



The contribution of local higher education institution on Biosphere Reserves goal's & achievements

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The 9th Meeting of the Southeast Asia Biosphere Reserves Network (SeaBRnet)

-Visibility, Branding and Communication Strategies for Biosphere Reserves

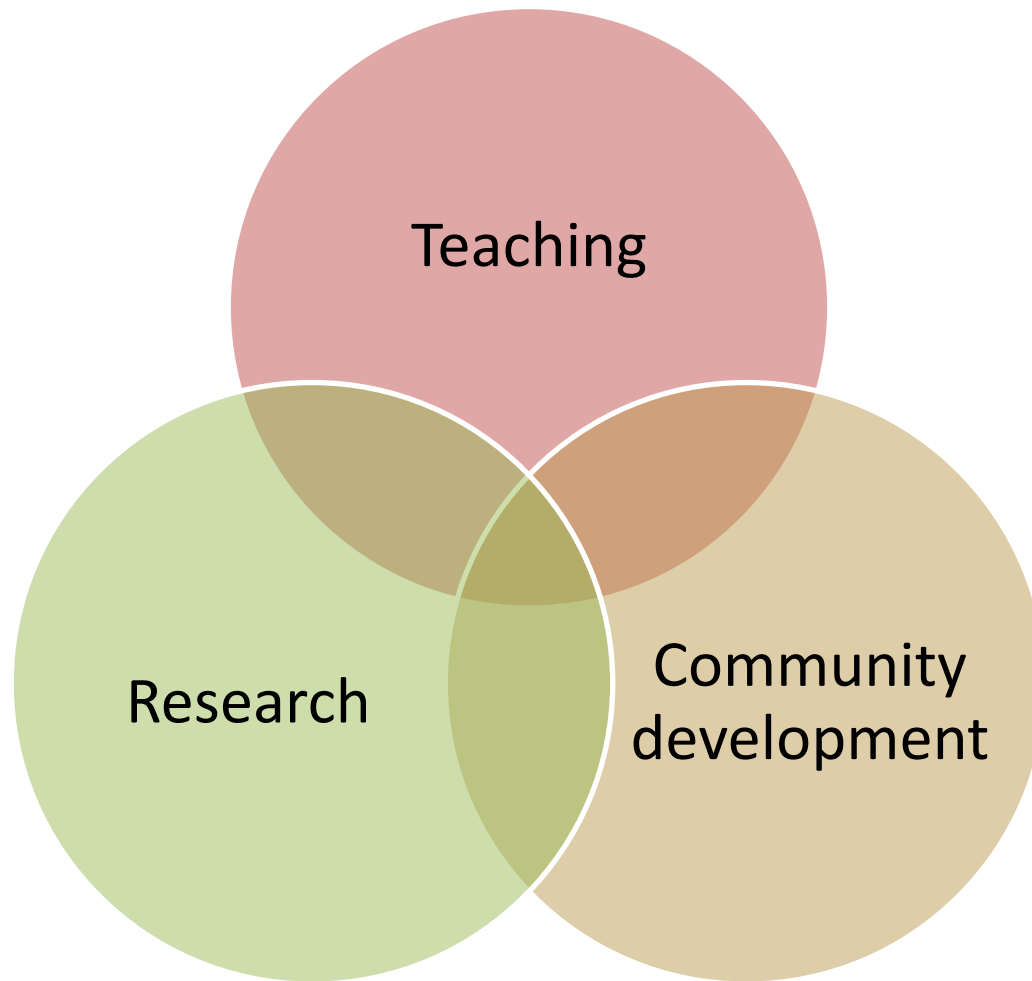
Bromo Tengger Semeru Arjuno Biosphere Reserve, East Java, Indonesia 28-30 October 2015-

Biosphere Reserve.....

- “promotes solutions reconciling the conservation of biodiversity with its sustainable use”.
- “Biosphere reserves are ‘**Science for Sustainability support sites**’ – special places for testing interdisciplinary approaches to understanding and managing changes and interactions between social and ecological systems, including conflict prevention and management of biodiversity” (Unesco.org)

**The role of higher education institution
important**

Indonesian university mandates



University is significant part on Biosphere reserve management

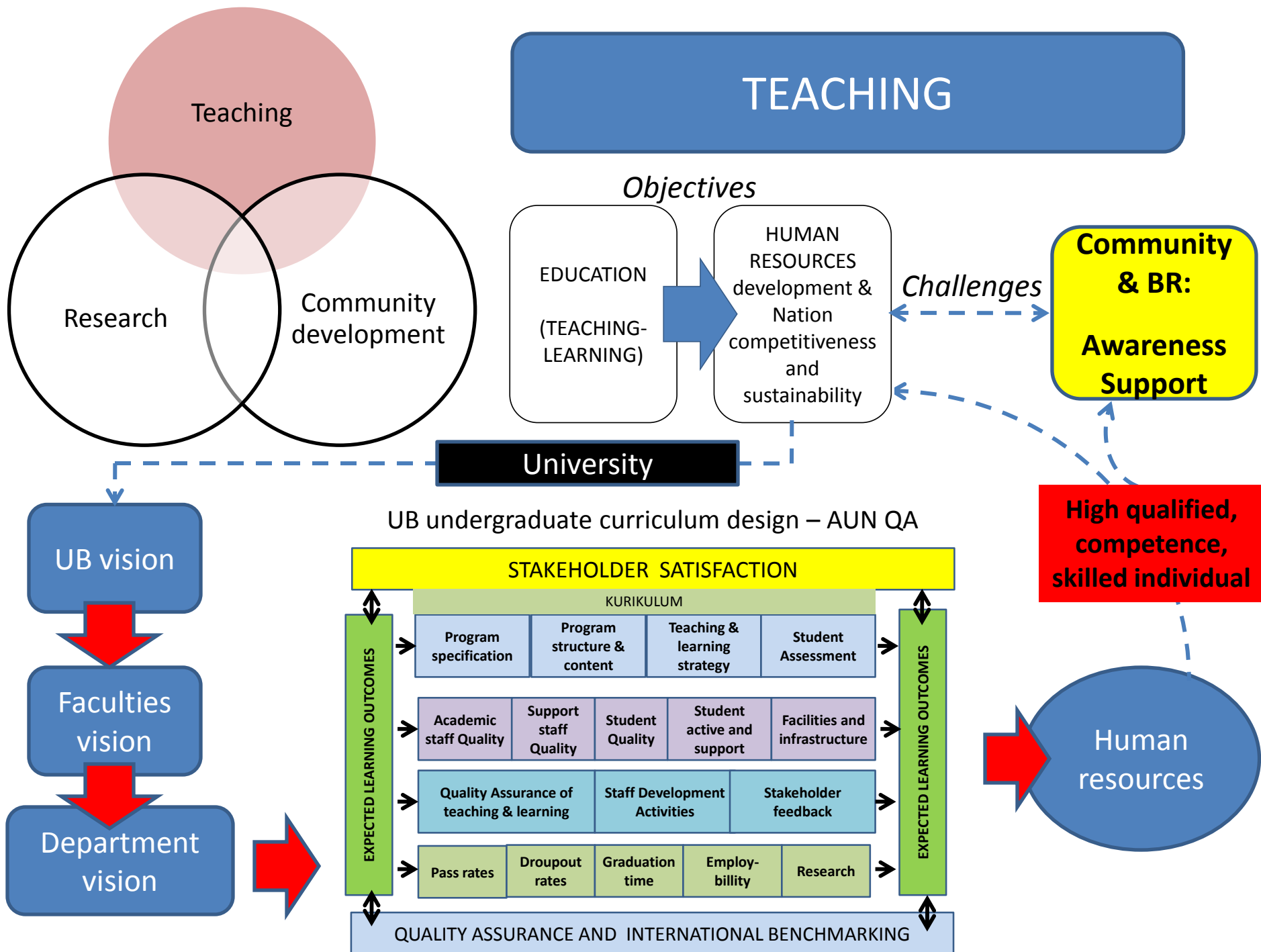


University of Brawijaya

www.ub.ac.id

- Accredited A (Indonesia QA), ABEST, AUN-QA, AASBI, QS World university Ranking, ISO 9001:2008
- Sixteen faculty, one vocational programs, one Interdisciplinary independent graduate program
- Total number of student: 66.908 (BSc., MSc., Ph.D)





The opportunities to introduce and communicate BR in Indonesian university

1

Course, related to ecology, biology, agriculture, etc

2

Practical programs, field trips, student small project, etc

Introducing
BR through

3

Student community service programs, etc

4

Student scientific competition, etc



- *Teaching is not enough*
- *Changes in teaching learning methods*
- *Inspiring student*

Eco + entrepreneurship

Dr. Luchman Hakim

**Jurusan Biologi FMIPA
Universitas Brawijaya**

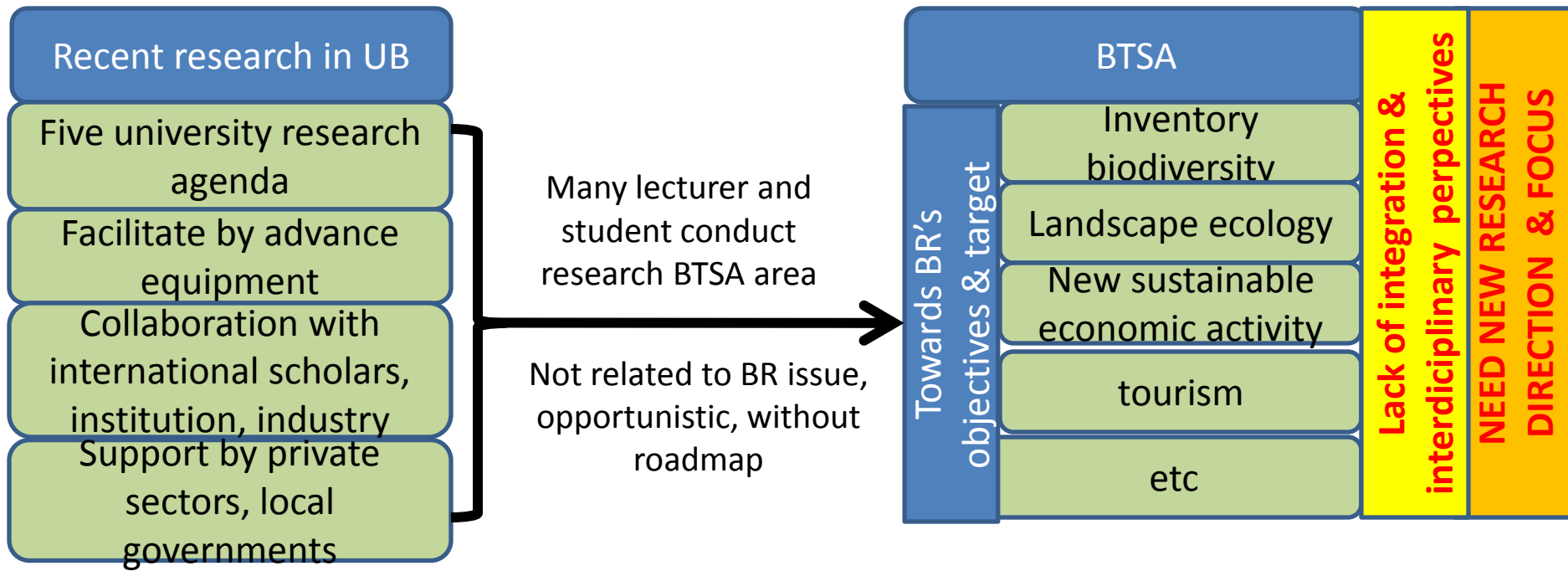
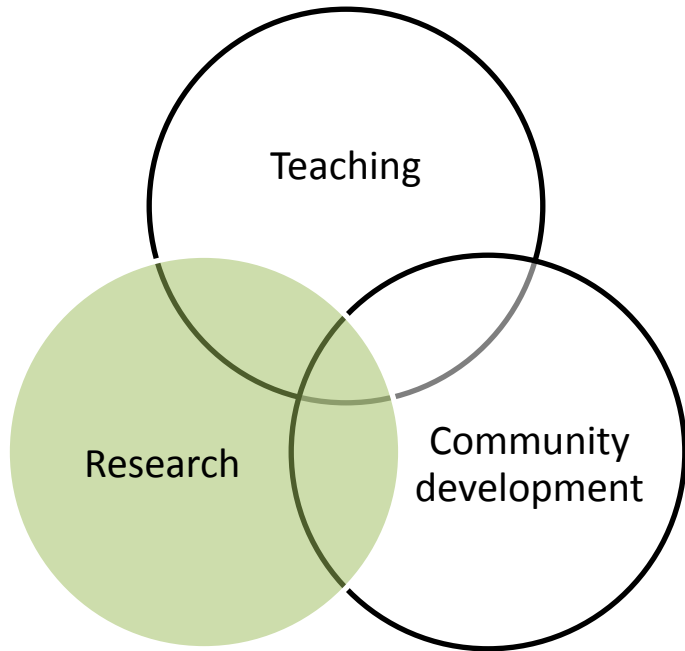
Bahan Kuliah Kewirausahaan untuk mahasiswa Biologi FMIPA
Universitas Brawijaya



Brawijaya Univ. Research on:

Biodiversity becomes one of the priority

- ✓ Food security
- ✓ Energy (Sustainable-renewable energy)
- ✓ good governance
- ✓ Agro-forestry
- ✓ Medical



Research projects



Restoring cultural landscapes

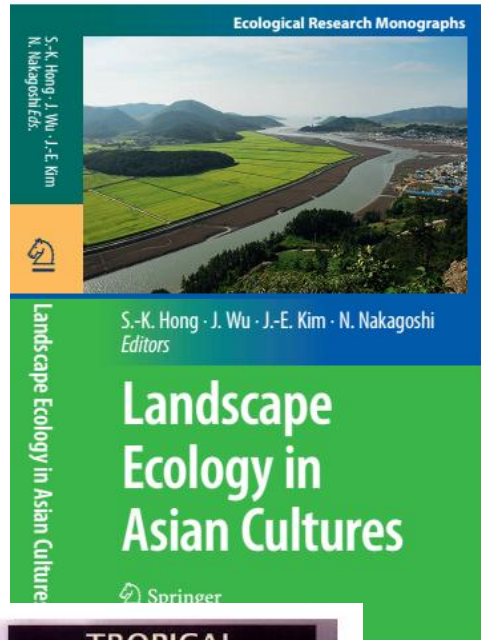




***Conserving & strengthening
Traditional farming in buffer area***

Some publications (some can be free downloaded at www.eastjava-br.com)

Biodiversity Journal, 2013, 4 (3): 387-394



Plant trees species for restoration program in Ranupani, Bromo Tengger Semeru National Park Indonesia

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Corresponding author



Egyptian Journal of Aquatic Research

<http://ees.elsevier.com/ejar>
www.sciencedirect.com



Color diversity and distribution of sea urchin *Tripneustes gratilla* in Cenderawasih Bay ecoregion of Papua, Indonesia

Abdul Hamid A. Toha^{a,b}, Sutiman B. Sumitro^b, Widodo^{b,*}, Luchman Hakim^b



Journal of Biodiversity and Environmental Sciences (JBES)

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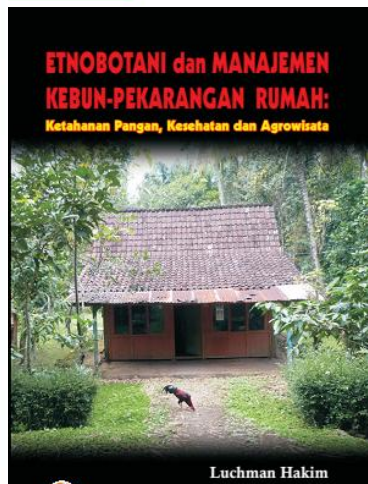
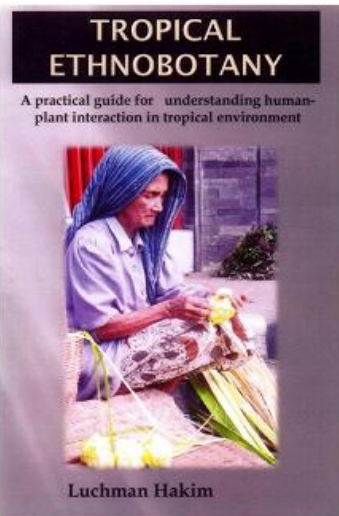
<http://www.innspub.net>

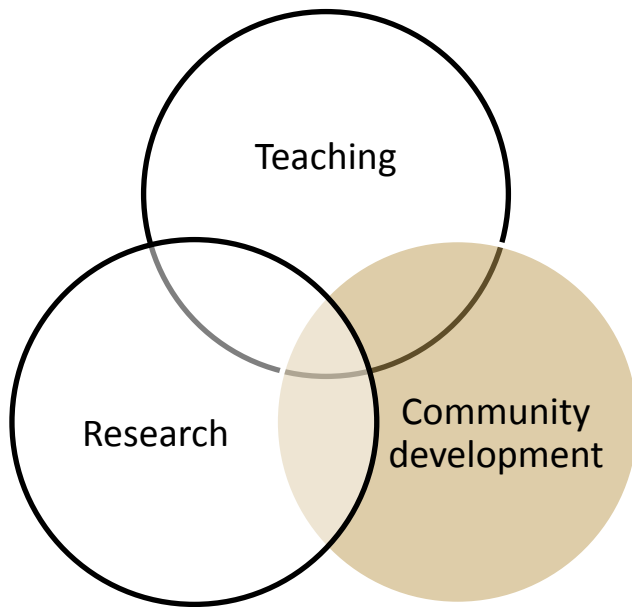
RESEARCH PAPER

OPEN ACCESS

Seedling growth of some native trees in Ranu Pani- Ranu Regulo restoration area, Bromo Tengger Semeru National Park

Jehan Ramdani Hariyati, Endang Arisoesilaningsih, Luchman Hakim*





AIMS of Com.Dev.

- ✓ Disseminating research result to community in numerous aspect to improve rural community (Soc. Econ. Env.)
- ✓ Introducing technology to rural community
- ✓ Strengthening human resources

TYPES

Student community service (KKN)

Lectures community service

Research group community service

FUNDINGS

Governments

Private sectors, CSR

Overseas. Dev.Agcy

Competitive grants

OUTCOMES

Improvements:

- ✓ capacity
- ✓ technology
- ✓ income
- ✓ prosperity

WEAKNESSES

- Lack of multi-stakeholder coordination
- Work alone
- Lack of focus & sustainability

Biosphere as models of regional sustainable development

Stakeholder support

Institution empowerment



Example of Community development programs

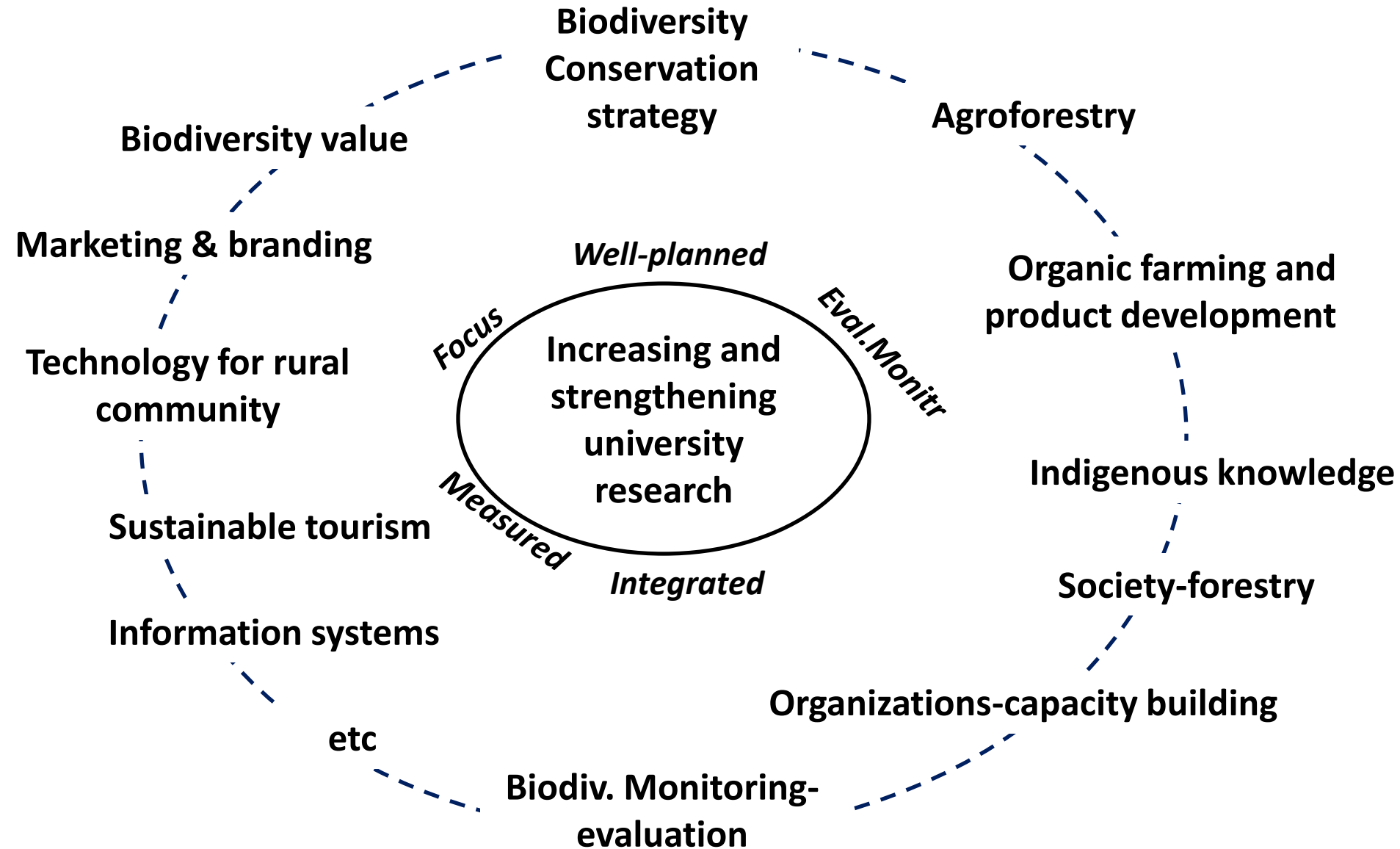


Strengthening tourism in rural area

- Introducing tourism industry
- Home stay and tourism product development
- Food processing
- Student live in

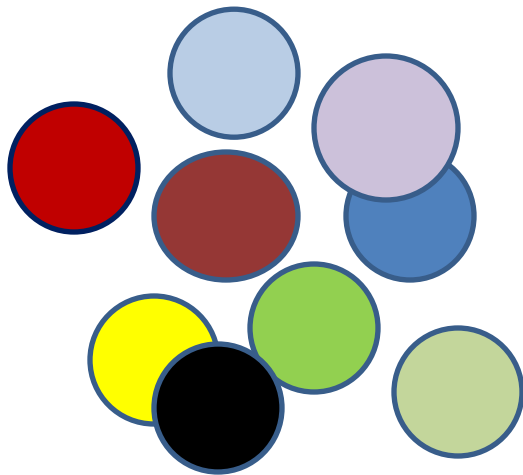


Research agenda



Problems and opportunities

PAST



Moving towards
interdisciplinary

FUTURE



**Thinking in the context &
perspectives of :**

- ✓ holism
- ✓ landscapes
- ✓ Biosphere system

Future action plan.....

- Introducing the spirit of BR to higher education curriculum
- Establishing interdisciplinary research
- Establishing research and community development roadmap and action plant

A serene landscape photograph featuring a calm body of water in the foreground, reflecting the surrounding environment. The background is a steep, densely forested hillside covered in lush green trees and vegetation. A light mist or fog hangs over the water and the lower part of the forest, creating a soft, ethereal atmosphere. The overall color palette is dominated by various shades of green and muted greys from the mist.

Thank you