



## Your contact person:

### Knut Sander



- Born 28. Aug. 1960 in Dortmund
- 1981-87: Study of geography, religious sciences and pedagogics
- 1987-89: Traineeship
- 1989: 2. State examination for lectureship
- 1989-90: Educational training as consultant for waste management in Hannover
- Since 1990 employee and since 1993 associate of Okopol.

The employment relationship is suspended from end of May to the beginning of December

# PORTRAIT

## Main focus of work:

### **Regional and global flows of material:**

Development and implementation of concepts for the optimisation of regional and global material flows, analysis and evaluation of material flows.

### **Healthy and environmentally sound product:**

Substitution of hazardous substances, LCAs and evaluation.

### **Integrated pollution prevention and control:**

Evaluation of different disposal options, evaluation of "state-of-the-art", environmental impact assessment.

## **Knut Sander**

### **Regional and global flows of material:**

Implementation of the WEEE-Guideline - Monitoring of the re-use, recycling and recovery targets of the WEEE (Ministry of Environment Lower Saxony, 2006)

CEN working group TC249: Recycled Plastics (ECOS, 2006)

Review of the European Waste List (Ministry of Environment Austria, 2005, 2006)

Waste Oil - Material flow analysis and economic analysis (Federal EPA, 2004 - 2005)

Determination of "Recovery Efficiency Factors" (REF) for the recovery of electric and electronic scrap (Federal EPA, 2003 - 2004)

Design for environment and recovery related requirements for photovoltaic products (Federal EPA, 2002-2003)

CEN working group TC343: Solid Recovered Fuels (ECOS, since 2005)

Definition of waste recovery and disposal options (European Commission, DG Environment, 2002)

Detailed Rules on Compliance with Directive 2000/53/EC, (European Commission, DG Environment, 2002)

" Heavy metals in vehicles 1 and 2, (European Commission, DG Environment, 2002).

### **Healthy and environmentally sound products:**

Developing and optimising life cycle management approaches for photovoltaic products (N.N., since 2006)

Development of a sustainable recycling management for photovoltaic products, (N.N. since 2005)

Monitoring of CO<sub>2</sub>-Emissions from vehicles (Service Contract European Commission DG Env., 2004 - 2007)

Hazardous substances in vehicles (Ministry of Environment Belgium, 2004)

Extended producers' responsibility in the field of electric and electronic goods - Working Group of the Ministry of Environment Lower Saxony (since 1999)

Sustainable Design of IT-Products (Ministry of Environment Schleswig-Holstein, 2001).

### **Integrated pollution prevention and control:**

Implementation of emission reduction requirements in the Cement Industry (NO<sub>x</sub>, Dust) (Federal EPA, 2006)

Technical working groups on Best Available Technique (Iron and Steel/Non Ferrous Metal Industry, Ferrous Metal Processing, Cement and Lime Industry (EEB European Environmental Bureau, 1999-2006)

Sustainable Metal Economy (BMBF, Germany, 2004)

Evaluation of reference intervals for emissions for the determination of BAT (Ministry of Environment Austria, 2002).