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**Partner search**

**Date (20-07-20)**

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

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| **LC-GD-8.1** |

* **Quick description of the project**

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| Impact of anthropogenic metallic radionuclides on the environment and ecosystems. Description of the chemical transfer mechanisms from the accidental sources to the biotope. The chemical forms of the species in the various compartments are described using a tool box of spectroscopic and analytical techniques. In the longer run, the environment impact at various scales may be discussed. |

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

**Coordinator: Yes/No**

**Participant: Yes/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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| **Xxxxxxxxx**  **+ 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***

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| We are specialized in the investigation of the mechanisms of transfer and accumulation of metallic radionuclides in the biosphere. Metallic radionuclides may be released at large scale during a nuclear event and transferred from the source point to the environment. Spectroscopic and analytical techniques are used in pseudo natural conditions in order to fully describe the chemical species (and their mobility) in the various compartments. We have focused lately on seawater and model species (like sea urchins) that are considered as model species for bioaccumulation processes. X-ray Absorption Spectroscopy is at the centre of our spectroscopic investigation to determine the speciation of the metallic radionuclides.  **+key words : radio ecology, environmental radiochemistry, nuclear chemistry** |

**Organisation information**

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| **Organisation and country:**  Université Côte d'Azur, Institut de Chimie de Nice, France |
| **Type of organisation:**  **□ Enterprise □ SME x Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **x Yes □ No** |
| **Web address:**  http://web.univ-cotedazur.fr/labs/icn/fr/equipes/radiochimie-humaine-et-environnementale |
| **Description of the organisation:**  The Human and Environmental Radiochemistry team of ICN is composed of 5 University researchers and 1 CNRS engineer. |

**(\*) Contact details**

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| **Country** | France |

**(\*) –Mandatory**