Report on the outcomes of a Virtual Mobility[[1]](#footnote-1)

Action number: CA18221

Grantee name: Olga Jovanovic Glavas

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| **Virtual Mobility Details**  Title: Review of the life history trait database for model species elaboration  Start and end date: 08/01/2024 to 05/02/2024 |
| **Description of the work carried out during the VM**  Description of the virtual collaboration and activities carried out during the VM, with focus on the work carried out by the grantee. Any deviations from the initial working plan shall also be described in this section.  *(max. 500 words)*  Throughout the duration of the Action, multiple Short-Term Scientific Missions (STSMs) were conducted with the primary objective of gathering life history data on amphibian and reptile species within agricultural landscapes. The overarching aim was to construct a comprehensive database that amalgamates all the acquired information. Having successfully executed these data collection initiatives, the next phase involved a meticulous evaluation of the results, followed by the standardization of the gathered data.  Given that the original data consisted of three different tables, first task was to merge all the data and correct inconsistences, if present. Upon that, to each of the traits, a susceptibility level was added (individual, population or both, individual and population) as well as whether the impact would have direct or inverse effect.  Once this table was completed, all the data available for the traits of interest were extracted from the original document and sorted. In total, for all 18 amphibian species included in the first version of life-history traits for species in agricultural landscape, a 136 data points were recorded. For reptiles, for 35 species there were 348 data in total, and for eight reptile species there were no existing data of interest (i.e. *Anguis graeca, Anguis cephallonica, Tarentola mauritanica, Ablepharus budaki, Podarcis lipoleis, Anguis colchica, Podarcis guadarramae, Podarcis vaucheri*).  Most traits with available data for our species of interest, both amphibians and reptiles, refer to reproduction (e.g. time at sexual maturity, clutch size…), while data on metabolism (i.e. daily food intake rate, assimilation efficiency, daily energetic expenditure, and dermal absorption rate) are not available for any of the selected amphibian and reptile species. |
| **Description of the VM main achievements and planned follow-up activities**  Description and assessment of whether the VM achieved its planned goals and expected outcomes, including specific contribution to Action objective and deliverables, or publications resulting from the VM. Agreed plans for future follow-up collaborations shall also be described in this section. |
| *(max. 500 words)*  The main goal of the VM was to facilitate the continuation of work previously initiated during the course of the action. The data obtained will assist in identifying and proposing potential indicator and focal species for post-registration monitoring of the effects of pesticides on amphibians and reptiles, which are highly important non-target organisms that can be affected by their use. Currently, both amphibians and reptiles are not included in any legal framework for the risk assessment of pesticides, despite clear indications that they are affected by them.  In this context, obtaining this data is of crucial importance in order to fulfil the main goal of this Action. The data obtained during this VM will be presented at the preparatory meeting in Nijmegen, Netherlands, where further discussion will proceed. Final conclusions on these issues will be summarized during the closing meeting of the Action, which will take place in Dessau, Germany. |

1. This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant. [↑](#footnote-ref-1)