

# PROGRAMME

## MODULE COM GRIB - GRIB API: library and tools

24 February - 27 February 2015

### TUESDAY, 24 FEBRUARY:

|       |   |                    |
|-------|---|--------------------|
| 09.00 | Welcome<br>- Lecturers<br>- Students  | Umberto Modigliani |
| 09.15 | GRIB API: introduction  | Shahram Najm       |
| 10.30 | <i>C O F F E E</i>  |                    |
| 11.00 | GRIB API: tools<br>- grib_info<br>- grib_count<br>- grib_dump<br>grib_ls<br>Metview Grib Examiner | Carsten Maaß       |
| 12.15 | GRIB API: keys  | Shahram Najm       |
| 13.00 | <i>L U N C H</i>  |                    |
| 14.00 | GRIB API: tools<br>- grib_compare<br>- grib_get<br>- grib_get_data                                | Paul Dando         |
| 15.30 | <i>C O F F E E</i>  |                    |
| 16.00 | GRIB API: tools<br>- grib_copy<br>- grib_set  | Paul Dando         |
| 16.55 | Questionnaire/Feedback  |                    |
| 17.00 | <i>C O C K T A I L S</i>  |                    |

**WEDNESDAY, 25 FEBRUARY:**

|       |   |   |
|-------|---|---|
| 09:00 | GRIB API Fortran 90/C/Python interface<br>- overview of the API<br>- practicals | Dominique Lucas<br>Xavier Abellan-Ecija |
| 10.30 | <b><i>C O F F E E</i></b>   |   |
| 11.00 | GRIB API Fortran 90/C/Python interface (cont'd)<br>- practicals                 | Dominique Lucas<br>Xavier Abellan-Ecija |
| 13.00 | <b><i>L U N C H</i></b>   |   |
| 14.00 | GRIB API: tools<br>- grib_filter: basic features<br>- grib_to_netcdf            | Paul Dando                              |
| 15.30 | <b><i>C O F F E E</i></b>   |   |
| 16.00 | GRIB API:<br>- general practicals   | All                                     |
| 16.55 | Questionnaire/Feedback  |   |
| 17.00 | <b><i>E N D</i></b>   |   |

**THURSDAY, 26 FEBRUARY:**

|       |   |   |
|-------|---|---|
| 09:00 | GRIB API Fortran 90/C/Python interface<br>- advanced features<br>- practicals | Dominique Lucas<br>Xavier Abellan-Ecija |
| 10.30 | <b><i>C O F F E E</i></b>   |   |
| 11.00 | GRIB API Fortran 90/C/Python interface (cont'd)<br>- practicals               | Dominique Lucas<br>Xavier Abellan-Ecija |
| 13.00 | <b><i>L U N C H</i></b>   |   |
| 14.00 | GRIB API: Python interface  | Xavier Abellan-Ecija                    |
| 15.30 | <b><i>C O F F E E</i></b>   |   |
| 16.00 | GRIB API: advanced topics<br>- packing  | Shahram Najm                            |
| 16.55 | Questionnaire/Feedback  |   |
| 17.00 | <b><i>E N D</i></b>   |   |

**FRIDAY, 27 FEBRUARY:**

|       |   |                    |
|-------|---|--------------------|
| 09.00 | GRIB API: advanced topics<br>- parameter database<br>- conversion from GRIB1 to GRIB2 | Shahram Najm       |
| 10.30 | <b><i>C O F F E E</i></b>   |                    |
| 11.00 | GRIB API: advanced topics<br>- local adaptation                                       | Shahram Najm       |
| 12.15 | Quiz  | All                |
| 12.45 | Questionnaire/Feedback  | Umberto Modigliani |
| 13.00 | <b><i>END OF MODULE COM GRIB</i></b>  |                    |