



# Research Perspectives

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# Research project

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- New project 2025-2029
- Exposure assessment
- Biological and Health effects of co-exposure
- Risk perception
- Knowledge transfer, contact with stakeholders

# Exposure assessment

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- Sensors in all research teams
- Deep dive in human exposure in an urban setting
  - Co-exposure to air pollution, noise, ...
  - Creation of typology
  - Accumulation of environmental stressors
  - Sensor data vs modelled databases

# Biological and Health Effects

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- Systematic review on health effects of co-exposure
  - Animal and human studies
  - Non-cancer outcomes : neurodegenerative diseases & longevity
  - Co-exposure : air pollution, chemicals (pesticides)
- Genetic damage linked to co-exposure in an urban setting
  - Biomonitoring data
  - Co-exposure : air pollution, chemicals
- Agricultural settings
  - Expand study of crop growth
  - Field visit of affected farmers

# Risk perception

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- Behavioural model for risk perception and avoidance behavior
- Guidelines for public health messaging
- Risk perception model fitting in an urban setting



# Stakeholder contact

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Continued maintenance and content updates of the BBEMG website

Publishing of regular literature reviews

Feel free to reach out .... [info@bbemg.be](mailto:info@bbemg.be)