DATASET LICENCE AGREEMENT

The Aristotle University of Thessaloniki (hereinafter, **AUTH**) created the **Flood Master Database** (hereinafter, the **dataset**) within the context of the project TEMA that was funded by the European Commission-European Union [Grant Agreement number: 101093003; start date: 01/12/2022; end date: 30/11/2026].

Description of the dataset**:** The Master Flood Dataset consists of flood images picked from different publicly available datasets. The origin of the images is specified in the "sources.csv" file. The train-val split was made using 3:1 ratio. For images taken from the "Flood Area Segmentation" dataset and the "Water Dataset" (url links are given in "sources.csv"), we normalized the binary masks in the {0,1} values, so we provide our version of masks. For images taken from the "Roadway Flooding Image Dataset", we use the annotations path from the original dataset, since the masks are already normalized in the wanted range.

Moreover, Test videos contain video frames from real flooding scenarios in Greece and Italy, to test the trained model in real world data. We extracted frames from these videos. Given the test video, its frames are named with our convention "frame<X>.jpg", where <X> is the frame number as extracted from the video. We provide the segmentation annotations for these frames, with the naming convention "frame<X>Ids.png". The Greek video is too big, so we selected and annotated 567 frames from it. As for the Italian video, we selected and annotated all 1406 frames.

Inside each folder train-val-test, there is a csv file that contains the real image path (on the source dataset), the annotation path (on our database) and the source of each image.

To advance research in the relevant field, AUTH made the dataset publicly available for research purposes via the AIIA lab. All requests for access to/use of the dataset must be submitted in writing by researchers. To receive a copy of the dataset, the researcher (hereinafter, the **Signatory**) must agree to the conditions below and sign this document. The dataset can be downloaded upon receipt of the signed document.

Whereas the Signatory desires to access/use the dataset for own research purposes, at her/his sole risk and at no expense of AUTH, she/he agrees on the following:

1. The dataset will not be distributed, published, copied, disseminated, made available or otherwise communicated by the Signatory in any way or form whatsoever, whether for profit or not. This includes distributing, copying, disseminating, making available or otherwise communicating to any party in its original or any modified version and by any means. The Signatory must not grant anyone access to the dataset by giving out his/her username and password.

2. The Signatory may only use the dataset after this Licence Agreement has been signed and returned to AUTH.

3. The names of natural persons referred to in the dataset must not be released. The Signatory agrees not to disclose the names or other personal data related to the natural persons referred to in the dataset and not to connect the data with the names or other personal data, if he/she receives this information through another source.

4. The dataset is solely released for research purposes. The Signatory must not use the original data or modified copies for commercial purposes or goals other than research or provide this dataset to for-profit companies or any other entity (including non-profit entities).

5. The whole procedure to download this dataset from the corresponding server is free of charge. For any other method of shipping and handling of this dataset, the Signatory will be charged and the relevant procedure should be arranged via e-mail.

6. AUTH makes no claim that the dataset encompasses all data collected prior to/during/after or associated with the TEMA project. AUTH reserves the right to change the type, format, structure or other elements of the dataset.

7. This dataset was formatted with a reasonable standard of care, but AUTH makes no warranties express or implied, including no warranty of merchantability or fitness for a particular purpose, regarding accuracy or completeness of the data or that data are free of errors.

8. The Signatory agrees to provide specific information to AUTH regarding how this dataset will be used, the users and usage of any application containing this dataset, any difficulties encountered in using this dataset and changes or enhancements to this dataset that would make it more useful to the Signatory. In case of changes or enhancements, the Signatory agrees to send the new version to AUTH and allow AUTH to make this new version available to researchers. In such a case, credit for the changes or enhancements will be acknowledged to the Signatory in the relevant web page referring/linking to this dataset.

9. All documents and publications that report research on or (directly/indirectly) linked to this dataset must mention the source of the data as 'Flood Master Database' and include the website link to this source at the relevant AUTH server**.** Publications include any type of communication to the public (e.g., open access-papers or conference-presentations) and any type of communication to large or small (e.g., restricted) audiences (e.g., in-class-presentations for educational purposes).

10. AUTH cannot be held responsible, accountable or liable (toward the Signatory or third parties) for any type of damage that may be caused intentionally or unintentionally by the Signatory or other party accessing/using the dataset on behalf of the Signatory. This includes any type of damage that may be caused to third parties. Moreover, the Signatory shall be responsible for any design, system, product, database or other asset generated by the Signatory via the use of the dataset. Furthermore, AUTH shall not be liable to the Signatory or third parties for any loss or damage whatsoever or howsoever arising directly or indirectly in connection with the use by the

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11. AUTH reserves all Intellectual Property rights in any version of the dataset in any format and medium.

12. The duration of this dataset licence agreement is one year (starting from the day of receipt by AUTH of this document in signed form). Duration of this agreement can solely be extended in writing (in signed form).

Full Name of Signatory:

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Institution:

Address:

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