GRIB data for WMO LC-WFV

Find in this page all necessary information for project participants.

Please be aware that some links or e-mail addresses are available only for authenticated users.

Model details

- ~~Providers are asked to add their model details to the page Model details by providers. (these pages have been retired now)~~
- The summary of all model details can be seen in Models' description page.

General requirements

- **Domain and resolution**
  - The fields have to be provided on a regular latitudelongitude grid at the resolution that is best matching the native resolution of the direct model output.
- **Parameters**
  - following set of parameters was agreed:
    - Atmospheric forcing:
      - 10 metre U wind component [m/s]
      - 10 metre V wind component [m/s]
    - Wave Fields:
      - Significant height of combined wind waves and swell [m]
      - Peak wave period [s]
      - Mean zero-crossing wave period [s]
      - Mean wave direction [degree true]
- **Forecast-observation matching**
  - The matching between forecast and observation will be based on a nearest grid point approach.
  - No match-up will be performed if any of the surrounding grid points are missing in order to minimise land contamination effects.
- **Data format**
  - The data shall be encoded in GRIB format (edition 2) using WMO compliant templates. ECMWF can assist in the conversion into GRIB edition 2.
  - Encoding details
    - Refer to the page LC-WFV technical details for complete specification of the required input data.
- **Data exchange**
  - Refer to the page LC-WFV technical details for expected test and future production work flow.