ACC⬡RD

A Consortium for COnvection-scale modelling Research and Development

Summary of Surface activities

Patrick Samuelsson, 2022-04-08, All Staff Workshop, Ljubljana

Monday morning surface session

Chair: Balázs Szintai   Co-chair: Stefan Schneider

- **SAMUELSSON Patrick: Performance of multilayer surface physics over the MetCoOp domain**

- **BAZILE Eric: Status for surface modelisation in AROME/ARPEGE in Météo-France**

- **BESSARDON Geoffrey: Plan for the production of a high-resolution version of ECOCLIMAP-SG**

- **KURZENEVA Ekaterina: Overview of land surface activities in HIRLAM**

- **SAMUELSSON Patrick: Steps toward common surface environment in ACCORD and surface activities**

- **SAMUEL Viana & SHAPKALIJEVSKI Metodija: On the effects of the RSL parameterization in ISBA-MEB: OFFLINE vs ONLINE coupling**

THANKS!

ACC≋RD
A Consortium for COnvection-scale modelling
Research and Development

Common ACCORD NWP SURFEX repository in GitHub

Integration leader, system and surface ALs celebrating progress :-)

Good progress this week! A common ACCORD SURFEX code based on SURFEXv8.1 is **now** available under the ACCORD GitHub environment for the purpose to be a common SURFEX environment for ACCORD SURFEX applications and developers:

https://github.com/ACCORD-NWP/SURFEX-NWP/tree/ACCORD_NWP_v81

Acknowledgements to Daniel and Alexandre for the establishment of the ACCORD GitHub setup!

Acknowledgements to Klaus Zimmermann (SMHI) for help finding the filter-repo package used to clean the SURFEX git history (to get rid of big files in the git history which otherwise would prevent GitHub to accept a push).

ACC⏚RD
A Consortium for COnvection-scale modelling Research and Development

Common ACCORD NWP SURFEX repository in GitHub

ACCORD NWP SURFEX developers, please join! **You need your own GitHub account**. **As soon as you have that you can be invited to join the ACCORD GitHub SURFEX repository.**

This branch will be used in May for the NWP SURFEX training in Budapest/remotely.

Contribution practices will follow those described by [Daniel Santos] **and [Alexandre Mary]** **yesterday. In short: fork off, clone, create a feature branch, verify, push, make a pull request.**

Eoin Whelan: AccordDaTools (RT10)

AccordDaTools: How to contribute

- Create a fork and add/develop in a "feature" branch
- Once happy submit via a "pull request"

ACC⊜RD
A Consortium for COnvection-scale modelling
Research and Development

Surface data assimilation questions and comments

How do we do **preprocessing of satellite products or radiances for surface applications**? Now separate and specific solutions in each individual setup. Can we join here around a common framework? E.g. an extension of the satellite handling performed for the upper atmosphere data assimilation…

The long term strive is a strongly coupled atmosphere-surface assimilation system where today's surface applications are not longer used (CANARI, Soda, …) but can we also join around a medium-term framework supporting CANARI, Soda,...

ACC≋RD

A Consortium for COnvection-scale modelling
Research and Development

A high-resolution version of ECOCLIMAP-SG

Geoffrey Bessardon gave the presentation "**Plan for the production of a high-resolution version of ECOCLIMAP-SG**" and described the steps how this might be achieved.

Wish to emphasize: Geoffrey welcomes anyone who wishes to join him in this effort!

- Software package development
- Share any national physiography datasets that you are aware of

Please don't hesitate to contact Geoffrey.

ACC⬭RD
A Consortium for COnvection-scale modelling
Research and Development

ACCORD NWP SURFEX training in Budapest in May

We are kindly invited by OMSZ to enjoy a May week (9-13) in Budapest for our NWP SURFEX training. It is a hybrid meeting. **[Link to wiki page here](#)**.

The agenda includes a number of lectures, training activities and discussions on how to proceed with SURFEX for our NWP needs.

At the moment some 30 participants have signed up (10 on site). There is room for more participants, on site and virtual. Please sign up via the wiki page.

ACC⬥RD
A Consortium for COnvection-scale modelling
Research and Development