

EoCOE_III: FOSTERING THE EUROPEAN ENERGY TRANSITION WITH EXASCALE

Description

The project [EoCoE-III](#) (Energy-oriented Centre of Excellence for Exascale HPC applications) applies cutting-edge computational methods in its mission to foster the transition to decarbonized energy in Europe. The present project will draw the experience of two successful previous projects EoCoE-I and EoCoE-II, where a set of diverse computer applications from four energy domains achieved significant efficiency gains thanks to its multidisciplinary expertise in applied mathematics and supercomputing. During this 3rd round, EoCoE-III will channel its efforts into 5 exascale lighthouse applications optimising energy consumption and covering the key domains of energy materials, water, wind and fusion.

The project EoCoE-III will have a duration of 3 years, with a total budget of €5.998.791,25 provided by [Horizon Europe](#).

The project gathers a consortium of 18 complementary partners from 6 countries that will form a unique network of expertise in energy science, scientific computing and HPC.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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