



Press release
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SHAPE Third Call Selects Eight Innovative Projects from European SMEs

SHAPE (SME HPC Adoption Programme in Europe) is a pan-European programme supported by PRACE which aims to raise awareness and provide European SMEs with the expertise necessary to take advantage of the innovation possibilities created by HPC, thus increasing their competitiveness. Following the success of previous calls, PRACE aisbl launched a third SHAPE call for proposals. This call opened on 16 November 2015 and closed on 14 January 2016. The Selection Committee, made up of representatives of the PRACE Industrial Advisory Committee (IAC), the PRACE Board of Directors (BoD) and the PRACE IP Project, reviewed all applications and awarded eight innovative projects submitted by European SMEs for access to PRACE systems.

The eight awarded projects from four different countries are:

Company	Country	Project Title
ACOBION	France	MARS (Matrix of RNA-Seq)
Airinnova AB	Sweden	High level optimization in aerodynamic design
AmpliSIM	France	DemocraSIM: DEMOCRatic Air quaility SIMulation
ANEMOS SRL	Italy	SUNSTAR: Simulation of UNSteady Turbulent flows for the AeRospace industry
BAC Engineering Consultancy Group	Spain	Numerical simulation of accidental fires with a spillage of oil in large buildings
Creo Dynamics AB	Sweden	Large scale aero-acoustics applications using open source CFD
FDD Engitec S.L.	Spain	Pressure drop simulation for a compressed gas closed system
Pharmacelera	Spain	HPC methodologies for PharmScreen

The SMEs leading these projects come from a diverse range of industries, including medicine, aerodynamic engineering, climate modelling, aerospace, energy, aero-acoustics, aeronautics, and drug discovery.

“As former Vice-Chair and current Chair of the PRACE Industrial Advisory Committee, I am pleased to see the growing uptake of HPC by European SMEs,” said Anders Rhod Gregersen of Vestas Wind Systems A/S. “Much of Europe’s innovation comes from SMEs and start-ups and the HPC support offered by PRACE will certainly encourage this further.”



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Several projects will be using Open Source software or commercial HPC applications with the involvement of the software vendors. They will receive support and expertise via PRACE Preparatory Access Type C to port, develop, and optimise their codes through the PRACE-4IP project, which is funded by the European Commission's Horizon 2020 research and innovation programme (2014-2020) under grant agreement 653838.

SHAPE (SME HPC Adoption Programme in Europe) is a pan-European programme supported by PRACE. The Programme aims to raise awareness and provide European SMEs with the expertise necessary to take advantage of the innovation possibilities created by High-Performance Computing (HPC), thus increasing their competitiveness. The programme allows SMEs to benefit from the expertise and knowledge developed within the top-class PRACE Research Infrastructure. Since its inception in 2014, SHAPE has supported projects from close to 30 European companies. For more information, see www.prace-ri.eu/shape/.

About PRACE

The Partnership for Advanced Computing in Europe (PRACE) is an international non-profit association with its seat in Brussels. The PRACE Research Infrastructure provides a persistent world-class high performance computing service for scientists and researchers from academia and industry in Europe. The computer systems and their operations accessible through PRACE are provided by 4 PRACE members (BSC representing Spain, CINECA representing Italy, GCS representing Germany and GENCI representing France). The Implementation Phase of PRACE receives funding from the EU's Seventh Framework Programme (FP7/2007-2013) under grant agreement RI-312763 and from the EU's Horizon 2020 Research and Innovation Programme (2014-2020) under grant agreement 653838. For more information, see www.prace-ri.eu

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Or contact **Marjolein Oorsprong**, Communications Officer:

Telephone: +32 2 613 09 27 E-mail: [communication\[at\]prace-ri.eu](mailto:communication[at]prace-ri.eu)