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D6.4 Data Management Plan Update

This is version 1.0 of the Data Management Plan Update. This document is a deliverable of the AMBER project.

History of changes

Version	Date	Description	Pages	Reviewer
0.0	10/08/2018	Initial outline	all	Rhiannon Harte-Chance
0.1	25/08/2018	V1	all	Rhiannon Harte-Chance

DISCLAIMER

The opinion stated in this report reflects the opinion of the authors and not the opinion of the European Commission.

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Executive summary

This document is a deliverable of the AMBER project, which has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 689682. It is an update of the Data Management Plan D6.4, which followed the Horizon 2020 FAIR (Findable, Accessible, Interoperable, Reusable) Data Management Plan (DMP) format.

The Consortium believes in the idea of open science, and in the benefits that Europe can draw from allowing the reuse of data. The function of the DMP update is to provide a summary changes in the main elements of the data management policy used by the Consortium with regard to the project data. It explains changes in the types of data generated or collected, standards used, how the research data will be preserved and what parts of the datasets will be shared for verification or reuse. It also reflects the current state of the Consortium agreements on data management and is consistent with exploitation and IPR requirements.

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1   INTRODUCTION

In the context of the AMBER project data refers to information, collated or collected, to be examined and considered as a basis for reasoning, discussion, or calculation. This includes data gathering (pre-existing data from outside the AMBER project) and data collection (obtaining new data as part of the AMBER project). AMBER data relates to four main outputs:

1. The Atlas
2. Tools
    a. Monitoring
    b. Passability
    c. Conflict resolution
3. Case Studies
4. Dissemination

Examples of data include statistics, results of experiments, measurements, observations resulting from fieldwork, survey results, interview recordings and images. The focus is on data that is available in digital form.

A primary version of the DMP has been submitted and will be updated twice during the lifetime of the project, changes in the format of the updates can be seen in **Table 1**. D6.4 is the first of these updates.

Table 1. Changes in the format of updates on the AMBER Data Management Plan

Deliverable	Title	Submission History	Content
D6.3	Data Management Plan I	Initial submission 14/09/2017 (M16) Request for revision 20/03/2018 (M22) Resubmitted 10/05/2018 (M24)	Initial data management plan outlining the intended approach for the project
D6.4 Updated	Data Management Plan II	31/05/2018 (M24) Request for delay agreed 06/07/2018 (M25) Planned 31/09/2018 (M 27)	Update of the data management plan with modifications indicated by the EC and other changes generated by the project
Incorporated into D6.2	Final Report with Legacy plan for updating and maintaining Barrier Atlas and other AMBER digital outputs	Planned 31/05/2020 (M48)	Final data management plan, also covering post-AMBER legacy plan

2   CHANGES IN DATA FROM D6.4

2.1   Purpose of the data

There has been no significant change in the purpose of the data collected for the AMBER project. All data collected still relates directly or indirectly to the main outputs of the pan-European Barrier Inventory and Atlas (D.1.3), and the River infrastructure planning support tool (D3.4).

2.2   Changes in Data Origin, Type, Format and Expected Size

Table 2. Changes in data sources, use, format and size from DMP I (D6.4)

Data Name	Changes	Reason for change if any
Collated Barrier Data	Data origin - collated barrier **institutional** data from regional and national authorities throughout Europe	Clarification of type of data from regional and national authorities
Atlas Validation Data	Data origin - addition of collected barrier data in the field by the AMBER consortium (including JRC subcontracts) Data type – barrier height given in **classes**	 Clarification of barrier height data type
Citizen Science Data	No changes	
Fish Community Map	No changes	
Atlantic Salmon Status Map		
Barrier Impacts on River Ecology Map	No changes	
eDNA Tool	No changes	
Rapid Habitat Assessment Tool	Expected size increased to 200Gb	To ensure best possible quality, following testing it was decided that the raw DNG format needs to be kept for research purposes, this will increase the size. In addition during the first 18 months of the project any rivers with a chance of a barrier being removed were flown by drone, producing a larger than expected volume of data. Following testing the rate of acquisition has slowed down
Barrier Passability Tool	No changes	
Data Name	Changes	Reason for change if any

Model of Organism Passability vs. Hydropower Generation	No changes	6
Model of Fish Movement through River Networks	No changes	
Cost-benefit Analysis of River Infrastructure Tool	Data Contact has been updated to EU Riccardo Scarpa and Sergio Vallesi	
Barrier Management Scenario Tool	No changes	
Ecosystem Services Evaluation Tool	No changes	
Social Attitudes Tool	No changes	
Case Study Data	No changes	
Dissemination Data and Project Metadata	No changes	

There are no additional data sources (not in DMPI)

3   DATA PROTECTION

In May 2018 the General Data Protection Regulation (GDPR) came into force (Regulation EU 2016/679). http://eur-lex.europa.eu/legal-content/en/TXT/?uri=CELEX%3A32016R0679. As set out in D6.3, AMBER complies with current European and national data protection law. Full details of conformity to data protection were be provided in deliverable D7.2 (POPD - H - Requirement No.2).

Data Controllers and Data Processers have been designated (as is required in the GDPR) The basic structure of data protection has not changed since D6.3.