



**Overview of present activities  
of Climate, Energy &  
Atmosphere programme**

**Tiit Kallaste**

**EC 6th FP project  
COFITECK**

Seminar in National Library, 18. September 2008.

Tallinn

**Staff**

- **Tiit Kallaste, PhD, Senior Res., Programme Director.**
- **Anton Laur, PhD, Senior Researcher, Project Leader**
- **Enn Kareda, PhD, Senior Researcher, Project Leader**
- **Anne Menert, PhD, Senior Researcher, Project Leader**
- **Veljo Kimmel, PhD, Senior Researcher, Project Leader**
- **Maarja Orasson, Junior Researcher, Project Assistant**





## **FIELDS OF ACTIVITIES (I)**

### **First cluster: CLIMATE CHANGE**

- **UN FCCC and its' Kyoto Protocol implementation in Estonia**
- **Climate Change Mitigation oriented EU Directives & Regulations implementation – 2003/87/EC, 2004/101/EC**
- **Kyoto flexible mechanisms:**
  - **Joint Implementation (JI)**
  - **EU Emissions Trading**
- **JI projects consulting (PDD, PIN, LoA, LoE) and JI networking in Baltic Sea region countries – BASREC**



## **FIELDS OF ACTIVITIES (II)**

### **First cluster: CLIMATE CHANGE**

- **Estonia's National Allocation Plans of GHG Allowances trading for EU ETS, 2005-2007 and Kyoto First Commitment period trading, 2008-2012**
- **Capacity building in UN FCCC, Kyoto Protocol and EU ETS in Baltic States**





## **FIELDS OF ACTIVITIES (III)**

### **Second cluster: RENEWABLE ENERGY**

- **Renewable energy sources, RES -wind, biomass**
- **Alternative sources of energy – hydrogen & nuclear energy**
  - **Wastewater treatment, hydrogen yield studies**
  - **Nuclear energy prospectives**
- **Drafting legislative acts**
- **Consulting RES-E sector's project developers**
- **Capacity building in RES and in RES-E**



## **FIELDS OF ACTIVITIES (IV)**

### **Third cluster: ENERGY SECTOR**

- **Methodology for estimating external costs in Estonia.**
- **Calculating external costs with EcoSenseWeb (ESW) software**
- **Internalisation of external costs in Estonian energy sector**
- **Economic and administrative instruments for pollution control**
- **EIA for energy sector strategy plans evaluation, ENMAK-2020**
- **Energy saving and conservation, energy efficiency**
- **Introduction of behavioural changes at demand side programmes (DSM)**





## **INTERNATIONAL CO-OPERATION PARTNERS AT PRESENT**

- 1. European Commission. 4 projects currently in work.  
IEE, DG TREN, DG RESEARCH, DG ENVIRONMENT**
- 2. OECD Environmental Directorate, UN FCCC ANNEX I  
Expert Group**
- 3. NEFCO Joint Implementation Testing Ground Facility (JI  
TGF)**
- 4. Finnish Environment Institute, SYKE. FINNDER**
- 5. University of Uppsala**



## **INTERNATIONAL CO-OPERATION PARTNERS (II)**

- 6. Ecofys Polska**
- 7. Finnish National Consumer Research Centre**
- 8. Latvian Green Movement**
- 9. Nordic Council of Ministries**
- 10. B.&S.U. (Beratungs- und Service-Gesellschaft  
Umwelt mbH)**
- 11. Nordic Energy Fund**





## European Commission projects

- **COFITECK**. EC 6<sup>th</sup> FP project, co-ordinated by Ecofys Polska, Poland
- **NEEDS**. EC 6<sup>th</sup> FP project, RS 1D, co-ordinated by Charles University, Czech Republic
- **CHANGE BEHAVIOUR**. EC 7<sup>th</sup> FP project, co-ordinated by National Consumer Research Institute, Finland
- **ENERGY TROPHY+**. EC IEE Programme, co-ordinated by B.&S.U., Germany



## FUTURE TRENDS

- Further development of research in RES & RES-E in post-Kyoto context
- Development of tools and methodologies for calculations of external costs
- Co-firing of biomass
- Climate Change Mitigation and Air Pollution & Quality issues
- Environmental Policy studies and implementations





**SEI**