



D1.6 Data Management Plan - Update

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1.2	Final	2026 August 25	Nikol Stoykova, PENSOFT



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Key takeaway messages

- This document updates OneSTOP's first Data Management Plan (D1.5, M6), reflecting changes in the datasets and research outputs the project expects to generate and reuse, based on partner input covering M1-M17.
- Tables 1-3 have been revised, and two new tables (Tables 4 and 5) have been added to document the datasets and other research outputs already produced.
- Seventeen datasets and sixteen research outputs have been generated and deposited to date in trusted, indexed repositories, principally Zenodo.
- Outputs follow the OneSTOP data management recommendations: persistent identifiers are assigned where outputs are finalised, recognised (meta)data standards (DataCite, Darwin Core) are used, and open licences (predominantly CC BY, CC0 and MIT) are applied.
- A final DMP update (D1.7, M40) will present the complete set of datasets and outputs developed by OneSTOP and track how the DMP recommendations were applied across the project.

Executive summary

This deliverable (D1.6) is the first update of the OneSTOP Data Management Plan (DMP), following the initial version (D1.5) submitted in M6 (June 2025). Because the original DMP was prepared at the very start of the project, when information on the data and outputs to be produced was still limited, WP1 committed to revising it in M20 (August 2026). The current update reflects the changes and additional detail that have emerged since, drawing on information collected from project partners in June 2026 and covering activities carried out in M1-M17 (January 2025-May 2026). Data management practices will continue to be monitored, with any further changes captured in the final DMP update, D1.7 (M40, April 2028).

Non-technical summary

OneSTOP is a European research project working to detect and manage invasive alien species. The project produces many results and a Data Management Plan explains how these are shared so others can use them. This document updates the first plan produced in June 2025, when it was not yet clear what data would be created. Based on information from all partners, it describes what has been produced so far, what is still expected, and how the data is stored and protected.

List of abbreviations

CC	Creative Commons
CC BY	Creative Commons Attribution
CC0	Creative Commons Zero (public domain)
DMP	Data Management Plan
DOI	Digital Object Identifier
DwC-A	Darwin Core Archive
EICAT	Environmental Impact Classification for Alien Taxa
ENA	European Nucleotide Archive
EU	European Union
FAIR	Findable, Accessible, Interoperable, Reusable
GBIF	Global Biodiversity Information Facility



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GDPR	General Data Protection Regulation
IAS	Invasive Alien Species
LL	Living Lab
PID	Persistent Identifier
SDM	Species Distribution Model



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1. Introduction

OneSTOP's first Data Management Plan (DMP, D1.5) was submitted in M6 of the project (June 2025). It is available in the Library section of the OneSTOP website (see [here](#)).

As this initial version was prepared at the very beginning of the project, when detailed information on the data and other research outputs to be generated and reused was still limited, WP1 committed to submitting an update to the DMP in M20 (August 2026, D1.6). This revised version is presented in the current document and it reflects any changes and additional information that have emerged since the submission of the first DMP.

The current update of the DMP is based on information collected from project partners in June 2026. To allow sufficient time for the deliverable to be compiled, reviewed, and submitted by August 2026, partners were asked to report only on activities and results produced in M1-M17 (January 2025-May 2026).

Specifically, partners were requested to: (1) describe the datasets and other research outputs already generated; (2) provide updates on the datasets and research outputs expected to be generated or reused during the remainder of the project; and (3) report any changes to their data management practices, including data storage, security measures, and compliance with the General Data Protection Regulation (GDPR).

Based on the information provided, this document presents updated versions of Tables 1, 2, and 3 from the original DMP. It also introduces two new tables: Table 4 (Summary of the datasets generated to date) and Table 5 (Summary of the other research outputs generated to date). These new tables provide an overview of the repositories where the datasets and research outputs have been deposited, together with the licences under which they are made available and the reuse support provided for them. No changes were reported in data storage mechanisms, security measures, and compliance with GDPR.

2. Updated Tables 1-3

In the first DMP, Tables 1-3 provided an overview of the research data and other research outputs that will be generated and reused throughout OneSTOP. Table 1 summarised the datasets that the project will generate, including information on their generation methods, formats, publication timeline, intended users, access conditions, licences, and points of access. Table 2 provided an overview of the external datasets that will be reused, together with their origin, ownership, access conditions, and licensing. Table 3 summarised the other research outputs that the project will produce, such as software, workflows, guidelines, reports, and policy briefs, including their planned delivery dates, access conditions, licences, intended users, and repositories where applicable.

Based on the information provided by the project partners in June 2026, updated versions of Tables 1, 2, and 3 are presented below. In the original DMP, the rows in these tables were ordered according to the planned due dates of the corresponding datasets and outputs. Since then, the due dates of several datasets and outputs have been revised, and additional entries have been identified and included. To maintain consistency with the original DMP, the original numbering of the tables has been retained despite these changes. Consequently, the order of the rows in the updated tables is no longer strictly chronological.



**Table 1: Summary of the data OneSTOP anticipates generating**

No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
1	Public Interest in Species of Union Concern (PISUC) - Moved to Table 4, No 12												
2	Stakeholder mapping and baseline surveys for LL members	INBO, MeiseBG, LUKE, CU, UoC, BIOPOLIS-CIBIO	T3.1	Survey	400 KB	.csv	Gender, Ethnicity	Organisation, Name	M40 (April 2028)	OneSTOP, Governmental and regulatory bodies	Open, anonymised	CC BY	Zenodo
3	IAS Distribution Models	BIOPOLIS-CIBIO	T5.1	Modelling, machine learning, statistical analysis	~1 TB	GeoTIFF (float; EPSG: 6933 / EASE-Grid 2.0)	No	No	M20 (August 2026)	Research and Technology groups; Industry and private sector	Open	CC0	Zenodo
4	Potential Introduction Risk Maps	BIOPOLIS-CIBIO	T5.1	Spatial mapping, risk assessment	250–500 MB	GeoTIFF (float; EPSG: 6933 / EASE-Grid 2.0)	No	No	M20 (August 2026)	Research and Technology groups, Industry and private sector	Open	CC0	Zenodo
5	iEcology data	MeiseBG	T2.3	Data aggregation and processing	~5 GB	.csv, .html, .png, .svg	No	Aggregated location	M20 (August 2026)	Research and Technology groups, Governmental and regulatory bodies	Open, anonymised	CC BY	Zenodo
6	GoogleTrend USA analysis - Moved to Table 4, No 14												
7	Automated IAS reports	UKCEH	T5.6	Data science pipeline	1-5GB	.html, .pdf	No	No	M40 (April 2028)	Research and Technology groups, Industry and private sector	Open	CC BY	Zenodo





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No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
8	Illumina sequence data (raw)	UKCEH	T2.2	Illumina Sequencing	20 GB per file	FASTQ	No	No	M24 (December 2026)	Research and Technology groups, Industry and private sector	Open	CC BY	Europe an Nucleotide Archive (ENA)
9	Amplicon Sequence Variant Tables	UKCEH	T2.2	Bioinformatics processed raw sequence data	1MB	.csv	No	No	M24 (December 2026)	Research and Technology groups, Industry and private sector	Open	CC BY	Zenodo, Github, GBIF
10	T6.2 Survey results	GF	T6.2	Survey	~5 MB	.xlsx ¹ , .pdf, .csv	No	No	M25 (January 2027)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0 or CC BY	Zenodo
11	Potential current and future distribution maps of terrestrial native species in Europe threatened by invasive alien species, and of the IAS threatening them	UNIVIE	T5.4	Modelling	2-3 TB	TIFF, .qs, Rdata	No	No	M26 (February 2027)	Research and Technology groups, Industry and private sector	Open	CC BY	Zenodo; Github

¹ The lead organisation has been asked to keep in mind the preference for using the .csv format, where feasible.





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No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
12	Horizon Scanning Output	MeiseBG	T5.3	Semi/automated workflow	1 MB	.csv	No	No	M32 (August 2027)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	Zenodo
13	Priority Species Database	BIOPOLIS-CIBIO	T5.5	Modelling, optimisation, prioritisation	~1 TB	Spatial ORDBMS, GeoTIFF, .csv	No	No	M33 (September 2027)	Research and Technology groups, Industry and private sector	Open	CC0	Zenodo
14	Results from a multi-stakeholder scenario workshop in LLs	INBO, MeiseBG, LUKE, CU, UoC, BIOPOLIS-CIBIO	T3.3	Questionnaire, Workshops	1 MB	.xlsx ²	No	No	M33 (September 2027)	Research and Technology groups, LL stakeholders	Open, anonymised	CC BY	Zenodo; TBD
15	Stakeholder feedback on experimentation in LLs	INBO, MeiseBG, LUKE, CU, UoC, BIOPOLIS-CIBIO	T3.2	Survey, Workshops, Direct feedback from LLs for FAQs	1 MB	.pdf (for FAQs and workshop minutes) ; .csv (for questionnaire data)	TBD	Yes	M36 (December 2027)	Research and Technology groups, LL stakeholders, Industry and private sector	Open	CC BY	Zenodo; TBD

² The lead organisation has been asked to keep in mind the preference for using the .csv format, where feasible.





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No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
16	CamAlien data	AU	T2.1	Vehicle-mounted camera, annotation using AI	20 TB	.jpg, .csv,	No	Potentially	After M37 (January 2028+)	Governmental and regulatory bodies, Industry and private sector	Open	CC BY	erda.au.dk , GBIF
17	AMI trap data	AU	T2.1	Insect camera trap, annotation	10 TB	.jpg, .csv	No	Yes	After M37 (January 2028+)	Industry and private sector	Open	CC BY	erda.au.dk , GBIF
18	Dataset UOC #1	UOC	T2.4	Observation data	TBD	.xlsx ³	No	Yes (IP address)	M38 (February 2028)	Research groups, society and general public	Open	CC0	iNaturalist, GBIF
19	Dataset UOC #2	UOC	T6.3	Interviews	TBD	.xlsx ³	No	Yes (name, surname, email)	M38 (February 2028)	Researchers, policy makers, managers	Only for OneSTOP	N/A	N/A
20	Maps of IAS potential distribution	UFZ	T5.2	Modelling	~50 kB/map	TIFF	No	No	M39 (March 2028)	Research and Technology groups, Governmental and regulatory bodies	Open	CC BY	Zenodo
21	Prioritisation maps for IAS management in Europe	UNIVIE	T5.4	Modelling	TBD	tiff, RData	No	No	M39 (March 2028)	Research and Technology groups, Industry and private sector	Open	CC BY	Zenodo & GitHub
22	Automated EICAT assessments	UKCEH	T4.4	TBD	1–5 GB	.html, .pdf	No	No	M40 (April 2028)	TBD	Open	TBD	TBD

³ The lead organisation has been asked to keep in mind the preference for using the .csv format, where feasible.





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No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
23	LL evaluation and optimisation	INBO, MeiseBG, LUKE, CU, UoC, BIOPOLIS-CIBIO	T3.4	Survey, focus groups, observation	1–10 MB	.doc, .pdf, .jpeg, .WAV	No	Yes	M40 (April 2028)	Government, industry, NGOs, researchers, public	Open, anonymised	CC BY	Zenodo; report appendices; TBD
24	Sentinel Gardens - PlantAlert	CU	T2.4	Shiny App, iNaturalist, Observation	1–10 MB	.pdf, .doc, .csv	TBD, depending on anonymisation	Potential, anonymisation is being considered	M40 (April 2028)	Governmental and regulatory bodies, Industry and private sector, Environmental and conservation groups, Research and technology groups, Society and the general public	Open	CC BY	iNaturalist; GBIF; Zenodo
25	Checklist of introduced and invasive species in Europe	INBO	T4.2	Data aggregation	10,000 records	DwC-A (csv+xml)	No	No	M22 (October 2026), with potential 6-months delay	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	GBIF
26	Multiple thematic checklists of IAS within Europe - now divided into specific country datasets (see No 28-32)												
27	Comparative Analysis of Invasive Species Demographics	UoE	T5.6	Database search and primary literature	50 MB	.xlsx ⁴	No	No	TBD	Research and Technology groups	Open	CC0	Zenodo

⁴ The lead organisation has been asked to keep in mind the preference for using the .csv format, where feasible.



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No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
28	Checklist of introduced and invasive species in Romania	INBO	T4.2	Data aggregation and validation	900 MB	DwC-A (csv + xml)	No	No	M20 (August 2026)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	GBIF
29	Checklist of freshwater fauna in Portugal	INBO	T4.2	Data aggregation and validation	100 MB	DwC-A (csv + xml)	No	No	M22 (October 2026)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	GBIF
30	Checklist of Portuguese fungi	INBO	T4.2	Data aggregation and validation	20 MB	DwC-A (csv + xml)	No	No	M22 (October 2026)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	GBIF
31	Checklist of marine species in Portugal	INBO	T4.2	Data aggregation and validation	150 MB	DwC-A (csv + xml)	No	No	M22 (October 2026)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	GBIF
32	Checklist of freshwater fishes in the Iberian Peninsula	INBO	T4.2	Data aggregation and validation	100 MB	DwC-A (csv + xml)	No	No	M22 (October 2026)	Research and Technology groups, Governmental and regulatory bodies	Open	CC0	GBIF
33	air-DNA datasets generated from Living Labs - this information was duplicated with the one in rows 8 and 9, so it has been omitted here.												





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No	Dataset name	Contact	Relevant task	Generated via	Size	Format	Sensitive data	Personal data	Publication timeline	Users	Type of access	Licence	Point of access
34	Sentinel Gardens - (Invertebrate) bioblitzes (may be multiple datasets)	CU, UoE, potentially INBO, MeiseBG, LUKE, UoC, CIBIO	T2.4	Shiny app and/or iNaturalist, Observation from other sources	~1–10 MB	.pdf, .doc, or .csv	TBD	Yes. May include usernames and locations depending on licences selected in iNaturalist	M40 (April 2028)	Governmental and regulatory bodies, Industry and private sector, Environmental and conservation groups, Research and technology groups, Society and the general public	Open	CC BY	iNaturalist; others (TBD)





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Table 2: Summary of the data OneSTOP anticipates reusing

No	Dataset name	Contact	Relevant task	Size	Format	Sensitive data	Personal data	Access	Origin	Ownership	Licence
1	Comparative Analysis of Invasive Species Demographics	UoE	T5.6	50 MB	.xlsx	No	No	Open	Primary literature	Public	Open Access licences
2	GBIF occurrence data from IAS in Europe - this information was duplicated with the one in row 4, so it has been omitted here.										
3	National lists of introduced and invasive species within Europe	INBO	T4.2	>100K records	.csv, .xml	No	No	Open	GBIF	Public	CC0
4	GBIF Occurrence data	NNIT, UNIVIE	T4.3, T5.4	>1M records	DwC-A	No	No	Open	GBIF	Various	CC licences
5	CHELSA Bioclimatic indices and future projections	BIOPOLI S-CIBIO	T5.1	~0.5 TB	GeoTIFF, NetCDF	No	No	Open	CHELSA	CHELSA Climate	CC BY
6	Land Use: current and future projections	BIOPOLI S-CIBIO	T5.1	~0.5 TB	GeoTIFF, NetCDF	No	No	Open	Link 1 ; Link 2 ; Link 3	Pacific Northwest National Laboratory	CC BY
7	Bioclimatic data - Part of row 5, Table 2.										
8	Species occurrence data - This dataset is not planned for reuse any longer.										
9	EEA Reference grid - Part of row 14, Table 2.										



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No	Dataset name	Contact	Relevant task	Size	Format	Sensitive data	Personal data	Access	Origin	Ownership	Licence
10	Mined social media data	MeiseBG	T2.3	~3 GB	.csv	No	Coordinates, usernames	Restricted	Wikidata, YouTube, Flickr, Bluesky, Mastodon, iNaturalist, GBIF, eBay	Respective platforms	According to respective platforms
11	Occurrence records (native, invasive alien species) - To avoid repetition, this has been merged with the information in row 4.										
12	Climate Data	UNIVIE	T5.4	285.09 KiB	.tiff	No	No	Restricted	CHELSA	CHELSA	CC BY
13	Protected Areas	UNIVIE	T5.4	1.3 GB	.fgbd	No	No	Open	WDPA	UNEP-WC MC	CC BY-NC
14	Land-cover data	UNIVIE	T5.4	5 GB	GeoTIFF	No	No	TBD	CORINE Land Cover	European Environment Agency (EEA)	TBD
15	Reclassified Global Land-Cover Plant Functional Type Dataset (1 km) for baseline (2015) and future SSP/RCP scenarios based on Chen et al. (2022, DOI:10.1038/s41597-022-01208-6) — From OneSTOP Project Task 5.1	UNIVIE	T5.4	3 GB	GeoTIFF	No	No	Open	Chen et al. (2022) and Task 5.1	Chen et al. (2022) and Task 5.1	TBD



**Table 3: Summary of the other research outputs OneSTOP anticipates generating**

No	Output name	Contact	Relevant task	Type of output	Delivery date	Access	Licence	Users	Point of access
1	OneSTOP alert tool - Moved to Table 5, No 4								
2	Species list repository - Moved to Table 4, No 9								
3	Conservation culturomics workflows	IBOT-CAS	T6.1	R scripts	M18 (June 2026)	Open	MIT (software); CC0 (data)	Research and technology groups	GitHub, Zenodo
4	iEcology workflow	MeiseBG	T2.3	R scripts	M20 (August 2026)	Open	MIT (software); CC0 (data)	Research and technology groups; Governmental and regulatory bodies	GitHub, Zenodo
5	eDNA samples	LUKE	T2.2	DNA samples collected by aerial spore/pollen trap	M24 (December 2026)	Physical samples, no direct access	N/A	Research and technology groups	N/A
6	eDNA workflow	LUKE	T2.2	Report / best practices	M24 (December 2026)	Open	CC BY	LL stakeholders, Industry and private sector	BioRxiv
7	Horizon scanning	MeiseBG	T5.3	Script	M32 (August 2027)	Open	MIT (software); CC0 (data)	Research and technology groups	Zenodo
8	Instrumentation Platform	Kinetics	T2.2	Hardware	M36 (December 2027)	Open	N/A	Living Labs	N/A
9	SDM workflow	UFZ	T5.2	R scripts	M39 (March 2028)	Open	CC BY	Research and technology groups	GitHub



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No	Output name	Contact	Relevant task	Type of output	Delivery date	Access	Licence	Users	Point of access
10	Prioritisation maps for IAS management in Europe	UNIVIE	T5.4	Workflow	M39 (March 2028)	Open	TBD	Research and technology groups	GitHub, Zenodo
11	Policy brief - Moved to Table 5, No 2, 3 and 9.								
12	Invasive Species Living Lab Guidelines	CU	T3.4	Guideline	M42 (June 2028)	Open	CC BY	Governmental and regulatory bodies; industry and private sector; environmental and conservation groups; research and technology groups; society and the general public	Zenodo
13	Shiny Apps (+ Android and iOS versions) for flatworms	UoE	T1.4	Shiny Web-app + Android + iOS versions	TBD	Open	TBD	Society and the general public	TBD
14	Reproducible publication workflows for IAS detection data and IAS checklists	INBO	T4.1, T4.2	Software (R code)	M24 (December 2026)	Open	MIT Licence	Industry and private sector; research and technology groups	GitHub



3. New Tables 4 and 5

To complement the updated overview of planned datasets and research outputs presented in Tables 1–3, this chapter introduces two new tables summarising the datasets and other research outputs generated during M1–M17. Table 4 provides an overview of the generated datasets, while Table 5 summarises the generated research outputs. Tables 4 and 5 track the implementation of the [data management recommendations](#) established in the first DMP. All datasets and research outputs have been deposited in trusted and indexed repositories, including Zenodo, GBIF and GitHub. Persistent identifiers have been assigned where the outputs are finalised, recognised metadata standards such as the DataCite Metadata Schema and Darwin Core Archive have been used, and outputs have been released under clear, permissive licences, predominantly CC BY, CC0 and the MIT Licence. In addition, supporting documentation has been provided to facilitate the interpretation, validation, and reuse of the published datasets and research outputs.





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Table 4: Summary of the datasets generated to date

No	Title of the dataset	Contact	Link to repository	Persistent identifier	Metadata standard	Metadata licence	Dataset licence	Format	Supporting documentation
##	What's the title of your dataset?	Who is responsible for finalising the dataset?	In which repository is the dataset deposited?	What is the dataset's persistent identifier?	What metadata standard did you follow?	Under what licence is the metadata available?	Under what licence is the dataset available?	What file format did you use?	Did you accompany your data with a separate document containing descriptive folder structure, names, headings, etc?
1	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): Historical Baseline (1981–2010)	BIOPOLIS -CIBIO	https://zenodo.org/records/17644815	10.5281/zenodo.17644814	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes
2	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): SSP1-2.6 Scenario (2041–2070)	BIOPOLIS -CIBIO	https://zenodo.org/records/17651614	10.5281/zenodo.17651613	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes
3	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): SSP3-7.0 Scenario (2041–2070)	BIOPOLIS -CIBIO	https://zenodo.org/records/17654440	10.5281/zenodo.17654439	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes





No	Title of the dataset	Contact	Link to repository	Persistent identifier	Metadata standard	Metadata licence	Dataset licence	Format	Supporting documentation
4	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): SSP5-8.5 Scenario (2041–2070)	BIOPOLIS -CIBIO	https://zenodo.org/records/17654923	10.5281/zenodo.17654922	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes
5	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): SSP1-2.6 Scenario (2071–2100)	BIOPOLIS -CIBIO	https://zenodo.org/records/17655051	10.5281/zenodo.17655050	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes
6	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): SSP3-7.0 Scenario (2071–2100)	BIOPOLIS -CIBIO	https://zenodo.org/records/17655228	10.5281/zenodo.17655227	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes
7	CHELSEA Bioclimatic and Environmental Predictors for Species Distribution Models (OneSTOP Project – Task 5.1): SSP5-8.5 Scenario (2071–2100)	BIOPOLIS -CIBIO	https://zenodo.org/records/17655356	10.5281/zenodo.17655355	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes





No	Title of the dataset	Contact	Link to repository	Persistent identifier	Metadata standard	Metadata licence	Dataset licence	Format	Supporting documentation
8	Reclassified Global Land-Cover Plant Functional Type Dataset (1 km) for baseline (2015) and future SSP/RCP scenarios based on Chen et al. (2022, DOI:10.1038/s41597-022-01208-6) — OneSTOP Project Task 5.1	BIOPOLIS -CIBIO	https://zenodo.org/records/17655743	10.5281/zenodo.17655742	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF (float; EPSG:6933 / EASE-Grid 2.0)	Yes. Zenodo record description + variable list in Notes
9	Species list for species distribution modelling in T5.1	BIOPOLIS -CIBIO	https://github.com/OneSTOP-CIBIO/Data/blob/main/Species_list_v5.xlsx https://github.com/OneSTOP-CIBIO/Data/blob/main/Species_list_v5.csv	A DOI will be added after updating the T5.1 distribution maps with the latest model outputs (expected by M20).	None formal (documented in repository README)	CC0 1.0 Universal	CC0 1.0 Universal	.xlsx and .csv	Yes. README.md / README.pdf (Species_list_EDA_v1)
10	GBIF publication including observations of alien plant species using a vehicle-mounted camera system in Flanders (Belgium)	INBO	https://www.gbif.org/dataset/9c85f295-cc92-473c-969a-bb5d3eccfd0b	10.15468/wdp283	DwC-A	CC0	CC0	.csv / .xml	Folder structure, names and headers are thoroughly described in the Darwin Core standard: https://dwc.tdwg.org/terms/ Rich metadata is included in the DwC-A.





D1.6 DMP - Update

No	Title of the dataset	Contact	Link to repository	Persistent identifier	Metadata standard	Metadata licence	Dataset licence	Format	Supporting documentation
11	OneSTOP national list of introduced species in Cyprus	INBO	https://www.gbif.org/dataset/40344688-4ac9-41c0-abdc-ad4556a76dc0	10.15468/mucze2	DwC-A	CC0	CC0	.csv / .xml	Folder structure, names and headers are thoroughly described in the Darwin Core standard: https://dwc.tdwg.org/terms/ Rich metadata is included in the DwC-A.
12	Public Interest in Species of Union Concern	IBOT-CAS	https://zenodo.org/records/20560588 ⁵	10.5281/zenodo.20560587	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC BY	CC BY	.csv	Yes. README.md
13	Exploring the presence of IAS listed on the list of Union Concern in e-commerce establishments	IBOT-CAS	https://zenodo.org/records/20561150	10.5281/zenodo.20561149	DataCite Metadata Schema (Zenodo / InvenioRDM)	CC BY	CC BY	.csv	Yes. README.md
14	Can Google Trends be used to estimate the geographic distribution of alien plants in the United States?	LU	https://zenodo.org/records/18828189	10.5281/zenodo.18828189	Zenodo applied (DataCite Metadata Schema + Dublin Core)	CC BY	CC BY	.csv	Additional files uploaded with the dataset in Zenodo

⁵ The files are under temporary embargo and will be made publicly available on June 5, 2028. Reason: A manuscript on this project/data is currently in preparation. Data will be made available after publication.





D1.6 DMP - Update

No	Title of the dataset	Contact	Link to repository	Persistent identifier	Metadata standard	Metadata licence	Dataset licence	Format	Supporting documentation
15	Supporting data for the OneSTOP's OneSDM framework	UFZ	https://osf.io/7mwxp	osf.io/7mwxp/	DataCite Metadata Schema / Open Science Framework metadata model	CC0 1.0 Universal	CC0 1.0 Universal	GeoTIFF	Yes. OSF project and folder descriptions.
16	Future climate rasters, land cover predictors and sampling effort grids for invasive species distribution modelling in Europe using the wiSDM v.2 workflow	INBO	https://zenodo.org/records/17724735	10.5281/zenodo.17724735	Zenodo applied (DataCite Metadata Schema + Dublin Core)	CC0 1.0 Universal	CC0 1.0 Universal	TIFF	Zenodo links to relevant software + Zenodo record description
17	Global Register of Introduced and Invasive Species - Belgium	INBO	https://www.gbif.org/dataset/6d9e952f-948c-4483-9807-575348147c7e	10.15468/xoidmd	DwC-A	CC BY	CC BY	.csv / .xml	Folder structure, names and headers are thoroughly described in the Darwin Core standard: https://dwc.tdwg.org/terms/ Rich metadata is included in the DwC-A.





Table 5: Summary of the other research outputs generated to date

No	Title of the output	Contact	Link to repository	Type of output	Persistent identifier	Licence	Supporting documentation
##	What's the title of your output?	Who is responsible for finalising the output?	In which repository is the output deposited?	What is the nature of your output (e.g., software, training guidelines, policy brief)?	Does the output have a persistent identifier?	Under what licence is the output available?	Did you accompany your output with a separate document containing information on how it can be used?
1	OneSTOP Invasive Alien Species Distribution Map Gallery (https://onestop-cibio.github.io/OneSTOP_SDM_Map_Gallery)	BIOPOLIS -CIBIO	https://github.com/OneSTOP-CIBIO/OneSTOP_SDM_Map_Gallery	Gallery with potential distribution maps of IAS obtained from SDMs	10.5281/zenodo.21852670	CC0 1.0	Yes. Repository README (framework, scenarios, limitations, disclaimer)
2	Why countries need the Global Biodiversity Information Facility: Lessons from Belgium	MeiseBG	https://zenodo.org/records/17681341	Policy brief	10.5281/zenodo.16890979	CC BY	Not relevant for a policy brief
3	The Lag from Observation to Information	MeiseBG	https://zenodo.org/records/19930146	Policy brief	10.5281/zenodo.19930146	CC BY	Not relevant for a policy brief
4	OneSTOP alert tool (GBIF Alert)	NNIT	https://github.com/riparias/gbif-alert	Software (web application)	A DOI will be added when finalised	MIT	Detailed information provided on the GitHub page.
5	Sentinel Garden Shiny App	UoE	https://github.com/davehudson67/OneStop	Shiny App	A DOI will be added when finalised	Not defined yet	Not yet, but information will be provided on the GitHub page.
6	OneSTOP: OneBiosecurity systems and technology for people, places and pathways	MeiseBG	https://zenodo.org/records/16355198	Journal publication	10.3897/rio.11.e165316	CC BY	Not relevant





D1.6 DMP - Update

No	Title of the output	Contact	Link to repository	Type of output	Persistent identifier	Licence	Supporting documentation
7	Can data mining from various internet platforms systematically accelerate detection of alien species invasions across the EU?	MeiseBG	https://www.biorxiv.org/content/10.64898/2026.02.06.704325v1	Preprint	10.64898/2026.02.06.704325	CC BY	Not relevant
8	Can Google Trends be used to estimate the geographic distribution of alien plants in the United States?	LU	https://researcharchive.lincoln.ac.nz/items/ec614554-8a73-4d2e-80e0-96aec5e571bf	Journal publication	10.1016/j.ecoinf.2026.103689	CC BY	Not relevant
9	Is One Health Plant-Blind?	MeiseBG	https://zenodo.org/records/19822213	Policy brief	10.5281/zenodo.19822212	CC BY	Not relevant
10	wiSDM 2.0 semi-automated modelling workflow adapted to OneSTOP predictors/data and future scenarios	BIOPOLIS-CIBIO	https://github.com/OneSTOP-CIBIO/risk-modelling-and-mapping	Codebase/Repository/Workflow + Shiny dashboard (batch control)	10.5281/zenodo.21880433	MIT License	Yes. Repository README
11	Aligning EU policies to address biological invasions: assessing invasion impacts across sectors	MeiseBG, UOC, JRC	https://zenodo.org/records/17301585	Journal publication	10.3897/neobiota.102.152015	CC BY	Data provided with the publication
12	A Systems Perspective: How Social–Ecological Networks Can Improve Our Understanding and Management of Biological Invasions	UNIVIE	http://hdl.handle.net/10261/422842	Journal publication	10.1093/biosci/biaf174	CC BY	The data underlying this article are available in the article and in its online supplementary material





D1.6 DMP - Update

No	Title of the output	Contact	Link to repository	Type of output	Persistent identifier	Licence	Supporting documentation
13	Functionality to standardize the data of the Checklist of introduced and invasive species in Cyprus to a Darwin Core Archive that can be harvested by GBIF	INBO	https://github.com/onestop-project/alien-species-cyprus	Software	A DOI will be added when finalised	MIT License	Github instructions and README
14	Functionality to standardize the data of the Checklist of Introduced Taxa in Romania to a Darwin Core Archive that can be harvested by GBIF	INBO	https://github.com/onestop-project/alien-species-romania	Software	A DOI will be added when finalised	MIT License	Github instructions and README
15	Functionality to create and standardize the Global Register of Introduced and Invasive Species - Belgium to a Darwin Core checklist that can be harvested by GBIF	INBO	https://github.com/trias-project/unified-checklist	Software	A DOI will be added when finalised	MIT License	Github instructions and README
16	iEcology-IAS-miner	MeiseBG	https://github.com/onestop-project/iEcology-IAS-miner	Software	10.5281/zenodo.19235706	MIT License	Github instructions and README



4. Outlook

This updated DMP reflects the progress OneSTOP has made in generating, managing, and sharing its research data and other outputs since the submission of the first DMP in M6 (June 2025). The revised Tables 1-3 provide a current picture of the datasets and outputs the project anticipates generating and reusing, incorporating the changes in scope, timing, and additional entries that have emerged as the work has advanced. The two new tables, Tables 4 and 5, document the datasets and research outputs already produced in M1-M17 and track how the data management recommendations established in the first DMP are being put into practice.

The outputs generated to date follow the provided recommendations. Datasets and research outputs have been deposited in trusted, indexed repositories such as Zenodo, GBIF, and GitHub; persistent identifiers have been assigned where outputs are finalised; recognised metadata standards, including the DataCite Metadata Schema and Darwin Core Archive, have been adopted; and outputs have been released under clear, permissive licences, predominantly CC BY, CC0, and the MIT Licence. Supporting documentation has been provided to facilitate the interpretation, validation, and reuse of the published material.

As the project continues, data management practices will continue to be monitored and any further changes will be captured in the final DMP update – D1.7 Data Management Plan - Final (M40, April 2028). This final version will present the overview of the datasets and outputs developed by OneSTOP and how the FAIR data recommendations have been applied across the full range of the project's datasets and research outputs.

