



# NILU Perspective: Environment and Health

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# NILU activities in E&H area

(from research to knowledge transfer/capacity building)

Environmental monitoring (local, national, international)

Research into atmospheric composition and processes relevant to the DPSIR, including multimedia fate and transport of pollutants

Exposure assessment, also in environmental epidemiology, and environmental toxicology

Capabilities in environmental chemistry including high throughput methods

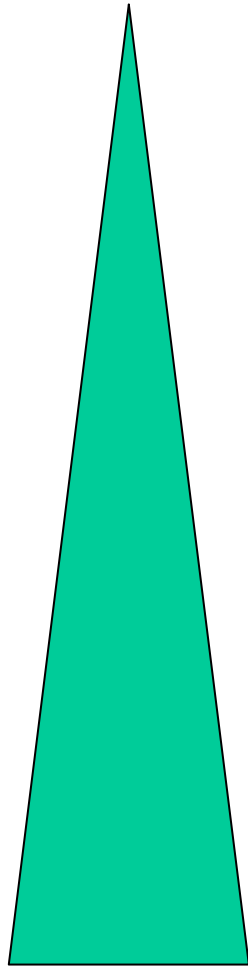


# Research Topics

- Extend information basis for E&H assessments
  - Environmental monitoring for E&H using newly developed technologies (monitoring, biomonitoring)
  - Health surveillance
  - Extreme events (natural, man-made, accidents, intentional)
  - Information capture and coupling
- Exposure assessment
  - Methodologies that would lead to improvement of health impact assessment
  - Newly developed technologies including biomonitoring
  - High-throughput methods in environmental chemistry and toxicology
  - Biomarkers of exposure

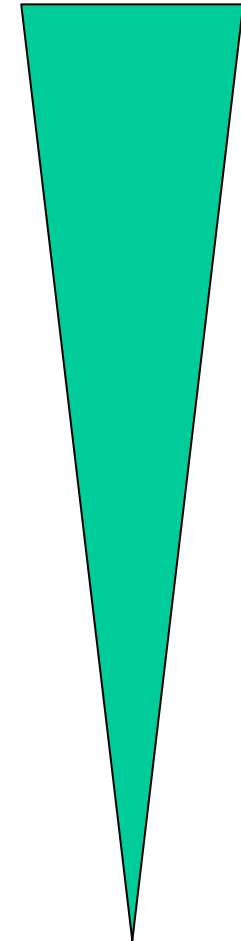
# User Needs

*E&H Research  
tasks*



*Societal  
impact*

- Understand and Inform: make information available (current status, forecast)
- Communicate: in defined circumstances, provide information to users (on demand)
- Empower the Public to make informed health decisions: Allow users to change their individual behaviour.
- Act collectively: Enable authorities to make informed decisions to reduce pollution load and impact.



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# Implementation Modalities

- Smaller projects with focused funding per partner more efficient (STREP)
- Projects with "risky" research with lower immediate societal application
- Networking projects: difficult to establish and run, administrative resources can be a problem
- Third countries: limited experience of partners, but collateral benefit large



*Thank you.*

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