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## Partner search

Date (18-06-20)

- (\*) Indicate numbers of relevant topics for Green Deal call:

LC-GD-2-1-2020

- Quick description of the project

(describe the objectives, activities, partners requested and their skills)

- (\*) Do you intend to apply as ? :

Coordinator: No

Participant: Yes

(\*) Either Description of the expertise requested (up to 1000 characters) - *specify which points of the "expected impact" of the call you are targeting*

Xxxxxxxxxx

+ key words :

Or Description of the expertise proposed (up to 1000 characters) - *specify which points of the "expected impact" of the call you are targeting*

### General expertise :

Our research team studies **optimization problems** that occur in industry and administration to design and operate management, transportation, distribution, or production systems. Optimization concerns every stage of the **decision-making process**: investment budgeting, scarce resources management, long term or day-to-day operations planning. Our research goes from the **mathematical characterization of problems** to the **implementation of optimization algorithms**.

More information on : <https://realopt.bordeaux.inria.fr/>

### Specific contribution to the call :

When decision makers optimize the production of energy, they face numerous challenges, including uncertainty of both production and consumption. Our team has developed skills in robust and stochastic optimization to solve large-scale problems with uncertain data in which one minimizes costs while ensuring the technical feasibility of some decisions. We have collaborated on this topic with large French companies such as EDF and RTE.

**Targeted impact** : "It should increase incentives for investment and economies of scale in offshore bringing down costs and create new business models and services."

+key words : optimization problems, mathematical characterization, support to decision making

Organisation information



<b>Organisation and country: Inria – Institut national de recherche en informatique et automatique. France</b>
<b>Type of organisation:</b> <input type="checkbox"/> Enterprise <input type="checkbox"/> SME <input type="checkbox"/> Academic <input checked="" type="checkbox"/> Research institute <input type="checkbox"/> Public Body <input type="checkbox"/> Other: Association
<b>Former participation in FP European projects?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Web address: www.inria.fr</b>
<b>Description of the organisation:</b> Inria is the French national research institute for digital science and technology. World-class research, technological innovation and entrepreneurial risk are its DNA. In 200 project teams, most of which are shared with major research universities, more than 3,500 researchers and engineers explore new paths, often in an interdisciplinary manner and in collaboration with industrial partners to meet ambitious challenges. As a technological institute, Inria supports the diversity of innovation pathways: from open source software publishing to the creation of technological startups (Deeptech).

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**(\*) –Mandatory**