2018

# A constructivist and soft view of systemic design: A tribute to Jean Michel Larrasquet's work

Real, Marion and Lizarralde, Iban

# A constructivist and soft view of systemic design

## A tribute to Jean Michel Larrasquet's work

Marion REAL, Centre for Circular Design, University of Arts, London
Iban Lizarralde, ESTIA, Institute of Technology, Bidart

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**Introduction**

**Systemic Design and French Literature**

Edgar Morin

**Complexity**

Francisco Varela    Miguel Benasayag

**Constructivism**

**Enaction**

Jean Louis Lemoigne    Marie-Jo Avenier

**Translation**

Madeleine Akrich    Michel Callon    Bruno Latour    Norbert Alter

*Les vérités sont des choses à faire et non à découvrir,
ce sont des constructions et non des trésors*

Truths are things
to do and not to discover,
they are constructions
and not treasures

*Egiak gauzak dira egin eta ez jakiteko,
eraikuntzak dira eta ez altxorrak*

*(P. Valéry)*

**(New) Insights
for the SD community**

**Jean Michel Larrasquet**

*Professor -Action-researcher*

**Projectics**

PROJECTIQUE
à la recherche du sens perdu

**Eusko -Ikaskuntza**

EUSKO IKASKUNTZA

**Eticoop**

eticoop

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**Introduction**

Pier Paolo Peruccio,
*Toward Systemic Design, 2016*

John Ehrenfelf, RSD6, Oslo, 2017

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**Introduction**
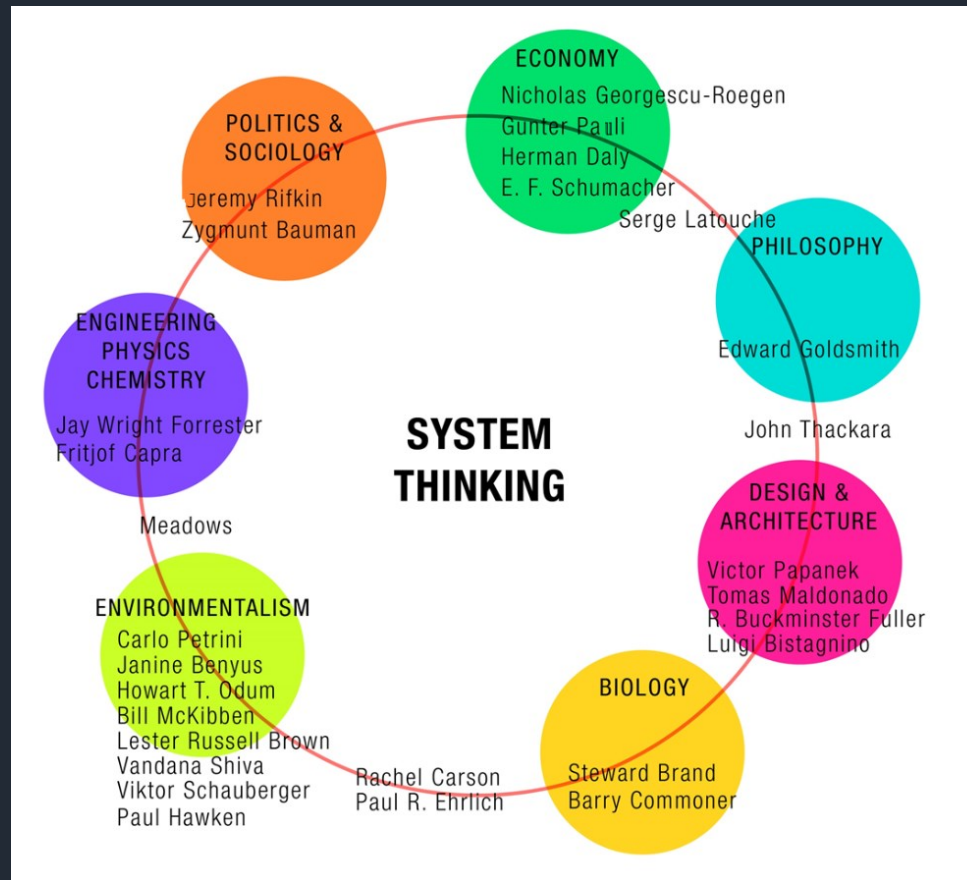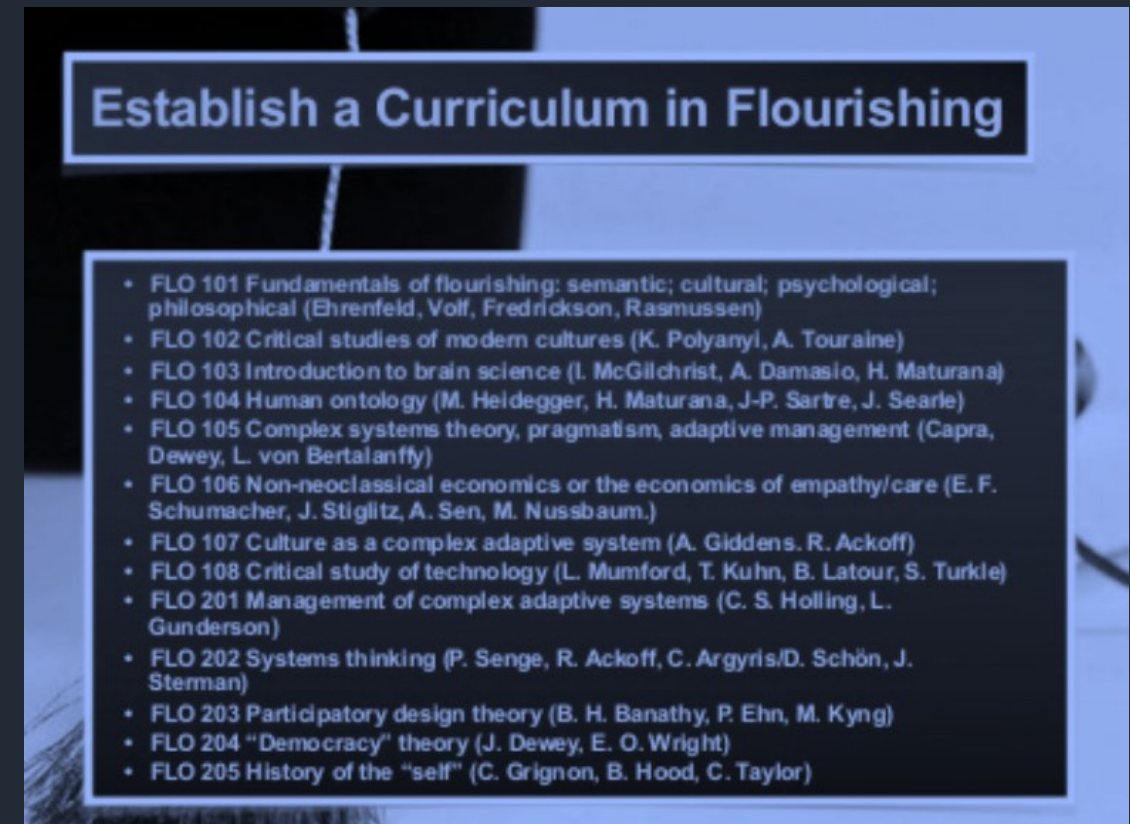


Joanna Boehnert
*Eco-Literacy Map, 2016*

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EUSKO IKASKUNTZA

**Eusko -Ikaskuntza**

eticoop
ecole territoriale

**Eticoop**

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Systemic Design in French Literature

**COMPLEXITY**

Edgar Morin



Edgar Morin
Introduction à la pensée complexe



Morin's Principles

Auto-organisation and Dissipative Structures

Information Cybernetic
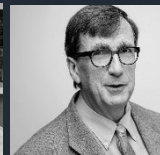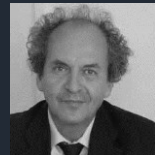
## DIALOGIC

two contradictory principles are united not to overcome the contradiction but to consider the complexity of the tension that this contradiction provokes

## RECURSION

procreative loop = the subject is a product of the system and at the same time the system is created by subjects' actions

## HOLAGRAMMATIC

"*the part is in the whole, but the whole is in the part*" - The whole system's behavior is engrammed in its elements, DNA example.

*Morin, E., 2005. Introduction à la pensée complexe. Vol. 96. Esf Paris.*
*Morin, E., & Le Moigne, J. L. (1999). L'intelligence de la complexité.*

*Real,M., Larrasquet, J-M., Lizarralde, I.(2017). A Complementary View on Complex and Systemic Approaches. "Systemic Design Method Guide for Policymaking: A Circular Europe on the Way"*

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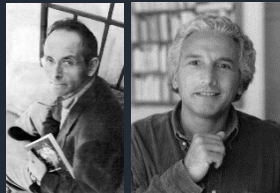
**ENACTION**

**CONSTRUCTIVISM**

"KNOWLEDGE" is an enaction of a system and a mind (Maturana et al., 1970) (not an accumulation of information) and an ACTION that comes into new phenomenon (not a prerequisite for action) (Benasayag, 2006,).

Knowledge is about modifying cognitive constructions to create clearness in experimentations and practices.
A system cannot be known without acting and transforming it (Piaget, 1998)
therefore DESIGN research and practices can be seen as means to operate research for action (Avenier et al., 2007).

Francisco Varela      Miguel Benasayag

Jean Louis Lemoigne      Marie-Jo Avenier

Avenier, M. J., & Schmitt, C. (2007). *La construction de savoirs pour l'action* (pp. 140-170). l'Harmattan.
Benasayag, M. (2006). Connaître est agir. *Paysages et situations, Paris, La découverte*.
Le Moigne, J. L. (1994). *Les épistémologies constructivistes*. Paris: Presses universitaire de France. Maturana, H and Varela, F. (1970) Autopoiesis and cognition, the realization of the living, Boston Studies on the Philosophy of Sciences, D. Reidel publishing Company. Morin, E. (2007) On complexity. Cresskill, NJ: Hampton Press.

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## Systemic Design in French Literature

## INNOVATIVE DESIGN

## TRANSLATION

Innovative Design processes involve the co-evolution of systems, mental representations and relationships between stakeholders.

With the Actor Network Theories, Akrich et al., (1988) proposed not only a frame to observe the co-evolution of processes of technical artifacts and social structures but also defined the notion of "translation" referring to the complexity of creating relationships when building innovating networks: stakeholders are constantly creating narratives that could create convergence or divergence between the diverse interests, enrol and disengage new actors.

Madeleine Akrich   Michel Callon   Bruno Latour   Norbert Alter

Alter, N. (2002). 1. L'innovation: un processus collectif ambigu. In *Les logiques de l'innovation* (pp. 13-40). La Découverte.
Akrich, M et al. (1988) A quoi tient le succès des innovations ? Annales des Mines.

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(New) Insights
for the SD community

## Jean Michel Larrasquet

*Professor -Action-researcher*

**Projectics**

**Eusko -Ikaskuntza**

**Eticoop**

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**Jean Michel Larrasquet**

**Biography**



**1950**       **1980**       **2000**       **2012**       **2018**
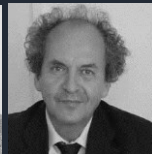
**Born in Paris
Within
a Barkoxe family**

**IUT – Bayonne - Lecturer / Professor in Management**

**ESTIA – Creation of a research group on action-research / STEAM**

**Study at Toulouse – ENS Paris
– PhD at Lyon**

**Mondragon** Unibertsitatea (MU) - Pr

**Projectics – Society – Co-founder / President**

**President of Eusko Ikaskuntza,
Basque Analysis Society**

**Creation ot ETICOOP**

**Professor** | **Territorial Activist** | **Prospective Researcher** | **Manager**

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**Jean Michel Larrasquet**

**Projectics**

Conference + Journal ( ISSN : 2031-9703)

- Linked to the field of human action complexity within the organizations
- **Territory, Responsible Innovation, Complexity, Entrepreneurship**
- Going beyond rationality (within emotions, inter-subjectivity, intentionality, etc.)
- Moving towards **open approaches** which are aware of the limits of reason, **face contradictions and paradoxes**, and are systematically based on the research of de-compartmentalization.
- Reintroducing **complexity** to understand organizations
- **Transdisciplinary** approaches
- Published in Spanish / French / English

Intervenants :

*Bruno Latour, Marie-Josée Avenier, Isaac GETZ, Jean-Michel Goyard, Jean Claude Ermine, Nicholas COUTTS, Charles Van der Haegen, Jean-François Zobrist, Jean La Michel Adam, Richard Owen, Dany Gerbinet, Vincent de Gaulejac, Albert Jacquard Alain d'Iribarne, Joël de Rosnay*

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**Jean Michel Larrasquet**

**ETICOOP**

- Collaborations multi-stakeholders

- Global approach of entrepreneurship

- Within design and action-research practices

- Thinking systems / Challenging ideas / Using Critic Design / PSS / Eco-Innovation tools during the early development of entrepreunarial practices

**VALEURS COOPÉRATIVES**          **INNOVATION**          **TERRITOIRE**

R&D
Thesis and collaborative projects with territorial stakeholder

Role of finances

Cooperation, Agriculture and Short-loop models

Support
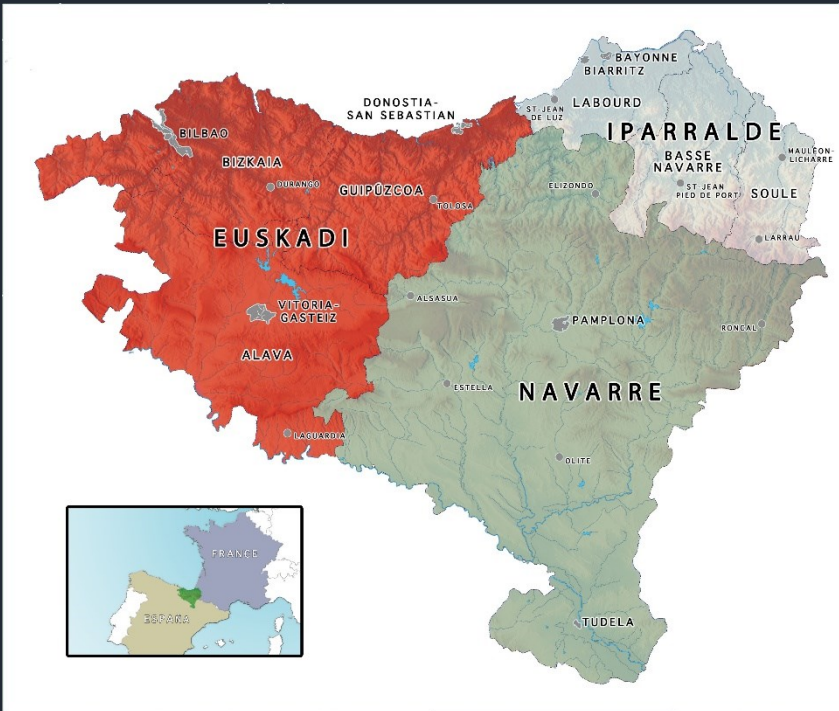Creation of new activities

Transmission

Manager

120h + 2 years of free supports

Events
For Bank collab and admin, experts and territorial stakeholders

Creation coffee, Transregional days…

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**Jean Michel Larrasquet**

**Eusko Ikaskuntza**



Eusko Ikaskuntza – Society of Basque Studies, EL-SEV is a private scientific-cultural entity founded in 1918 by the Autonomous Regional Governments of Araba-Alava, Biscay, Guipuzcoa and Navarre to give a global and comprehensive response to the social challenges of Vasconia taking into account its territorial particularities and overcoming administrative, ideological and social barriers.
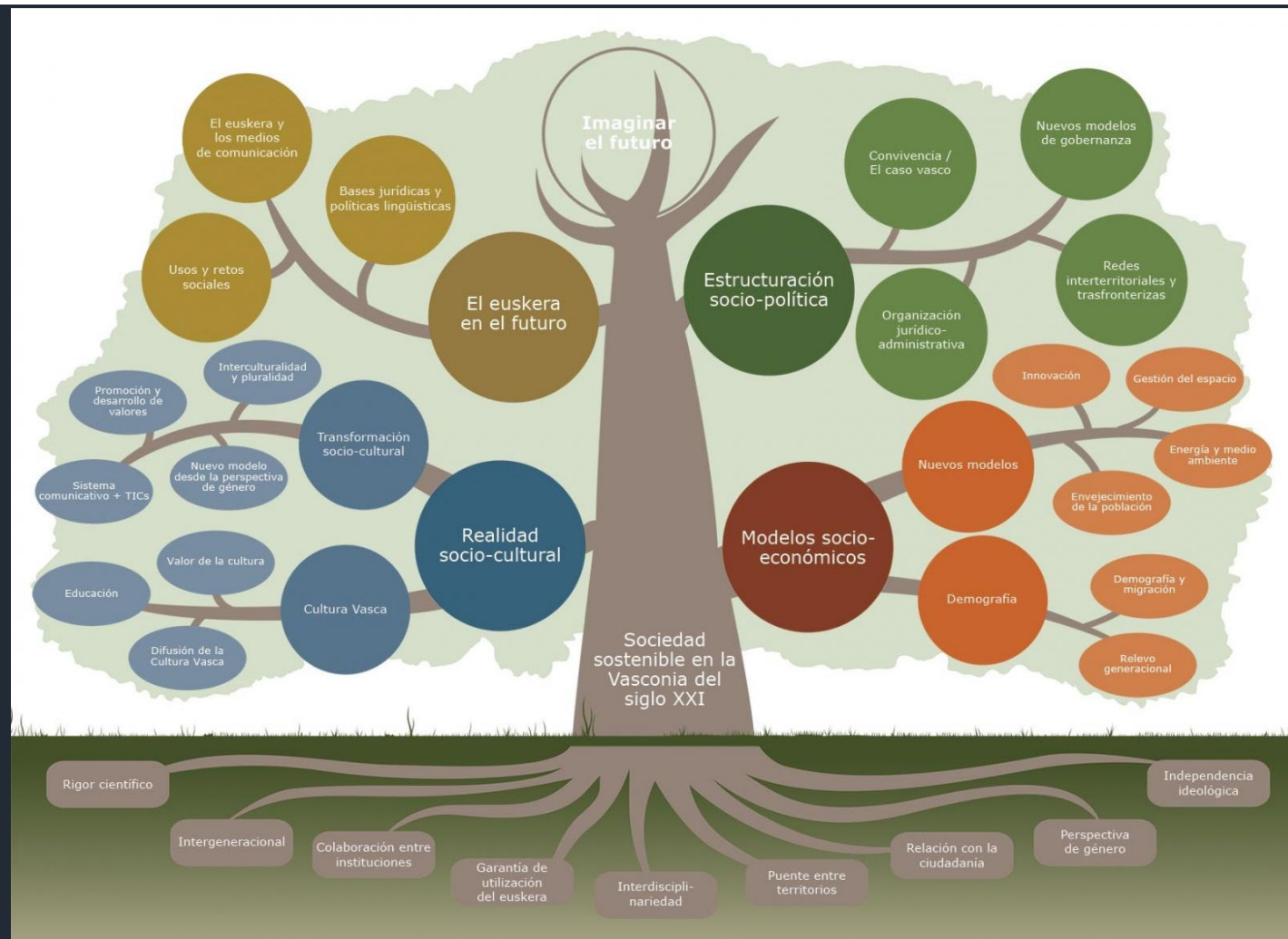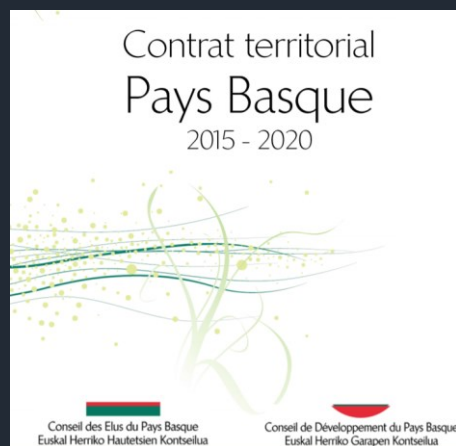


By understanding the past Eusko Ikaskuntza-Society of Basque Studies undertakes research and analysis which give rise to formulae and guidelines for the present and future of Basque Society.

It is the only multidisciplinary institution of a scientific nature that is formally established in the Autonomous Basque Region, the Autonomous Region of Navarre and the Continental Basque Country.

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**Eusko Ikaskuntza**

IMAGINING THE FUTURE
within the diversity of territories
(rural/urban)
involving citizens and territorial stakeholders
for prospective works

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**Systemic Designer**

**Creating
conditions for
emergence**

Complexity

Constructivism

Enaction

Translation

**Training
On meta-cognitive
skills**

**Highlighting the Power
of Cultural Vibrancy**
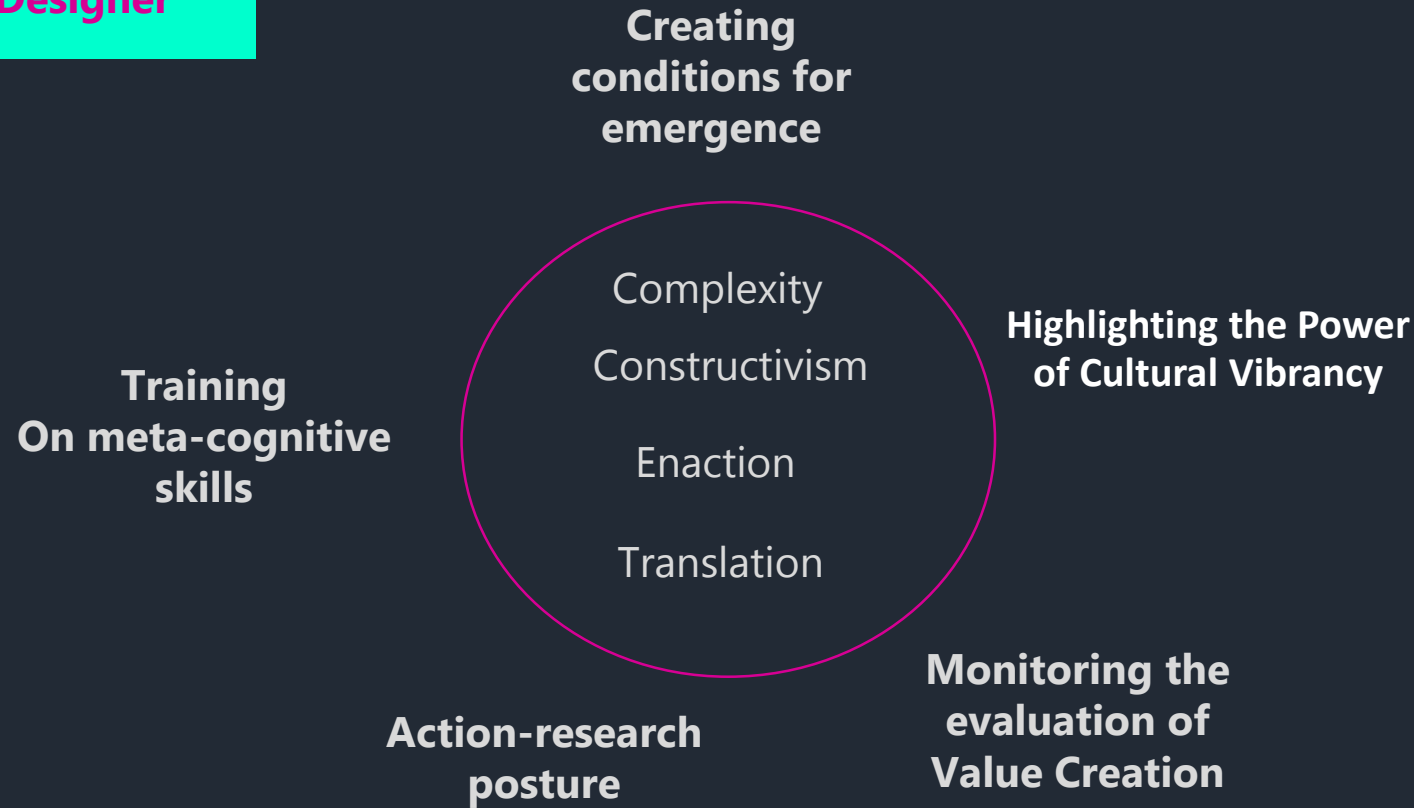
Supporting transitions
Towards eco-sufficiency and
eco-efficiency
For territories

**Action-research
posture**

**Monitoring the
evaluation of
Value Creation**

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Conclusion

## THANKS FOR YOUR ATTENTION

*"Complex organizations are networks of people*

*embedded in territories*

*and cognitive's processes **constructing** transitions*

*with **sense-making, ethics, care and emotions**".*