

**Ministerio del
Medio
Ambiente**

Project for Ecosystem Services (ProEcoServ)

San Pedro de Atacama -Chile

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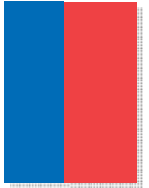
Roberto Villablanca, rvillablanca.2@mma.gob.cl

SUBREGIONAL WORKSHOP FOR SOUTH AMERICA ON
VALUATION AND INCENTIVE MEASURES

Santiago de Chile, 15–17 May 2012

Gobierno de Chile

Project Background



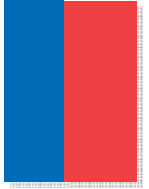
- **MILLENIUM ECOSYSTEM ASSESSMENT**
- **2003 - 2005**
- Sub Global Assessment (SGA) in San Pedro de Atacama



- **PROECOSERV**
- **2010 - 2014**
- www.proecoserv.org



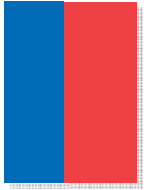
Objective



To contribute to the use of ecosystem service assessments, piloted by the Millennium Ecosystem Assessment, in **mainstreaming biodiversity conservation and Ecosystem Services (ES)** into poverty reduction and sustainable development planning.



Components



1. Policy Support Tools

1.1 Decision- and policy-makers have access to strengthened capacity and advisory services to analyse how decisions affect selected bundles of ecosystem services, incorporating resilience, risk and Uncertainty factors.

1.2 Improved understanding in international fora of the potential for the development of new financial mechanisms for ecosystem services

2. Policy Environment

2.1 Increased awareness and involvement of targeted stakeholders in ecosystem services management in the pilot countries.

2.2 Ecosystem services are considered for integration into socio-economic, political and legal Instruments.

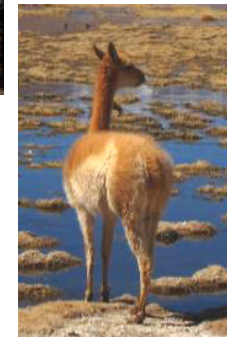
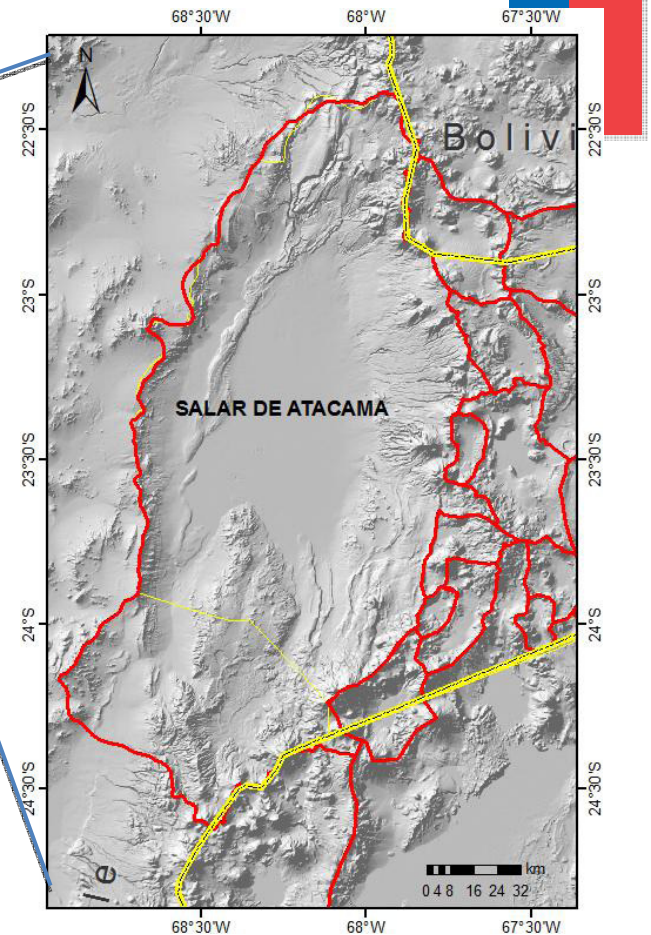


Study Area

At Atacama desert, north of Chile, comuna of San Pedro de Atacama

Mining ↑, tourism ↑ and
subsistence agriculture ↓
use ES.

Home`s of *Atacameñan*
culture



Study Area

Hot spot andean biodiversity

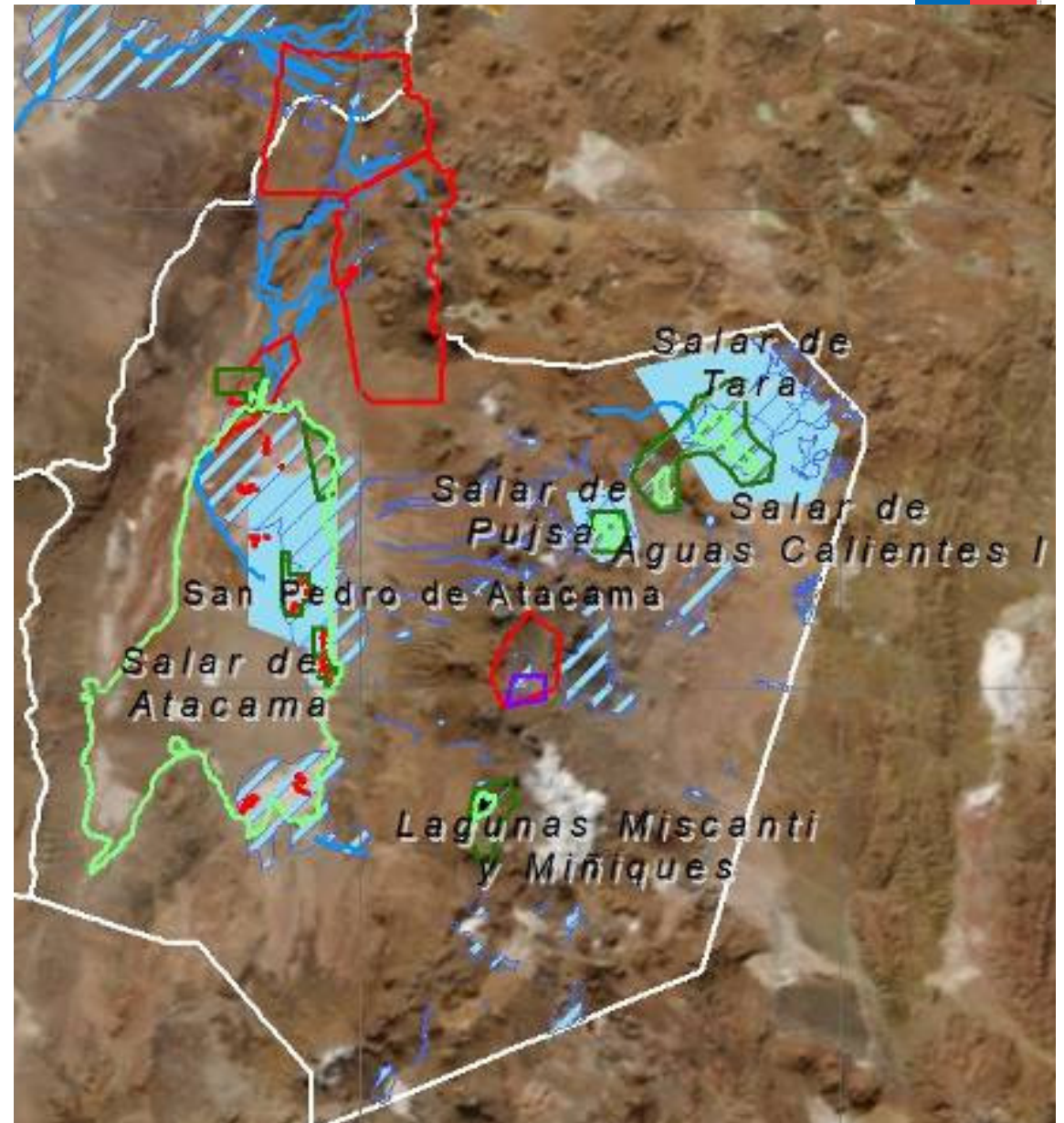
- Flamingos
- Vicuña
- Andean cat
- Wetlands

Protected Areas

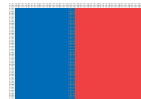
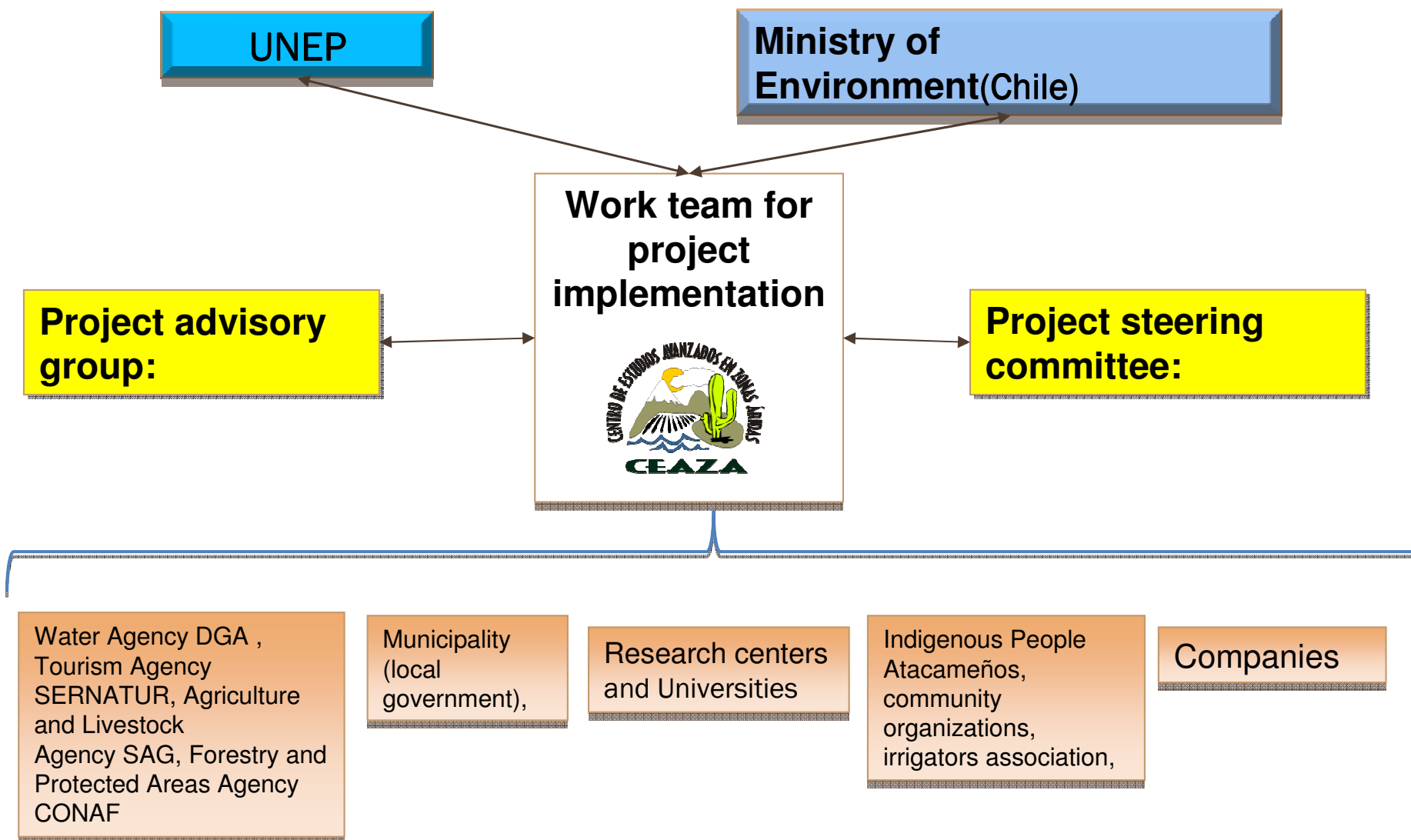
- SNASPE (RNLF)
- RAMSAR wetlands
- Nature Sanctuary,
- Prioritary BD sites

Co-management of biodiversity

- Gobierno together w/ Atacameñan Communities

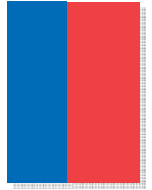


Organigram Chile

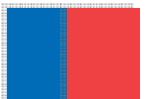


Project steering committee:

Conformed at November 03-04, 2011 in San Pedro de Atacama (Project's Launch)



1. Municipality of San Pedro de Atacama (President)
2. Ministry of Environment MMA (Regional Secretary)
3. Ministry of Mining MINMINERIA (Regional Secretary)
4. Ministry of Agriculture MINAGRI (Regional Secretary)
5. General Director of Water –DGA
6. National Tourism Service -SERNATUR
7. National Forest Corporation – CONAF
8. National Indigenous Development Corporation - CONADI
9. Undersecretary of Regional Development - SUBDERE
10. People Atacameño Council (Indigenous association).
11. Atacameño's Councilman to CONADI.
12. Irrigators Association of San Pedro de Atacama





Project advisory group

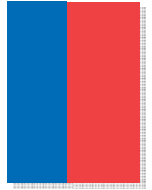
**Conformed at March 14, 2012 in San Pedro de Atacama
(Workshop Activities)**



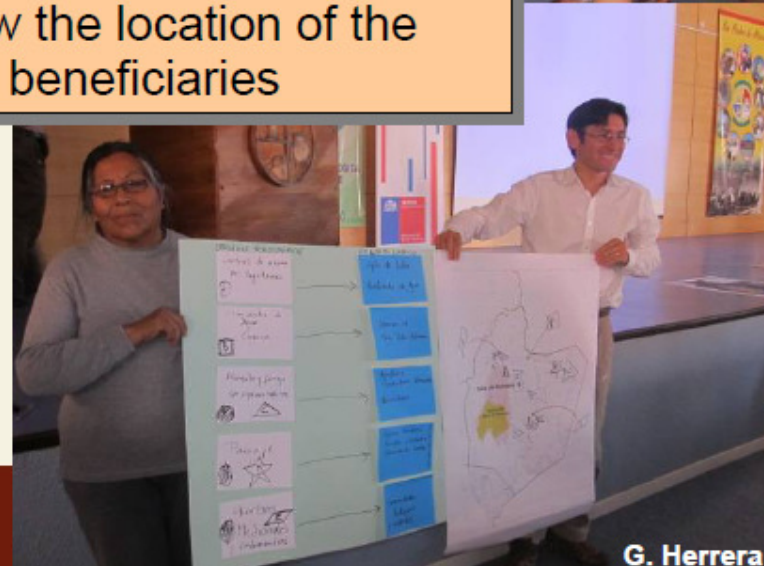
- Atacama indigenous communities
- Regional Councillors
- Ministry of Public Works, Planning, National Assets
- Agriculture and Livestock Agency (SAG)
- Forestry and Protected Areas Agency CONAF
- Agricultural Development Institute(INDAP)
- National Irrigation Commission(CNR)
- Universities Católica del Norte
- Universities de Antofagasta
- Rural Water Association
- Association of Tourism and Environment
- Business Astronomical Observatories
- SME associations.
- Councillors Municipality of San Pedro de Atacama
- Associations of Artisans.
- environmental organizations.
- mining Companies
- Ministry of Environment
- Development agencies SERCOTEC, FOSIS, CORFO, INNOVA, otros.,



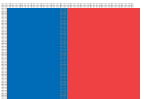
Workshop Activities March 14th, 2012 – San Pedro de Atacama



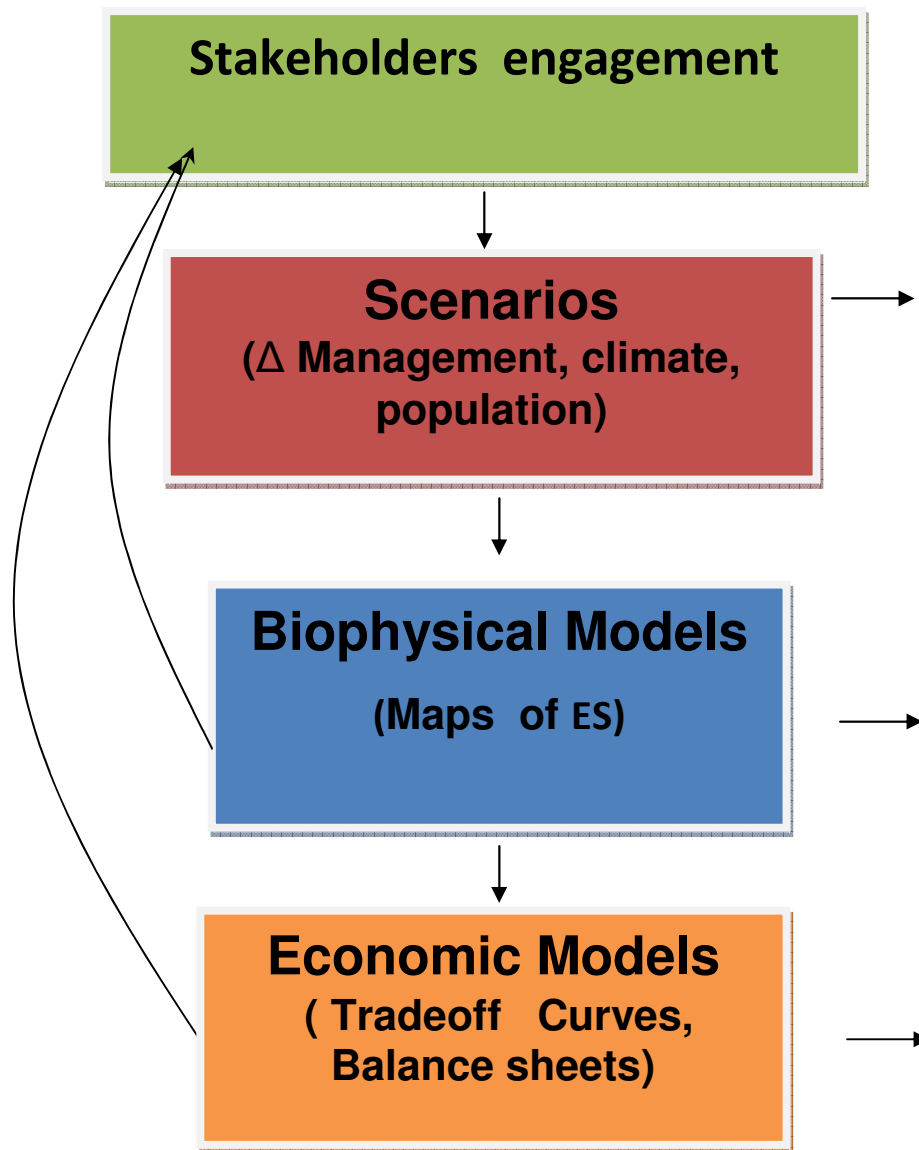
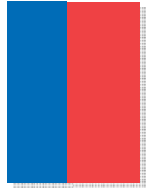
- Put the origin (source) of the ES on the map.
- Draw the location of the beneficiaries



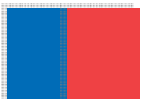
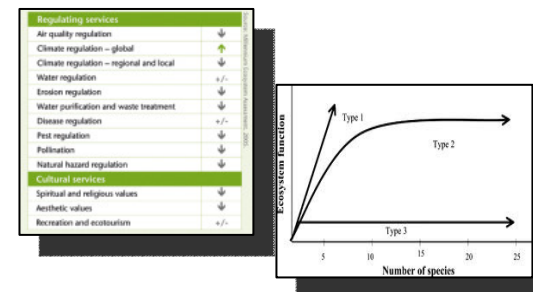
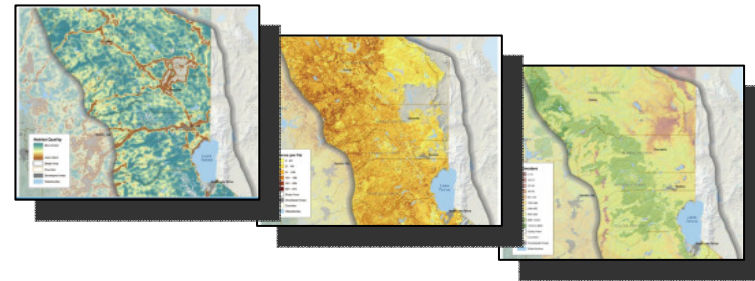
G. Herrera



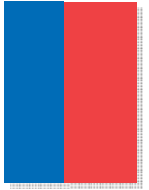
Mainstreaming strategy



Tools



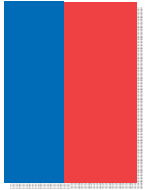
Main Activities and Products (Policy support tools)



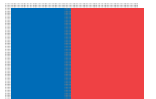
1. Spatial mapping of ES
2. Trade-off matrices produced across ecosystem services, and competing natural resource uses and human well-being
3. Decision support systems (DSS) to guide decision makers on choosing development strategies, which ensure sustainable flow of selected bundles of ecosystem services.
4. Scenarios produced for the bundle of ecosystem services under different plausible futures
5. Scoping for innovative international markets for ecosystem services

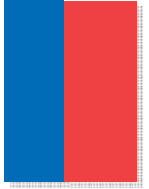


Main Activities and Products (Policy environment)



1. An ecosystem services strategy developed for selected Small & Medium Enterprises (SMEs)
2. Partnerships built for public-private cooperation for ecosystem management
3. Ecosystem services are considered for integration into socio-economic, political and legal instruments
4. Promotion of equitable and pro-poor economic and financial incentives for sustaining ecosystem services
5. Pilot studies conducted on investment in ecological infrastructure to ensure an accepted minimum and sustainable flow of selected ecosystem services.





Partial results in half year of implementation

Close engagement of decision makers and beneficiaries

Review of valid tools and decision-support models (InVEST, ARIES)

Preliminary identification of ES (Local Vision and expert criteria)

Preliminary results regarding water balance at the basin level (emphasis on Atacama's salt flat)





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.....Ckantatur

(is Thank you!!, in cunza's language)