

[Find out how HPC4E did in its first year](#)



On January 2017, a panel comprising both European and Brazilian reviewers assessed the progress of the [HPC4E project](#) –coordinated by BSC- at the first technical review meeting held in France. Three independent reviewers appointed by the EC and two by [RNP](#) learned about the progress of every work-package, how industry and academia are collaborating and how the team is working on applying new “towards-exascale” HPC techniques to energy industry simulations.

Carlos Morais-Pires, EC Project Officer, and Wanderson Paim de Jesus, R&D Project Manager at RNP, held the review meeting, which was attended by 40 team members from Europe and Brazil.

Morais-Pires highlighted collaboration within the project, its use of HPC to innovate with industry and its multidisciplinary composition. Morais-Pires added, “HPC4E is an important contribution to the exascale strategy that Europe has engaged”.

Paim de Jesus stressed the fact that this was the first time that the Brazilian agency was taking part in this kind of technical reviews and celebrated the spirit of collaboration between partners.

The HPC4E dissemination team took the opportunity to interview the EC Project Officer, the EU and Brazilian coordinators and the RNP Project Manager. Find out what they had to say in the video below.



About HPC4E

The [HPC for Energy](#) (HPC4E) project aims to apply the new exascale HPC techniques to energy industry simulations, customizing them, and going beyond the state-of-the-art in the required HPC exascale simulations for different energy sources: wind energy production and design, efficient combustion systems for biomass-derived fuels (biogas), and exploration geophysics for hydrocarbon reservoirs.

The project presented on November [a short video](#) on the challenges that our society faces in energy production and consumption and how exascale supercomputing helps to address them. The first showing of the video took place at the SC16 conference (Salt Lake City, USA), at the BSC booth.

The Barcelona Supercomputing Center (EU) and COPPE (Brazil) coordinate the HPC4E project. The Consortium consists of 13 partners, 7 from Europe and 6 from Brazil, with different organizational cultures (universities, research centres, supercomputing facilities and industry) that contribute to the project with complementary expertise.

The HPC4E project has received funding from the European Union's Horizon 2020 Programme (2014-2020) and from Brazilian Ministry of Science, Technology and Innovation through Rede Nacional de Pesquisa (RNP), grant agreement n° 689772.

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