

Profitable Restoration

Linking Sustainable Land Management and Regenerative Agriculture

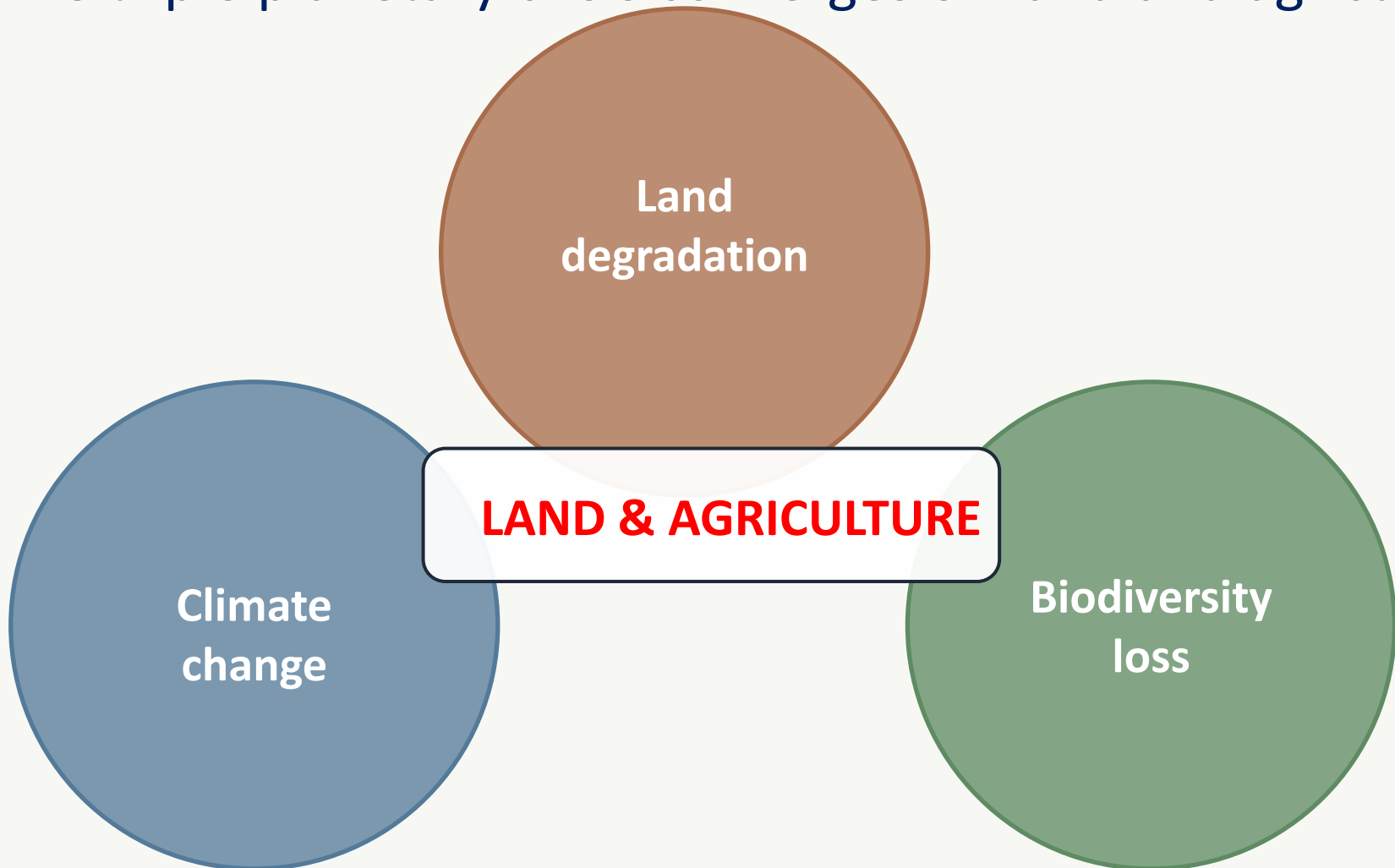
Atsushi Tsunekawa | Tottori University, Japan

UNCCD COP17 Side Event

Regenerative Agriculture and Sustainable Land Management:
Japan's Innovative Technologies and Approaches

Why do we need a new approach?

The triple planetary crisis converges on land and agriculture.



Agriculture is part of the challenge — and part of the solution.

Our starting point: Sustainable Land Management: SLM-SATREPS project in Amhara Region, Ethiopia (2016-2023)

SLM-SATREPS • Amhara Region, Ethiopia



Reduction of soil erosion



Community-based gully rehabilitation



Improved livestock
management

Next-generation SLM

Reduce soil erosion



Restore land productivity



Improve rural livelihoods

From combating land
degradation to improving
livelihoods

SLM can deliver measurable benefits

Selected outcomes from SLM-SATREPS • Amhara Region, Ethiopia

90–100%

**of eroded gully areas
recovered**

5 gullies • 93 beneficiary
households

150–200%

**increase in biomass
production**

4.4 → 6.6–8.8 t ha⁻¹ yr⁻¹

30–50%

**increase in
household
income**

339 → 441–509 USD •
120 households

**Restoration works best when environmental benefits are
linked with livelihood benefits.**

Source: SLM-SATREPS social impact summary (Ethiopia)

From SLM to Regenerative Agriculture

RA builds on SLM rather than replacing it.

SUSTAINABLE LAND MANAGEMENT

- Avoid degradation
- Reduce impacts
- Restore degraded land
- Sustain livelihoods



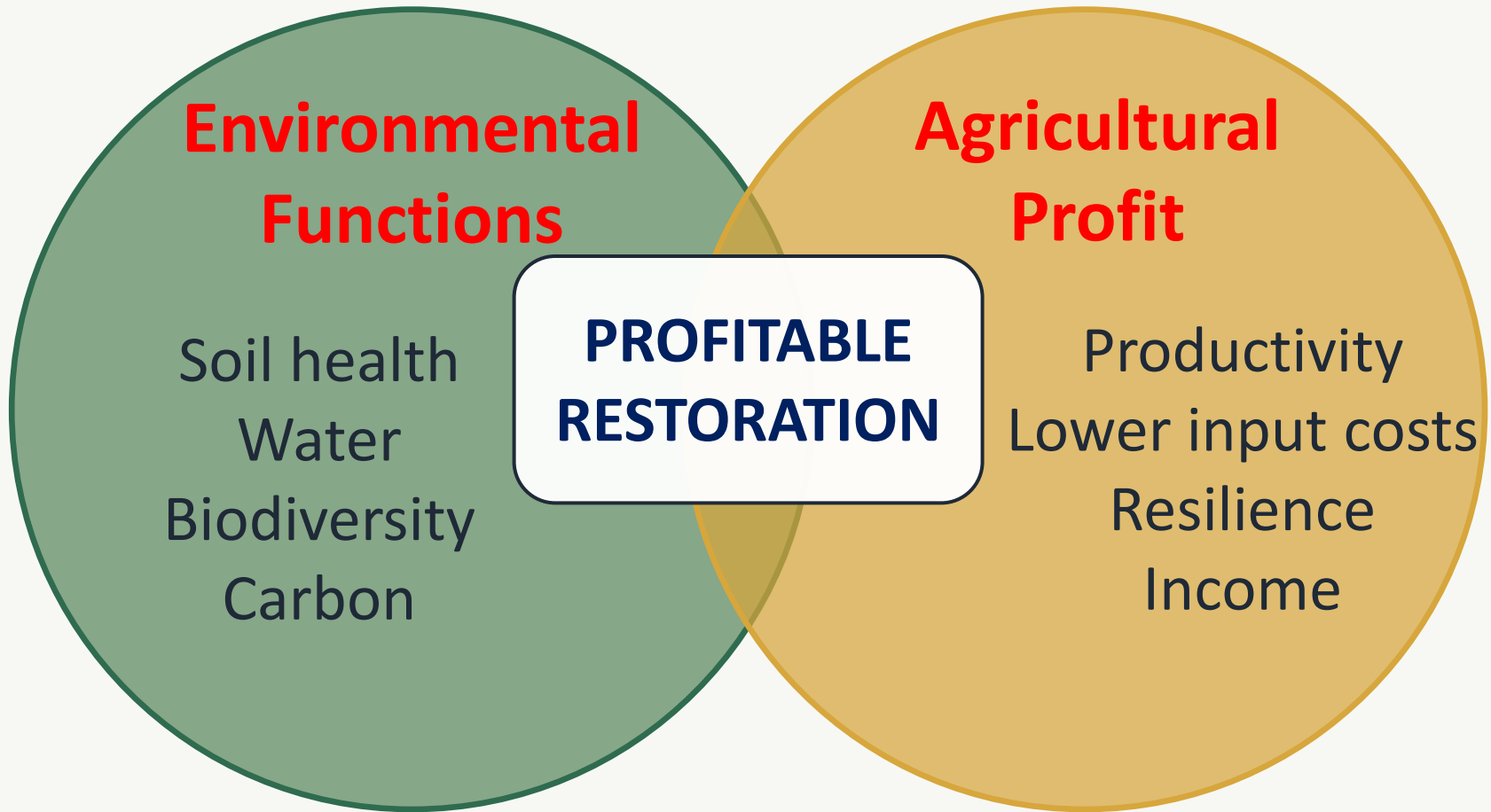
**Building
on SLM**

REGENERATIVE AGRICULTURE

- Regenerate soil health
- Restore ecosystem functions
- Strengthen resilience
- Improve profitability

From sustaining land to regenerating productive landscapes

Profitable Restoration



Restoring land while making agriculture more profitable and resilient.

Putting Profitable Restoration into practice

RA-SATREPS • Sidama Region, Ethiopia



**Regenerative
Cropping**



**Regenerative
Agroforestry**



**Regenerative
Grazing**



INTEGRATED LANDSCAPE APPROACH

Agricultural Profit + Environmental Functions

From science to implementation and scaling

Innovation matters only when it reaches the ground.



Partnerships for social implementation

Academia

Government

Private Sector

JICA

Local Partners

From technologies to solutions on the ground

A bridge to today's presentations on Japanese technologies and approaches

From Profitable Restoration to Regenerative Landscapes

Forest /
Agroforestry

Cropland

Wetland

Urban area

Lake Hawassa

PLOT → FARM → LANDSCAPE

SLM + Regenerative Agriculture + Innovation + Partnership

PROFITABLE RESTORATION for REGENERATIVE LANDSCAPES

Google Earth screenshot supplied by presenter — replace with attribution-visible

capture for public use.