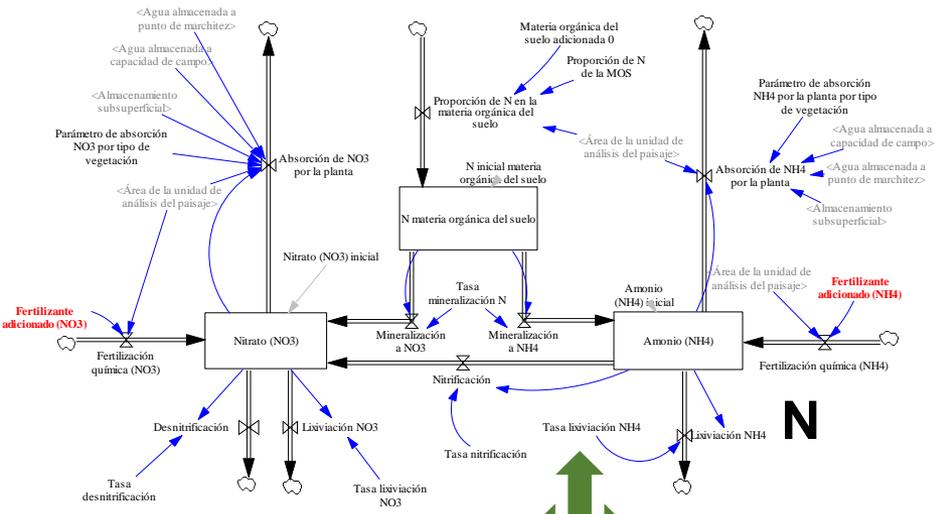
Colombia: Ecosystems services



Colombia: Cattle

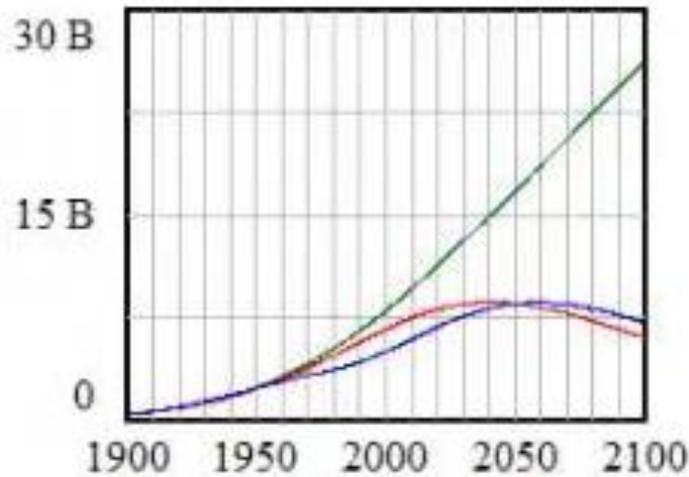


Colombia: Landscape Approach

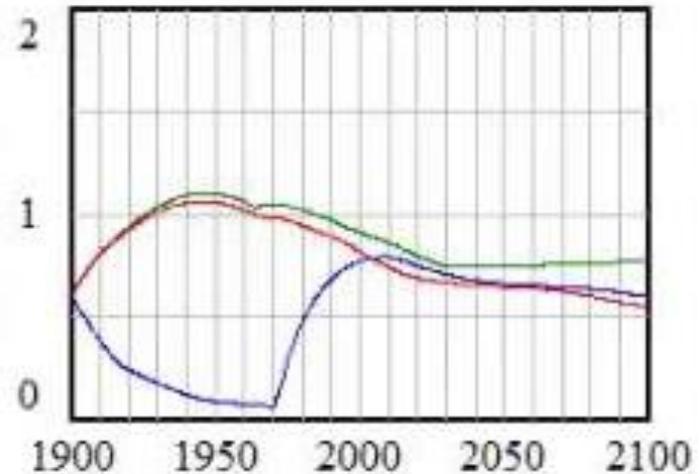


Colombia: Dynamic Systems Scenario Analysis

Time Series



Space States



Scale were a significant portion of the externalities are internalized and made visible

Colombia: Informing policies and generating buy-in

Objective

Generate scientific evidence of the socio-economic and environmental impacts of different land use scenarios in Putumayo, to guide the agricultural, environmental and land-use planning policies.

1. Indigenous communities engagement and co-production
2. Permanent articulation with political stakeholders
3. Communications Strategy
4. Incorporation into National Assessment of Biodiversity and Ecosystem Services (IPBES methodology and NCP conceptual framework)





Foto: Jorge Luis Contreras Herrera

Challenges:

- Incorporating the agricultural decision makers
- Time frame
- Post-conflict process
- We are not an environmental authority entity

Lessons learned:

- Work with the communities transversally
- Articulate and communicate

COLOMBIA: Putumayo - Serranía de Los Churumbelos



Jorge Luis Contreras Herrera

¡GRACIAS!
THANK YOU!