Second Workshop on the USE OF GIS/OGC STANDARDS IN METEOROLOGY
23 > 25 NOV. 2009 METEOPOLE • TOULOUSE • FRANCE

Report of the
Conceptual Modelling Working group

Working group on Conceptual Modelling

Define the scope that has to be given to the model activity in order to get common underlying conceptual models and 'application schemas' consistent and unambiguous necessary for reaching interoperability with a range of OGC standards (WMS, WCS, GML, WFS ..)
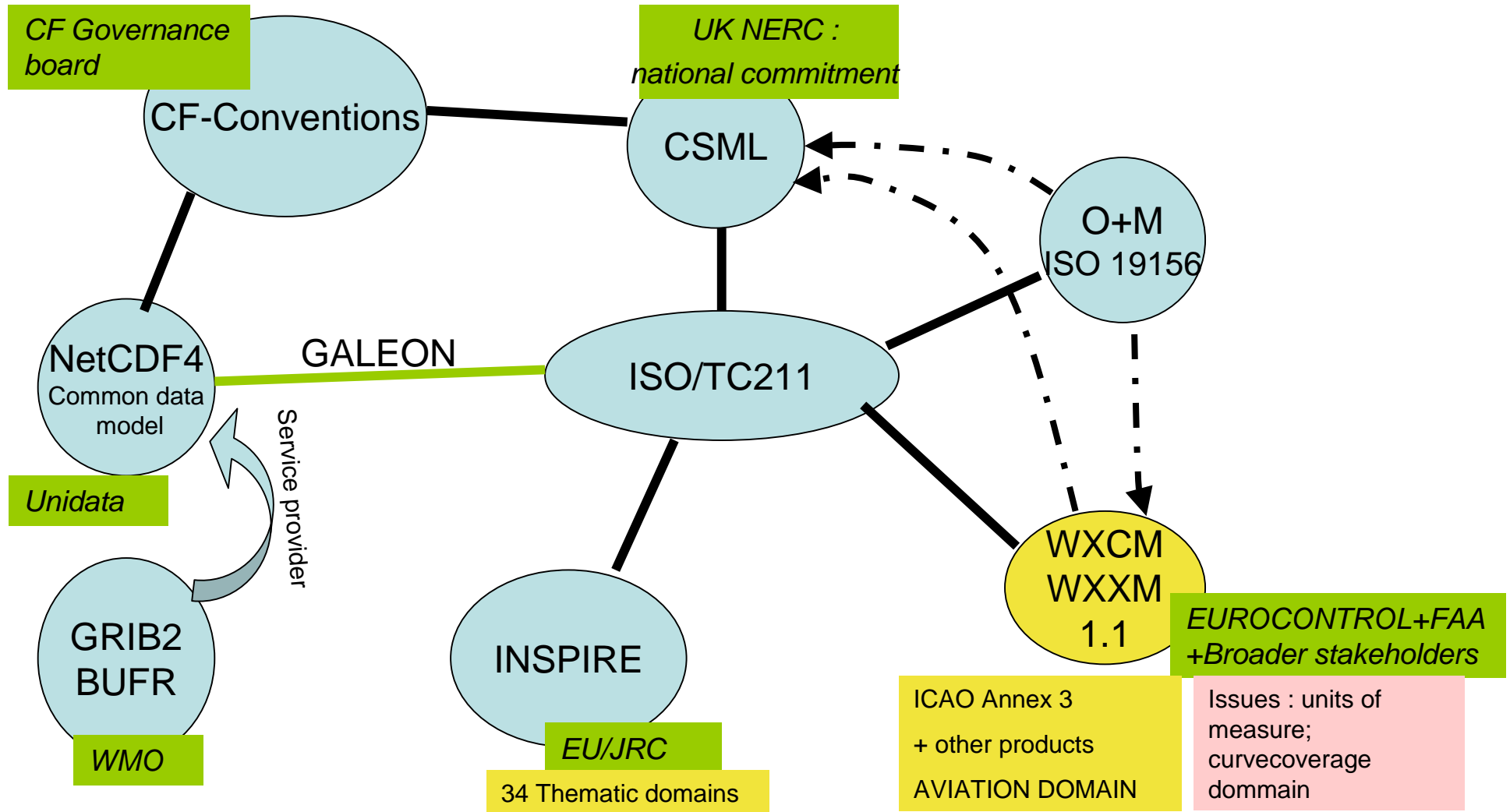
Propose a working method and a roadmap

- Starting point Observations and Measurements

- How do we proceed from here?

  - Scope

  - => use cases as mechanism to resolve scope

    - => Relationship between Conceptual & implementation modelling activities

      Series , iterations, 1 iteration overnext 12 month

  - Outputs

    - Influence WMO, CBS   Dec 2010

      - Candidate conceptual model

      - Demonstration it is viable via a Candidate implementation model

      - Demonstration of data exchange using candidate conceptual model

      - Support to IPET/MDI work to Terms of Reference for ongoing governance & maintenance (for IPET-DRC)
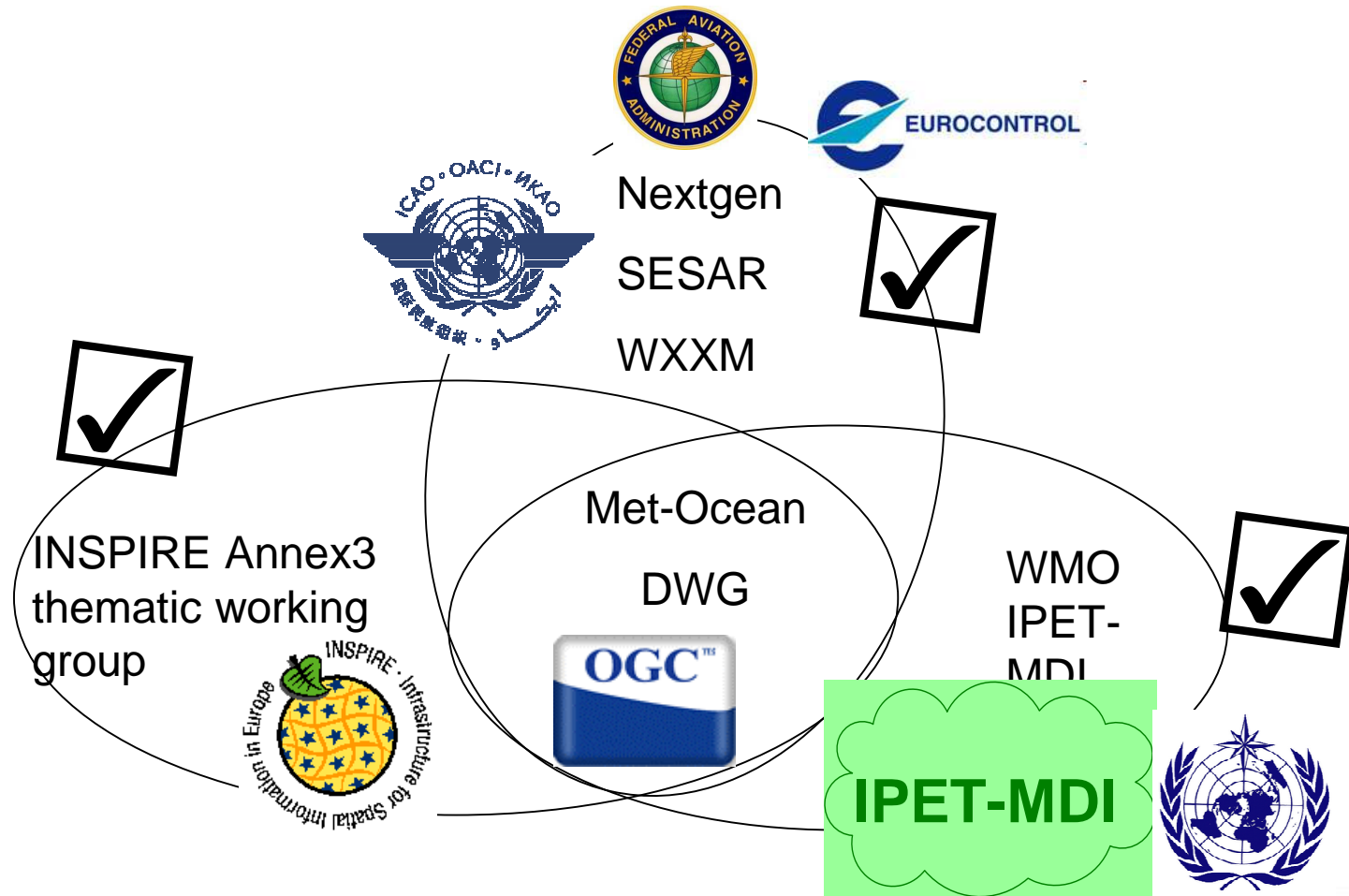
...hop on the use of ...standards in meteorology

STANDARDS LANDSCAPE

CF Governance board

UK NERC : national commitment

CF-Conventions

CSML

O+M
ISO 19156

NetCDF4
Common data model

GALEON

ISO/TC211

Service provider

Unidata

GRIB2
BUFR

INSPIRE

WXCM
WXXM
1.1

EUROCONTROL+FAA +Broader stakeholders

WMO

EU/JRC

34 Thematic domains

ICAO Annex 3

+ other products

AVIATION DOMAIN

Issues : units of measure; curvecoverage dommain

2nd Workshop on the use of GIS/OGC standards in meteorology

Activities

- Will stakeholder organizations respect output from Met-Ocean DWG

Nextgen

SESAR

WXXM

Met-Ocean

DWG

INSPIRE Annex3
thematic working
group

WMO
IPET-
MDI

IPET-MDI

Time

- Connected working groups
  - MDWG (OGC)
  - IPET MDI (WMO)
  - INSPIMET (INSPIRE)
  - AIXM/WXXM

Inspire Call for experts

Inspire kick off

AIXM/WX XM joint conf

IPET/MDI

MDWG

MDWG

MDWG

15 Dec 09

Telco

Dec 09   14 Dec 09   Feb 10   March 10   April 10   May 10   June 10

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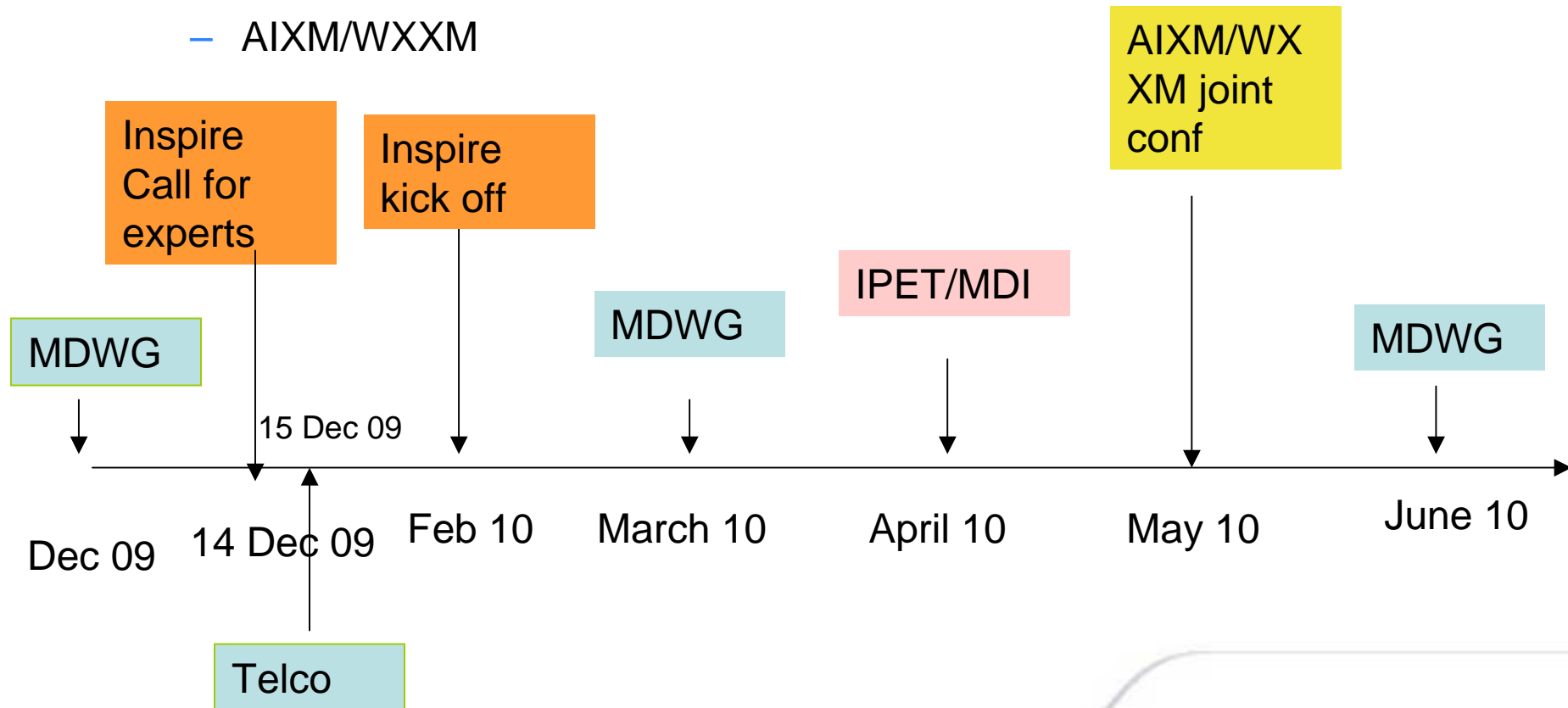
Members !!!

- Volunteers for Conceptual Modelling activity within MDWG
    - Jeremy Tandy
    - Aaron
    - Ethan
    - Frederic
    - Dominic (CSML background
    - Bruce
    - Boris Burger

- Know potential members of the different groups
    - Bruce (Inspire,
    - Andrew (Inspire,
    - Frederic (Inspire,
    - Jeremy (IPET/MDI,
    - Eizi (IPET/MDI
    - Jean-Pierre (Ipet/MDI
    - Aaron (AIXM/WXXM NNEW
    - Oliver NEWELL (AIXM/WXXM NNEW
    - Hubert ((AIXM/WXXM SESAR
    - Bart Nicolai (IPET/MDI, WXXM SESAR

Reviewers

- Ilkka Rinne (FMI)

- Debbie Wilson (Snowflake)

- Tomas Karlsson (SMHI)

Logistics

- OGC Met-Ocean DWG Twiki (share for public review)
- WMO Huddle collaboration workspace (by invitation)

- OGC Telecon already planned @16UTC Tue 15 Dec 2009