

## Minutes of the 4th working day of the SRNWP ET on surface processes (Helsinki, 21 September 2012)

Participants : G. Rooney (GR) (MetOffice), E. Kourzeneva (EK) (FMI-RSHU), L. Rontu (LR) (FMI), P. de Rosnay (PdR) (ECMWF), R. Hamdi (RH) (RMI), J.-M. Bettems (JMB) (MeteoSwiss), J. Helmert (JH) (DWD), J.-F. Mahfouf (JFM) (Météo-France), D. Mironov (DM) (DWD), C. Fortelius (CF) (FMI)

Like previous meetings, the date of this working day was chosen to coincide with a workshop of interest for most of the members of our ET. This year it has followed the 3rd lake workshop organized by MUSCATEN at FMI (Helsinki) (18-20 September 2012). Each SRNWP consortium was present and it has been an opportunity to have an overview of ongoing activities from all of them and to review a number of common actions in the ET. The presentations are available on the web page of the SRNWP ET on surface processes.

We started an activity of the ET on September 20th after the closure of the lake workshop by updating the documentation of the land surface modelling and assimilation components from each consortia. This activity has been continued at the end of the working day with the remaining participants. Since it has not been possible to complete this update during the working day, JFM has requested the representative of each consortium to send him the remaining revisions in order to finalize this action.

Regarding the next EWGLAM/SRNWP (Helsinki, 8-11 October), we finalized the programme involving our ET : a review talk on surface processes will be given by LR by providing an overview of past, ongoing and future activities related to lake modelling (following a draft provided by DM). LR will also provide a written contribution of this review talk (when?). EK will give the HIRLAM presentation (using the material presented during this working day). **JFM will ask Philippe Steiner from MeteoSwiss to give the COSMO presentation (based on the material presented by JMB).**

The consolidation of the Global Lake Data Base was discussed during the lake workshop. It will be done in the framework of the PhD activities of Margarita Chulga (student of EK). Funding will be asked by Jeanette Onvlee to ECMWF for travel support. JFM suggested that a support letter should be written by the C-SRNWP Programme Manager (Gergely Bölöni; GB) to the ECMWF director explaining the interest of this support for the SNRWP community (e.g. the assimilation of SMOS radiances). **JFM will contact GB on that point.** During the lake workshop, the availability of lake validation data sets was discussed (those used in LakeMIP?), even though they cannot be hosted by the SRNWP data pool due to the current restriction for their distribution, JFM has suggested to create a link to this datasets from the SRNWP ET on surface aspects web page. Finally, the participants of the lake workshop agreed to have a other workshop in two years time (2014) that could take place in Portugal (Evora?) or Germany (Berlin?). However, MUSCATEN will not be able to provide financial support. New sponsors will have to be found. JFM suggested the lake workshop to be a joint SRNWP workshop. **JFM will ask to GB if EUMETNET could provide some funds for the organisation of this workshop.**

Regarding common activities, JMB presented the status of the COLOBOC data base (SRNWP data pool). 4 of the 8 sites have a complete time series of 6 years (2006-2011). The current quality of the data from the UK site (Cardington) have not allowed to include many of them in the data pool. **Claudia Herett, who is processing the data, will get in touch with GR via JMB in order to solve this issue.** Data set from Valdaï (location in Russia) could be put in the data pool, however it has not been done because, up to now, there is no soil measurements. Despite such missing data, the ET agrees that this dataset would be very useful because of a contrasted climate with respect to other locations (lake proximity, long snow measurement records ; Valdaï one of the site used in the PILPS intercomparison experiment). **JFM will contact Claudia Herrett to indicate her that Valdaï data could be put in the SRNWP data pool.** PdR indicated that the H-SAF management has expressed interest in the SRNWP data pool. **PdR will provide the email address of the C-SRNWP PM to make such data available.** It was agreed that the opening the SRNWP data pool outside the European NMSs (Universities, Academic research institutes) would increase the visibility and the usefulness of this initiative. **JFM will contact the C-SRNWP PM to ask him to write a letter to the NMSs directors who agreed to make the data available for such extension** (we agreed that the access should still be restricted and user/password obtained through the C-SRNWP PM, in order to have maintain a record of the people asking for the data).

JFM gave news about the future of C-SRNWP. A proposal have been submitted to EUMETNET with OMSZ (Hungarin Met Service) as PM following the existing programme. Enhancement with end-users is envisaged even though it is not known how (increased role of the ET « links with applications » ?). There are good chances that this programme will be accepted by EUMETNET and that the ET structure will be kept. However JFM indicate his will to step-down from his role of chairperson.

JFM suggested to have a « small size intercomparison exercise » within the ET in order to promote a common usage of the SRNWP data pool. This intercomparison could be limited to one or two sites over the most recent year (2011) using outputs from operational models. JFM will interact with PdR (ECMWF) and Markku Kangas (FMI) to examine what is already available in terms of data formats and already existing comparisons.

Few remarks : DEM from ASTER (20 m) has important quality issues above 60 °N, Need to update ECOCLIMAP glacier extension with national data sets (Mariken Homleid from MetNo), ECMWF receives many snow data from national countries (provided through the GTS but not as SYNOP reports)