



Workshop on

Air Quality and Atmospheric Composition Metadata

Morrison Hotel, Dublin, Ireland 5-7 September 2012

CONCLUSIONS





Workshop Objectives

- Identify essential metadata elements needed for dataset and service discovery and use ✓
- Map this information onto existing standards (and check if terminology can be translated between standards) ✓
- Advance common understanding of interoperability (connections among networks, servers, people) ✓
- **Formulate best practices for metadata generation and use** ✓



What have we achieved?

- Initial definition of metadata needs for model output
- Advanced clarification of metadata needs for observational data
- Mapping required information onto existing standards/templates (was easier than feared)
- Increased awareness of and knowledge about existing metadata standards and practices
- Implementation options of metadata specifications across different communities (obs, emis, mod)
- Better understanding of the different steps in the data distribution process and the roles of the individual people/organisations involved
- Identification of areas where controlled vocabulary is needed/recommended
- Listing of needs for additional metadata tags (community metadata profile)



How will we proceed from here?

- Review of codelists for analytical techniques and compounds with reference to CF
- Define codelists for identified new areas (link to existing discussions where possible)
- Revise templates
- Develop mapping tools between existing standards (e.g. GEOMS <-> ISO/INSPIRE)
- CoP AQ Topic “Advancing interoperable applications” ?
- CoP AQ mapping metadata standards with satellite community



Expected Outcomes

- A set of „good practice“ recommendations for metadata generation and use across communities
- Concrete actions to communicate these findings
 - MACC Report
 - Review of existing proposals for e-reporting/data flagging from GISC
 - Publication in IEEE-JSTAR
 - Identify how CoP AQ can contribute to the GEO Workplan
 - Link to INSPIRE
 - Implementation in selected networks



Identified outcomes

- Draft a recommendations document and circulate
Submit as MACC – GEO AQ CoP Report that includes good practice templates
- Contribute report to the GEO Workplan
- Publication in IEEE-JSTAR
- Implementation in selected networks
- Link to INSPIRE via EEA e-reporting (pilot studies)
- Take data flagging back as a GISC- MACC –II issue



FINAL QUESTIONS

1. Have you learnt something from this workshop ?
2. What are you inspired to work further with ?

Identify your contributions to the GEO Work plan
and send us a message for coordinated input!



Thank you!