YOU WILL BE MULTIDISCIPLINARY AND AGROECOLOGICAL
Let's write a review paper on Agroecology!

But... What does it mean??

MAYBE I'LL START WITH THE ACKNOWLEDGEMENTS...

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Incorporate Agroecology within research

The ongoing story of four young researchers…

4th BELGIAN AGROECOLOGY MEETING – BRUSSELS – 5th November 2014

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What Agroecology suggests

It warns against one-fits-all solutions

► Cross scales

► Combine methods

► Multiple stakeholders

► Various disciplines

(Lyon et al., 2011)

(Doré et al., 2011)

(Mac Millan & Benton, 2014)

(Tomich et al., 2011)
Initial plan

How putting agroecological principles into practice?
Interdisciplinary seminar

(Steyeart, 2014)

(Bawden, 1997)
How now does it challenge our way of doing research?

1. Translate a societal issue into a scientific problem?

2. Question our posture of research?

3. Implication in terms of methodologies?
1. Translate a societal issue into a scientific problem?
Translate a societal issue into a scientific problem?

Case: Ecosystem services (ES) in agriculture

T’s: Field thesis committee
Tool used: the framework of ES
- Biophysical ES valuation
- Social ES valuation

(Bawden, 1997)
2. Question our posture of research?
Case: Learning processes

Question our posture of research?

Coordination – biodiversity and farming

Locked in public policies

Transformative BUT Posture

Comprehensive BUT Topic

Farmers searching for autonomy
Bawden ‘Window on the world’ matrix

(Bawden, 1997)
3. Implication in terms of methodologies?
Case: Agroforestry system in Belgium

Implications in terms of methodologies?

Agronomic field experiment

Quantification of process

Modeling

Management tool

Pictures: S. Artru
Bawden ‘Window on the world’ matrix

(Bawden, 1997)
Implications in terms of methodologies?

Case: Wildflower strips for controlling pests

Experimental design

Optimizing flower mix composition

Semi-directive surveys

How farming context affect wildflower strips implementation
Bawden ‘Window on the world’ matrix

(Bawden, 1997)
Conclusion

Contextualism  Holism  Reductionism  Objectivism

Holocentric  Ecocentric  Technocentric

(Bawden, 1997)
THANK YOU!

For more information

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References


