PRACE
in Numbers

PRACE

PRACE provides world-class HPC services and systems to enable Europe's best and most important science. With so much calculating power in the PRACE portfolio, data on PRACE itself has become increasingly significant. This data highlights the impact of PRACE on HPC-based research, on HPC know-how in Europe, and on European industry engagement in HPC.

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PRACE in Numbers...

Since 2010 PRACE has allocated over **14 thousand million core hours** on **7 worldclass machines** with a total capability of nearly **60 Petaflops**. These machines are hosted in **5 EU Member States**: France, Germany, Italy, Spain and Switzerland. Resources have been awarded to **524 scientific and industrial projects** from **38 countries**.

▶ **The PRACE Key Performance Indicators –** approved by the PRACE Council in 2014 and covering the first half of the PRACE initial period up to the 5th PRACE Call for Proposals for Project Access – tell us that:

- Two-thirds (**63%**) of the resources awarded under the Early Acess Call through the 13th Call, are awarded to "foreign projects" (i.e. projects with PIs from a different country (recorded as the primary institution of the PI) than the machine on which the research is executed.)

- Around **40%** of PIs who submitted to the most recent Calls for Proposals for Project Access were recurrent applicants.

- PRACE has awarded over **60** industrial projects for a total of almost **400M** core hours to **56** unique companies.

- PRACE has supported **158** PhD theses, **507** publications and **719** scientific talks.

- **2** patents resulting from projects supported by PRACE have been filed.

The total funding of the PRACE Projects amounts to **€132M** over 9 years (2010 – 2019) of which **€97M** is provided by the European Commission (EC). The PRACE Hosting Members contributed a total of **€400M** during the first phase of PRACE, which started in 2010, for free of charge access.

▶ **PRACE is training** is training the next generation of HPC experts. Between March 2012 and July 2015 the PRACE Advanced Training Centres:

- Organised **274** PATC courses with **786** training days.

- Welcomed **7 350** unique individuals to their courses.

- Provided **29 595** participant-days of training.

PRACE also organises seasonal schools, workshops, campus schools and more. PRACE is an organising partner of the International HPC Summer School.

▶ **Throughout the Implementation Phases**, over 253 White Papers, 19 Best Practice Guides, 18 Newsletters, 10 User Documentation packages, 6 PRACE Digest magazines, 5 Annual Reports, 1 Scientific Case, 1 Special Report and countless press releases were produced and published.

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