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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-6-1-2020 : Testing and demonstrating systemic innovations for sustainable food from farm to fork** |

* **Quick description of the project**

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| **(describe the objectives, activities, partners requested and their skills)****We are seeking academic/research partners as well as private sector, that would cooperate on the development and testing of new applications. Typical partners from the private sector are agrofood or agrochemical companies.** |

* **(\*) 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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| **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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| **Nanotechnology team at FTZ has the following expertise:** 1. **We have a long track record in food processing and nanotechnologies. Our team consists of biochemists, chemists, mechanical engineers, biologists and botanists. We have long experience in development of new food formulations based on plant proteins (e.g. hemp and rapeseed protein concentrates and isolates). Together we can target one of the programme’s goals: *“new protein sources other than meat, sustainable food, sustainable healthy diets“.***

**2. The other know-how we can provide to the particular project is nanomaterial development (in powder or nanofiber form), nano- and microencapsulation of (bio)pesticides and the development of various HW application devices for the efficient and safe fertilization and plant protection. Here we could target another of the programme’s goals: *“reducing the use and increasing the efficiency of fertilizers; reducing the losses of nutrients from fertilisers, etc.*****+key words: sustainablefood, plant protein, micro- and nano materials/technologies/applications, encapsulation, pesticides reduction, biochemistry, engineering** |
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**Organisation information**

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| **Organisation and country:****Czech University of Life Sciences Prague, Czech Republic** |
| **Type of organisation:****□ Enterprise □ SME ◼ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?****□ Yes ◼No** |
| **Web address:****www.czu.cz** |
| **Description of the organisation:****More about the university at www.czu.cz** |

**(\*) Contact details**

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| **Country** | **Czech Republic** |

**(\*) –Mandatory**