PEGASUS

‘Public Ecosystem Goods And Services from land management: Unlocking the Synergies’

Introduction to the project

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24/11/2017

Lisbon, Portugal
This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 633814

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PEGASUS – who we are
PEGASUS – an overview

• **Overarching objective:** to assess and stimulate more effective provision of public goods and ecosystem services from EU farmland and forests
  
  – The project is designed to explore key questions about how best to improve the social and ecological resilience of farming and forestry systems in the EU through enhancing the sustained provision of environmental and social benefits.

• **Key elements:**
  
  – Multidisciplinary
  
  – Participatory
  
  – Action research – 34 *case studies in ten European countries*
PEGASUS – our methodology

Maps, Toolkit and Lessons for policy and practice

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PEGASUS - Area of investigation

• 19 environmentally and socially beneficial outcomes, e.g.:
  – The sustainable management of natural resources (to ensure long term capacity to produce food)
  – Water quality and supply
  – High air quality
  – Climate mitigation & adaptation (e.g. fire & flood protection)
  – Healthy, functioning soils (functionality & protection)
  – Biodiversity
  – Maintaining and enhancing landscape character
  – Health, public enjoyment & educational opportunities
  – Farm animal welfare
  – Rural vitality
### Examples of PG & ESS challenges

<table>
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<tr>
<th>Desired outcome</th>
<th>Definition</th>
<th>Public goods</th>
<th>Ecosystem Services</th>
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</thead>
<tbody>
<tr>
<td><strong>Soil protection</strong></td>
<td>Achieving (or maintaining) minimisation of soil degradation</td>
<td>Reducing soil degradation</td>
<td>Soil formation, composition and fixing processes</td>
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<td><strong>Water Availability</strong></td>
<td>Achieving (or maintaining) a regular supply of water (i.e. avoidance of water scarcity)</td>
<td>Water Availability</td>
<td>Hydrological cycle and water flow maintenance</td>
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<tr>
<td><strong>Flood protection</strong></td>
<td>Achieving (or maintaining) minimisation of impacts of potential floods</td>
<td>Resilience to flooding</td>
<td>Liquid flows: Flood protection</td>
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<tr>
<td><strong>Rural Vitality</strong></td>
<td>Achieving (or maintaining) active and socially resilient rural communities</td>
<td>Vibrant rural communities</td>
<td>Public and private health and wellbeing</td>
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<tr>
<td>PEGASUS terminology</td>
<td>Description</td>
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<td>------------------------------------------------</td>
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| Collective action (collective initiatives)      | Marshall (1998): “the action taken by a group (either directly or on its behalf through an organization) in pursuit of members’ perceived shared interests”  
  In PEGASUS, used to refer to multi-actor, joined up action. These may take different forms, e.g.:  
  - Bottom up, community-led initiatives;  
  - Coordinated actions between practitioners and e.g. local authorities;  
  - Private sector-led, multi-actor initiatives |
| ESBOs                                           | Environmentally and Socially Beneficial Outcomes – a working definition used in PEGASUS to bridge the PG and ESS concepts                                                                                                                                                                                                                   |
| Participatory, action oriented methodology      | Method that relies on the genuine engagement of practitioners and local actors over a substantial period of time                                                                                                                                                                                                                       |
| Mapping                                         | Exploring linkages between management systems and the provision of PG/ESS                                                                                                                                                                                                                                                                |
| Private actors                                  | Private companies that may play a key role in an initiative, rather than “private” beneficiaries                                                                                                                                                                                                                                       |
To find out more....

Welcome to PEGASUS

PEGASUS is a European research project aiming to develop innovative approaches and new ways of thinking about the way farmland and forests are managed in order to stimulate a long-lasting improvement in the provision of public goods and ecosystem services from agricultural and forest land in the EU.

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