

The Impact of Environmental Agreements on the CAP

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The Convention on Biological Diversity (CBD) and the Kyoto Protocol are two significant pieces of international environmental legislation for Europe's agriculture sector.

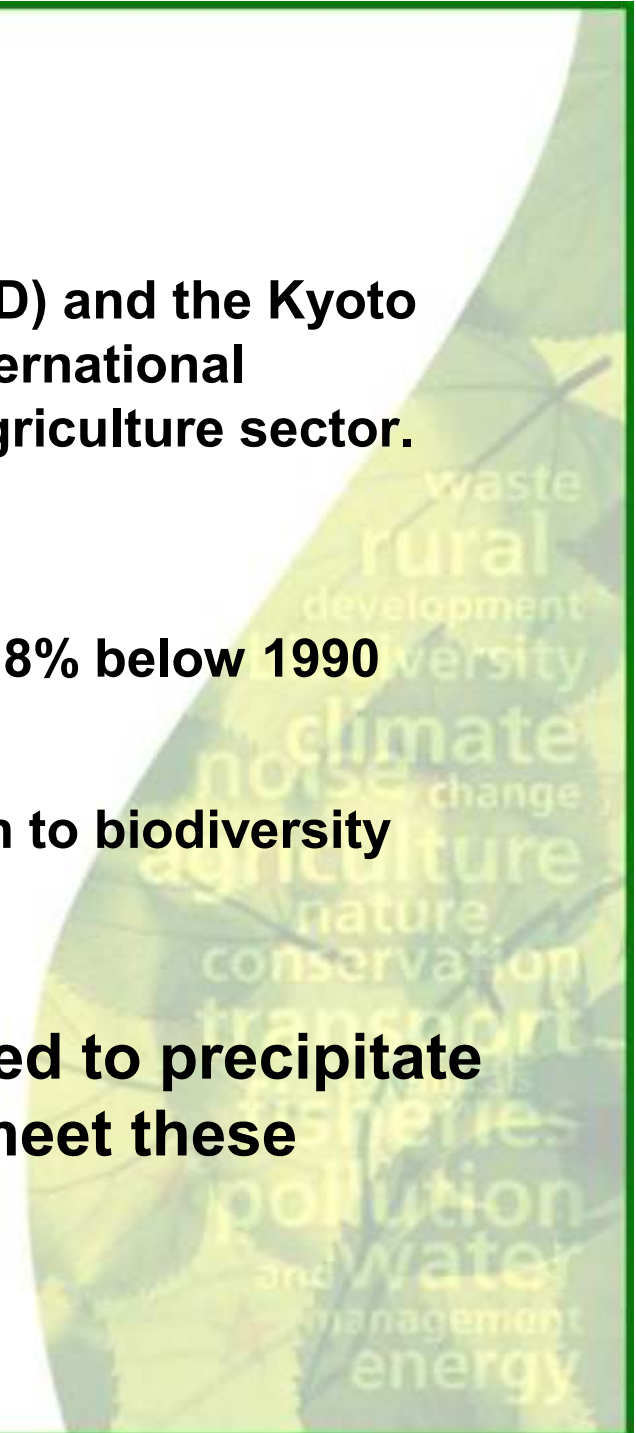
EU Obligations / Objectives:

- **To halt biodiversity loss by 2010**
- **To reduce GHG emissions to an average 8% below 1990 levels by 2012**

Agricultural practices have contributed both to biodiversity loss and to GHG emissions.

Central research question:

In what ways can the CAP be modified to precipitate the adaptations needed to meet these obligations?

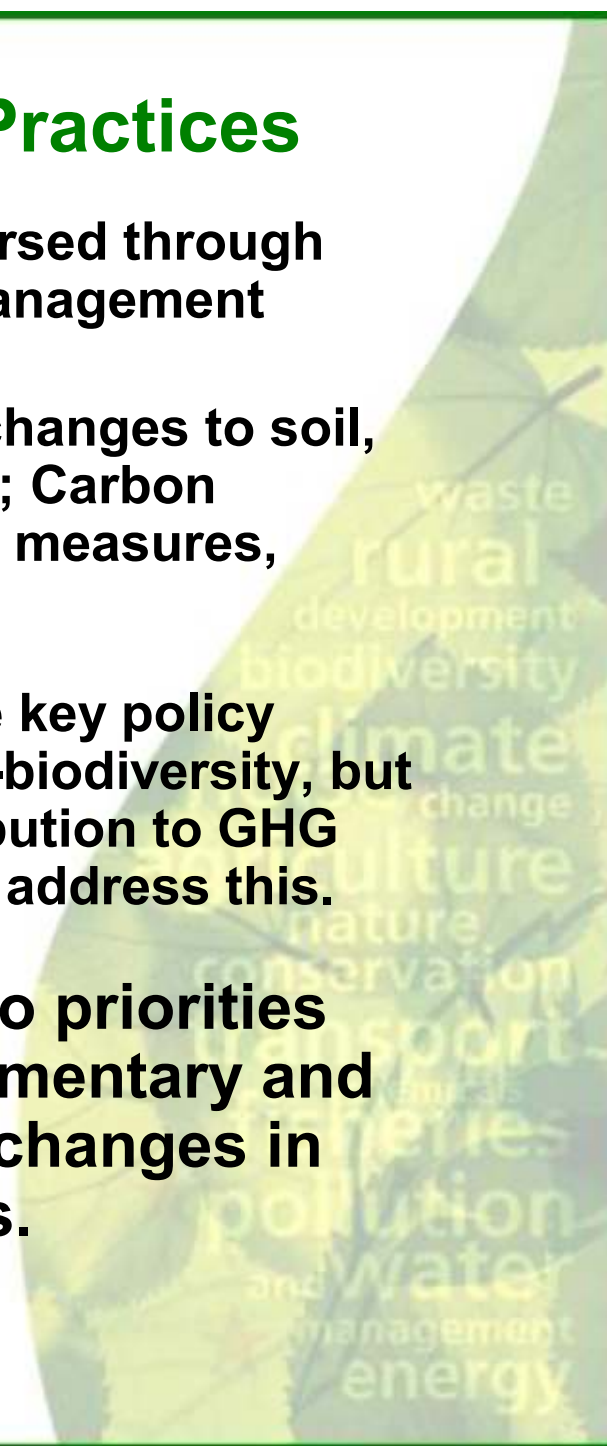


Adaptation of Agricultural Practices

- Negative biodiversity impacts can be reversed through changes to production techniques and management practices.
- GHG emissions can be reduced through changes to soil, water, manure and livestock management; Carbon sequestration; and fossil fuel substitution measures, including biofuels production.

Agri-Environmental schemes are seen as the key policy instrument to maintain and enhance agro-biodiversity, but little attention paid to agriculture's contribution to GHG emissions and the instruments needed to address this.

MEACAP aims to examine the two priorities together, and to identify complementary and integrated measures to effect changes in agricultural practices.



Research Objectives & Approach

1. To clarify how agriculture could contribute to meeting obligations under the Kyoto Protocol and the CBD relative to other land uses and sectors, especially forestry.
 1. Review existing Legislation and implications for Agriculture sector of Kyoto Protocol
 2. Analysis of the most appropriate adaptations and innovations in the agriculture sector needed to meet requirements. Afforestation and forestry management issues also considered
 3. Assessment of the extent to which changes at the farm level and upwards require alterations in policy, both at national and EU levels.
2. To develop and disseminate an integrated Strategy for implementation of the two agreements, including concrete policy recommendations applicable at a European level.



A Measures-Led Approach

1. Technical measures for implementing the Kyoto Protocol in the agriculture sector;
2. Forestry-related measures for implementing the Kyoto Protocol;
3. Measures for improving the biodiversity impacts of agriculture.

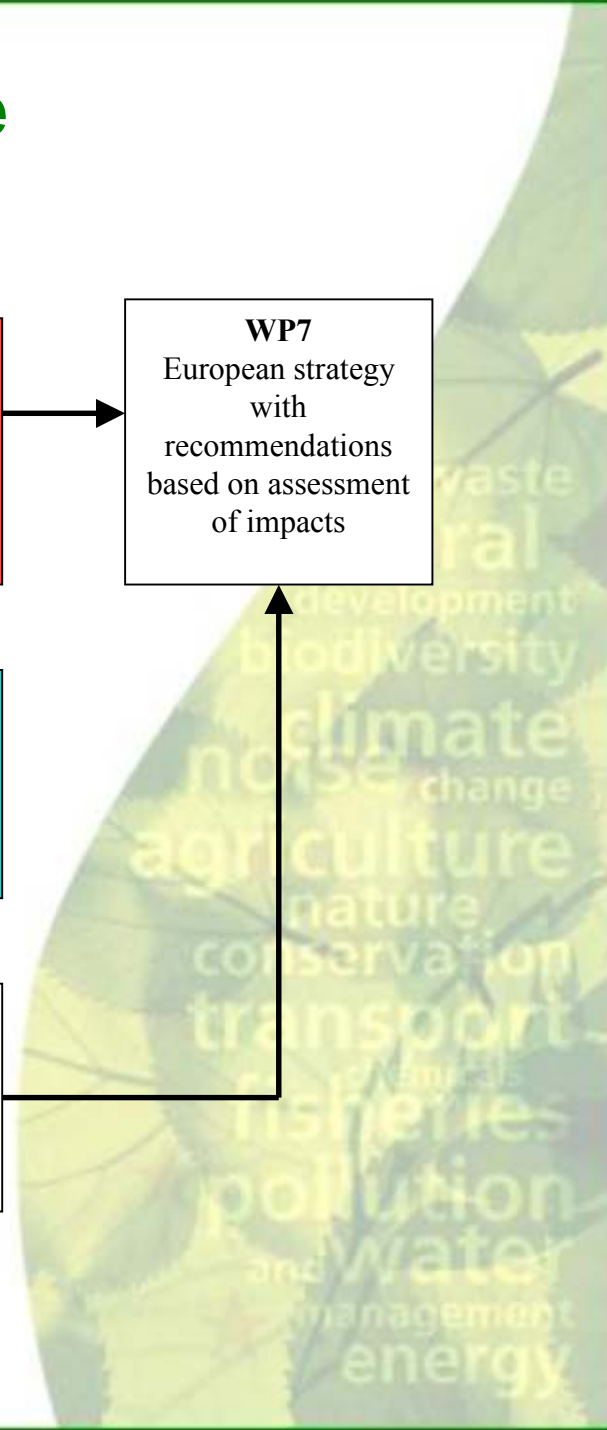
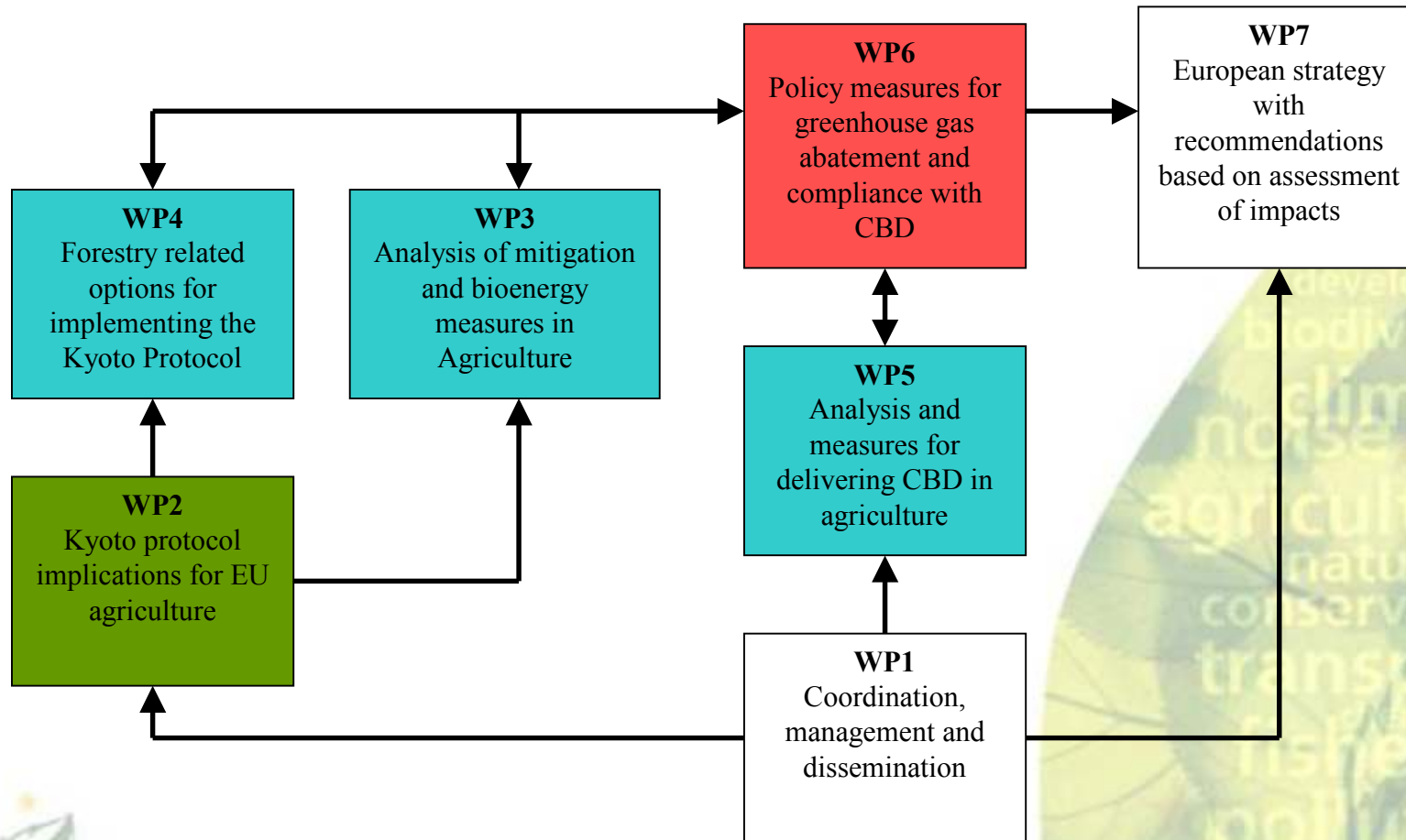
Standard Approach Followed:

- Generation of Measures
- Screening according to consistent criteria
- Focused list for modelling

Modelling: Ex-ante assessment of impact of measures with subsequent refinement



Research Structure



Workshop Programme

1. Analysis of mitigation and bioenergy measures in agriculture
2. The European forest sector. Potentials for Kyoto and for the atmosphere
3. Analysis and measures for delivering CBD commitments in agriculture
4. Economic analysis of measures addressing GHG emissions. A literature survey

Lunch

5. Quantitative analysis of policy options for GHG abatement and biodiversity in agriculture
6. MEACAP and the European policy agenda

Discussion

