**Partner search**

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

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

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| **LC-GD-3.2:** Demonstration of systemic solutions for the territorial deployment of the circular economy |

* **Quick description of the project**

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

* **(\*) 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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| **+ 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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| Towards demonstration for a Circular Economy:* On Advanced Polymer and Composites : **Tools and expertise for converting Polymer-based materials processing characterization using batch or continuous reactors**
* From proof of concept to demonstration.
* By developing smart process: **Tailor-made solutions to help and advice online analysis development projects.** Monitoring & process control technologies.
* By clean technology technologies development: **Analysis of effluents and pollutants. Treatment of liquid effluents and recovery of pollutants by biological or physicochemical means.**

+key words :**Circular Economy, advanced materials, Recycling, online analysis, process monitoring, process control, data, digital, water treatment, zero pollution** |

**Organisation information**

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| **Organisation and country:**Axel’One is the French collaborative platform for innovation in Chemistry & Environment |
| **Type of organisation:****□ Enterprise □ SME □ Academic □Research institute □ Public Body □Other: Association** |
| **Former participation in FP European projects?****□ Yes □ No** |
| **Web address:**<https://axel-one.com/> |
| Axel’One is the French collaborative innovation platform in the Chemistry and Environment sector created in 2011 and dedicated to smart processes and innovative materials. Located in Lyon, Auvergne-Rhône-Alpes Region. Axel’One is an independent association (French law 1901, private and public partnership) whose main missions are to provide shared facilities, tools and services for collaborative research and development projects. In 2020, Axel’One hosts around 20 SMEs and provides its services to 30 collaborative projects representing more than 250 people located on the platform (4.9 M€ turn over).The platform offers access to 40 M€ shared tools from basic research to the pre-industrial stage (from TRL 3 to 7) in the field of catalysis, smart processes, on-line analysis, digital solutions and advanced materials. Spread over 3 different sites (9000 m²), its activities support industrial companies from the chemical, petrochemical, pharmaceutical sectors, but also with other industrial sectors such as textile & composite, recycling, water treatment, energy and building industries.Circular Economy, Clean and biobased technologies are major boosters of open innovation within the eco-system of Axel’One |

**(\*) Contact details**

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**(\*) –Mandatory**