



NORMAN Workshop

Emerging Environmental Pollutants: Key Issues and Challenges



EUROPEAN COMMISSION DIRECTORATE-GENERAL Joint Research Centre

JRC Activities Support a Large Number of European Policies

GMES INSPIRE

Technical Coordinator

Kyoto Protocol / Emission Trading **EU Global Development Policies Emissions from Road Transport** Clean Air for Europe (CAFE) Environment and Health Strategy Water Framework Directive (WFD) Nitrates Directive REACH Marine Strategy Integrated Coastal Zone Management Flood Risk Management

Common Agricultural Policy

Soil Thematic Strategy

Scientific Coordination Body

Urban Thematic Strategy

Renewable Energies & Energy Efficiency

Sustainable Use of Natural Resources Strategy

Environmental Technology Action Plan (ETAP)

Waste Framework Directive

Integrated Product Policy

Euratom Treaty



UROPEAN COMMISSION

Major Customer DGs

- DG Environment
- DG Transport and Energy
- DG Agriculture and Rural Development
- DG Health and Consumer Protection
- DG Research
- DG Regional Policy
- DG Eurostat
- DG Enterprise & Industry
- DG External Relations, DG Development &
 DG EuropeAid-Cooperation Office



Co-operation with International Bodies

European Agencies and Organizations:

- EEA
- ESA
- EFSA
- EUMETSAT
- ECMWF
- CEN

Global Organizations:

- UN-ECE
- UNEP
- UNFCCC
- UNCCD
- WHO
- FAO
- WMO
- IAEA
- IEA

Global

- Networks:
- IPCC
- IGBP
- GCOS
- GTOS

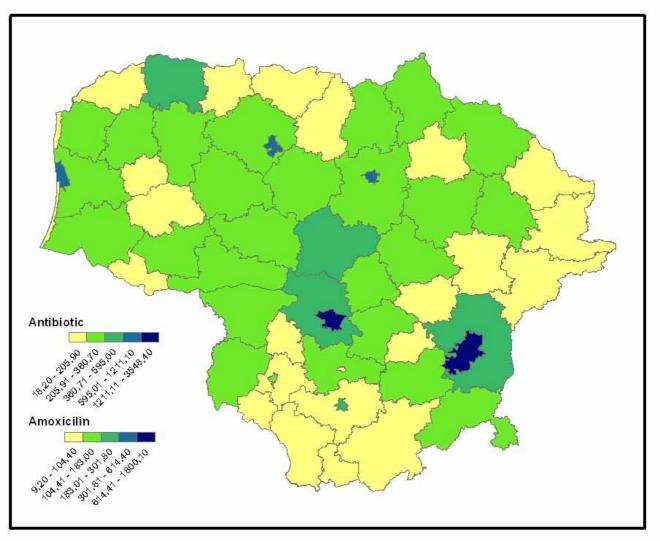


Exploring trade-offs in terms of cost-benefit requires investigators to compare threats posed by multiple contaminants, released to multiple media and to multiple organisms



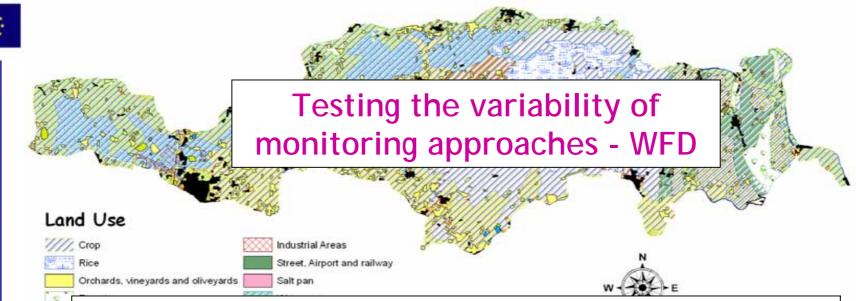


Risk mapping for emission estimates of pharmaceuticals in Lithuania



by Jolita Kruopiene (NOMIRACLE Network)

Joint Research Centre



- Compare different possible monitoring strategies used by Member States and identified in the CMA Guidance Documents
 - Evaluate the effectiveness and cost-benefit of the different monitoring strategies
 - Test experimental details of the various CMA Guidance Documents
 - Collaborative field trials as feasibility phase
 - Reference laboratory network to eliminate interlaboratory variations



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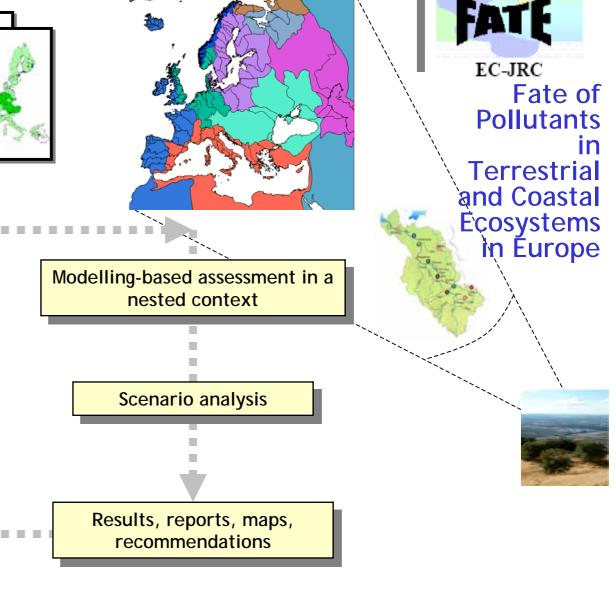
Linking *monitoring* and *modelling* for a multi-scale risk assessment





- Policy Questions arising from a number of environmental Directives, e.g.:
- Water Framework
 Directive, Nitrates,
 Groundwater, Pesticides,
 Sewage Sludge
- Soil Thematic Strategy
- Strategy on Sustainable
 Use of Pesticides
- Dioxin Strategy and Stockholm Convention on POPs

Policy Support





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Population Exposure to Air Pollutants in Europe (People)

An assessment of outdoor, indoor and personal exposure air pollution levels

