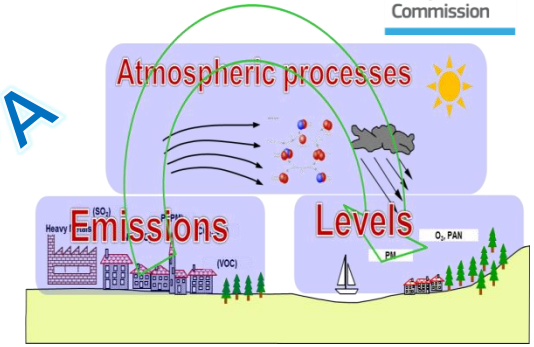
SHERPA and RIAT link

SHERPA and RIAT integrated approach

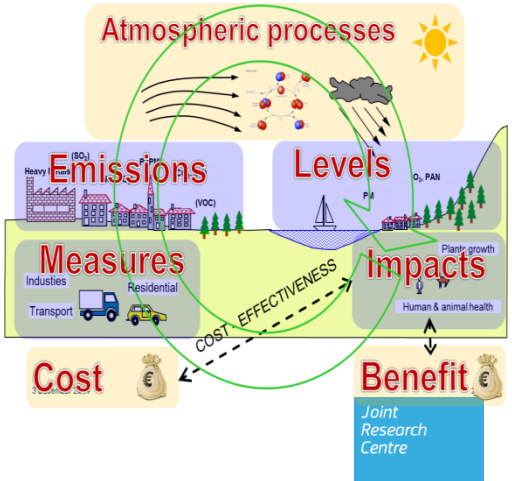
European Commission

SHERPA

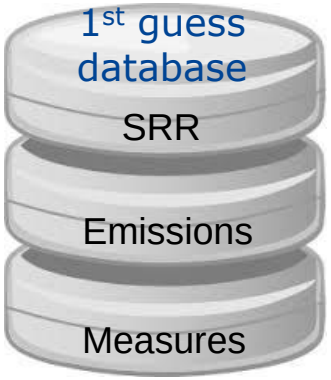


Source allocation
Governance
Scenarios

RIAT

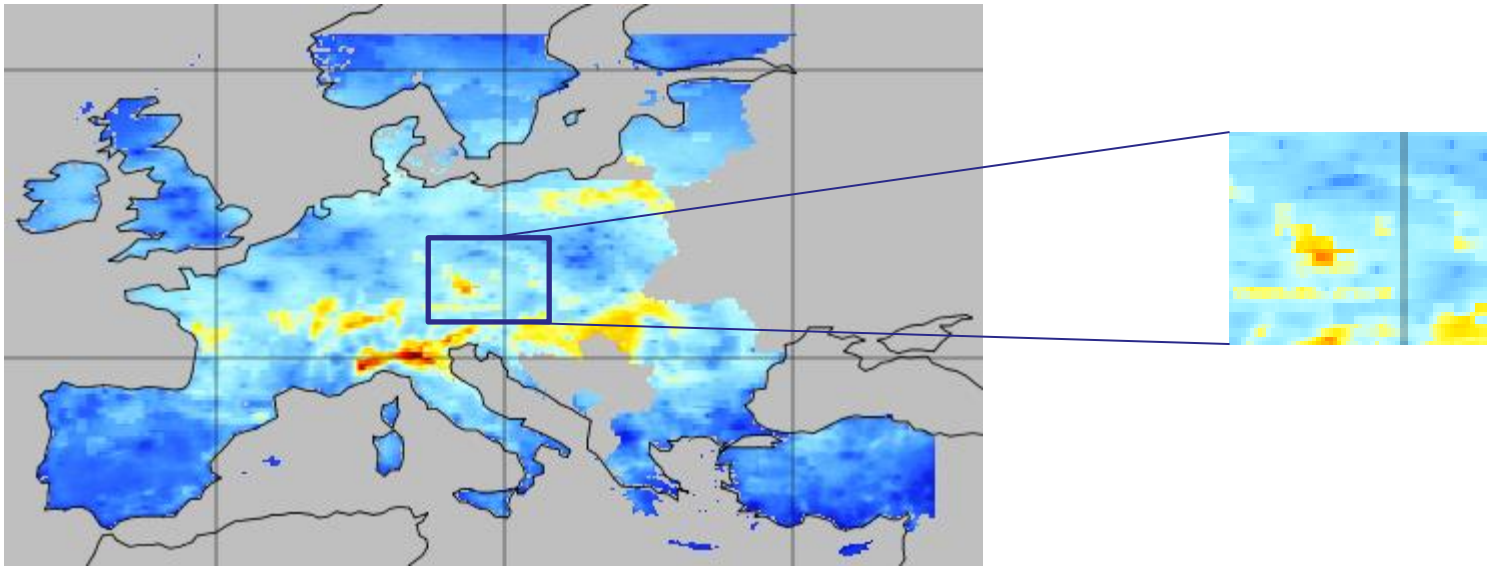


Optimal policies



SRR

SHERPA SRR are cut, to be used in the RIAT+ application

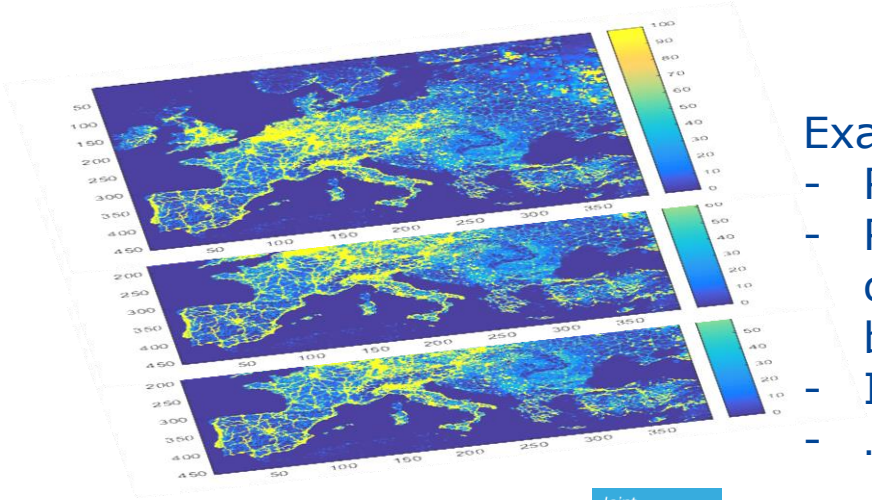


Emissions

Gridded emissions are also windowed for the selected domain:

- Cell based (at roughly 7x7 km resolution)
- Per pollutant
- Per GAINS sector – activity (s-a)

Keeping s-a representing 90% of emissions, for each precursor



Example of layers:

- Road traffic, gasoline
- Residential combusion, wood burning
- Industrial
- …

Joint Research Centre

Technical measures

Gains DB of measures, for country and sector-activities

Information provided:

- Unabated Emission Factors (per precursor) [kt/Unit]
- Removal Efficiency (per precursor) [%]
- Activity Level [Units]
- Application Rate [%]
- Unit Cost [MEuro/act_unit]