



Crop Research Institute

Open Competition of the Researcher for the Supported Activity No. 1:

Work-stays of Post-docs from abroad in the Czech Republic

Mobility of Researchers to Support New Trends and Methods of Agricultural Research

International Mobility of Researchers and Operative and Administrative Officers at Research Institutes, Operational Programme Research, Development and Education

Name of the mobility: [Variation in regulatory ecosystem services in cereal crop fields](#)

Description of the mobility:

Regulatory ecosystem services represent an invaluable contribution of biodiversity to agriculture. In annual crops, these services include mainly pest and weed regulation. Invertebrates, mainly insects, play key role in ecosystem services provision. Carabid beetles are one of the dominant groups of invertebrates in arable fields. Many species are predatory and feed mainly on invertebrate pests, such as aphids and insect larvae, but many are predominantly granivorous, thus feeding on seeds of weeds. Probably the majority of species contribute to both regulation of pests and weeds as most carabids are quite opportunistic. Recent studies have shown that carabids are able to regulate weed seed bank as a result of seed feeding, but other studies seemed to find weak relationship between carabid abundance and seed removal. Greater insight is needed into factors that drive the variation in seed predation by carabids in time and space.

The objective of this mobility will be, by conducting field experiment in 15 cereal fields, to disentangle the role of factors at the landscape and field scale on regulatory ecosystem services, with particular emphasis on weed seed predation by carabid beetles.

Duration of the mobility: 3 months

The start date of the mobility: April 1, 2023

The applicant is required to meet the conditions set out in the attached document
Mobility Form Activity No. 1.

The application form with the attachments please submit before March 3 2023
to Ing. Kateřina Dostálová: dostalova@vurv.cz , +420 733 293 524

Selection procedure

For the selection of researchers is responsible Selection board of CRI. Decision of the Selection board confirms director of the institution. The decision is based on the information provided by the applicant. For each mobility is selected a candidate meeting all the conditions set (see Form for Activity No. 2). The procedure and the result of the selection process is recorded and published.

International Mobility of Researchers, Operational Programme Research, Development and Education:

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