Looking for an enabling environment to foster soil carbon sequestration

Project background

The adoption rate of new practices contributing to the 4 per 1000 objectives and their duration of implementation are critical for its impacts at global scale. We organized participatory multi-stakeholders workshops to contribute to a better understanding of what could be an enabling environment in the context of the 4 per 1000 Initiative. To address diversity of agro-environmental and socio-economic conditions, we gathered stakeholders from contrasted sites in Europe and Africa.

- Objectives
  1. Identifying constraints to the adoption of 4 per 1000 innovations
  2. Identifying actions to alleviate these constraints

- Methodology
  Participation of 48 farmers, agricultural organizations and agricultural schools, agro-industries, administrations, NGOs, donors and research organizations
  • Multi-stakeholders workshop in France
    Four case studies:
    1. Polyculture - cattle breeding
    2. Cattle breeding
    3. Field crops (wheat, barley, rape seed)
    4. Vineyard
  • Multi-stakeholders workshop in Senegal
    Four case studies:
    1. Peri-urban agriculture
    2. Irrigated agriculture
    3. Agroforestry
    4. Rainfed agriculture - livestock

- Results

Outcomes

• Most barriers relate to the enabling environment and not to technical issues
• Holistic approach, based on Agricultural Innovation System, necessary to foster soil carbon sequestration
• Development of integrated landscape approach identified as a way forward for both Europe and Africa

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