
Page 1: Please provide the information requested below....

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

Ani Anciaux-Sedrakian

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 could contribute with its real-world applications around sustainable mobility, new energies and responsible oil and gas topics.

Example of simulators which deals with these topics are:

Multi-scale modeling of fluid/particles flows, offshore wind power, CO2 storage, energy storage or Internal combustion engine.

Our contribution will permit to adapt the simulator codes for addressed extreme scale hardware resources. We need to join our efforts together to attain the objective of big data and high performance computing challenges.

Q10 What partners are you looking for?

Scientific academies, technology provider and system integrator

Q11 Please include links to any additional material.

No more additional material

Q12 Other comments/ideas

Respondent skipped this question
