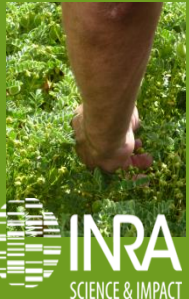


*Agroecology forum- ISARA Lyon  
26/10/2017*

**Knowledge and experiences  
sharing on an experimental  
farm station :**

**New roles and postures**

*Juliette Anglade (INRA, UR ASTER Mirecourt)*





# Mirecourt experimental farm station : 3rd place to support the agroecological transition

- Green: Prairies permanent
- Yellow: Prairies permanent
- Blue: Rotations 6 ans
- Red: Rotations 8 ans

240 ha (Vosges, NE France)  
Mixed crop and livestock farm  
Self-sufficient  
Step-by-step approach  
15 permanent agents



## Experiments



AGRONOMY ZOOTECHNICS ENVIRONMENT

## Share

5000 visitors between 2011 and 2016

30 % farmers

50 % students

## Experiences



30 days /yr

Since 2016 a social experiment : co-design, individual and collective support, formalization, evaluation ...  
(2 yrs post-doc)

# From knowledge production to experiences sharing

**Intensification**  
Animal + vegetal

**De-intensification of permanent grassland**

**Self-sufficient mixed crop and dairy systems**

**Local agri-food system**

1961



1985



2004



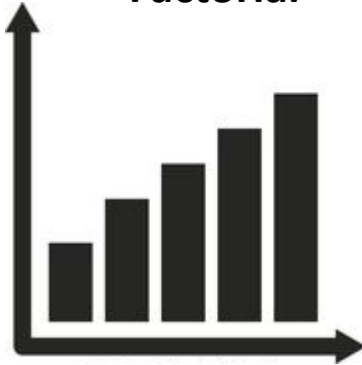
2015



Design & analysis



Factorial

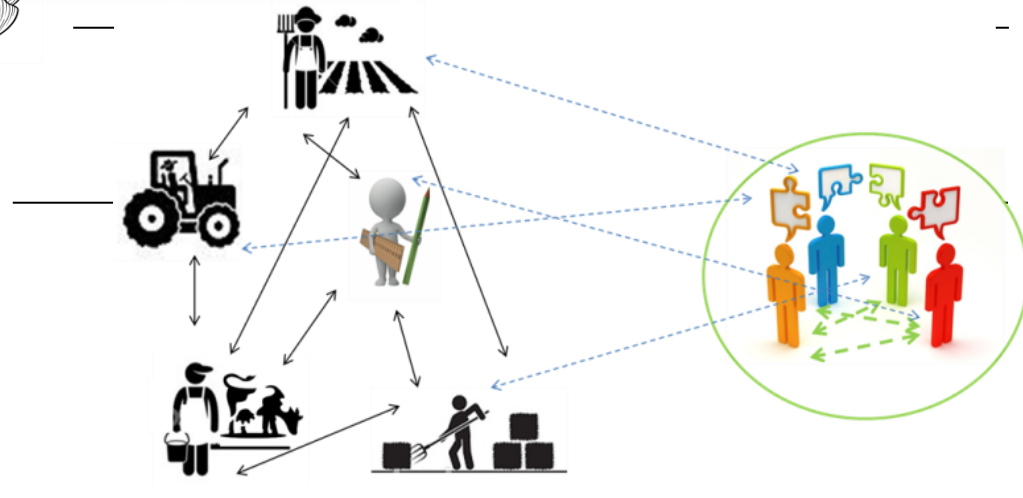


All farm



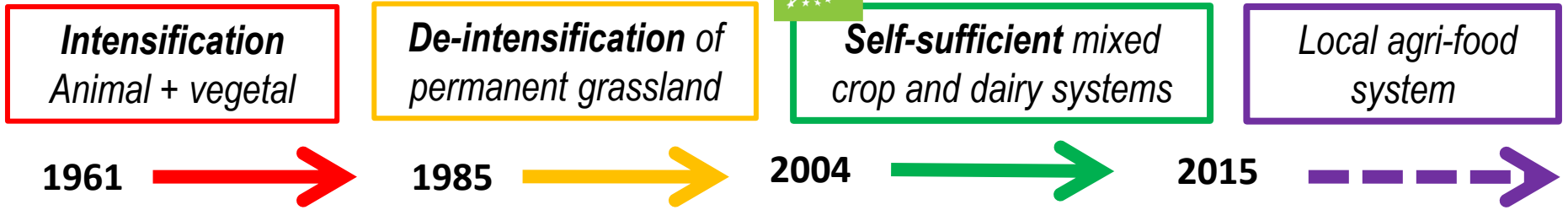
K


Posture



Modalities

# From knowledge production to experiences sharing



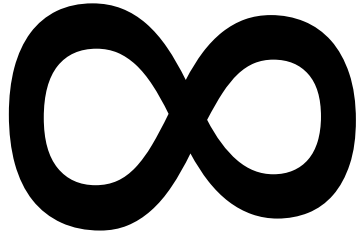
<b>Design &amp; analysis</b>	Factorial Reductionist Optimisation Environmental controls	→	Multifactorial Systemic Valuation, daptation (step-by-step) Dealing with
<b>K</b>	Scientific K Technical references (certain, valid/true, precision)	→	≠ Scientific K Experiential agro-ecological K (Moving, trial/error, uniting)
<b>Posture</b>	Diffusionnist, ontologist Transfer Demonstration	→	Socio-constructivist Share, exchange, argumentation, appropriation, transformation
<b>Modalities</b>	Thematic Objectives and results 1 engineer + farm manager 2 h (indoor classroom)	 <i>Tensions</i> <i>Organic conversion</i>	Systemic Objectives + Subjectivities Practicioners + engineers 1-4 days (Farm immersion, learner-centered inquiry)



# Typical course of the exchange days

Presentations

Testimonies



Sensory immersion

Appropriation



Anticipation attitude

Socio- cognitive dimension  
(« tactile space »  
embodied + embedded K)

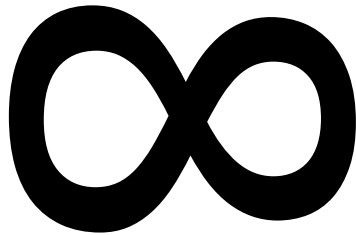


« It's a quality hay, it pricks, smells good. It seems not organic ! »

# Typical course of the exchange days

**Presentations**

**Testimonies**



**Sensory immersion**

**Appropriation**

Activity, narratives, quotidian indicators, experiences difficulties/levers, mistakes, feelings, values, norms

From visitors inquiries  
Self-built supports

« We don't know anymore what is a weed-free field... Neighbours sights have less and less importance »



*Present (experience and future horizon)*

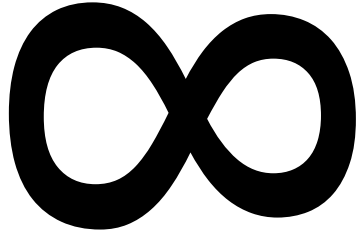




# Typical course of the exchange days

**Presentations**

**Testimonies**



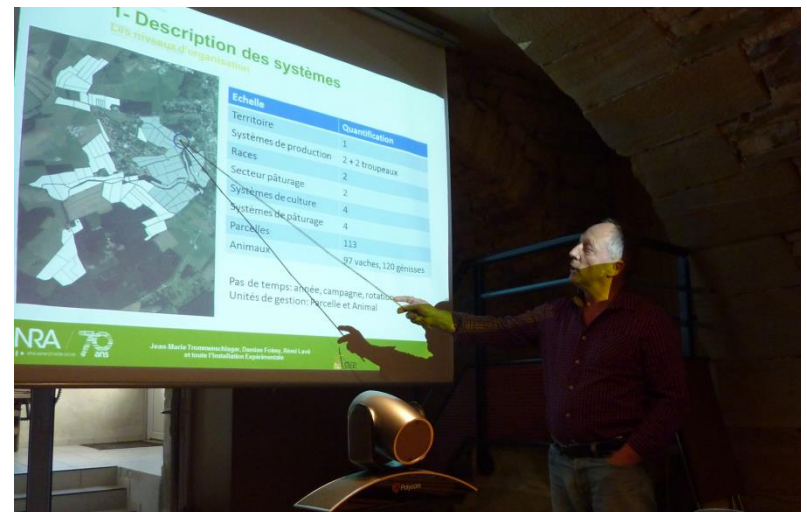
**Sensory immersion**

**Appropriation**

**+ formal - Interactions**

**Information, explications, reification,  
enculturation, demonstration,  
precision...**

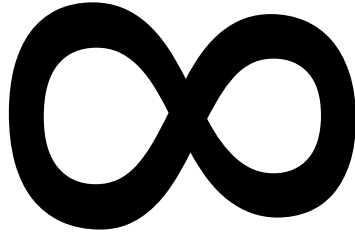
*Summary or prospective vision*



# Typical course of the exchange days

Presentations

Testimonies



Sensory immersion

Appropriation



*A socio-constructivist learning approach*

**Continuous process**

**3 sequences time :**

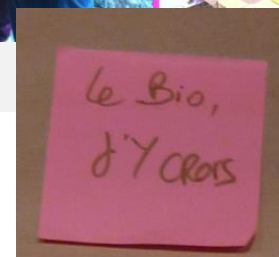
- 1) Individual « digestion »
- 2) Interactions, exchanges point of view
- 3) Restitution, memorization, questions, transposability

« Socio-scientific » reasonments :  
Interlock of cognitives, affectives,  
social, and axiological dimensions



**Conversation maps**

« I believe in OF »





# Main statements for discussion

- K draw on practices (experiential ) is pivotal to both produce and share useful knowledge for action in complex agroecological systems
- Interactions with visitors' in an experimental farm station on agroecological issues :
  - questions the ways of producing and sharing knowledge
  - redefine positions in an implicit hierarchy of K
  - impact socio-professional identities
  - require new skills (pedagogy, orality)
  - destabilize and legitimate (urgent societal issues)