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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-2-3-2020 : Accelerating the green transition and energy access Partnership with Africa  LC-GD-7-1-2020 : Restoring biodiversity and ecosystem services  LC-GD-9-2-2020 : Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation |

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

**Organisation information**

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| **Organisation and country: AIR MARINE, FRANCE** |
| **Type of organisation:**  **□ Enterprise x SME □ Academic □ Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **x Yes □ No** |
| **Web address:**  <https://www.air-marine.fr> and <http://www.waditech.eu/> |
| **Description of the organisation:**  AIR MARINE has been working in aerial work for the last 30 years. Its tasks regard industrial installations protection. Its main job is to prevent any physical aggression on the high pressure pipes ferrying petroleum products. It does so by overflying every day of the year this complex net, looking for encroachments which might threaten the integrity of the pipes. When a threat is detected, AIR MARINE reports in the fastest way to the customer who acts in turn. The company reaches more than 99% mission success rate all along the year  AIR MARINE masters the use of light aircrafts and drones in aerial works. Its fleet numbers 6 aircrafts today, 3 CESSNAs 177 RG, known to be reliable and trustworthy and 3 brand knew TECNAM P2006T twin engine aircrafts. Every day, AIR MARINE aircrafts fly more than 8 hours in average. AIR MARINE uses as well 5 drones to fulfil inspection missions. The present rate is one mission a week, in constant augmentation.  AIR MARINE uses several technical means in order to detect, identify and monitor infrastructure or the environment from its aircrafts by using multiple type of sensors such as EO, NIR, LWIR sensors or LiDAR.  The expertise of AIR MARINE covers all the technical and operational disciplines involved in aircraft design and deployment. It makes AIR MARINE a major partner for the French and European aerial operations. AIR MARINE has a recognized expertise in the field of airborne sensors integration and in the preparation of new aerial 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**