This is the log of activities related the data sharing of T4.2 Risk assessments

# Initial sharing (study\_area)

Dear all,

I'm sending you regional and household-level shapefiles for our study area.

Kind regards,

Samanta

# First sharing (data\_for\_CMCC)

Dear Vuong and dear all,

In the meantime, following our meeting, as you asked for some data as soon as possible, we are sending you the data we were able to prepare in the past few days.

We are providing data that covers the entire Split-Dalmatia county. In Croatia, the lowest administrative level is the settlement (settlements/municipality/county/Croatia), so we're sending you data at the level of the settlement.

I am sharing with you a ZIP file containing the following data:

1. Vector layer "*split\_dalmatia\_county\_border"* with the boundary of Split-Dalmatia County.
2. Population data
   1. Vector layer "*settlements\_population*" with the boundaries of settlements within Split-Dalmatia County, including population data for each settlement for 2011 and 2021.
   2. Word document "*attributes\_settlements\_population*" explaining the attribute names within the vector layer "*settlements\_population"*.

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| **Vuong: I copy and paste the description here.**  The meaning of the attribute names of the vector layer: settlements\_population  NA\_MB – registration number of the settlement  NA\_IME –name of the settlement  JLS\_MB – registration number of the local self-government unit  JLS\_IME – name of the local self-government unit  ZU\_IME – name of the county  2011\_Total – total population per settlement for 2011  2021\_Total – total population per settlement for 2021  Question: if we have these columns, do we need the two excel file: *population\_2011 and population\_2021?* |

* 1. Excel files "*population\_2011*" and "*population\_2021*" with the population census data for settlements for 2011 and 2021.

1. Flood risk data

For now we're sending you the WMS link (<https://servisi.voda.hr/poplave_opasnosti/wms?SERVICE=WMS&REQUEST=GetCapabilities>) to the flood hazard maps indicate the possible extents of three specific flood scenarios:

* 1. Floods with a high probability of occurrence (return period approximately 25 years),
  2. Floods with a medium probability of occurrence (return period approximately 100 years)
  3. Floods with a low probability of occurrence (return period approximately 1000 years) including associated floods due to possible dike breaches and high dam failures - artificial floods.

1. Unique flood lines for individual scenarios are determined as envelope flood lines of all relevant flooding sources at a scale of 1:25 000 which is the reference scale of municipality spatial plans in Croatia.

We have requested this flood hazard data for Split-Dalmatia County in vector format from Croatian Waters, and we'll send you the data as soon as we receive it.

1. Damage data

We are sending you Excel tables ("*2010.-2018. Reported damages*" and "*2019.-2023. Reported damages*") containing data on reported damages at the county level for the period from 2010 to 2023. For more detailed levels of damage data, it is necessary to request the data, which we have done, and we'll send it to you as soon as we receive it.

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| Question from Vuong: did you already have the detailed map for the damage since the County level was not a good data for our need. |

If you have any further questions or need additional details, please feel free to contact me.

Best regards,

Samanta Bačić

# Second sharing (shapefile)

Dear Vuong,

I wanted to let you know that geopackage (\*gpkg) files can be opened in QGIS just like shapefiles. This ensures you can work with the data seamlessly, regardless of the format.

To make it easier for you, I am also sending the data in shapefile format.

Please let me know if you have any questions or need further assistance.

Best regards,

Samanta

# Third sharing (floods\_SDC)

Dear Vuong and dear all,

Previously, I shared the WMS link to the flood hazard maps. Now, I have received the flood hazard vector files from the Croatian Water Company, which I am forwarding to you.

Attached, you will find a ZIP file containing the following data for the Split Dalmatia County:

1. **Flood hazard maps**
   1. "*floods\_HP\_2019*" - Extent and water depths of the high-probability flood scenario for the planning cycle 2022-2027
   2. "*floods\_MP\_2019*" - Extent and water depths of the medium-probability flood scenario for the planning cycle 2022-2027
   3. "*floods\_LP\_2019*" - Extent and water depths of the low-probability flood scenario for the planning cycle 2022-2027
   4. "*flood\_embankment\_2019*" - the location of the flood embankment

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| --- | --- | --- |
| attribute | value | meaning |
| m\_kl\_dub | 1  2  3  4  5 | maximum water depth < 0,5 m  maximum water depth 0,5 m - 1,5 m  maximum water depth 1,5 m - 2,5 m  maximum water depth  > 2,5 m  larger water surfaces |

   2. Areas (the settlements) of potentially significant flood risks in 2018

* 1. "*area\_PSFR\_2018*" - areas declared as "Areas of Potentially Significant Flood Risks" by the Preliminary Flood Risk Assessment 2018
  2. "*area\_not\_PSFR\_2018*" - areas that has not been declared as "Areas of Potentially Significant Flood Risks" by the Preliminary Flood Risk Assessment 2018

Please let me know if you have any questions or need further information.

Best regards,

Samanta