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pcn-energie@recherche.gouv.fr

**Partner search**

**Date (DD-MM-YY)**

* **(\*) Relevant topic in work programme**

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| **LC-GD-1-1-2020:** Preventing and fighting extreme wildfires with the integration and demonstration of innovative means |

* **Quick description of the project**

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

**Participant : Yes**

**Coordinator :** ~~No~~

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

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

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| Production, maintenance and dissemination of geographic and forest reference databases (land use planning, risk prevention, environment, agriculture…)Design and build a geodetic infrastructure consistent with international systems Management of the national geographical, gravimetric and height reference systemCollection and processing of georeferenced 3D data (Photogrammetry, LIDAR technology)Regular aerial photographic coverage of the entire national territory (geometrically corrected aerial photography)Exploiting satellite images for geographic information and cartography (the use of AI is part of our expertise)Automatic evaluation and analysis of biomass data by Deep LearningDigitization of old maps and aerial photosResponsible for the annual permanent inventory of forest resources (BDIFF / BD Forêt)Strong involvement in community sourcing Long experience in the support of public policies**+key words :** Climate risk assessment, continent-wide harmonised authority data, metrology, geovisualisation, simulation, 3D, AI, Deep Learning, city, forest and land monitoring, urban planning, agriculture, … |

**Organisation information**

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| **Organisation and country: Institut national de l’information géographique et forestière (IGN) - FRANCE** |
| **Type of organisation:****□** Enterprise □ SME □ Academic □Research institute **□ Public Body □** Other: Association |
| **Former participation in FP European projects?****□ Yes □** No |
| **Web address:**<http://www.ign.fr/> (FR) / <http://www.ign.fr/institut/en> (EN) |
| **Description of the organisation:**IGN (French mapping agency) is the official reference for geographic and forest information in France, certified to be neutral and interoperable. The institute is constantly developing new reference databases, products and geoservices, to meet the country's growing and changing needs for map data and geographic information. |

**(\*) Contact details**

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| **Country** | **FRANCE** |

**(\*) –Mandatory**