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Horizon2020@recherche.gouv.fr

**Partner search**

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

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

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| LC-GD-7-1-2020 : Ecosystems and Biodiversity (en lien avec l'agriculture)  LC-GD-9-2-2020 : Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation  LC-GD-11-1-2020 : Accelerating the green transition and energy access Partnership with Africa |

* **Quick description of the project**

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

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

**Coordinator: Yes**

**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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| We wish to pursue the European project WADI, increase its TRL and incorporate it in a bigger ecosystem. WADI, an airborne platform using plane and drone detect leak in rural or hard to control environment but can also be used to control field irrigation. This has a substantial impact on agriculture yield, preservation and detection of water and groundwater and biodiversity damage anticipation. We need to build a large scale (several ha) platform to simulate all types of leaks. Such a platform does not exist. We need to find expertise in field of irrigation and agriculture, geology and underground network cartography, water network and infrastructure builder, smart flowmeter, airborne platform integrator and optimizer, biodiversity protection.  **+ key words : Leak detection – water control – agriculture – underground water – biodiversity – prevention** |

**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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| **+key words : Leak detection – airborne platform -** |

**Organisation information**

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| **Organisation and country: ONERA, FRANCE** |
| **Type of organisation:**  **□ Enterprise □ SME □ Academic xResearch institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **x Yes □ No** |
| **Web address:**  https://www.onera.fr/fr and <http://www.waditech.eu/> |
| **Description of the organisation:**  ONERA is a public, scientific and technical establishment in France with 2000 employees including 1500 scientists, engineers and technicians. ONERA reports to the French Ministry of Defense (MoD) and enjoys financial independence with both industrial and commercial responsabilities. The expertise of ONERA covers all the scientific disciplines involved in aircraft , spacecraft design . It makes ONERA an essential partner to the French and European aeronautics and space community. ONERA--‐DOTA (AppliedandTheoreticalOpticsDepartment) has a recognized expertise in the field of airborne optics instruments and in the preparation of new space missions. It contributes in the field of environmental domains: urban/rural environments, industrial pollution and ground surface humidity. |

**(\*) Contact details**

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**(\*) –Mandatory**