

## Summary of NEEDS project objectives and workplan

## NEEDS: an Integrated Project of FP6

- Duration: 48 months, starting September 2004
- 66 partners (15% are SMEs), representing Universities, Research Institutions, Industry and NGOs from 27 Countries (19 EU members, 3 MED, 5 'Other')
- Gender balance  $\approx$  70/30
- Leading partners:
  - ISIS (IT) – Coordinator
  - DLR (DE)
  - IER Stuttgart (DE)
  - OME (FR)
  - Uni Prague (CZ)
  - CNR-IMAA (IT)
  - PSI (CH)
  - ECO (NO)
  - ISI-FRAUNHOFER (DE)
- 1118 p.m; 11.7 MEuro (7.6 MEuro financed by EC)

## Overall objective

*To evaluate the full costs and benefits (i.e. direct + external) of energy policies and of future energy systems for the enlarged EU as a whole*



## Objectives and targeted innovation

- Life Cycle Assessment (LCA) of **new energy technologies** for which the current LCA knowledge is insufficient
- Monetary valuation of externalities associated to energy production, transport, conversion and use, with major **innovation** in :
  - **methods**
  - **impacts** so far insufficiently addressed
  - availability and reliability of **quantitative evidence**
- Development of a consistent and robust **analytical platform** allowing to integrate the full range of information and data on LCA and external costs into a **Pan-European modelling framework (TIMES)**



## Objectives and targeted innovation (2)

- Acceptability and stakeholders perspective (Policy Advisory Group has been established)
  - terms and conditions for an effective formulation and implementation of **long term strategies based on the internalisation of external costs**
  - **robustness of the research results** under various stakeholder perspectives
- Transferability and generalisation
  - Dissemination



## Workplan outline



