

SURFEX Steering Committee

27 May 2024 Toulouse

Participants:

Patrick Samuelsson (ACCORD surface area leader, remotely), Matthieu Lafaysse (CEN, remotely), Christine Delire (GMGEC), Jeanne Colin (GMGEC), Quentin Rodier (Meso-NH), Aaron Boone (GMME)

SURFEX Team: Marie Minvielle, Patrick Le Moigne, Antoine Verrelle, Soline Bielli, Bertrand Bonan (surface DA expert)

Invited: Ekaterina Kourzeneva (Harmonie-AROME representative), Rafiq Hamdi (ALARO representative), Adrien Napoly (AROME representative), Joaquim Arteta (ACCALMIE project, GMGEC)

Agenda:

- *Presentation of the Committee members*
- *General presentation by the SURFEX team (40')*
 - *SURFEX V9 (Marie and Patrick 25')*
 - *Status and issues (Patrick 10')*
 - *Code management, rules, content and schedule of the next releases (Marie 10')*
 - *Documentation (Patrick 5')*
 - *Physiography, status, ongoing developments (Diane 5')*
 - *The MASCOT project (Patrick 10')*
- *Presentation of the group activities (60')*
 - *ACCORD (Patrick, including contribution of the 3 CSCs), MESONH (Quentin), CEN (Matthieu), GMGEC (Christine), GMME (Aaron)*
- *Open discussion*

Outcome:

- The ACCORD contribution won't be ready before end of September (phasing and validation with STRATO), therefore it is proposed to the CEN group to contribute to the current SURFEX_V9_DEV. The CEN agrees on the principle (the feasibility was verified internally after the meeting) to phase and validate after the summer. Then the SURFEX Team will migrate the code management to GitHub and publish the V9.1.0.
- The ACCORD contribution will have to be made later on, which will strengthen the current code divergence. It's necessary to find a solution before end of 2024 or 1st semester of 2025 to phase and validate with STRATO the ACCORD contribution before entering another development IAL cycle (the ACCORD Project Manager has been informed after the meeting).
- The contribution to the TEB model are often large contributions and the question to propose Jean Würtz to join the committee as expert in the field is asked? Everybody agrees to have one more member and the SURFEX Team will ask Jean Würtz to join the committee.

- In ACCORD, the use of GitHub is part of the working practices, the contributions are done via Pull Requests (PR). The question of having 1 or 2 reviewers per PR is asked. What is the role of a reviewer? To read the code? To fork the PR and make tests to validate the modifications? Need to define a template for a PR. This question will have to be answered when the migration to GitHub will be effective.
- For further contributions, the SURFEX Team proposed to have not only 1 ACCORD contribution but to let the possibility to split it by surface contribution from the 3 CSCs, which would enable smaller contributions and ease the integration and the use of STRATO (merge and validation). This proposition doesn't seem to be acceptable from ACCORD, who wants to have a single ACCORD contribution. But the question of who in the ACCORD consortium is responsible to merge and validate is still pending.