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Indicators of Resilience in Socio-ecological Production Landscapes and Seascapes (SEPLS)

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The Satoyama Initiative

- Aims to realize “**societies in harmony with nature**” through mainstreaming **biodiversity** into **production landscapes and seascapes**
- Promotes **revitalization** and **sustainable management** of “**Socio-ecological Production Landscapes and Seascapes**” around the world



Socio-ecological Production Landscapes and Seascapes (SEPLS)

- Support **biodiversity** while providing humans with the **goods and services** needed for their well-being
- **Mutual benefits** between human production and nature
- **Dynamic mosaics** of habitats and land uses
- Deeply linked to **local culture and knowledge**



Socio-ecological production landscapes and seascapes are found around the world

Spain (*Dehesa*)



Korea (*Mauel*)



Cambodia
(*Srair-Chamkar*)



Malawi (*Chitemene*)



Home gardens



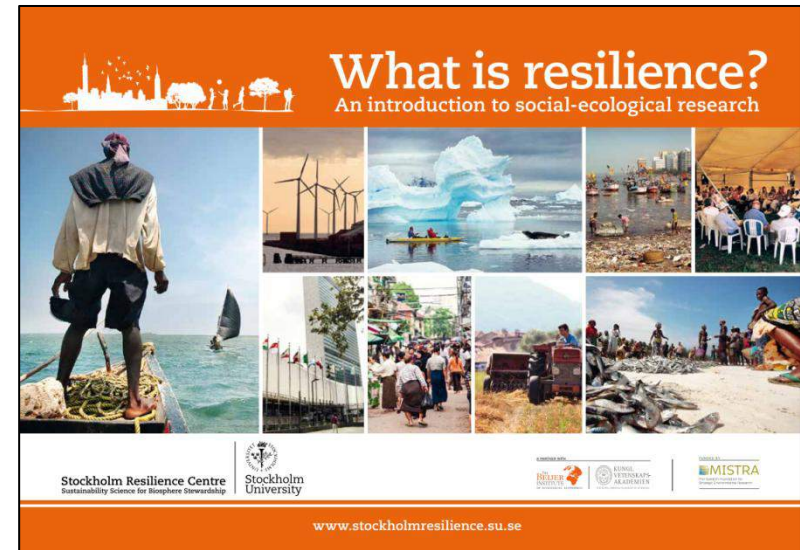
Philippines (*Muyong*)



- Both inside and outside protected areas!

Resilience and SEPLS

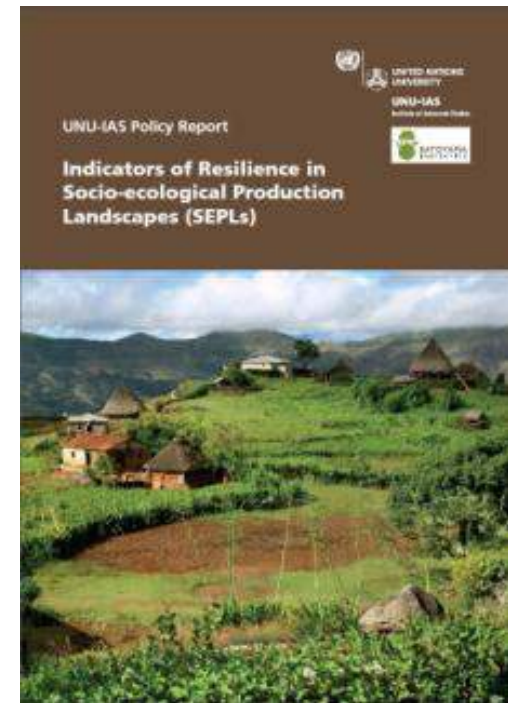
- “Resilience is the capacity of a system,...a forest, a city or an economy, to deal with change and continue to develop. It is about the capacity to use shocks and disturbances...to spur renewal and innovative thinking.”
– Stockholm Resilience Centre



- A dynamic mosaic of habitats, land and sea uses can **strengthen resilience** of a landscape or seascape
- Factors include: effective governance, infrastructure, social equity, income diversity, local knowledge, etc.

Indicators of Resilience in SEPLS

- A collaborative activity under the International Partnership for the Satoyama Initiative (IPSI)
- A set of **20 indicators** was developed by Bioversity International and UNU-IAS



- The indicators have been applied and field-tested in more than 20 countries by Bioversity International and UNDP-COMDEKS

Indicators of Resilience in SEPLS

- A tool for local communities:
 - to **understand the status** of their landscapes/seascapes
 - to identify ways to **increase resilience**
 - to **enhance participation** and communication with different stakeholders
- For use at the **local level**, by **local communities** themselves

Indicators of Resilience in SEPLS

- Based on the **local community's understanding and perceptions:**
 - of the size/scope/nature of their own landscape or seascape
 - of the state of various factors contributing to resilience
- Categorized by **factors that contribute to resilience:**
 - Landscape/seascape diversity and ecosystem protection
 - Biodiversity (including agricultural biodiversity)
 - Knowledge and innovation
 - Governance and social equity
 - Livelihoods and well-being

Revision and Toolkit

- Indicators revised based on experiences of testing and application
- **Toolkit** for use of the indicators in the field has been developed by UNU-IAS, Bioversity International, UNDP and IGES
- To make the indicators usable by people in the field, and promote their widespread use in different contexts



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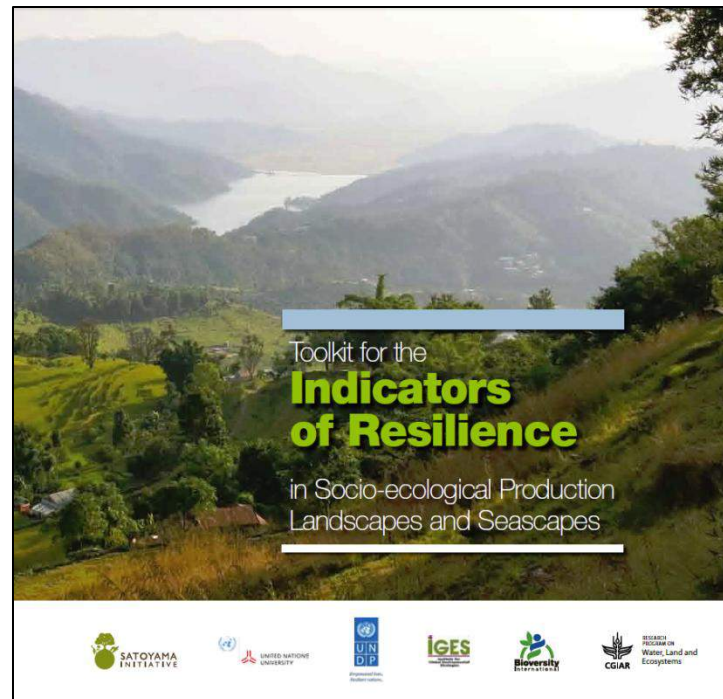
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Revision and Toolkit

- The **Toolkit** will be **launched** at an IUCN World Parks Congress 2014 side event:
 - “Production landscapes and protected areas: approaches of the Satoyama Initiative”
 - **Next Monday, 17 November 2014** in Stream 6 Hub Room 2
- **Please come to the event!**



Using the Indicators

(Resilience Assessment Workshop)

- Clarify the landscape or seascape
- Create a map of the landscape or seascape
- Scoring (give a score for each indicator)
- Discussion of scoring results
- Create a plan for further actions to improve resilience
- (repeat later as necessary)

For more information:

- <http://satoyama-initiative.org/>
- dunbar@unu.edu
- Please come to our event on Monday for the launch of the new Toolkit
 - “Production landscapes and protected areas: approaches of the Satoyama Initiative”
 - 17:30-19:00, Stream 6 Hub Room 2



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