

Sustainability-oriented social learning in hybrid learning configurations

Co-innovation seminar, 28-29/10/2013

Arjen E.J. Wals





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Sustainable development - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/Sustainable_development
Sustainable development (SD) is a pattern of economic growth in which resource use aims to meet human needs while preserving the environment so that these ...
Portal - Brundtland Commission - Education - Ecologically sustainable ...


What is Sustainable Development?
www.iisd.org/sd/
IISD has prepared an extensive introduction and background to **sustainable development**. This section includes the **Sustainable Development** Briefcase.

Images for "sustainable development" - Report images



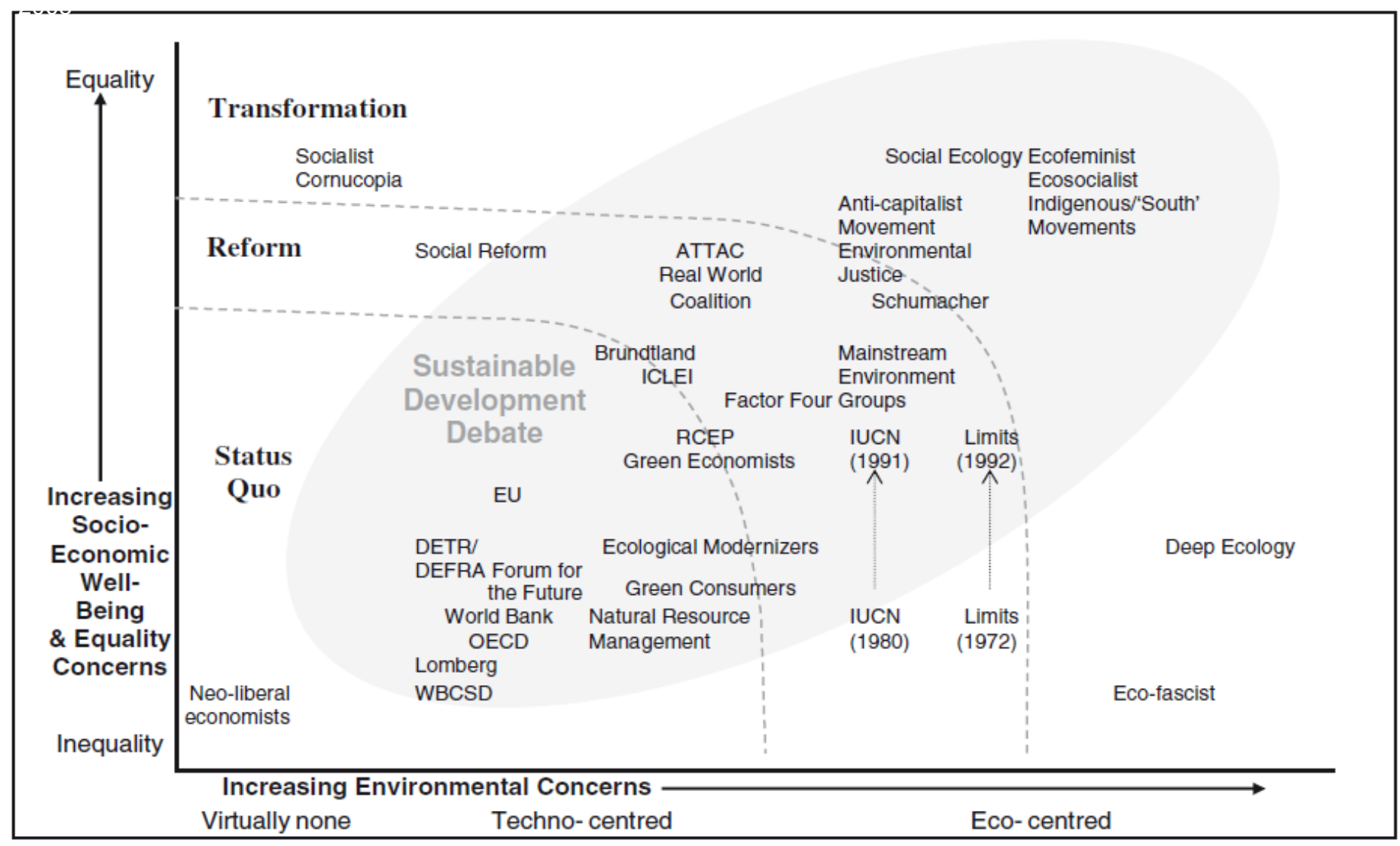
What is Sustainable Development? - World Bank
www.worldbank.org > DEP Home > DEPweb
There are many definitions of **sustainable development**, including this landmark one which first appeared in 1987: "Development that meets the needs of the ...

News for "sustainable development"



[Sustainability gets UN cloud](#)
Mail & Guardian Online - 5 hours ago

Different Sustainable Development Discourses after: Based on Hopwood et

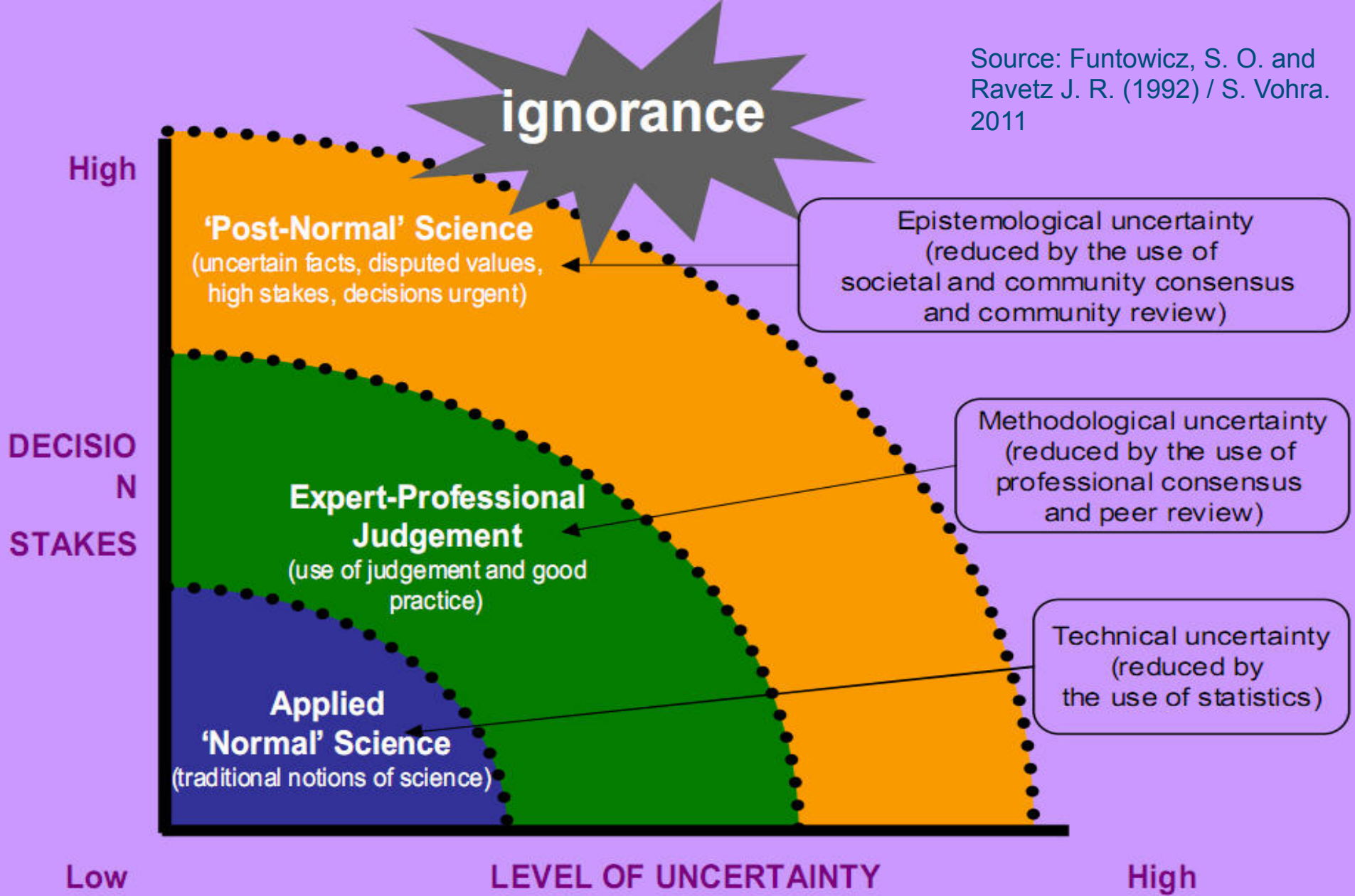


Erosion of trust in science?

- GMO-foods are inevitable...
- Runaway (?) climate change...
- Calcium supplements for women...
- Should men <50 be tested for prostate cancer?
- Is organic sustainable and locally grown better?
- Are vegetables grown in cities healthy?
- **‘ We are drowning in information while starving for wisdom’** E.O. Wilson, 1998, p. 300)

Post-normalism

- Complexity
- Uncertainty and indeterminacy
- Contestation and controversy – extinction of ‘truth’ & erosion of ‘trust” (fact free science, fact free politics, science as opinion)
- Shallowness and hyper-connectivity – erosion of meaning
- Emergence - reflexivity



Research

Education

**Societal
organisations**

Co-creating
'sustainability'

Private sector

Governance

Hybrid Learning Configuration

- A vital coalition of multiple stakeholders engaged in a common challenge using a blend of learning processes in a rich context (sum>parts)

Policy tools

Policy themes

climate

mobility

animal well-being

obesity

energy

biodiversity



Societal actors

Sport clubs

Schools

Colleges

Local government

Garden centers

Restaurants

Elderly homes

Apps
School
society

Service
learning

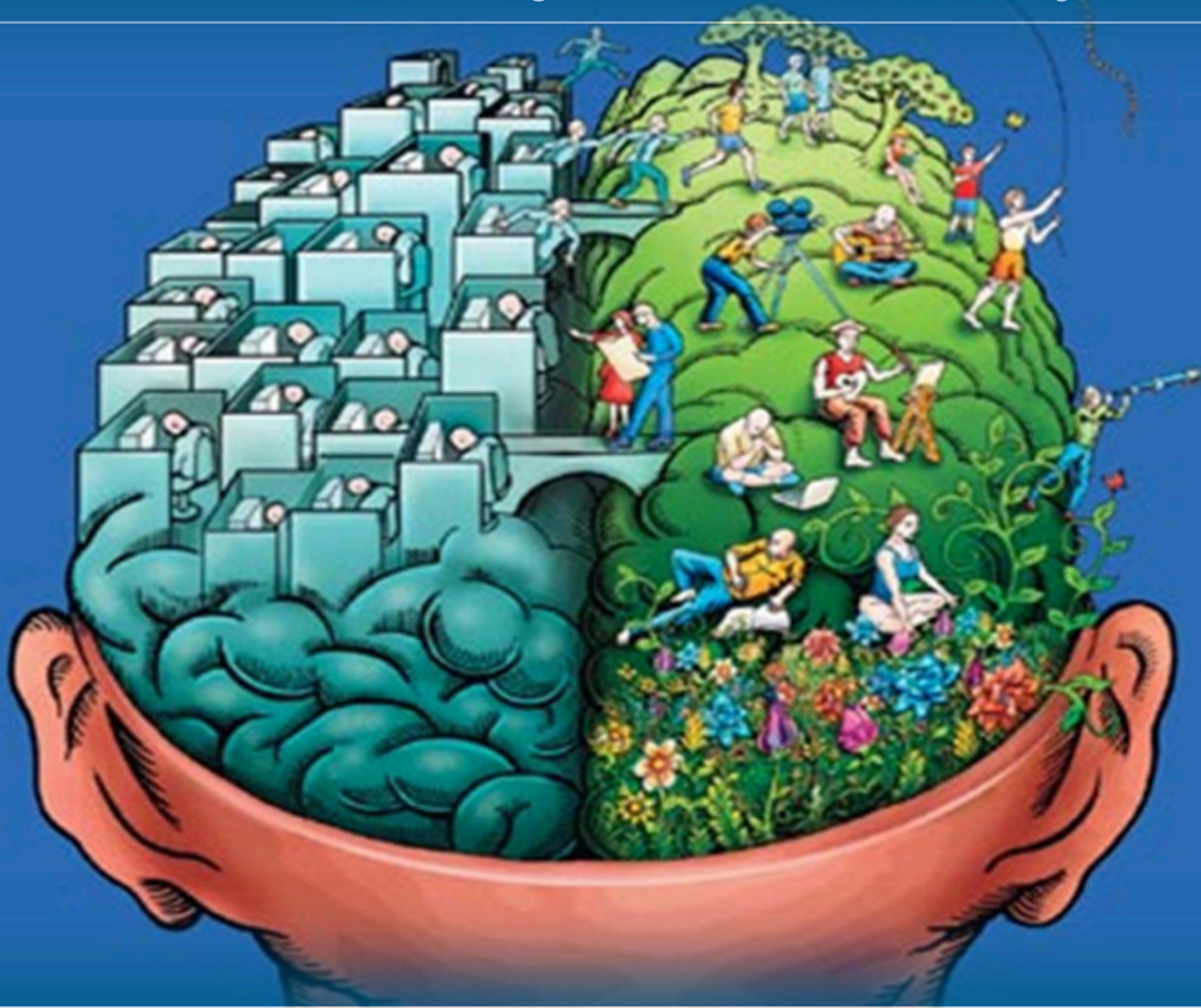
Multi-
culturalis

Societal trends

Social learning

- a collaborative, emergent learning process that hinges on the simultaneous cultivation of 'difference' and social cohesion in order to create joint ownership, unleash creativity and the kind of dynamic and energy needed to break with existing patterns, routines or systems.

Justification of the subject of boundary crossing



- Boundaries: “*socio-cultural differences leading to discontinuities in action or interaction*” (Akkerman & Bakker, 2011)

Boundary learning mechanisms (Cremers et al, in press)

- Identification: distinguishing boundaries and related identities and perspectives
- Coordination: facilitating exchanges across boundaries
= *adaptation, crossing, negotiating boundaries*
- Reflection: expanding, changing, developing new perspectives and identities
- Transformation: co-developing new practices
= *transcending boundaries, creating something new*



Goals have been set in advance



expert-d



ibility

Citizens have little input

Citizens have lots of input



Goals are jointly set



ainability

“Normal”

Closed
Predetermined
Prescribed

Instructor

Passive receivers
Extrinsic/external

Universal
Knowledge transfer

Instrumental
Authoritative
Hierarchical
Training

Coaches

Active receivers

Knowledge
circulation

Participatory
Democratic
Social Learning

Facilitators & co-learners

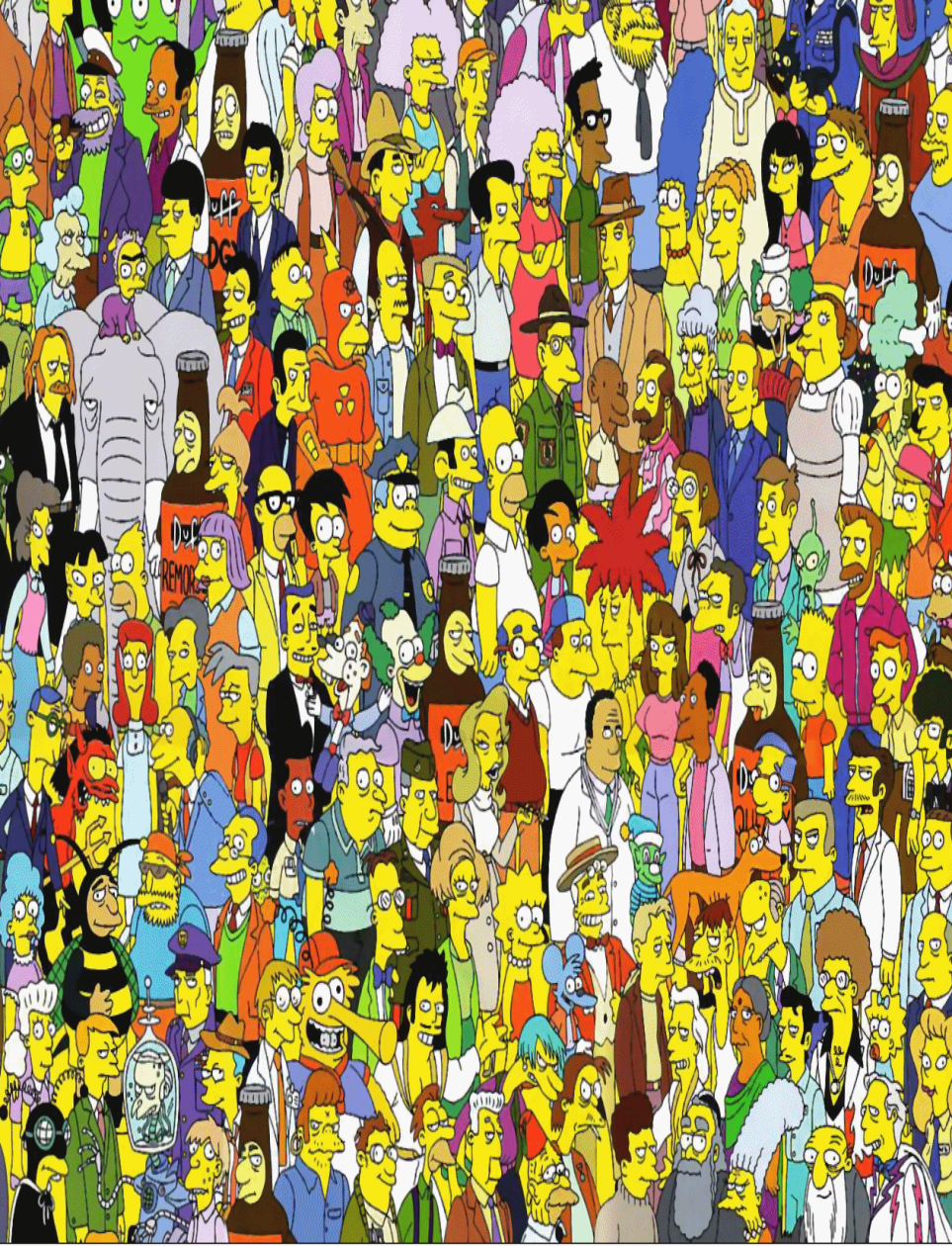
Active-empowered
Intrinsic/internal
Contextual

Open
Self-determined
Co-created

Knowledge co-
creation

Post-normal
Emancipatory





THE DIFFERENCE

HOW THE POWER OF DIVERSITY
CREATES BETTER GROUPS, FIRMS,
SCHOOLS, AND SOCIETIES

Simpson Crazy.com

Always Real. Always Simpsons.



WAGENINGEN UNIVERSITY
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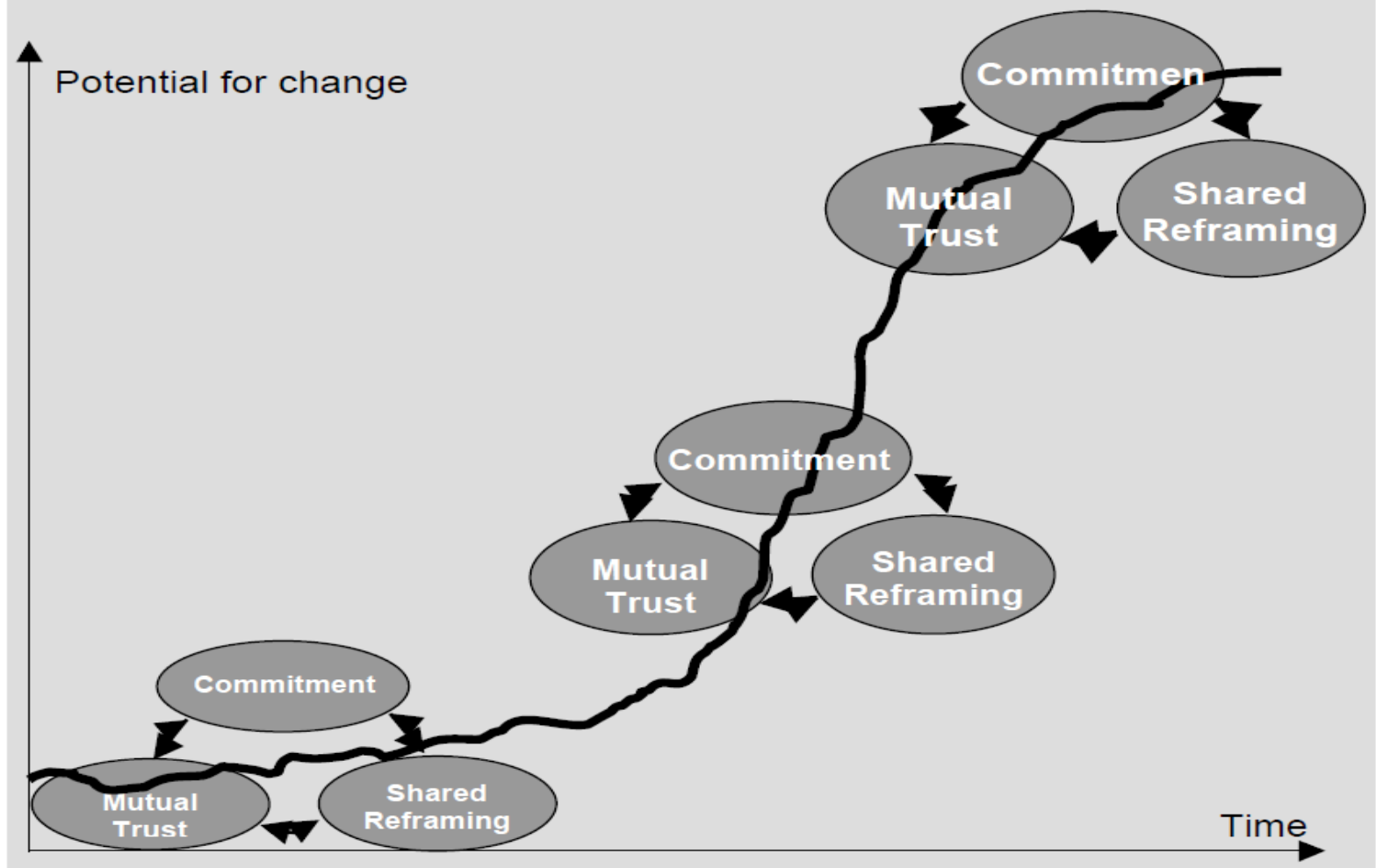
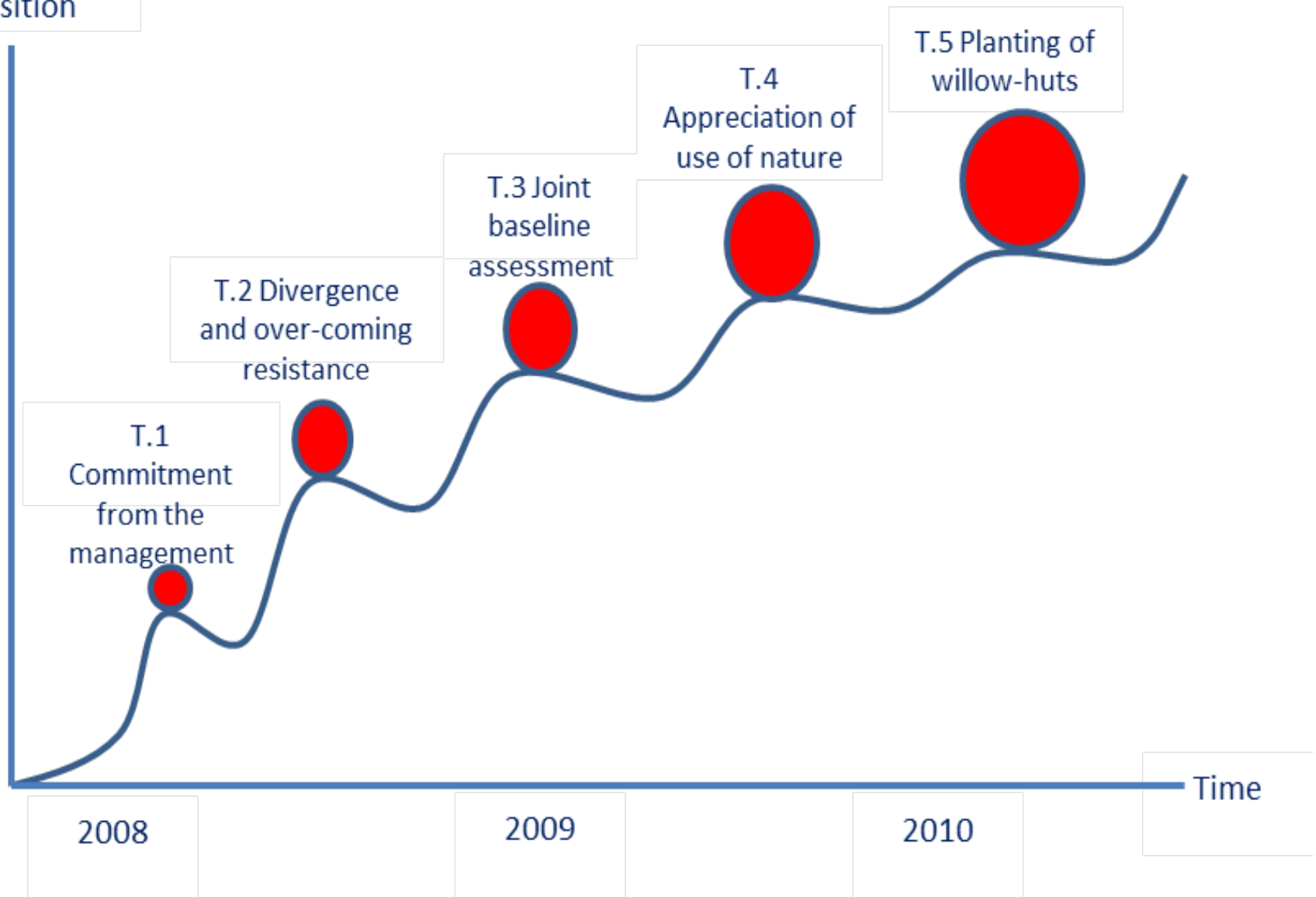


Figure 2. Social learning as the dynamic interplay of shared reframing, mutual trust and commitment. Successful social learning can generate an increased

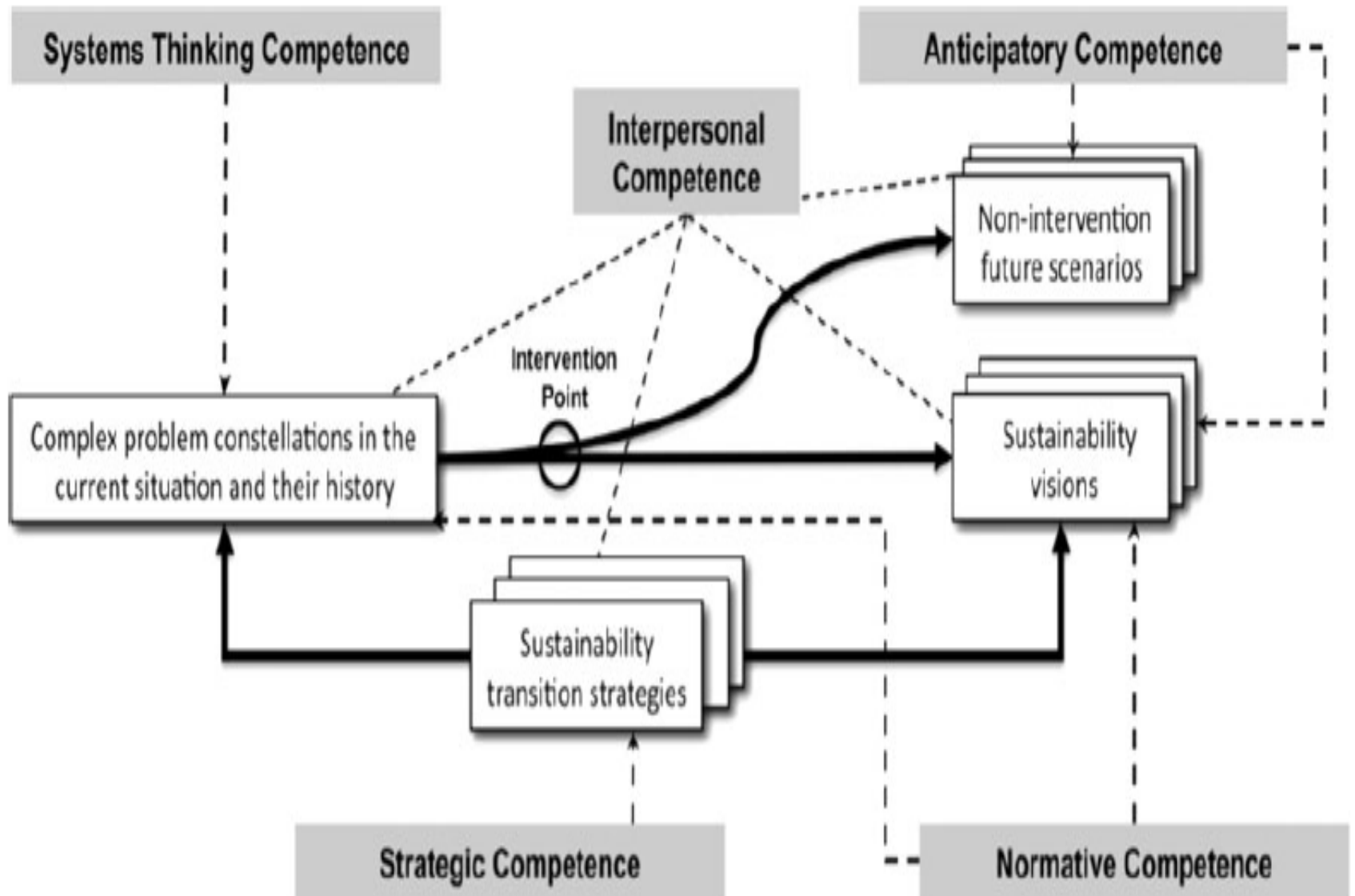
Sol, Beers & Wals, 2012

Arjen.wals@wur.nl

Level of transition



Sol & Wals, in press



Wiek, 2011

Sustainability Capacities

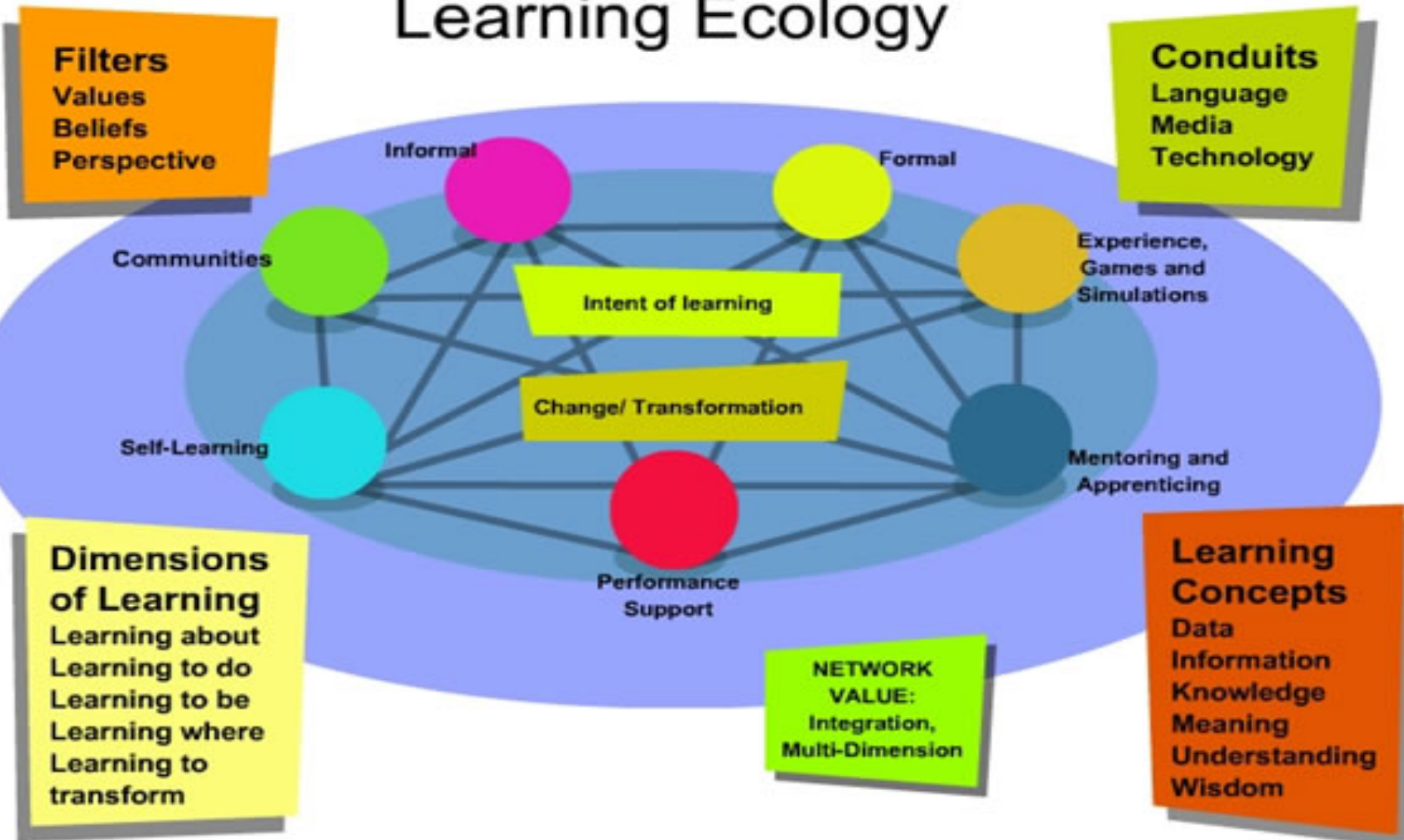
- Understanding sustainable development
- Systems thinking
- Adopting an integral view

} Dynamics of SD

- Personal leadership and entrepreneurship
- Unlocking creativity, utilizing diversity
- Appreciating chaos & complexity
- Fostering collective change

} Change & Innovation

Learning Ecology



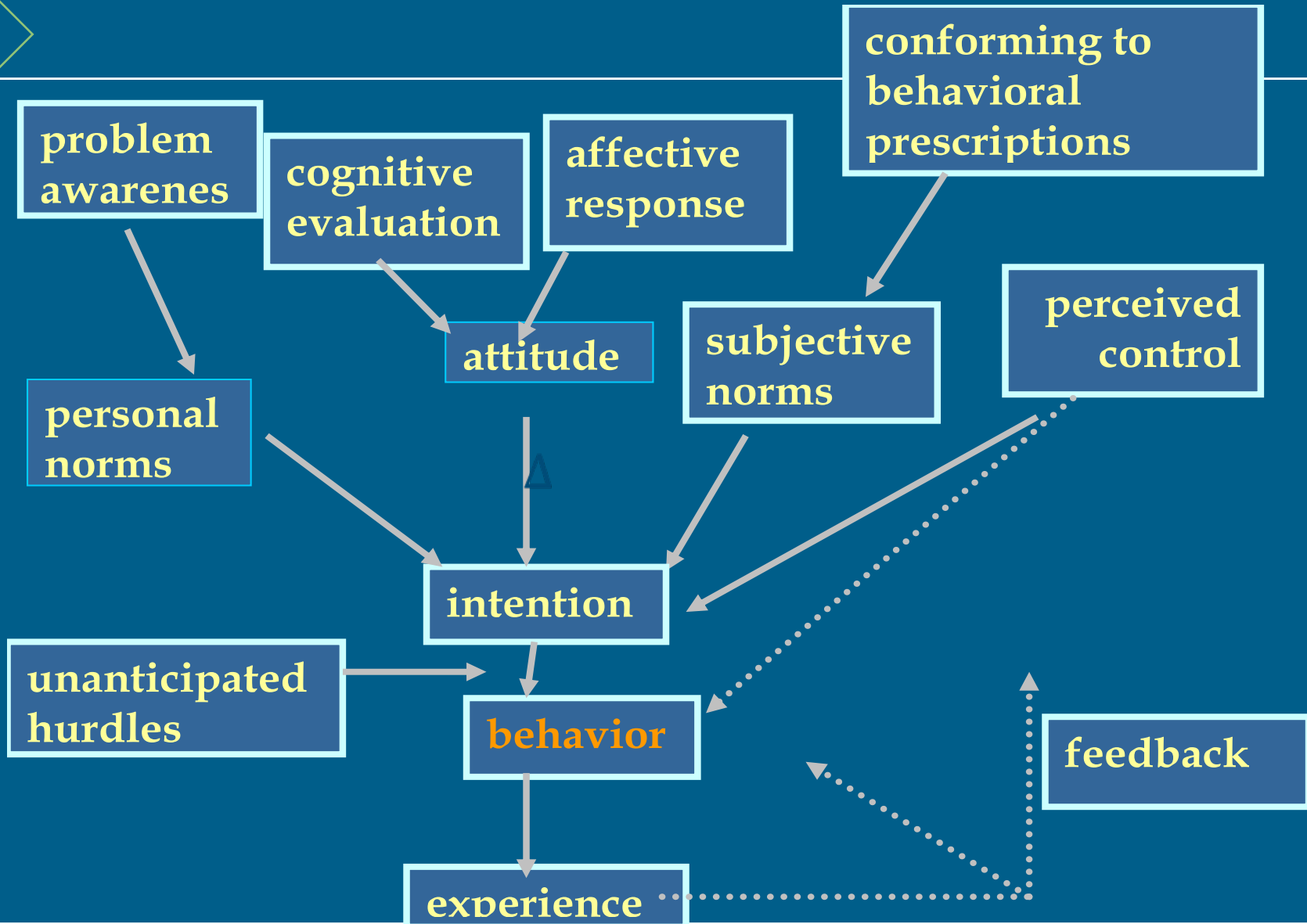
Connectivism: Process of creating network

Assumptions about the learning taking place

- It's about learning from each other...
- And we learn more in heterogeneous groups than in homogenous groups because...
- Unexpected 'tensions' and commonalities can lead to creativity and energy especially when...
- There is sufficient social cohesion to allow diversity between actors to become constructive to facilitate...
- Joint meaning and sense making → reframing
- It is crucial to develop joint ownership of both the learning processes taking place and the actions in which they result.

Research questions

- What are key characteristics of the learning taking place in hybrid learning configuration?
- What factors influence the 'quality' of such a configuration?
- How can these factors be influenced?

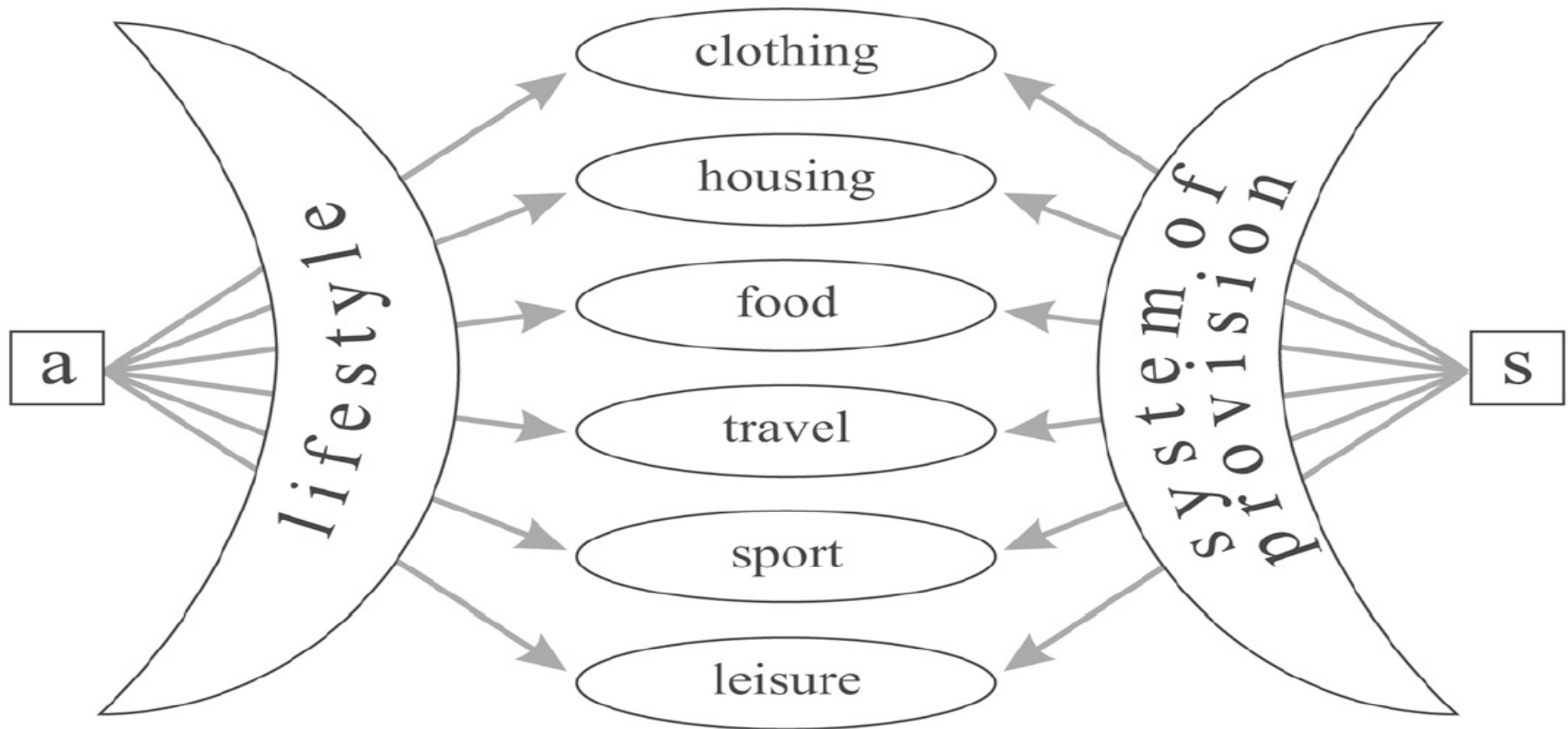


Social practices-based (Spaargaren, 2003)

Actor

Social practices

Structure



Agency-competence based

