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**KASSA Steering Committee Meeting,
Paris 2 June 2005**

Unit strategy and project clustering on sustainable development issues in DG RTD

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**Dir I-1 Policy aspects of research and sustainable
development unit**

(*Currently Dir I-2, Environmental technology and pollution
prevention)

SUSTAINABLE DEVELOPMENT, GLOBAL CHANGE AND ECOSYSTEMS
Slide 1



Priority 6.3 Global Change and Ecosystems

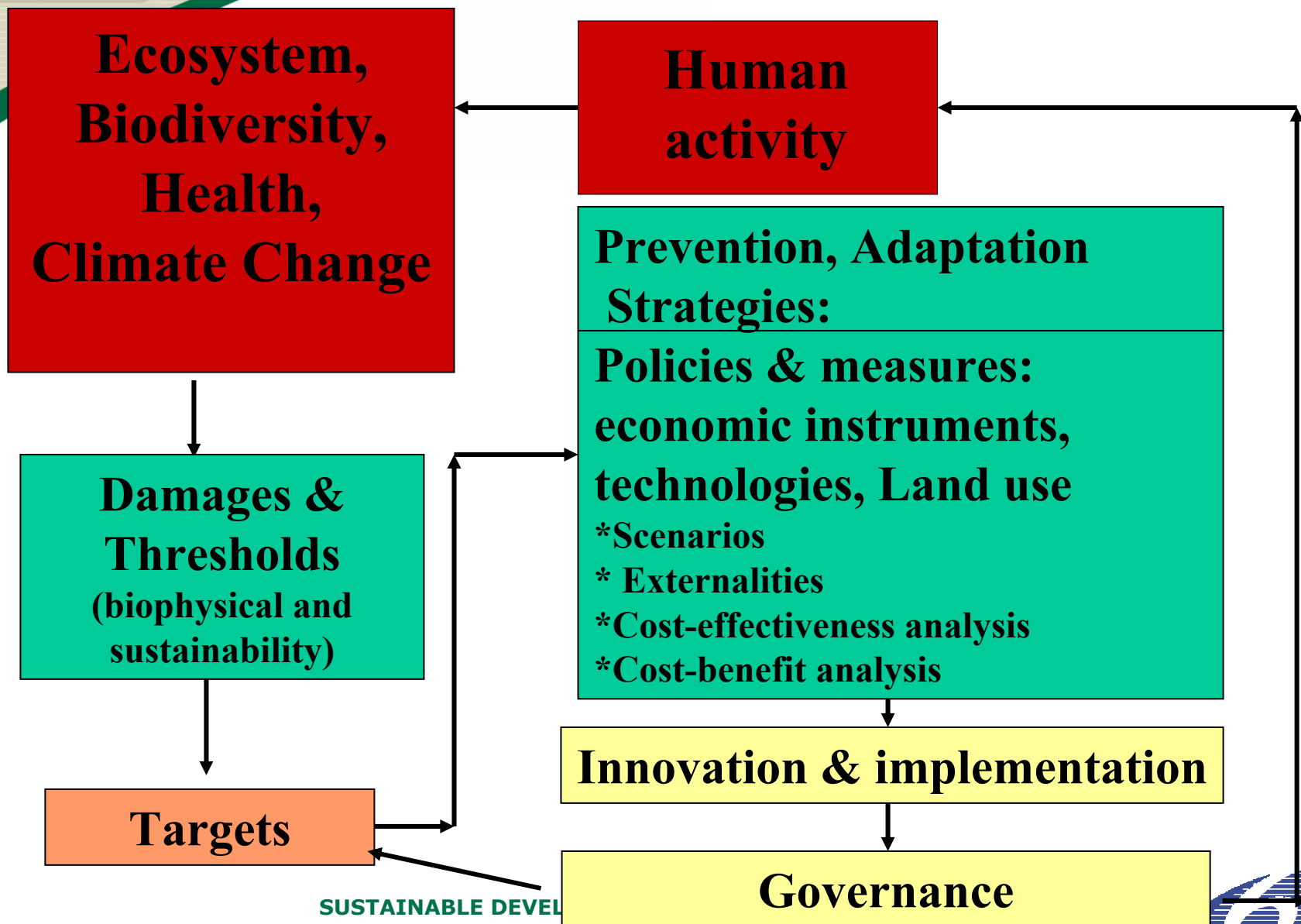
- The research undertaken under “Global change and Ecosystems” has to be considered as a **major support** to the **European Union (EU) Strategy for Sustainable Development** which has been emphasised at the **Göteborg** European Council in 2001 and enlarged to an international scale in the **Johannesburg Summit** on Sustainable Development in 2002. The programme of activities carried out by the Sub-Priority 6.3 "Global Change and Ecosystems" is strengthening the necessary scientific basis, **including socio-economic assessments and tools and management practices**, for the future orientation of the Sustainable Development Strategy and of the Sixth Environment Action Programme.



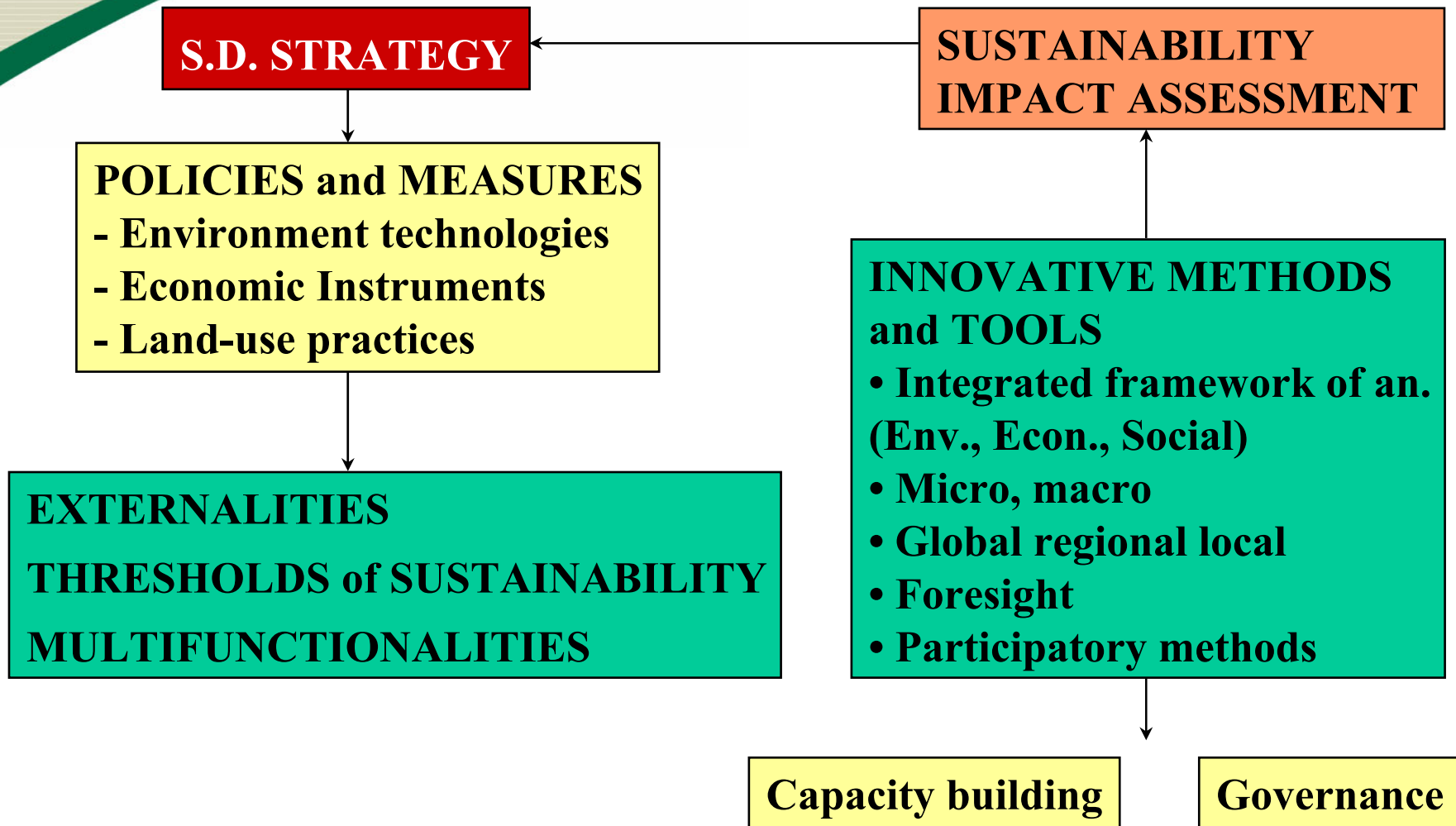
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Structuring the Sustainable Development strategy



TOOLS FOR SUSTAINABLE DEVELOPMENT ANALYSIS



“Sustainability Impact Assessment”

- * A major “grip” for the EU Sustainable Development Strategy
- * Applied at the beginning of the policy definition, specially to all major policies. 43 policies was subject of SIA in 2003 !
- * “Member States should carry out impact assessments where they use the right of initiative for new legislation. They should also be encouraged to define standards for consultation and impact assessment”
- * A driving force for the Sustainability research

Topic V. Strategies for sustainable land management, including coastal zones, agricultural land and forests

- *The **objective*** is to contribute to the **development of strategies and tools for the sustainable use of land**, with emphasis on the coastal zones, agricultural land and forests, including integrated concepts for the multipurpose utilisation of agricultural and forest resources, and the integrated forestry/wood chain in order to ensure sustainable development at economic, social, and at environmental levels. Qualitative and quantitative aspects of the multifunctionality of agriculture and forestry will be addressed.
- Two parts will be addressed in this area, the first one dedicated to **sustainable land-use** and the second one addressing the qualitative and quantitative aspects of the **multifunctionality of the agriculture and forest/wood chain**.

Topic V. Strategies for sustainable land management, including coastal zones, agricultural land and forests (Global-1)

- V.2.2.a) Development and application of integrated approach and tools for long-term sustainability of **forest** status and productivity (NI): -
- Specific Support Actions
 - ↳ Capitalisation of results from the past research on **sustainable agriculture** and perspectives for future research actions. Contribution of the agro-ecological systems to the different land uses. Comparison of existing externalities calculation in agricultural and forest production: **Multagri, KASSA, AGRIDEMA**

Multagri (SSA)

- **Title:** Capitalisation of research results on the multifunctionality of agriculture and rural areas
- **Project summary:** The aim of this proposal is to provide a complete overview of the research that has been done, particularly in Europe, in the different aspects related to multifunctionality of agriculture. The essential approach adopted in this initiative is founded on the premise that for agriculture to be sustainable its multifunctional dimension must be acknowledged and promoted. Issues such as equitable regional development, food security and safety, natural resource conservation, rural income generation and global sustainability -explicitly revealed in the Strategy for Sustainable Development as key concerns-, are covered by the concept of Multifunctionality of agriculture, and therefore, make part of the analysis of the state-of-the-art of the project.
- **EC Funding:** 0.9 mill EURO
- **Number of partners:** 29
- **Coordinator:** Dominique Cairol, Agricultural and environmental engineering research, FR

AGRIDEMA (SSA)

- **Title:** Introducing tools for agricultural decision-making under climate change conditions by connecting users and tool-providers
- **Project summary:** To establish connections and feedback mechanisms between high level research centres of Europe; where modelling tools have been developed and tested (“developers”); with their potential users from local agricultural decision-making (“users”). It will be done through initial contacts, short courses and pilot primary assessments. The local researchers to be initially supported by the SSA should be those located in the EU and EU-associated countries where global-change and weather extreme-events could bring the most negative consequences, i.e. those from Southern, Central and Eastern Europe, as well as the non-European Mediterranean countries.
- **EC Funding:** 0.23 mill EURO
- **Number of partners:** 3
- **Coordinator:** Angel Utset, Instituto Tecnológico Agrario de Castilla y León, ES

KASSA (SSA)

- **Title:** Knowledge Assessment and Sharing on Sustainable Agriculture
- **Project summary:** KASSA is aimed at building up a comprehensive knowledge base on sustainable agricultural practices, approaches and systems in support of European stakeholders: farmers and professionals, researchers and policymakers at local, regional, national, European and global levels. .
- **EC Funding:** 0.75 mill EURO
- **Number of partners:** 30
- **Coordinator:** Francis Forest, CIRAD, FR

Topic V. Strategies for sustainable land management, including coastal zones, agricultural land and forests (Global-2)

- V.1.1.a) Enhanced impact assessment and management tools for **sustainable land-use** with a multifunctional approach (NI): **SENSOR**
- V.2.1.a) Farming system management and multifunctional use of **agriculture and agro-forestry** to implement the Sustainable Development Strategy (NI): **SEAMLESS**

SENSOR (IP)

(Land Management)

- **Title:** Sustainability Impact Assessment: Tools for Environmental, Social and Economic Effects of Multifunctional Land Use in European Regions
- **Project summary:** The objective of SENSOR is to build, validate and implement sustainability impact assessment tools (SIAT), including databases and spatial reference frameworks for the analysis of land and human resources in the context of agricultural, regional and environmental policies. The scientific challenge is to establish relationships between different environmental and socio-economic processes as characterised by indicators considered to be quantitative measures of sustainability
- **EC Funding:** 9.3 mill EUROS
- **Number of partners:** 33
- **Coordinator:** Hubert Wiggering, Leibniz-Centre for Agricultural Landscape and Land Use Research, DE



SEAMLESS (IP)

(Land Management)

- **Title:** System for Environmental and Agricultural Modelling; Linking European Science and Society
- **Project summary:** The project will develop an integrated framework (SEAMLESS-IF) which integrates approaches from economic, environmental and social sciences to enable assessment of the impact of policy and behavioural changes and innovations in agriculture and agroforestry. Contributions of agriculture to sustainable development and multifunctionality will be assessed at different spatial scales from farm to global, allowing consideration of both top-down and bottom-up approaches to land management change
- **EC Funding:** 11.5 mill EUROS
- **Number of partners:** 31
- **Coordinator:** Martin van Ittersum, Wageningen University, NL





Topic V. Strategies for sustainable land management, including coastal zones, agricultural land and forests (Global-3)

- **V.1.1.1 Education and Training.** Learning methods and tools for sustainability impact assessment and policy analysis **relative to land use**, in particular agriculture, forest, coastal zones and urban areas, stressing the role of information, innovation and communication technologies, and addressing industrials, local and regional institutions and academic needs (TI): **e-ForCy, ATLAS**
- **V.1.2.1 Integrated Coastal Zone Management (ICZM)** (NI): -
- **V.1.2.2 Present state of knowledge relevant to ICZM** (TI): **ENCORA**
- **V.2.1.1 Development and application of integrated approach and tools for sustainability of forest status, management and production** (NI): **EFORWOOD**



Topic VIII. Cross-cutting issue: Sustainable Development concepts and tools

- *The **objective*** is to develop **concepts and tools** for facing the complex challenges expressed in the **EU Strategy on Sustainable Development** and the Johannesburg Summit and to characterise the sustainability dimension of the relevant policies. The precautionary principle and the regional aspects to sustainable development will be key elements to be taken into account. Development of tools related to the modelisation of environmental technologies and their characteristics is part of the development of the broader “Sustainability Impact Assessment” capacities.

Topic VIII. Cross-cutting issue: Sustainable Development concepts and tools (Global-1)

- VIII.1.a) Harmonising and sharing of methods and data in environmental and health **externalities** (TI): **METHODEX**
- VIII.2.a) High level scientific **validation** of **methodologies, tools and appraisals** developed for the Sustainable Development assessment (TI): **SustainabilityA-test**
- VIII.2.b) **Indicators** (TI): **Insure**

Topic VIII. Cross-cutting issue: Sustainable Development concepts and tools (Global-2)

- VIII.1.b) **Thresholds** of sustainability (NI): **THRESHOLDS**
- VIII.1.c) **Externalities** (NI): -
- VIII.2.c) Innovative methods and tools for **Integrated Sustainability Assessment** (NI): **MATISSE**
- VIII.2.e) **Educational programmes** on social and economic and environmental tools for the implementation of the EU Strategy on Sustainable Development at both EU and international levels (addressed in particular to stakeholders and decision-makers). (TI): **NaturNet-Redime**



Topic VIII. Cross-cutting issue: Sustainable Development concepts and tools (Global-3)

- VIII.1. Testing networks for **environmental technologies** (TI): **PROMOTE, TESTNET**



