

# 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** .....2020.....

**Project Title:** ...Regional ocean model climate simulations for 'Danish Climate Atlas' project .....

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**Computer Project Account:** .....spdksu.....

**Principal Investigator(s):** .....Jian Su.....

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**Affiliation:** .....Danish Meteorological Institute.....

**Name of ECMWF scientist(s) collaborating to the project** .....

(if applicable) .....

**Start date of the project:** .....30.12.2019.....

**Expected end date:** .....03.01.2021.....

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

Please answer for all project resources

		Previous year		Current year	
		Allocated	Used	Allocated	Used
<b>High Performance Computing Facility</b>	(units)			1000000	0
<b>Data storage capacity</b>	(Gbytes)			2000	0

**Summary of project objectives** (10 lines max)

This special project is for testing the resources required to run ocean climate simulations within the ‘Danish Climate Atlas’ project on ECMWF machines. The model currently used is DMI-HBM model. If it is feasible, we will also make a small test with NEMO-nordic setup. Currently year, some experiments are designed within the project will be tested. At the end of the project, we will evaluate whether we should apply more resources from ECMWF.

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**Summary of problems encountered** (10 lines max)

Due to the Corona crisis, IT support is delayed at DMI. It has not been tested for setting up the system on ECMWF machine. It will be tested in the 3<sup>rd</sup> quarter of the 2020. After that, we will run some experiments.....

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**Summary of plans for the continuation of the project** (10 lines max)

The setup will be tested in the 3<sup>rd</sup> quarter of the 2020. After that, we will run some experiments relevant to some storm surge events.

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**List of publications/reports from the project with complete references**

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**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.

Not any specific progress yet. The outcome will be evaluated at the end of 2020.....

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