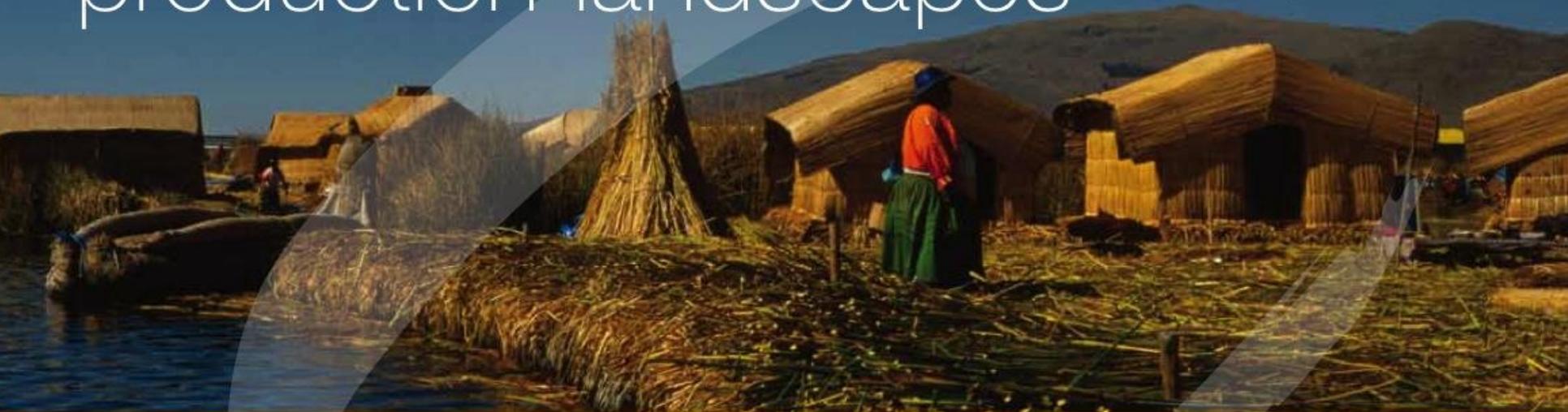


# Indicators for resilience **of socio-ecological** production landscapes



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# Socio-ecological resilience indicators

•Bringing together communities, scientists, conservations and other actors to strengthen communities' capacity to adapt to change while maintaining biodiversity.

- 4 categories comprising 20 indicators:

- Ecosystem services and biodiversity conservation
- Agricultural biodiversity
- Knowledge, learning and innovation
- Social equity and infrastructure



# Testing sites

- IPSI partners in Cuba and Kenya.
- Community Development and Knowledge management for the *Satoyama* Initiative (COMDEKS).
  - Brazil, Cambodia, Ethiopia, Fiji, Ghana, India, Malawi, Nepal, Slovakia and Turkey
- Main lessons

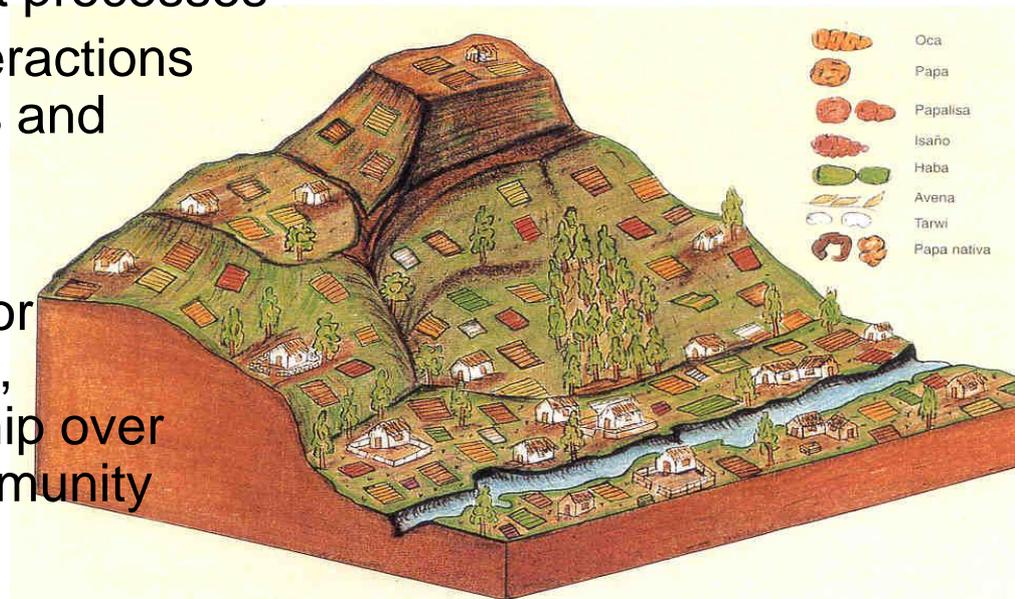
Indicators help to reach a common understanding of threats and solutions, and define resilience-strengthening strategies (e.g., improving the access to seeds, tree planting, protecting sacred sites, reducing deforestation/reforestation, exchanging knowledge).



Photographs Yasu Morimoto

# Conclusions from IPSI-3

- Need to test the indicators in a wider range of landscapes and seascapes
  - Mixed agrarian landscapes
  - Forest, agro-forestry and pastoral systems
  - Wetland, coastal and highland areas
- The indicators need to capture
  - regeneration and enrichment processes
  - and the landscape-scale interactions between production systems and communities.
- The indicators should be a tool for communities to monitor changes, strengthen the sense of ownership over their resources and support community institutions.



# Contribution to Aichi targets

- **Target 7: By 2020 areas under agriculture, aquaculture and forestry are managed sustainably, ensuring conservation of biodiversity.**
- **Target 11: By 2010, at least 17% of terrestrial and inland water, and 10% of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved** through effectively and equitably managed, ecologically representative and well connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscapes and seascapes.
- **Target 14: By 2020, ecosystems that provide essential services, including services related to water, and contribute to health, livelihoods and well-being, are restored and safeguarded, taking into account the needs of women, indigenous and local communities, and the poor and vulnerable.**