Summary of Day 1

Discussion Topics

- Initial discussion about GRIB2 parameter codes
  - Quick procedure to add a new parameter
- Discussion around GME replacement Grid
- Discussion around status of UKV GRIB2 grid proposal
  - Status needs clarification
- Consortia Reports on D3 Progress
  - COSMO
    - Documentation not yet complete
    - Will put new data set there in spring quarter with new level type code
    - Issues with variable coding – needs clarification

Discussion Topics…

- Consortia Reports on D3 Progress
  - HIRLAM
    - HIRLAM format → GRIB is complete
    - Have implemented soil wetness index conversion
  - UM
    - Utilities: fieldcalc & reconfiguration
    - Focus on trying to reuse code
    - Have investigated packing issues
    - Need to investigate land-packed fields
      - bitmaps recommended
    - Should we use paramID
  - Question, and subsequent discussion: Does any grid not have a row at the equator?

Discussion Topics…

- EC pointed out the grib_compare tool
  - They used it in transition from GRIBEX to GRIB API
  - Will use again in GRIB1 → GRIB2
  - Is designed using EC data but can define own keys
- Quick discussion on packing
- UM documentation file on data portal needs replacing
- Suggestion of library containing all grids used
- Discussion session:
  - GRIB2: haven't done sfc fields yet
  - As part of project report list what we've done

Discussion Topics…

- Discussion about data time/validity time and related issues followed

- Documentation discussion followed:
    - ECMWF GRIB API is adequately documented
    - General consensus to make documentation available in form which could be viewed online
        - Indexed PDF would be suitable
    - Should we agree a template?
    - Need to communicate if documentation is inadequate
    - Need 2 strands: documentation of parameters and documentation of grids/model details

- Finally, a preliminary talk about D4

Actions

- RN: add final programme decision document to EUMETNET portal and email out to Interop list

- EF?? : to check status of UKV grid GRIB specification

- Met Office: to create sample GRIB2 UKV

- RN: UM sample file documentation needs reloading onto data-portal

- RN: as part of project report, list what we've done (in terms of conversions)

- All: to make documentation suitable for a clickable web interface (HTML or indexed PDF)

Actions…

- All: Review existing documentation
- RN: provide a template for documentation?
- RN: Issue guidelines for documentation
- All: discuss more widely in consortia what conversions are necessary and which are just desirable
- TD/TG: see how far you can go with UM in taking EC and converting for UM LAM