

Q1 What is your organisation's/project's name?

IFP Energies nouvelles

Q2 Your organisation's/project's website

<http://www.ifpenergiesnouvelles.com/>

Q3 Are you?

A research organisation

Q4 Your name

Q5 Your email address

Q6 Your contact phone number

Q7 Please summarise who you are and what you do

IFP Energies nouvelles is a public industrial and commercial establishment, under the authority of the French Minister in charge of Ecology, Sustainable Development and Energy.

IFPEN is a major research and training player in the fields of energy, transport and the environment. From research to industry, technological innovation is central to all its activities.

IFPEN develops and co-develops several high performance applications, which contribute to the achievement of its strategic priorities. The aim is to be able to simulate more and more complex phenomena in a reasonable time. The contributions of IFPEN cover the full spectrum from Fundamental research to its validation on real-world applications in partnership with industrial partners.

Q8 In what way would like to contribute to an EsD project? **An an application provider** ,
As a HPC user

Q9 What would be your contribution to an EsD project?

IFPEN contribution will be to run our simulators that are based on real-world applications at an extreme scale on available supercomputer.

Our contribution will permit us to adapt our simulator codes and access hardware resources to meet big data and high performance computing challenges.

We need to join our efforts together to provide our knowledge in different kind of simulation codes:

multi-scale modeling of fluid/particles flows,

Offshore wind power,

CO2 storage,

Energy storage,

Internal combustion engine.

Q10 What partners are you looking for?

System integrator

Q11 Please include links to any additional material.

No other additional material currently.

Q12 Other comments/ideas

Respondent skipped this question
