

# Results of the Workshop "Dialogue on Evaluation of Synthetic Nanoparticles in Work and Environmental Areas"

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OECD Workshop on the Safety of Manufactured  
Nanomaterials, Washington D.C., USA  
7th-9th December 2005



# Organizers

- Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
- Federal Environmental Agency
- Federal Institute for Occupational Safety and Health



# Main Objectives

- Initiate a dialogue among different stakeholders
- Pool knowledge of opportunities and risks for health and environment
- Specify the need for research, action and coordination



# Agenda (1)

- 11th October 2005
  - Information, presentations:
    - Synthetic nanoparticles – products of innovative and sustainable technology
    - Effects of nanoparticles on man and the environment
    - Nanoparticles at work places and metrological challenges
    - Risk assessment and risk communication



## Agenda (2)

- 12th October 2005
  - 6 Workshops
  - Panel discussion: Strategies and Dialogue

Further information on the website:  
[www.dialog-nanopartikel.de](http://www.dialog-nanopartikel.de)



# Workshops

1. Environment protection
2. Risk assessment and risk communication
3. Occupational safety and occupational medicine
4. Measurement techniques
5. Potentials for environment
6. Environmental medicine



# Results (WS 1): Environment protection

- Identification of gaps in regulatory frameworks
- Development of specific requirements for nanomaterials
- Identification of points of environmental exposition in the life cycle



# Results (WS 2): Risk assessment

- Risk assessment should consider whole life cycle and
- Focal points of exposition
- Stress uncertainties and ignorance in risk communication



# Results (WS 4): Measurement techniques

- Development of standardized processes/techniques
- Development of strategies for measurement
- Development of personal measuring instruments



# Results (WS 5): Potentials for environment

- Identification of positive environmental effects
  - Record data
  - Life cycle assessment
- Monitoring of products



# Results (WS 6): Environmental medicine

- Agreement and documentation of parameters for tests and analysis (morphology, surface, solubility, dimension etc.)
- Classification of properties
- Definition of hazard classes



# Conclusion

- Clarify need of regulation
- Bring together the state of knowledge annually
- Intensify information of public
- Creation of platform for dialogue
- Establish Steering group

