Summary of Day 2

Discussions

- Day 1 summary discussions
- Decided not to pursue idea of library of grids at present time
- Discussion about interpolations
- Conversions already done
- Filled out contingency tables:
  - Global → LAM
  - LAM → LAM
- Discussions around conversions already done should be easy to implement
- ALADIN activities
  - Have changed tack with adaptor development
  - Now developing new configurations

Discussions

- Been modified to include GRIB API
- These configurations have been implemented in GRIB1, GRIB2 is imminent (code is ready for config 901: 902 and 903 need implementing)
- Prototyping also in 2 stages:
  - 1) horizontal interpolations (post-processing interoperable data)
  - 2) necessary interpolations for model initial conditions (“902”)

- Discussion revisited GRIB API optimisation on NEC.
  - Point was stressed that GRIB reading only was optimised, not tackled writing yet

Discussion…

- Clarification that v195 is now stable (GRIB API)
- EF has been through model level parameters
- Soil Wetness Index needs adding
- ALADIN documentation seen as complete
- Re. grids, is it a geometrical issue with GRIB2 or the requirement for a grid template? Decided in all likelihood it would need a proposal submitting
- Remarked that Annex 2 now purely ALADIN-focused, but it's still there
- All decided to follow ALADIN documentation example

Discussion…

- Add appendix on vertical interpolation to documentation
- Then followed the ALADIN work plan
- COSMO report on D4
  - pre-operational runs with ICON grid in ~year
  - So by end of next year ICON→COSMO must be available
- HIRLAM report on D4
  - 1st priority: finalise GRIB2 IFS → HIRLAM
  - Can piggy-back onto ICON →COSMO
- Then returned to surface fields

Discussions…

- UM discussion
- SWI: Claude described what had been done in ALADIN, Toon implemented in HARMONIE context
- CF: tendency will be to use ARPEGE/ALADIN surface there is little inclination to take work done further due to complications both actual and perceived challenge (low priority of work)

Discussions…

- HIRLAM runs from IFS upper air/ soil from HIRLAM climatology
  - So never had problem of matching surface
  - Just assume a 2-3 day spin-up period
- Remarked that exchange of best practices would be good here
- Noted that lake modelling is now more important, there followed a GRIB2 parameter discussion

Discussion…

- Onto maintenance plan for interoperability
- Need a plan that will survive ‘work as normal’
- Aim for expert team to become management team for interoperability
- There followed chat about
- Item 4 needs rewording
- Replace text of annual adaptor test
- Produce contingency tables for annual report to EWGLAM/SRNWP
- If data sets are once per year, AH agreed data-portal can remain

Discussion…

- Discussion surrounding methods of updating documentation and informing colleagues ensued
- Was suggested GISC could be a solution
- Project to put out recommendations
  - Cannot force people to adopt processes but should be encouraged
- Was suggested that adaptor documentation put into annex of interop documentation
- Finally, interop continuation…

Discussion…

- Terry led discussion through options on continuation discussion
- Comment from ALADIN that they have no high priority to do sfc work in the near future
- Pointed out that there are good reasons for continuation of Interoperability, have developed a prototype, now take it ‘quasi-operational’
- Formal programme structure encourages focus and enables meeting preparation etc
- Independently come up with ‘wish-list’

Discussion…

- Highlight more effort was put into coordination and learning of GRIB2, was the reason we failed to fully deliver the original specs. In a sense we have achieved an extra deliverable.
- Could be an extension: GRIB2 coordination deliverable
- Need to get feedback from EPS/DA workshop in Feb

Actions

- ??: pass suitable definition of soil wetness index to EF for parameter inclusion
- CF: to contact EF with details for proposal to WMO for new GRIB2 grid template
- ALL: Edit current documentation following ALADIN doc as template
- ALL: add appendix on vertical interpolations
- RN: update D2 document moving ALADIN to right (into new software tools from existing)
- TM: Send round email re. how approached SWI formulation for HARMONIE

Actions

- CF: to point all to location of J-F Mahfouf's presentation
- US: find out what is documented on the version of GME running at ECMWF with ECMWF sfc
- ALL: provide details of best practice within consortia on request
- ALL: put documentation onto consortia webpages (INTEROP-related)

Actions

- ALL: Each consortium to identify one or more products they would like to have (related to Interop)
- RN: to compile what we think we will deliver from originals, what will we have failed to deliver?
- RN: request feedback from EPS workshop in Feb with timetable in mind
- RN: get timetable for spring STAC
- RN: action to circulate minutes
- RN: send presentation slides out

Actions

- ALL: Considering item L of deliverables. There are 2 aspects to the deliverable, the first relates to data policy and we consider this is covered adequately by existing ECOMET data policy. The second aspect relates to the uptake of software. Adaptor software is owned by consortia and Any auxiliary software is open source (LGPL, e.g. GRIB API).
- RN: check any INSPIRE implications, i.e. XML wrapper around format.
- Agreed that web conference will be held for the final Interop report.