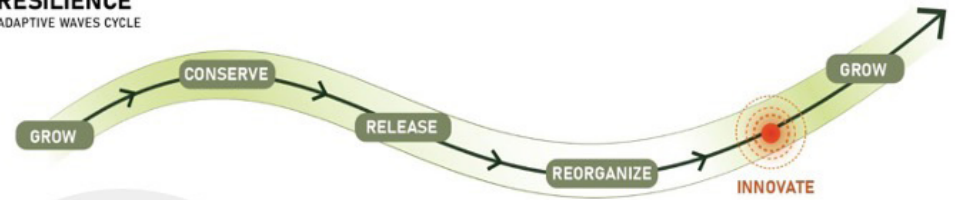




Resilienz Wege zu Sicherheit und Zukunftsfähigkeit im Berggebiet

Prof. Dr. Tobias Luthe
ETH Zürich, AHO Oslo, ManViso Institute
Dr. Romano Wyss
EPFL Lausanne, Wyss Conceil Scientifique

RESILIENCE ADAPTIVE WAVES CYCLE



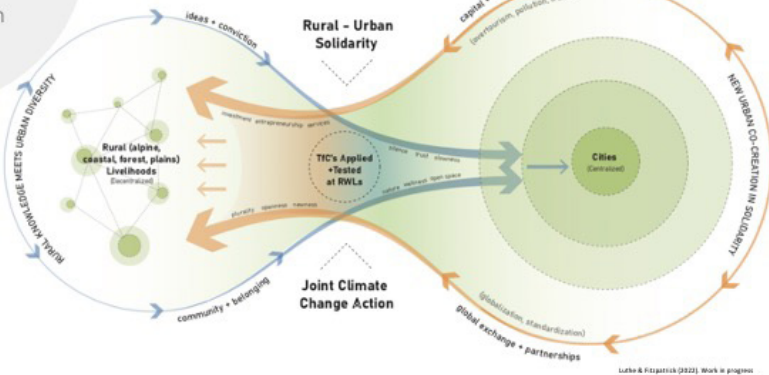
Based on Lupe, T., Wyss, R. Introducing adaptive waves as a concept to inform model-based models of resilience. Sustainability Science 16, 673-685 (2015).

Dynamiken

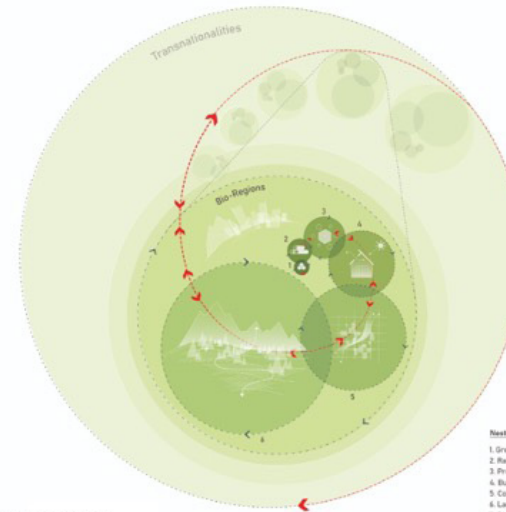
Phasen der Intervention
Wenn Systeme sich
neu organisieren und wachsen,
sind sie offen für Innovation

SYSTEMGRENZEN

Boundary Effekt
Porosität
Integrationszonen



Luthe & Fitzpatrick (2022). Work in progress.



Luthe, Fitzpatrick and Wyss (2021). Work in progress.

Nested Scales
1. Green Chemistry
2. Raw Materials
3. Products
4. Buildings
5. Communities + Services
6. Landscapes
7. Bioregions
8. Transnationalities

Gouvernance

Trans-Skalar
Zirkularitäten
Zoom in – Zoom out