

**Sustainability Impact Assessment:
Tools for environmental, social and economic
effects of multifunctional land use in European Regions**



SEAMLESS Start-up meeting, Lund 25 January 2005





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effects of multifunctional land use in European Regions**



SENSOR

FP 6 Integrated Project

Co-ordination:

**Leibniz-Centre for Agricultural Landscape and Land
Use Research, Müncheberg Germany**

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33 Partners

12.6 M€

Dec 2004 – Nov 2008





Sustainability impact assessment COM(2002)276

- ✓ Ex-ante, applied at the beginning of policy definition
- ✓ Trade-offs between environment, economy and society

Impacts:

- ✓ **Environment:** damages or benefits in physical terms and monetary terms
- ✓ **Economy:** macro-and micro-economic impacts; cost- effectiveness, cost-benefit
- ✓ **Society:** social acceptance, participatory aspects, governance issues



Aim

To deliver ex-ante Impact Assessment Tools (SIAT) to support decision making on policies related to multifunctional land use in European regions.

Integration of:

- Regional scale, European coverage
- spatial and temporal dimension
- various land use sectors
- social, economic, and environmental dimension
- Top-down / bottom-up approach

What we look at

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| Impacts | | Sector | | | |
|---------------|---|-----------|---------------|--------|---------------------------|
| | | Economic | Environmental | Social | |
| Agriculture | | + | + | + | |
| Forestry | + | + | + | + | |
| Nature Cons. | + | | | | |
| Tourism | | | + | | |
| Transport | + | | | + | |
| Energy | + | + | | + | |
| EU 25 regions | | Mountains | Islands | Coasts | Post-industrialised areas |

Multifunctionality



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Economic Functions

Income
Employment
Growth

Wellness functions

Health
Recreation
Aesthetics
Education
Cultural heritage

Landscape Functions

Functions ~ Demands ~ Goods and Services

Environmental Functions

Mitigation, Storage
Cleaning, Buffering

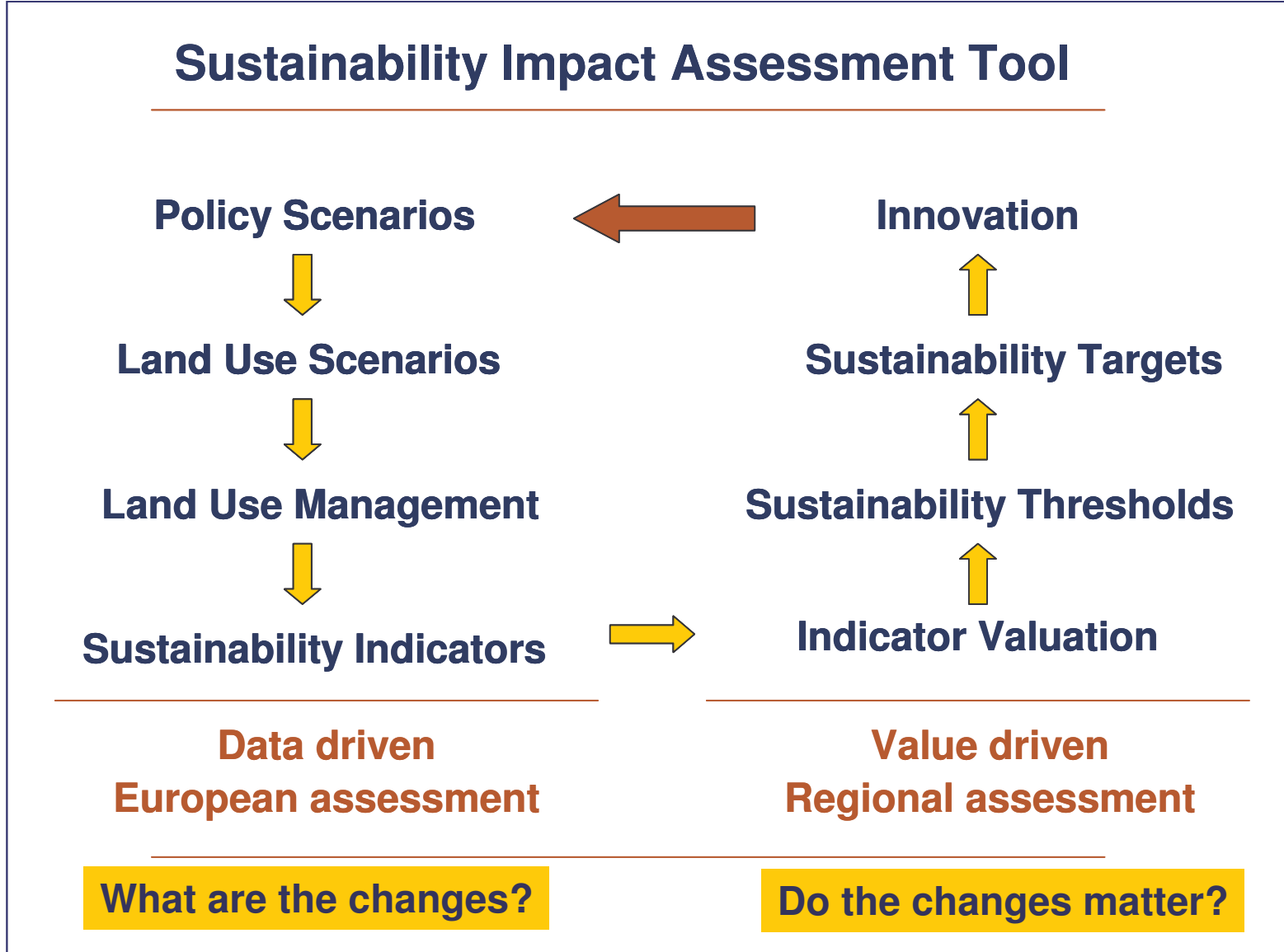
Biodiversity
Gene Pool

Production Functions

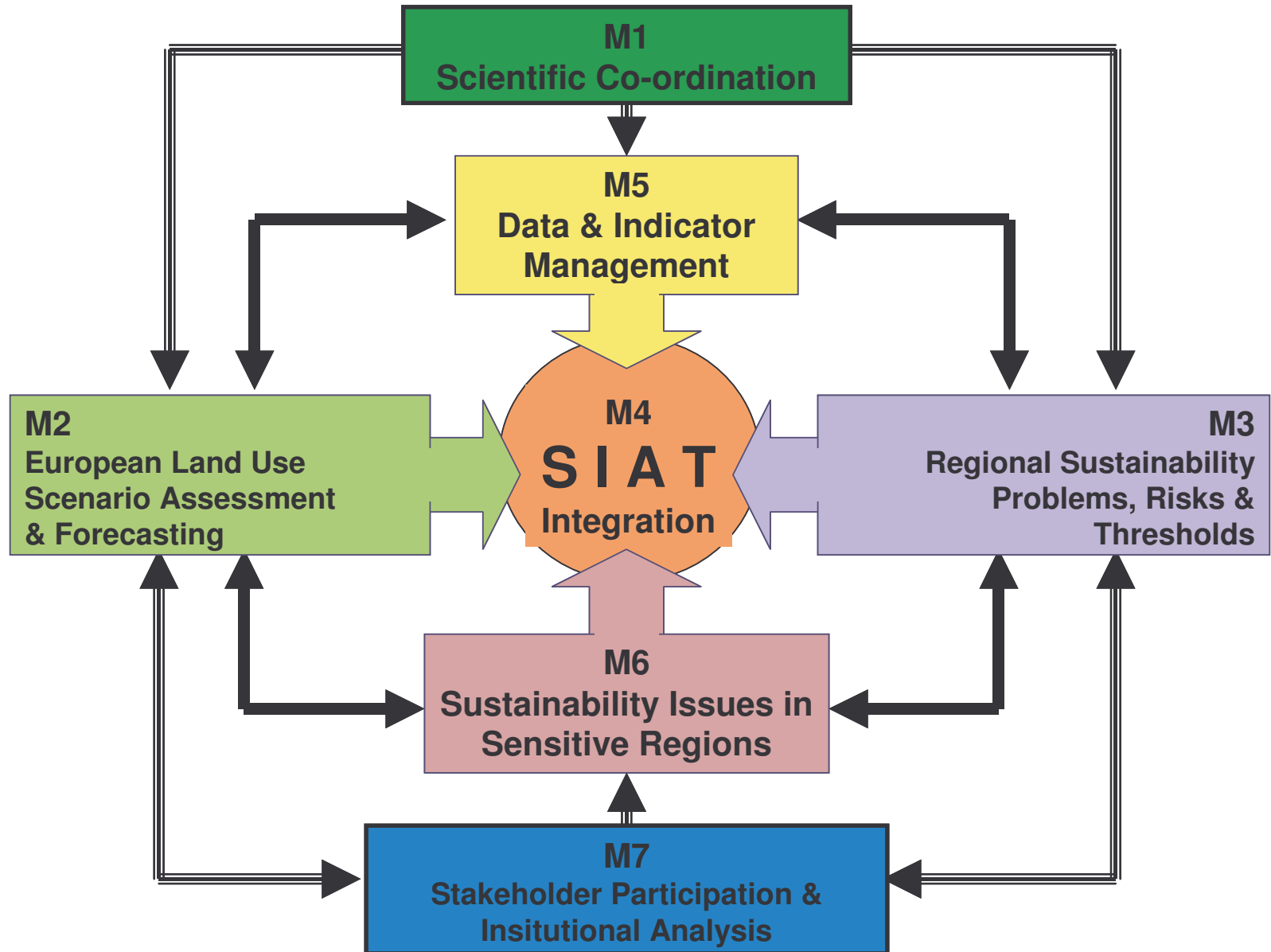
Food
Renewable Resources



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SENSOR partnership

33 partners
 15 countries

