

#### **Overview SMILE**

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#### Project

Synergies in Multi-scale Inter-Linkages of Eco-social Systems – SMILE

FP 7 Socioeconomic Sciences and Humanities (2008-2011)

Follows on from DECOIN, crossover to INDILINK



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#### **EU Partners**

- Finland Research Centre
- Parthenope University of Naples
- Autonomous University of Barcelona
- Free University of Amsterdam
- Romanian Institute of Economic Forecasting
- Statistics Finland



#### Project Concept

- Tools for analysing different dimensions of sustainability developed in DECOIN
- SMILE = apply and further develop the tools to look at trade-offs and synergies
- Social-metabolism (flows of energy, materials and money – cross-scale)
- Existing and new indicators
- Case-studies
- Interface with societal/policy processes



#### Work Packages

- WP1 Management
- WP2 Toolkit get up to speed/suggest modifications needed - Amsterdam
- WP3 Case-studies
- 3.1 Catalonia regional developed
- 3.2 Romania national transition
- 3.3 Laos farming system and nationa developing



#### Work Packages

- 3.4 Finland sector (forestry) developed
- 3.5 Italy local, regional and national agriculture and agro-industries.
- 3.6 Scotland
- 3.7 EU27 national & EU scales



#### Scotland Case-Study





# Sustainability Trade-Offs?

- Economic & Environment
   Increased tourism numbers in protected area
- Environment & Social
   Management of 'wild' or working landscapes
- Social & Economic
   Rising costs of living, low wages, youth exodus
- Policy & Governance
   Long term planning but short electoral cycles;
   integration of multiple interests with no carrots or stick
- Spatial Scale
   National Park but local impacts



# Work Packages (cont)

- WP4 Synergies and trade-offs and scenario building
- 4.1 Renewable Energy
- 4.2 Socio-demographics
- 4.3 Economic growth and environment
- Conceptualising appropriate measures
- Options ecosystem Services, UN millennium ecosystem assessment



## Work Packages (cont)

- Economic, Social and Environmental skills base
- Spatial land based added to per person, per £, per unit of energy
- Multi-scale household, community, region, national (linkages – drives - trends)
- Multi-temporal baselines & time series
- Software and applications
- Policy relevant a critical perspective



## Work Packages (cont)

- WP5 Interfacing with policy processes
- PENTACON
- Linkages with the CNPA KE and utility testing.
- KE framing the issues
- Utility testing "bridging the design use gap" – institutional, practical and other issues.