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**Partner search**

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

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

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| LC-GD-6-1-2020: Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy  LC-GD-8-1-2020: Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals |

* **Quick description of the project**

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* **(\*) 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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**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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| Department of Horticulture, Czech University of Life Sciences Prague can offer a broad expertise in plant production (phytotrons, greenhouse, experimental plots, field experiments: conventional, integrated and organic farming production in identical soil and climate conditions at Troja farming area).  Specific interest is focused on investigation and development of biocontrol approaches to protect plants from the infection by bacterial and fungal phytopathogens.  Expertise include: mechanisms of biocontrol of phytopathogens by bacterial and fungal antagonists,  isolation of antagonistic microorganisms from the environment, growth of bacterial and fungal microorganisms on solid media and in liquid media, inoculation of plants, evaluation of plant infections,  investigation of antagonistic interactions: dual culture assays on solid and in liquid media, metabolome profiling (extraction and detection of the metabolites involved).  Key words : biocontrol, phytopathogens, infection evaluation, dual culture assays, bacterial and fungal antagonists, antagonistic interactions, metabolome profiling |

**Organisation information**

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| **Organisation and country:**  **Czech University of Life Sciences Prague (CZU), Czech Republic** |
| **Type of organisation:**  **□ Enterprise □ SME X Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **x Yes □ No** |
| **Web address:**  <https://www.czu.cz/en/> |
| **Description of the organisation:**  The Czech University of Life Sciences Prague (CZU) is a public university consisting of of 6 Faculties and 1 Institute: Faculty of Agrobiology, Food and Natural Resources (FAFNR); Faculty of Economics and Management; Faculty of Engineering; Faculty of Environmental Science; Faculty of Forestry, Wildlife and Wood Sciences; Faculty of Tropical AgriSciences and Institute of Education and Communication. There are 26 000 enrolled students including 2850 international students and 2 500 professors, assistants, lecturers & support staff at the CZU. Research teams from CZU participated in 14 H2020 projects, either as coordinators or partners:   * [PRO-METROFOOD: Progressing towards the construction of METROFOOD-RI](https://cordis.europa.eu/project/id/739568) * [LEAP4FNSSA: Support to the implementation of the Long-term EU-AU Research and Innovation Partnership for Food and Nutrition Security and Sustainable Agriculture](https://cordis.europa.eu/project/id/817663) * [PROIntensAfrica: Towards a long-term Africa-EU partnership to raise sustainable food and nutrition security in Africa](https://cordis.europa.eu/project/id/652671) * [VALUMICS: Understanding food value chains and network dynamics](https://cordis.europa.eu/project/id/727243) * [EJP SOIL: Towards climate-smart sustainable management of agricultural soils](https://cordis.europa.eu/project/id/862695) * [HEDIMED: Human Exposomic Determinants of Immune Mediated Diseases](https://cordis.europa.eu/project/id/874864) * [METROFOOD-PP: METROFOOD-RI Preparatory Phase Project](https://cordis.europa.eu/project/id/871083) * [FRAMEwork: Farmer clusters for Realising Agrobiodiversity Management across Ecosystems](https://cordis.europa.eu/project/id/862731) * [BASE-LiNE Earth: Brachiopods As SEnsitive tracers of gLobal marINe Environment: Insights from alkaline, alkaline Earth metal, and metalloid trace element ratios and isotope systems](https://cordis.europa.eu/project/id/643084) * [CARES: City Air Remote Emission Sensing](https://cordis.europa.eu/project/id/814966) * [MOVING: Mountain Valorization through Interconnectedness and Green Growth](https://cordis.europa.eu/project/id/862739) * [PoliRural: Future Oriented Collaborative Policy Development for Rural Areas and People](https://cordis.europa.eu/project/id/818496) * [TRACER: Smart strategies for the transition in coal intensive regions](https://cordis.europa.eu/project/id/836819) * [DRIFT-FOOD: ADVANCED TECHNOLOGIES FOR HIGH QUALITY, SAFE AND SUSTAINABLE REGIONAL FOOD PRODUCTION](https://cordis.europa.eu/project/id/952594) |

**(\*) Contact details**

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**(\*) –Mandatory**