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Horizon2020@recherche.gouv.fr

**Partner search**

**Date (14-09-2020)**

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

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| **LC-GD-5-1-2020** |

* **Quick description of the project**

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| A clear commitment of the European Green Deal is that “transport should become drastically less polluting”, highlighting in particular the urgent need to reduce greenhouse gas emissions (GHG) in aviation. Actions should perform large-scale, real-life high TRL (6 or above) demonstrations of green airports, addressing all of the following four headings, collectively describing the various airport aspects to be considered: 1) Transport, 2) Terminal, 3) Energy and 4) Cross-cutting aspects. |

* **(\*) 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***

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| **NA**  **+ key words : NA** |

**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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| **Expected impact targeted:**  Green airports and ports as multimodal hubs, optimising passenger and freight flows for low emission mobility, in a context of much stricter public health criteria;  **Expertise proposed:**  Innovative digital / satellite solutions, including new traffic optimization tools for multimodal access, passenger and freight flows to and from the airport, as well as between airports  Process optimization tools proposed:   * Taxiway separation management runway supervision + camera + 4D airport model + IA * Monitoring of arrivals and departures means of optronic detection + IA * Training and simulation of operations during an airport digital twin crisis model * Monitor passenger flows in real time, runway supervision + camera + 4D airport model + IA   **+key words :** 3D Platform, 3D Digital twin, Big Data, GIS, Virtual Reality, Augmented Reality, SmartCity, Climate Change, Security |

**Organisation information**

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| **Organisation and country:**  **IGO France** |
| **Type of organisation:**  **□ Enterprise ⌧SME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **□ Yes ⌧ No** |
| **Web address:**  https://www.igo.fr/fr |
| **Description of the organisation:**  IGO offers strong expertise and 3D geospatial technologies to facilitate access to increasingly massive technical data, enhance it and transform it into decision support and application. IGO helps its customers in their digital transformation to meet the major challenges of SmartCity, climate change or its security.  The Team brings together expertise and a knowledge that cover the entire value chain of the digital model / 3D cartographic platform.  Data with very strong skills in topography, geographic information and the structuring of heterogeneous and massive geographic data,  3D Photogrammetry process to build accurate 3D digital twin from images (space, aerial, terrestrial) : local area, city, large territory. Scalable, fast processing.  the development of real-time 3D cartographic applications: Collaborative platforms, interactive digital models, digital system for Decision-Making process, tactile interfaces, Smartphones, Virtual & Augmented Reality |

**(\*) Contact details**

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**(\*) –Mandatory**