

**Forescene Workshop - Firenze 19-20 october 2006**

# **Scenarios for agri- environmental policy design and implementation**

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# Objective

- discuss how scenario could be applied to agri-environmental policy design, in order to fit with present and future policy issues

# Outline

1. Objectives
2. Personal experience
3. The context
4. A reference framework
5. Wider scenarios
6. Agricultural policy and market scenarios
7. Agri-environmental Policy options
8. Discussion

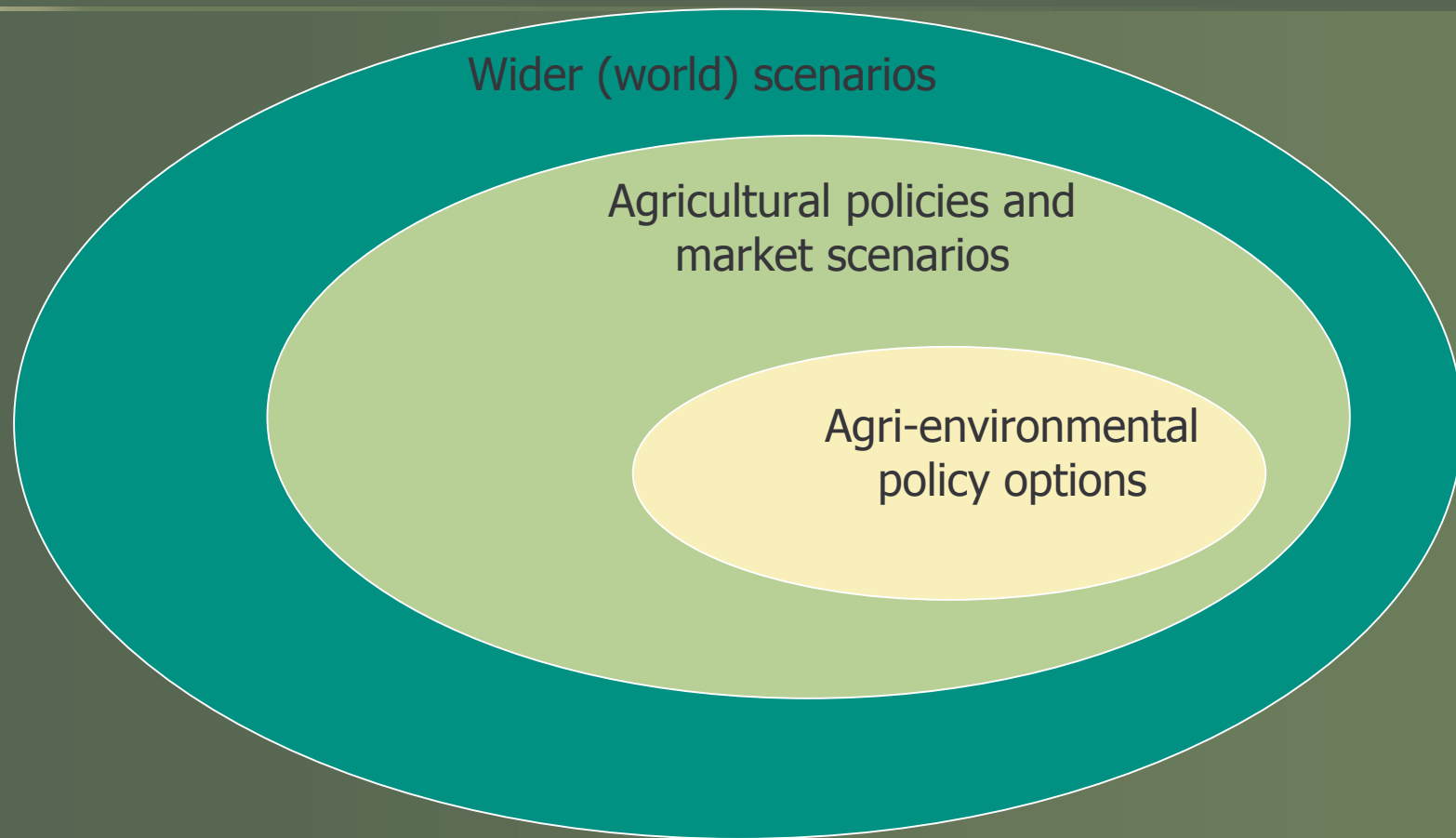
# Personal experience & background projects

- **WADI – “Sustainability of European Irrigated Agriculture under Water Directive and Agenda 2000”, 5fp, 2001-2003**
- **ITAES – “Integrated tools to design and implement agro environmental schemes, 6fp (STREP) 2003-2006**
- **TENDER J05/13/2005 - Investment behaviour in conventional and emerging farming systems under different policy scenarios**
- **EUROCROP – “Agricultural Research for Improving Arable Crop Competitiveness”, 6fp (CA), 2006-2008**
- **AQUAMONEY - “Development and Testing of Practical Guidelines for the Assessment of Environmental and Resource Costs and Benefits in the WFD”, 2006-2008.**

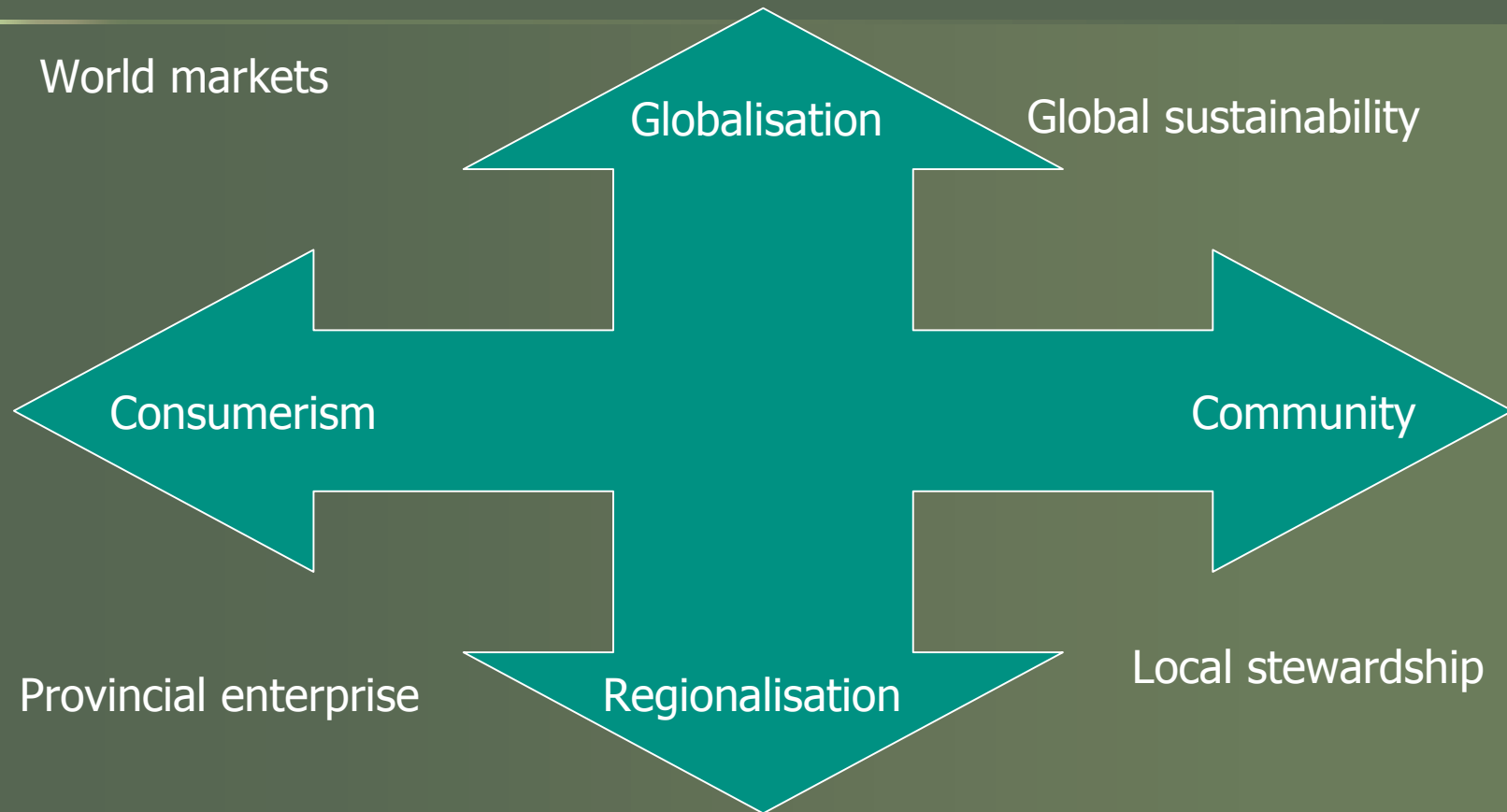
# The context

- Huge structural change ongoing:
  - From household to legal entities
  - Agriculture & environment
  - Markets crisis in EU
  - New technologies?
- 2003 reform+RD reform
- WTO negotiations
- What after 2013: rethinking agriculture and AEPs

# A reference framework



# Wider scenarios (from WADI)



# Agricultural policy and market scenarios

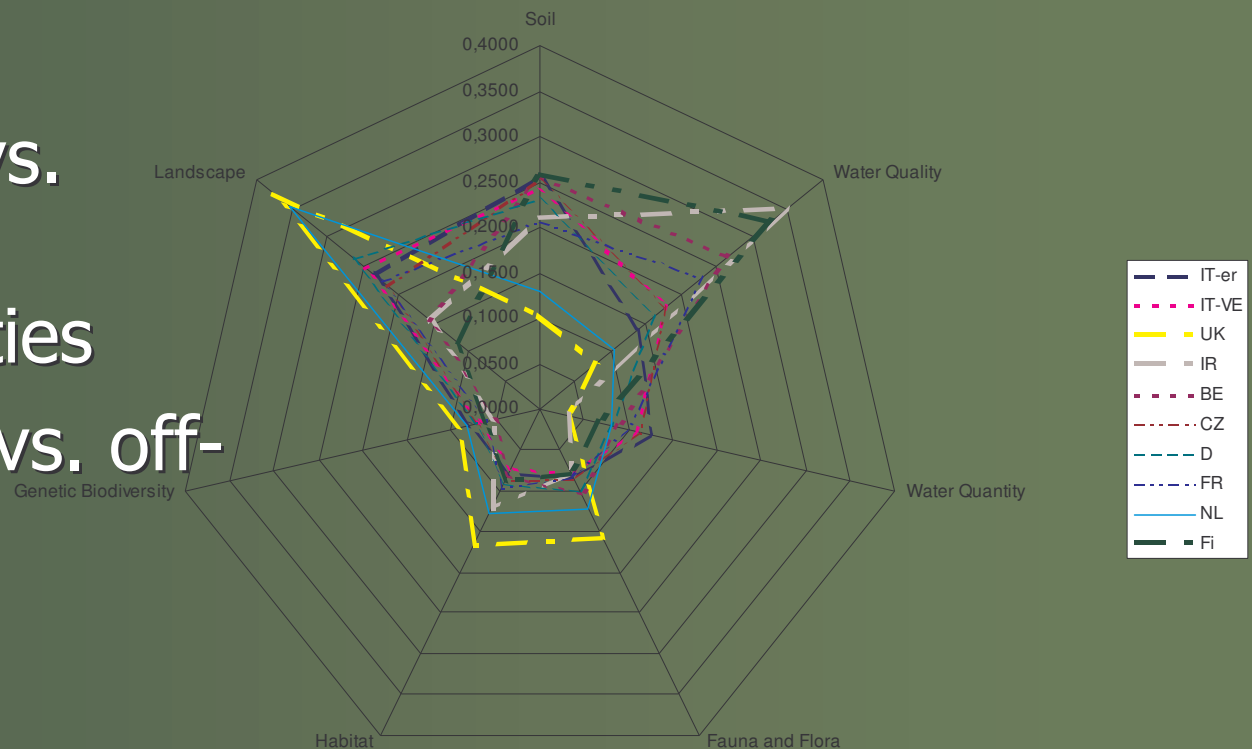
- Policy:
  - protection
  - priorities
- Markets:
  - consumption
  - technologies



# Agri-environmental Policy options (1) (ITAES)

Objectives:

- Positive vs. negative externalities
- On-farm vs. off-farm



# Agri-environmental Policy options (2)

Design (Latacz-Lohman, 2001):

- policy instrument
- target
- addressee
- regulation area
- level of administration
- enforcement strategy

# Agri-environmental Policy options (3)

## Options (ITAES):

- Large variability
- New perspectives:
  - Connections with other ag. schemes and policies (RD & leader, cros-compliance, reforms, ...)
  - Connections with other policies (urban development and planning, Natura 2000, WFD, ...)
  - Local contracts and markets
  - Auctions
  - Environmental cooperatives
  - Environmental agreements
  - Role of different institutional levels
  - ...

# Discussion

- Connection between scenario levels
- Huge uncertainty
- Relevance of non farming factors
- Scenarios to affect the future!

# References

- WADI

- <http://www.uco.es/grupos/wadi/wadibook.pdf>

- <http://www.uco.es/grupos/wadi/>

- ITAES

- <http://merlin.lusignan.inra.fr/ITAES/website>

# Thank you

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