



## Current and Future Research Projects

### **Running:**

**ExternE-Pol: Extension of accounting framework and Policy Applications**

**METHODEX: Methods and Data on Environmental and Health externalities: harmonising and sharing of operational estimates**

**HEATCO: Developing Harmonised European Approaches for Transport Costing and Project Assessment**

### **Negotiated:**

**MAXIMA: Dissemination of external costs of electricity supply - Making electricity external costs known to policy-makers**

**NEEDS: New Energy Externalities Developments for Sustainability**

**+ preparation of further IP proposals**



## Future Developments

### **1) Improvements of the methodology:**

- Survey on monetary valuation of mortality risks (NEEDS, New Prop),
- Survey on valuation of noise (HEATCO),
- Use of QUALY's for morbidity evaluation (NEEDS),
- Atmospheric transport and chemical transformation (NEEDS)
- Transport through soil and water (NEEDS)
- Integration of effects involving thresholds (New Prop)
- Characterisation of uncertainties (NEEDS, New Prop)
- Climate change: damage and avoidance costs (NEEDS)
- Transferability (NEEDS, New Prop)



## Future Developments

### 2) Extensions of the methodology, new impact pathways:

- External costs and benefits of agriculture (METHODEX, New Prop) and forestry (New Prop)
- Combination with multicriteria analysis (ExternE-Pol, NEEDS)
- Security of energy supply (ExternE-Pol)
- Extraction and transport of energy carriers (NEEDS)
- Toxic, persistent substances (METHODEX, NEEDS)
- Heavy metals (ESPROME)
- Waste management and disposal (METHODEX, new Prop)
- Biodiversity loss, quality of ecosystems (NEEDS)
- Impacts of tourism (New Prop)



## Future Developments

### **3) Applications:**

- **New energy technologies (ExternE-Pol, NEEDS),**
- **East European and Mediterranean countries (ExternE-Pol, NEEDS),**
- **Averaged marginal external costs (NEEDS)**
- **Cost Benefit analysis for the CAFE process (CAFE-CBA)**

### **4) Consensus building:**

**Discussion of method with stakeholders; Guidelines;  
Dissemination of results (MAXIMA, HEATCO, NEEDS)**



## **Current and Future Projects**

**ExternE-Pol: energy supply security; combination with multicriteria analysis; validation using expert surveys; external costs of new energy technologies; implementation of method in Eastern Europe.**

**DIEM: Specialist workshops for exposure-response-relationships and monetary valuation; User and stakeholder workshops.**

**MAXIMA: Discussion of method with stakeholders; symposium to disseminate results;**



## **Current and Future Projects**

### **NEEDS:**

**New and improved impact pathways (emissions to soil and water, toxic substances, hemispheric, regional and local atmospheric transport)**

**New impacts (biodiversity, nature)**

**Survey to improve the monetary assessment of mortality and morbidity risks**

**Application; marginal and averaged marginal external costs.**

**Externalities of extraction and transport of energy carriers**

**Extension to East European and Mediterranean countries**



## **Current and Future Projects**

### **METHODEX:**

**Agriculture: external costs and benefits**

**Industry: Toxic, persistent substances**

**Waste management and disposal**

**HEATCO: guidelines for assessment of EU transport policies and transport,**

**Survey for valuation of noise**