

Synthesis: Overly maps

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1. Spatial data, proposed list of maps

Data (depending on group results):

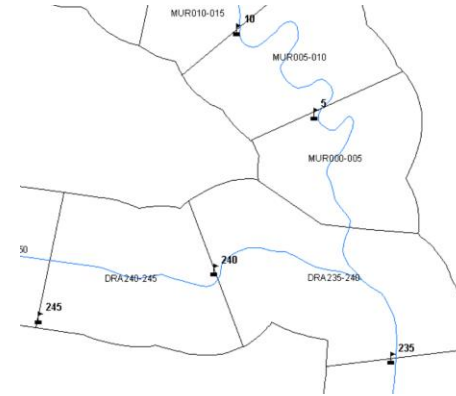
- ▶ *River morphology: Width profiles, sinuosity, length development, historical comparison.*
- ▶ *Sediment balance: Channel incision, distribution and size of bars.*
- ▶ *Birds: Distribution, aggregation to bank and bar breeders.*
- ▶ *Fish: Longitudinal abundance/zonation, possible distribution.*
- ▶ *Climate change: Development of hydrological regime (duration, seasonality, drought).*

Maps (following the main chapters):

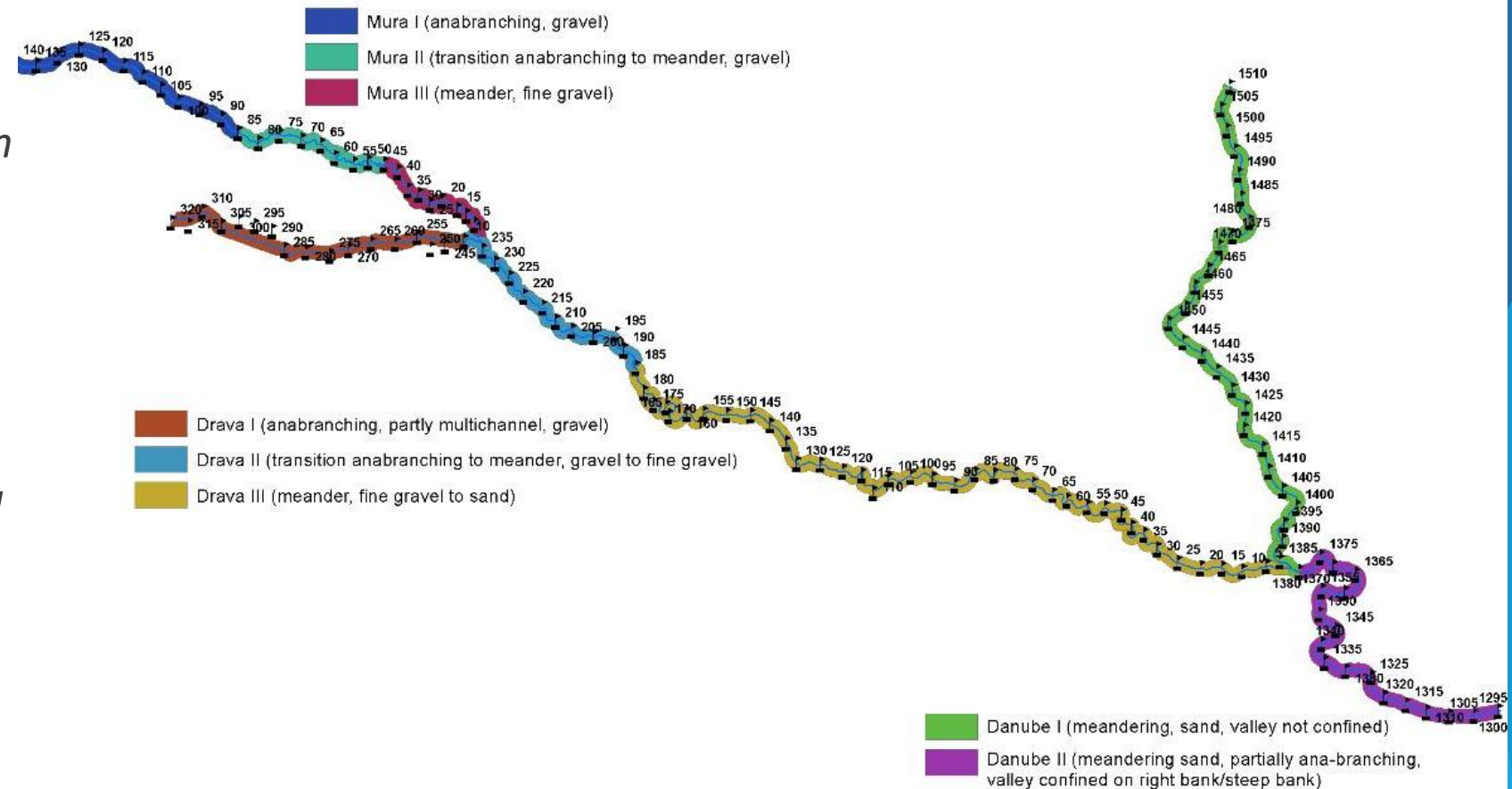
- ▶ *Map1: Pressures and impacts (river training structures, hydropeaking, dredging).*
- ▶ *Map2: Status quo/deficit analysis (bird, fish data, incision stretches).*
- ▶ *Map3: Stretches with highest protection and restoration potential (synthesis).*
- ▶ *Map4: Proposed general restoration recommendations based on 8 main river section types.*

2. Overlay map approach, river section types

- ▶ *Proposed overview for map overlaying GIS-based results from the different studies: Based on main “River Section Types” for data subdivided into 10rkm sections for Danube and 5rkm for Drava and Mura.*
- ▶ *Synthetic analysis according to assessment segments and river section types (for birds also monitoring/historical comparison).*

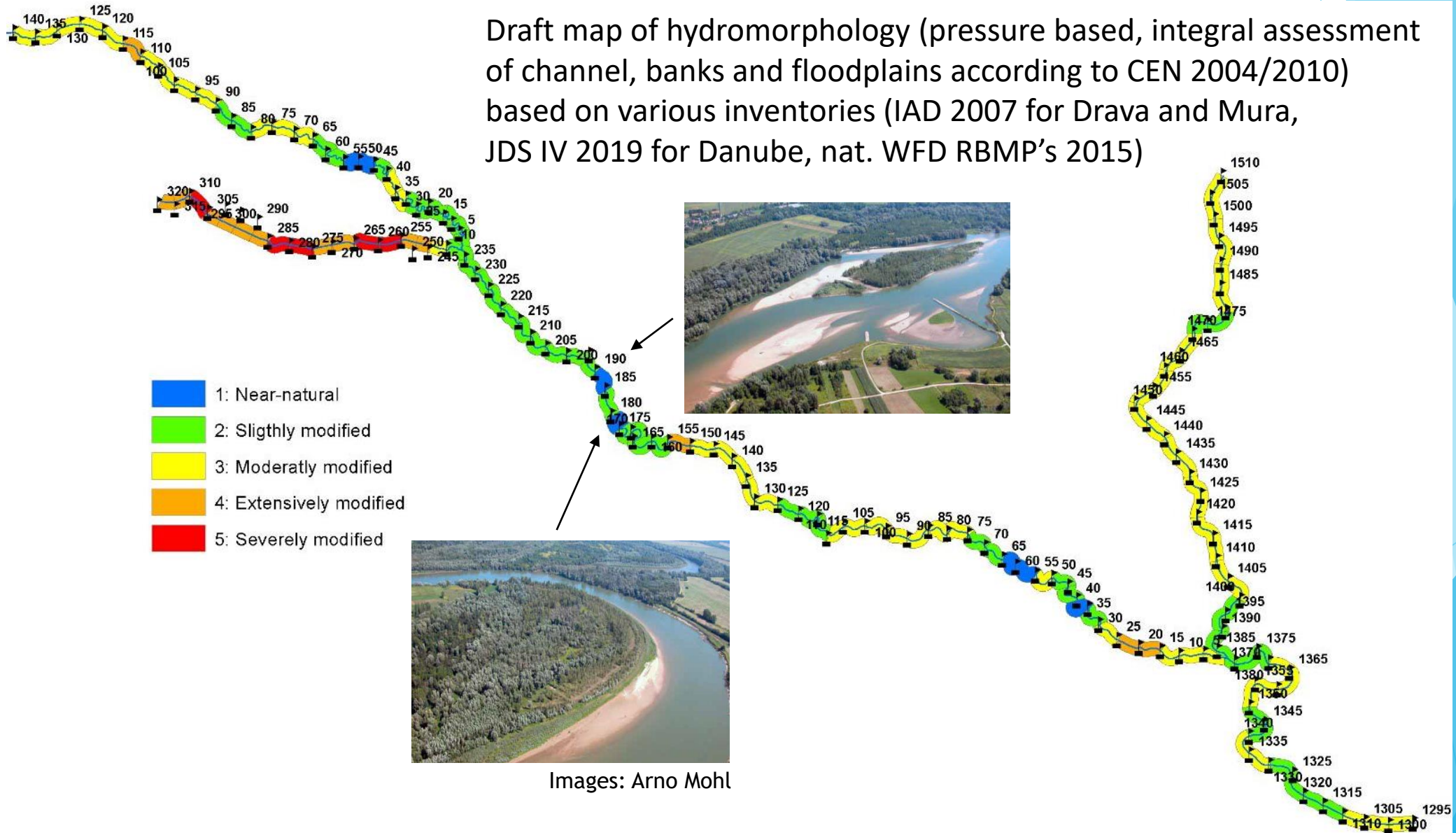


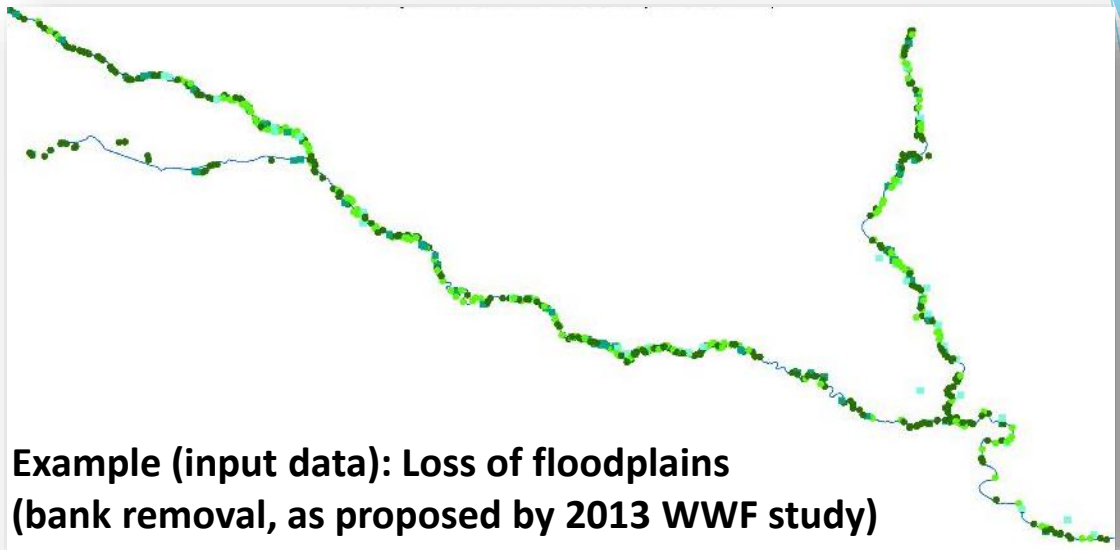
5 and 10 river
Kilometer (rkm)
Segments (1,500 m
Buffer around river axis)



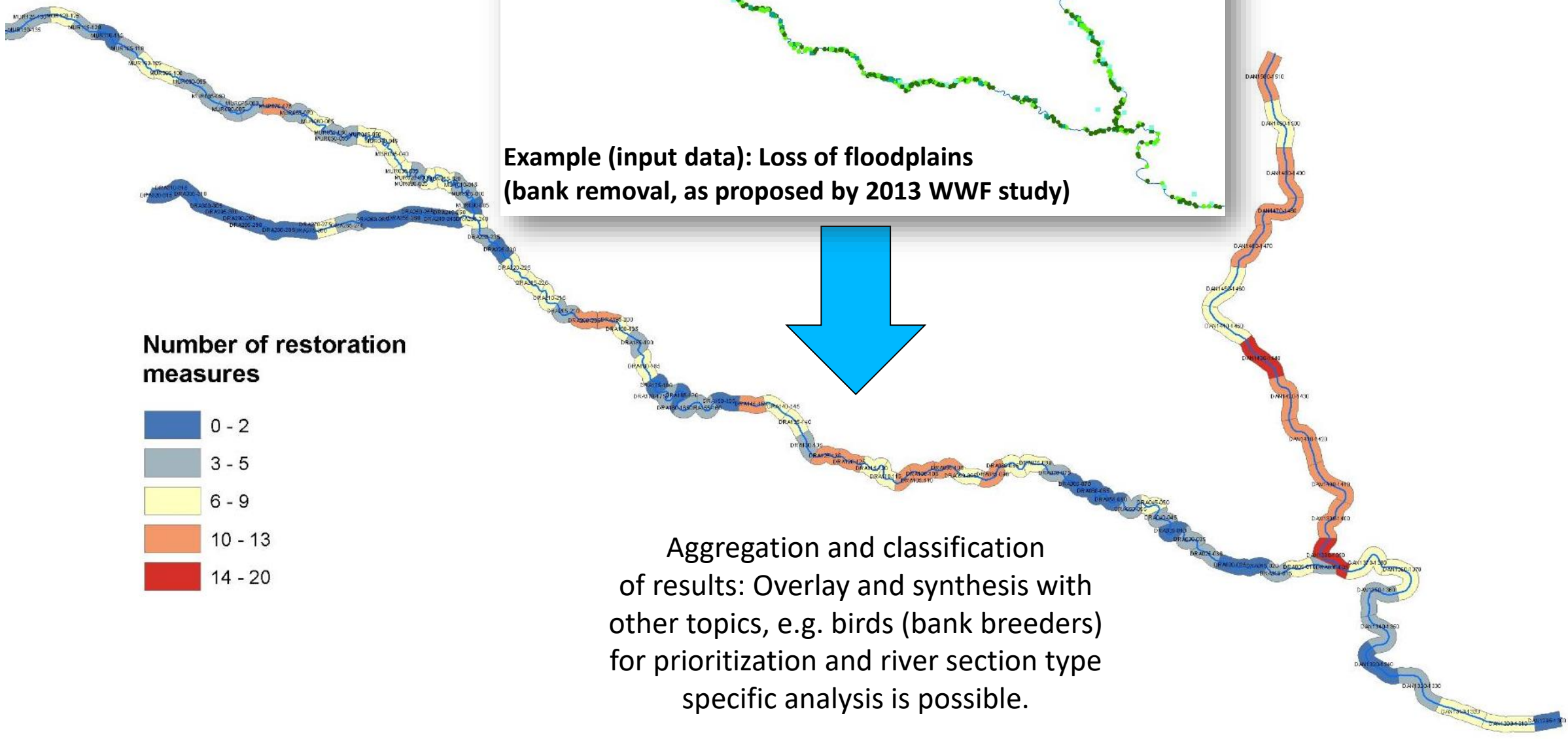
3. Examples

Draft map of hydromorphology (pressure based, integral assessment of channel, banks and floodplains according to CEN 2004/2010) based on various inventories (IAD 2007 for Drava and Mura, JDS IV 2019 for Danube, nat. WFD RBMP's 2015)

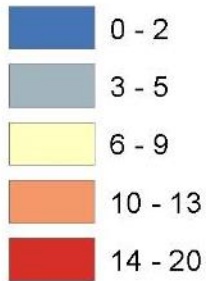




**Example (input data): Loss of floodplains
(bank removal, as proposed by 2013 WWF study)**



Number of restoration measures



Aggregation and classification of results: Overlay and synthesis with other topics, e.g. birds (bank breeders) for prioritization and river section type specific analysis is possible.

Thank You!