SPECIAL PROJECT PROGRESS REPORT

All the following mandatory information needs to be provided. The length should reflect the complexity and duration of the project.

Reporting year: 2022

Project Title: Evaluation, Tuning and Optimisation of physiography and Surface Physics Parametrizations in HARMONIE-AROME for NWP forecasting for Ireland

Computer Project Account: SPIEBESS

Principal Investigator(s): Geoffrey Bessardon

Affiliation: Met Éireann

Name of ECMWF scientist(s) collaborating to the project (if applicable): Emily Gleeson

Start date of the project:

Expected end date:

Computer resources allocated/used for the current year and the previous one (if applicable)

Please answer for all project resources

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<th>Previous year</th>
<th>Current year</th>
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<tr>
<td></td>
<td>Allocated</td>
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<tr>
<td>High Performance</td>
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<td>Computing Facility</td>
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<td>Data storage capacity</td>
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June 2022

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Summary of project objectives (10 lines max)
Testing improved land cover map with its add-on datasets in HARMONIE-AROME cycle 43/46

Summary of problems encountered (10 lines max)
None yet

Summary of plans for the continuation of the project (10 lines max)
Starting the project during the second semester

List of publications/reports from the project with complete references
Not applicable

Summary of results
If submitted during the first project year, please summarise the results achieved during the period from the project start to June of the current year. A few paragraphs might be sufficient. If submitted during the second project year, this summary should be more detailed and cover the period from the project start. The length, at most 8 pages, should reflect the complexity of the project. Alternatively, it could be replaced by a short summary plus an existing scientific report on the project attached to this document. If submitted during the third project year, please summarise the results achieved during the period from July of the previous year to June of the current year. A few paragraphs might be sufficient.
The work was postponed to the second part of 2022