

## **ENVIRONMENTAL MANAGEMENT**

- Basic principles of environmental protection and management
- Air pollutants and aerosols of natural and anthropogenic origins – air quality at the local and regional scales
- Air quality and emissions
- Local scale emission inventory development
- Methodologies for air quality assessment
- Methodologies for environmental impact assessment as related to environmental physics
- Strategic environmental impact assessment
- Urban metabolism and urban fluxes
- Cascading simulation models – thermal comfort in the outdoor environment – definition of physical parameters for energy and thermal analysis
- Methodology for adaptation and mitigation plans for climate change (emphasis to the urban environment)
- Environmental indicators
- Geographic Information Systems - principles and applications