

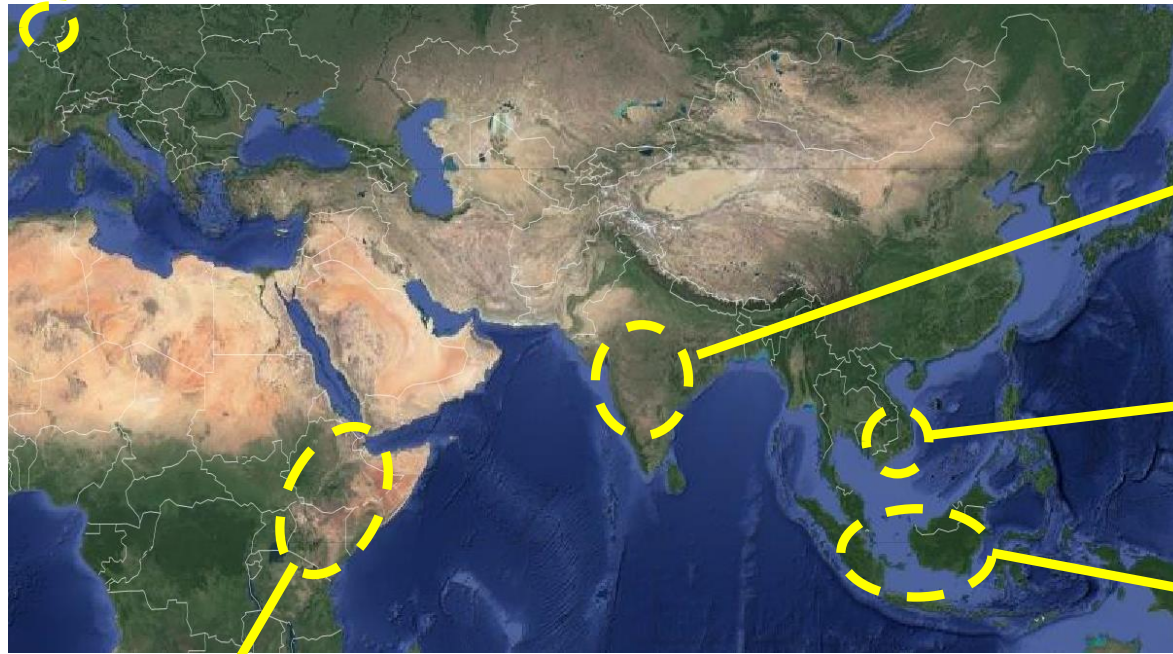
Living Labs of VHL and experiences

Living Labs



Living Labs

The Netherlands



Semi-arid
Highland plateau
of Central India

Tropical Estuarine
area of Vietnam

Tropical plateau's
and estuarine
areas of
Indonesia

Semi-arid plateau's of Kenya-Ethiopia





International



Living Lab Kalimantan: Rehabilitation of degraded peat areas

Vision: Degraded peatlands in Kalimantan are restored providing valuable ecosystem services for people, the economy and the environment through collaboration of stakeholders, embedded in just and responsible institutions

Knowledge Institute

ULM / VHL / IPB / WUR / ITPC / FOERDIA

Company / Organization

OP Companies / Mining Company / Small + medium enterprises (UMKM) / Tech. contractors / Agriprofocus / EMM / PT Sampit (jelutung) / BUMDES

Government / Public

Local government / BRG / MOEF / DINAS (incl. KPH) / Ministry of villages / Ministry of land / BPN / BAPPENAS / BAPPEDA / GGGI

NGO / Communities / Media

Villages & community organizations / WI / TBI Indon / Local and national media



Living Lab Barmati- India



PROPOSED VALUE CHAIN

1. 300 familles
2. 1400 familles

- Consumers
- Families - in Baranati
8-10 km.
- Middle Class (Higher)
- Conscious to health
- Income class / Purchasing Power

Howe
delivery
→ Own
Retail shop

- Ghee
- Poncor
- Butter M.

Setting
70 INR IR

Silage
(uniform Fair
quality)

Selling (By-product)
(Mr. TAWARE) - Farmer
Veterinarian
LP Producer company
- Collect - Package - Customer
- Chill - Marketing Relation

Processing
20 MRR
10 profit

Prod.
1. phase
1000 l/day
2. 2000 l.

Maize
t.b.d.

FARMERS - (20)

breeding → one bull
 50 cows Produce
 Produce own Food
 5 ha ± 3 ha / p farmer
 - ± 10 cows

Milk
microb
to INR

Prod. Cost
40 INR / p

per farmer
€ 50 €/day
∴ → money
→ think P

Now:
8-12 l/cou/

- Supplier
 - ~~Feed~~ Concentrates (market)
 - Veterinarian (Prod. Comp.)
 - Gir-market/ farms Gujarat (group)
- ↳ Orally: Fats ♀ & ♂ : production



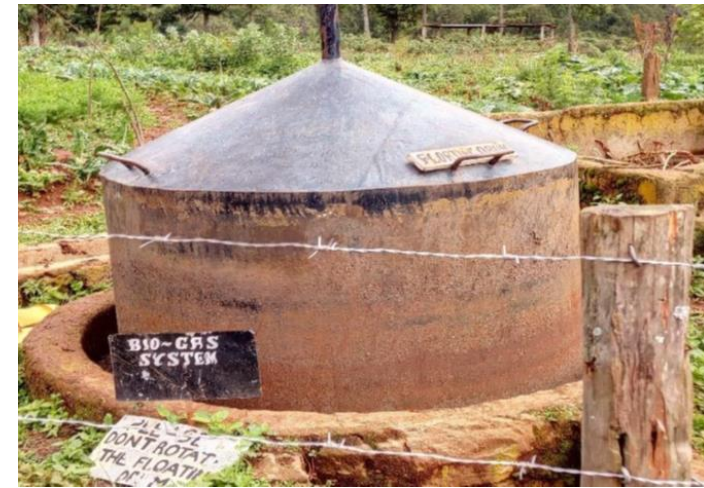


Living Labs Kenya/Ethiopia

CGIAR CCAFS
Business models
Climate
Smart Dairy



Circular Dairy:
agroforestry-
feed-manure-
cow



The Netherlands

System-level

Wadden Islands



Northern Netherlands

Project-level

Eastern Netherlands



Projects Living Labs, the Netherlands

- Proteines from Duckweed (NEXTGarden)



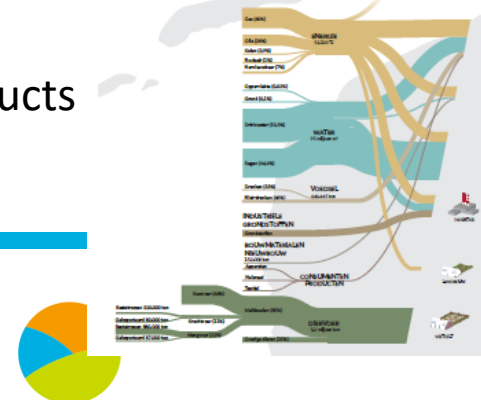
- Nature inclusive agriculture, circular agriculture: 'Food forests', meadow birds, valuable landscapes



- Biobased Economy: Interreg Biocas NE Europe, new wetland-products



2. GRONDSTOFSTROMEN IN KAART GRONDSTOFSTROMEN PROVINCIE FRYSLÂN



Lessons from Living labs

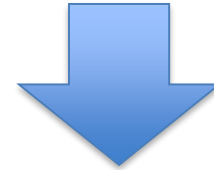


Approach

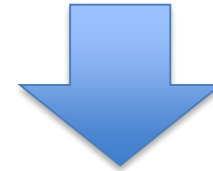
(Strategic)
Network



(Emergent) PROBLEM



**KNOWLEDGE
QUESTIONS**



PROJECT IDEA



Challenges quadruple helix participation

- Cultural/social differences might hinder level playing field and including tacit knowledge of farmers
- Not always easy to include Government (federal-state-local): seen as outside player; bureaucracy and politics would disturb process and make the living lab unsafe
- Students should be prepared for working in other societies
- Develop competences for working in Living Labs
- Take time to prepare Living Lab processes and rules with participating partners

Farmers:



Project (also):



And other SDGs..

Challenges: reflexivity

- Include monitoring and reflection
- Safe environment which does not always fit in culture of participants
- Facilitating reflection with trans-disciplinary groups requires certain competences..



Challenges interaction and trust

- Building and maintaining international relationships and trust takes years and are personal relationships
- Relationships sometimes undermined by organizational actions/procedures: our organizations not always based on intercultural skills and competences
- If one person leaves the whole process of relationship building has to start all over..
- Hierarchy and culture might hamper open relationships

