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Project Acronym:	**EcoStack**
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Funding Scheme:	Research and Innovation Action (RIA)
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Project coordinator:	Prof. Francesco Pennacchio
Project coordinator organization:	Università degli Studi di Napoli Federico II

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Deliverable title:	EU-wide screening of invertebrate ESP species' ecotoxicology
Lead Partner for deliverable:	UCOI
Work package	WP7
Due date of deliverable:	09.09.2023
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Resubmission date:	
Dissemination level[1]:	PU

[1] *PU* *Public*

PP *Restricted to other programme participants (including the Commission Services)*

RE *Restricted to a group specified by the consortium (including the Commission Services)*

CO *Confidential, only for members of the consortium (including the Commission Services)*

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ADDITIONAL INFORMATION

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WP contributing to the deliverable:	7
Nature of the deliverable:	Database
Total number of pages:	5 (plus 24 Excel data files)
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DOCUMENT REVISION HISTORY

Version	Date	Author	Summary of main changes
1.0	09.09.2023	Ryszard Laskowski	All data files collected and standardized, the general description added
1.2	11.09.2023	Ryszard Laskowski	The deliverable checked and agreed by co-authors

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EU-wide screening of invertebrate ESP species' ecotoxicology

The deliverable is composed of this report and the associated set of Excel files containing the results of ecotoxicological tests for the effects of selected insecticides on ESP species. The objective of this deliverable is to provide original data from acute and semi-chronic laboratory tests on a few important beneficial species with broad geographic distribution, including those selected as model species for ALMaSS modelling. The data allow the evaluation of delayed effects and possible interactive effects of combined treatments for those pesticides that are commonly used in mixtures or sprayed next to each other in short time intervals, effectively exposing non-target arthropods to combined/sequential effects. This allows the evaluation of the frequency and magnitude of possible effects due to the interactions between different plant protection products, which are currently very poorly recognized, and producers are not obliged to test the effects of chemical mixtures.

The structure and contents of the deliverable

Due to the specificity of each bioassay, each data file contains the "Description" sheet where all details of the test and the exact meaning of data fields in the database are reported. This is followed by one or more datasheets, specifying, e.g., the concentrations used, individual endpoints and, in some cases, statistical estimates. Data files are named in a self-explanatory manner, starting with the name of the institution that produced the data (UC – University of Coimbra; UJA – Jagiellonian University), followed by the name of the tested species and names of tested products. The following files make up the deliverable:

1. UC_Apis_adult_chronic_oral_CLOSER.xlsx
2. UC_Apis_adult_chronic_oral_DURSBAN.xlsx
3. UC_Apis_adult_chronic_oral_KARATE.xlsx
4. UC_Apis_adult_chronic_oral_MOSPILAN.xlsx
5. UC_Apis_adult_chronic_oral_SHERPA.xlsx
6. UC_Apis_adult_oral_CLOSER.xlsx
7. UC_Apis_adult_oral_DURSBAN.xlsx
8. UC_Apis_adult_oral_KARATE.xlsx
9. UC_Apis_adult_oral_MOSPILAN.xlsx
10. UC_Apis_adult_oral_SHERPA.xlsx
11. UC_Apis_larvae_chronic_multiple exposure_CLOSER.xlsx
12. UC_Apis_larvae_chronic_multiple exposure_DURSBAN.xlsx
13. UC_Apis_larvae_chronic_multiple exposure_KARATE.xlsx
14. UC_Apis_larvae_chronic_multiple exposure_MOSPILAN.xlsx
15. UC_Apis_larvae_chronic_multiple exposure_SHERPA.xlsx
16. UJA_Amara_adult_topical_SHERPA_DURSBAN_MOSPILAN.xlsx
17. UJA_Harpalus_adult_topical_SHERPA_DURSBAN_MOSPILAN.xlsx
18. UJA_Nebria_adult_topical_SHERPA_DURSBAN_MOSPILAN.xlsx
19. UJA_Osmia_adult_oral_KARATE_CLOSER.xlsx
20. UJA_Osmia_adult_topical_KARATE_CLOSER.xlsx

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21. UJA_Osmia_adult_topical_SHERPA_DURSBAN.xlsx
22. UJA_Osmia_adult_topical_SHERPA_MOSPILAN.xlsx
23. UJA_Osmia_larvae_oral_SHERPA_MOSPILAN.xlsx
24. UJA_Poecilus_adult_topical_SHERPA_DURSBAN_MOSPILAN.xlsx

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