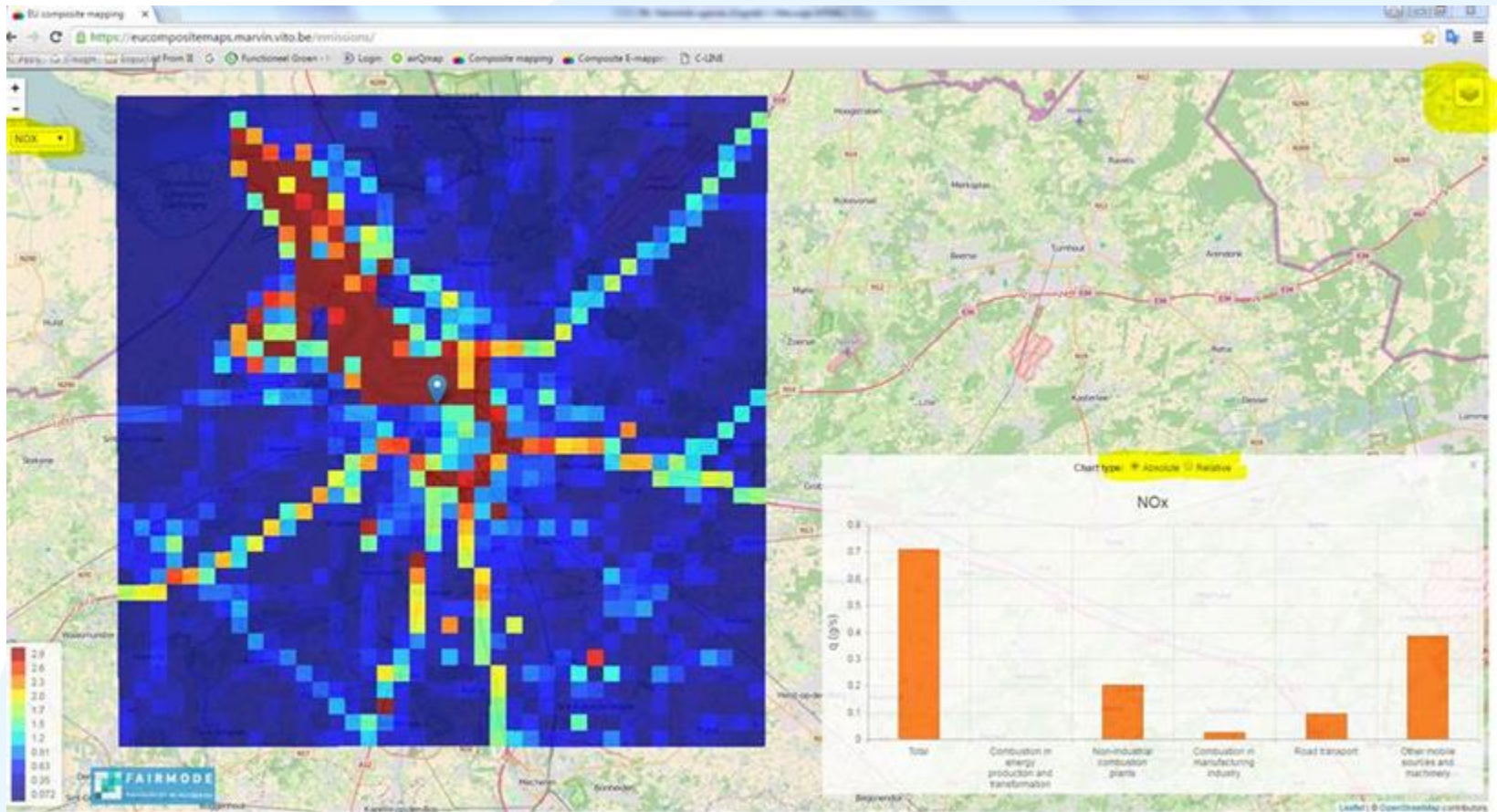


Possible outcomes of a composite emission map exercise



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Fairmode technical meeting 27-29 June 2016

Composite mapping for emissions



Local information into the maps

- Local information from Norway
- Emission inventories available in Norway:
 - EMEP (0.5x0.5)
 - EMEP (0.1x0.1)
 - WELFAIR TD (1x1km)
 - BU inventory in 7 cities (1x1km)



Forurensningskart	▼
Befolkningseksposering	▼
Luftsonekart	▼
Utslippskilder	▼
Fremskrivninger	▼
Nedlastning av inngangsdata	▼

Composite maps – WG2 added value

- Our goal as a group is to provide local emission information knowledge to national and European assessments
 - ✓ Emission information can help interpreting CTM results and differences between countries
 - ✓ WG2 local knowledge can (in time) add to a complete Europewide composite map and provide feedback to improve TD inventories

Composite maps – WG2 added value

- Are there other reasons to include emissions in the composite map exercise?
- What is the main purpose for WG2 to participate in such an exercise?
 - Emission mapping – excellent mapping tool !
 - Easy access to other countries information
 - Easy visualisation by layers: components & sector
 - ...

Composite maps – WG2 requirements

- Are there other specific request to VITO for their tool to make the inclusion of emissions in the composite map exercise worth while?
 - Add layers for different inventories?
 - Industrial data
 - Population
 - Other ancilliary data
 - How do we want to compare TD vs BU in the composite map tool ?
 - Inclusion of ratios? Inclusion of diamonds?
 - Other requirements?
- **CONFIDENTIALITY ISSUES!!!!**

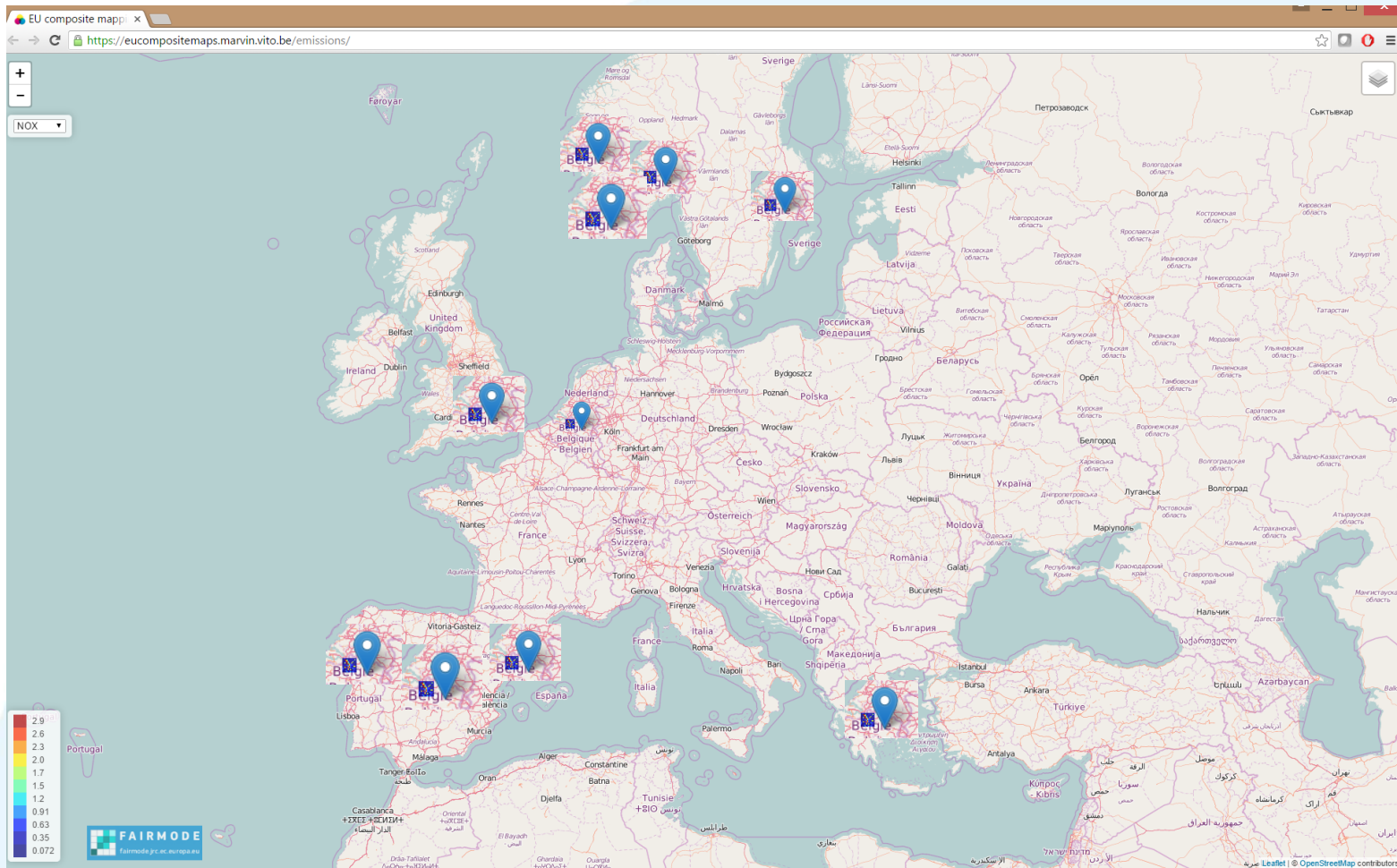
Composite mapping for emissions WG1 & WG2



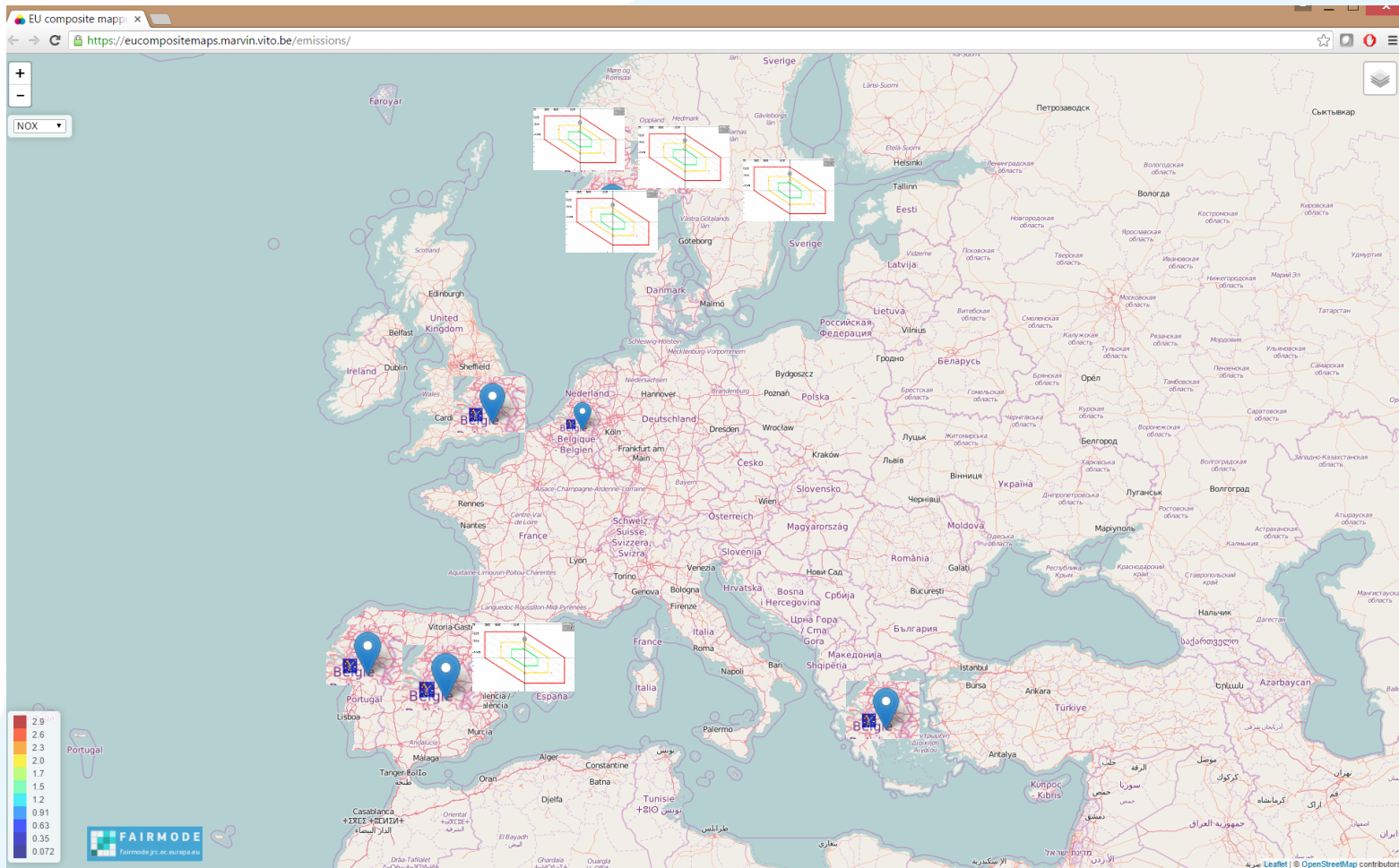
Composite maps – WG2 added value

- WG2 goal as a group is to provide local emission information knowledge to urban, regional, national and European assessments
 - ✓ Contribution to the FAIRMODE «competence wheel»
 - Assessment of emissions in «National plans & programs»
 - Identification of relevant measures from knowledge on the share of emissions
 - ✓ WG2 local knowledge can (in time) add to a complete Europe-wide composite map and provide relevant feedback to improve TD inventories from EMEP (regulatory), TFIAM (EC4MACS) and CAMS (TNO-MACC)
 - ✓ Emission information can help interpreting CTM results and differences between countries

Composite mapping for emissions



Composite mapping for emissions



FAIRMODE WG2 ADDED VALUE – Diamond diagrams as quality control and feedback to national EU wide TD inventories

Composite Emission Mapping Exercise

- ❖ Is this exercise useful as part of FAIRMODE Competence wheel?
- ❖ How many groups could be able to contribute ?
 - Deliver emission data maps?
 - Carry out emission benchmarking with the Delta tool