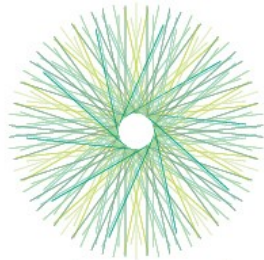


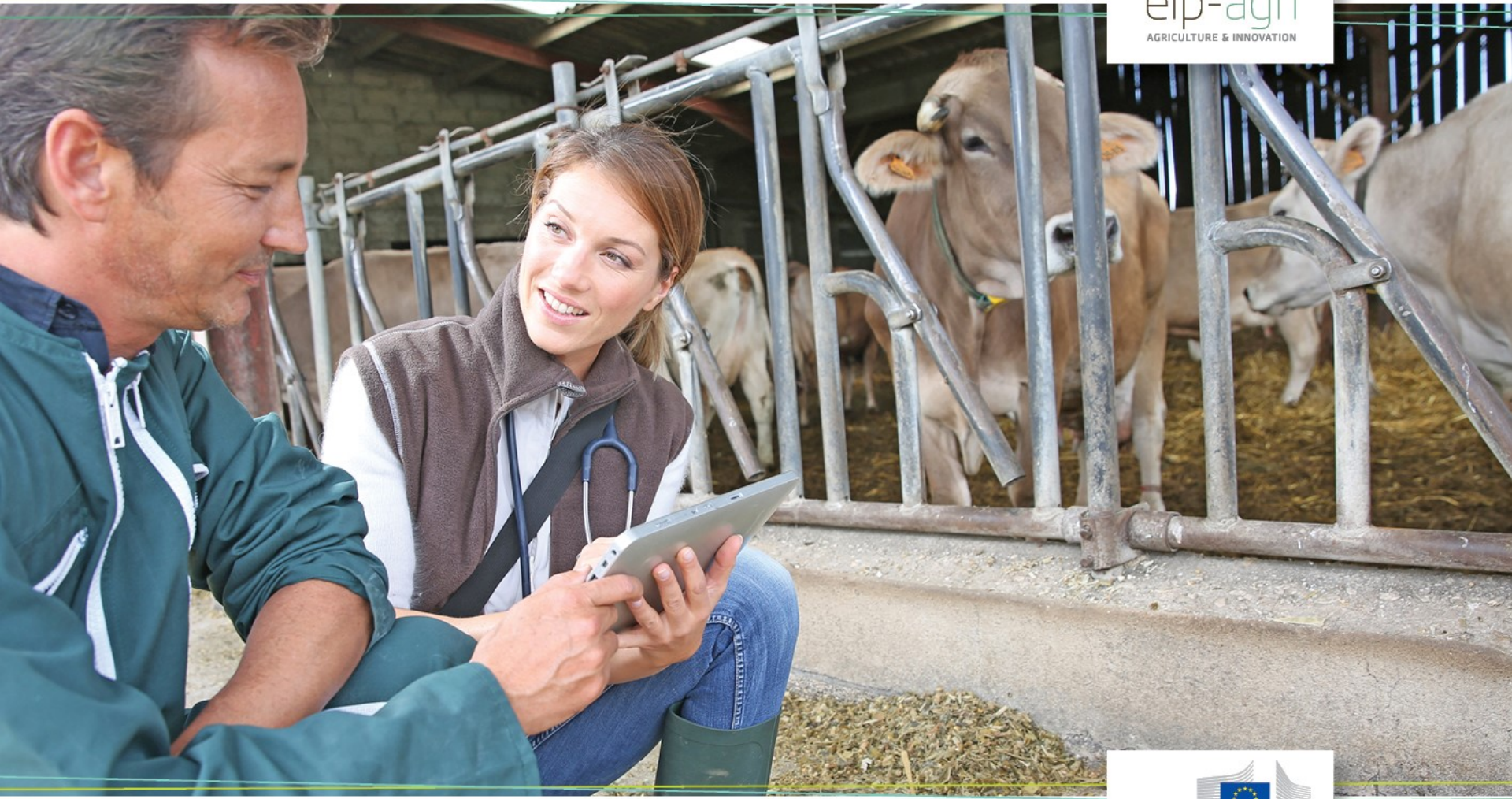
# EIP-AGRI Workshop

## Tools for environmental farm performance

7 - 8 February 2017 – Zagreb, Croatia



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## EIP-AGRI Workshop 'Tools for environmental farm performance' Tuesday 7 February 2017, Zagreb - Croatia

12:00 – 13:00 Registration and buffet lunch

13:00 – 13:10 Welcome words

- *Iman Boot, DG Agriculture and Rural Development*
- *Krešimir Ivančić, Croatian Ministry of Agriculture*

13:10 – 13:20 Icebreaker

13:20 – 13:40 Introduction to the theme of the workshop by DG AGRI

**13:40 – 14:00 Setting the scene by Janet Dwyer and Marta Pérez-Soba, coordinating experts of the workshop**

14:00 – 14:45 Elevator pitches, highlighting the three main reasons for which farmers may use sustainability tools (farm initiative, food chain, legislation)

Consecutive panel reflections

- *Martijn Buijsse, Skylark, The Netherlands*
- *Vincenzo Angileri, Joint Research Centre, European Commission*
- *Simon Miller, Cool Farm Tool, UK*

14:45 – 15:45 Presentations of existing environmental sustainability tools

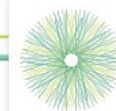
- *John Lynch, TEAGASC, Ireland*
- *Romain Dieulot, FNCIVAM, France*
- *Kathryn Green, LEAF, UK*
- *François Lerin, CIHEAM-IAMM & HNV-Link Thematic Network, France*
- *Josien Kapma, Boer & Bunder, The Netherlands*
- *Dóra Mészáros, SMART, Hungary*

15:45 – 16:15 Coffee break

16:15 – 18:00 Break-out sessions

19:00 Networking dinner

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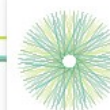
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## EIP-AGRI Workshop 'Tools for environmental farm performance' Wednesday 8 February 2017, Zagreb - Croatia

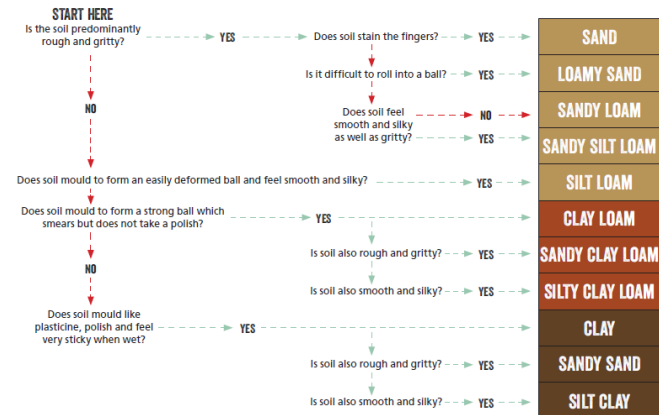
- 09:00 – 09:30 Energiser exercise  
Summary of previous day and conclusions by coordinating experts  
Janet Dwyer and Marta Pérez-Soba
- 09:30 – 10:30 Break-out session
- What does the ideal tool look like to you?
  - What can you do to make such a tool become a reality?
- 10:30 – 11:00 Coffee break
- 11:00 – 11:45 Break-out session (continued)
- If you would start an EIP-AGRI Operational Group to design the ideal tool, what would be the main problem to solve or opportunity to take, who would be the partners and how would you design the project?
- 11:45 – 12:00 Harvesting
- 12:00 – 12:30 Plenary session
- What happens after the event? Concrete ideas for follow-up actions
- 12:30 – 13:30 Lunch and departure

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# Tools for Environmental Sustainability – introducing the concept

JANET DWYER, CCRI (UK) AND MARTA PÉREZ-SOBA, WUR (NL)







## Environmental Sustainability Tools

**Technical tools, checklists, decision-trees, or other guided and structured approaches - used to improve the environmental sustainability of the farm and its practices**

- simple checklists & self-audits / reviews
- ICT programmes for gathering, storage, retrieval and organisation of farm data
- computer-based programmes answering "What if?" questions, advising best practice
- Mobile device apps allowing in-field checking of key indices (e.g. soil moisture) diagnosis of action

## Environmental Sustainability Tools – WHY use them?

- Supply chain requirements for high-quality produce
- Assuring and supporting regulatory compliance
- Realising economic gains – environmental efficiency, reduced costs, price premia
- Social esteem / recognition in the community
- Personal environmental interest and concern



## Examples

**LEAF Audit**

**LINKING ENVIRONMENT AND FARMING**

Fertiliser saved €9,600  
Cost of sampling €3,900  
Annual savings of €5,700

Leading the field in sustainable agriculture

**eco5050c**

**Nutrient Management Plan**

eco5050c Add Soil Sample

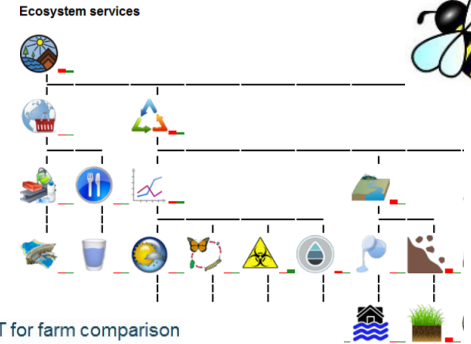
Sample Code: 537  
Soil Code: 100  
Sample Date: 01/12/13  
Soil Texture: Loam

18 mg/l P, 153 mg/l K, 53 mg/l Ca, 10 mg/l S, 1.3 mg/l Cu, 1.3 mg/l Zn, 1.3 mg/l Mn, 1.3 mg/l B, 1.3 mg/l Mo, 1.3 mg/l Ni, 1.3 mg/l Co, 1.3 mg/l Se, 1.3 mg/l V, 1.3 mg/l Cr, 1.3 mg/l Pb, 1.3 mg/l Cd, 1.3 mg/l Hg, 1.3 mg/l As, 1.3 mg/l Sn, 1.3 mg/l Sb, 1.3 mg/l Ba, 1.3 mg/l Sr, 1.3 mg/l Zr, 1.3 mg/l Nb, 1.3 mg/l Mo, 1.3 mg/l Ag, 1.3 mg/l In, 1.3 mg/l Ga, 1.3 mg/l Ge, 1.3 mg/l Br, 1.3 mg/l I, 1.3 mg/l Pt, 1.3 mg/l Au, 1.3 mg/l Hf, 1.3 mg/l Ta, 1.3 mg/l W, 1.3 mg/l Bi, 1.3 mg/l Po, 1.3 mg/l At, 1.3 mg/l Rn, 1.3 mg/l Fr, 1.3 mg/l Ra, 1.3 mg/l Ac, 1.3 mg/l Th, 1.3 mg/l Pa, 1.3 mg/l U, 1.3 mg/l Np, 1.3 mg/l Pu, 1.3 mg/l Am, 1.3 mg/l Cm, 1.3 mg/l Bk, 1.3 mg/l Cf, 1.3 mg/l Es, 1.3 mg/l Fm, 1.3 mg/l Md, 1.3 mg/l No, 1.3 mg/l Lr

Click Save Save + New Cancel

## Nutrient Management Plan

## The EFA calculator



### Using SMART for farm comparison



## SMART Sustainability Monitoring Assessment Routine

### HOW DOES IT WORK? CALCULATOR

Table with columns: Indicator, Weight, Score, and Status. It contains data for various sustainability indicators and their corresponding scores and weights.

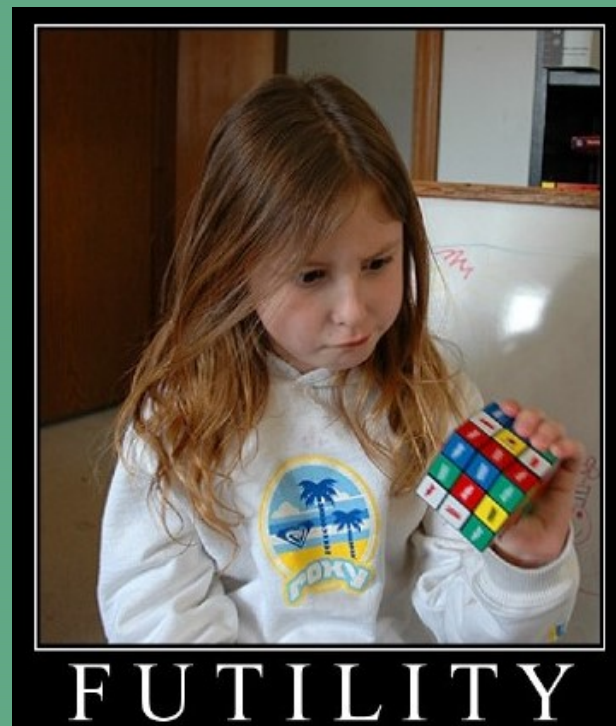


## DIAGNOSIS OF Sustainability



## Environmental Sustainability Tools – WHY DON'T FARMERS USE THEM?

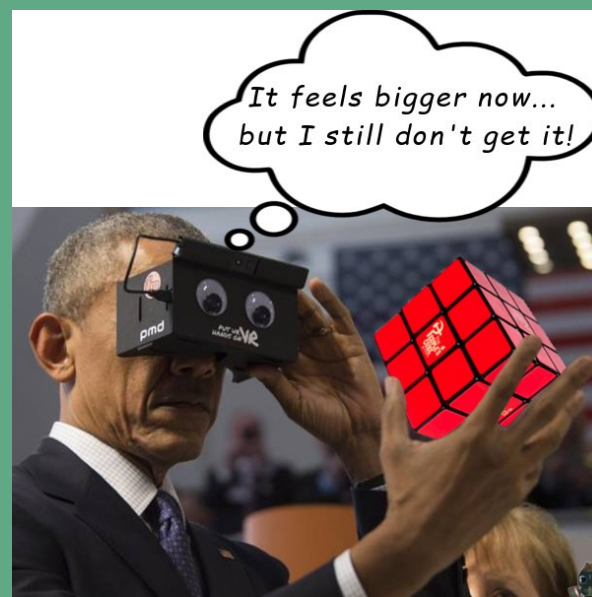
- Not relevant...  
Mis-specified: farmers and designers don't have a common view of what is useful





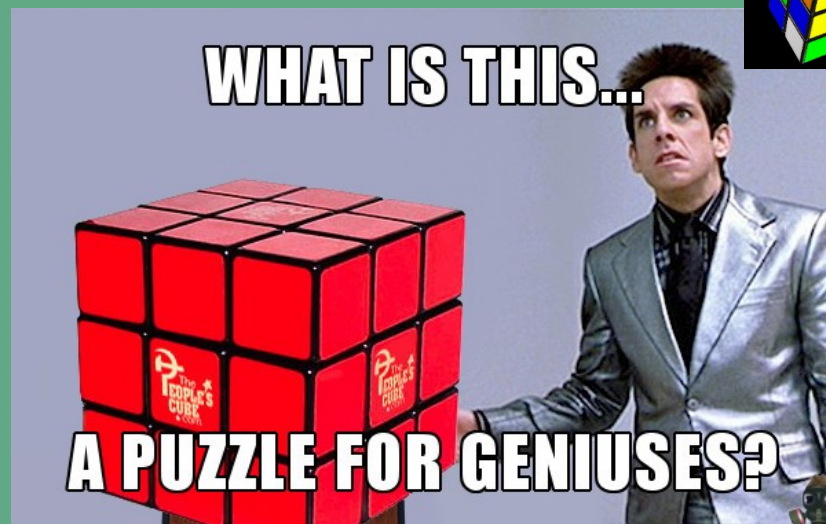
## Environmental Sustainability Tools – WHY DON'T FARMERS USE THEM?

- Relevant but...  
Too complex to use /  
understand



## Environmental Sustainability Tools – WHY DON'T FARMERS USE THEM?

- Relevant but...  
Takes too long to set up / learn how to use effectively  
Do the benefits really outweigh the costs, in practice?





## Environmental Sustainability Tools – WHY DON'T FARMERS USE THEM?

- Relevant but...lack of trust
  - Is the tool a way to impose practices?
  - Will it share my commercial-in-confidence information?



# Environmental Sustainability Tools – WHY DON'T FARMERS USE THEM?

Co-design?  
Iterative tool -  
development  
process?

User perception	Relevant	Content	User interface	Trust
Tool is mis-specified	Red	Red	Yellow	Yellow
Too complex to use / understand	Green	Red	Red	Yellow
Takes too long to set up / learn how to use effectively	Green	Green	Red	Yellow
Impose practice, break confidentiality	Green	Green	Green	Red



## Key questions to ask

- **WHY SO MANY TOOLS, BUT FEW ADOPTERS?**
- **WHICH SITUATIONS, TYPES OF FARMER AND OPPORTUNITY, ENCOURAGE EFFICIENT AND EFFECTIVE DESIGN AND USE?**
- **HOW CAN MORE OPEN, POSITIVE DESIGN PROCESSES BE PROMOTED, INVOLVING USERS AND BENEFICIARIES?**
- **WHICH CONTEXTS AND TRENDS FAVOUR SUCCESSFUL EST?**
- **HOW CAN SPONSORS AND INITIATORS ENSURE THAT THEIR TOOLS WILL BE USED?**



# EIP-AGRI Workshop 'Tools for environmental farm performance'

All presentations & background  
documents are available  
on the [event webpage](#).

[www.eip-agri.eu](http://www.eip-agri.eu)

