ENES, the "European Network for Earth-System Modelling", established a Task Force, the so-called HPC-TF, in late 2011 to help addressing issues related to simulation using high-performance computing and serving ENES active projects. The HPC-TF is presently serving the ESiWACE\(^1\) Centre of Excellence. A newsletter is being produced on a regular basis, to bring in contained way information of likely interest to a larger community. It is also available at [https://verc.enes.org/computing/hpc-collaborations/hpc-taskforce](https://verc.enes.org/computing/hpc-collaborations/hpc-taskforce).

1. The PRACE Scientific Case, produced for the period 2012-2022, see [http://www.prace-ri.eu/prace-the-scientific-case-for-hpc/](http://www.prace-ri.eu/prace-the-scientific-case-for-hpc/), is presently under review. The updated PRACE Scientific Case is under the responsibility of PRACE Scientific Steering Committee (SSC), who should make it available before mid-2018. In order help the PRACE SSC, the HPC-TF is now starting to update the "Climate" and "Weather" parts of this document, in conjunction with the EXDCI\(^2\) project, in order to provide community-approved input to PRACE SSC.

2. The HPC-TF will participate within the next months in meetings aimed at brainstorming about, and preparing new projects and initiatives in the field of climate simulation:
- London, July 6: EPECC (European Programme on Extreme Computing and Climate), a proposed new European flagship;
- Paris, end of October or beginning of November: IS-ENES3, an infrastructure programme dealing with European contributions to international intercomparison exercises
- Berlin, mid-December: ESiWACE2, the follow-on of actual Center of Excellence.

3. The Hi-PRACE proposal, dealing with high-resolution simulation of future climate and submitted to PRACE call 14, has not been funded. Another proposal, dealing with high-resolution decadal forecasting is being prepared for submission to PRACE call 16.

4. The HPC-TF organized on May 16 a special session during the HPC Summit Week\(^3\) (Barcelona). This special session reviewed the various infrastructure initiatives and research projects of interest to weather and climate simulations. The complete agenda and presentations can be found at [https://portal.enes.org/community/announcements/events/european-hpc-summit-week-2017](https://portal.enes.org/community/announcements/events/european-hpc-summit-week-2017). Other sessions during the HPC Summit Week concerned our community, as, e.g., the proposal of the

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1 Centre of Excellence in Simulation of Weather and Climate in Europe ([https://www.esiwace.eu/](https://www.esiwace.eu/))
2 European Extreme Data & Computing Initiative ([https://exdci.eu/](https://exdci.eu/))
ESCAPE\(^4\) project, led by ECMWF, to contribute to an Extreme-scale demonstrator for the preparation of the future European exascale computer

5. The Fourth Workshop on Coupling Technologies for Earth System Models
About sixty researchers and engineers from nine different countries in North America, Europe, and Asia came together on March 20-22 2017 at the Princeton Center for Theoretical Science on the campus of Princeton University to discuss the latest developments and applications of coupling technologies for Earth System Models (ESMs). Besides the description of recent developments in existing coupling technologies, topics included: Use of Coupling Technologies in ESMs, Performance of Couplers and Coupled Systems, and Science of Coupling and Coupling Strategies. This Fourth Workshop on Coupling Technologies for Earth System Models continued the series started in Toulouse in 2010 and pursued in Boulder in 2013 and in Manchester in 2015. The program, abstracts and presentations are available at https://www.earthsystemcog.org/projects/cw2017. This workshop was sponsored by IS-ENES2 and the Princeton University Cooperative Institute for Climate Science.

6. Other scientific conferences and workshops are organized in the next weeks/months, which will address issues of interest for climate modelers. The next one is the PASC17 conference (Lugano, Switzerland, June 26-28, 2017), with a session on "Energy-Efficient and Scalable Model Components for Weather and Climate Prediction" organized by Peter Bauer, and many other sessions dealing with examples from other application domains and with applied mathematics of interest for advanced simulations (see https://submissions.pascconference.org/pasc17_program/views/at_a_glance.html)

\(^4\) https://www.ecmwf.int/escape