

Danube Hazard m³c

Work Package T3: Transnational HS pollution assessment and policy recommendations

About the ICPDR

800.000 km²

6.500 m³/s

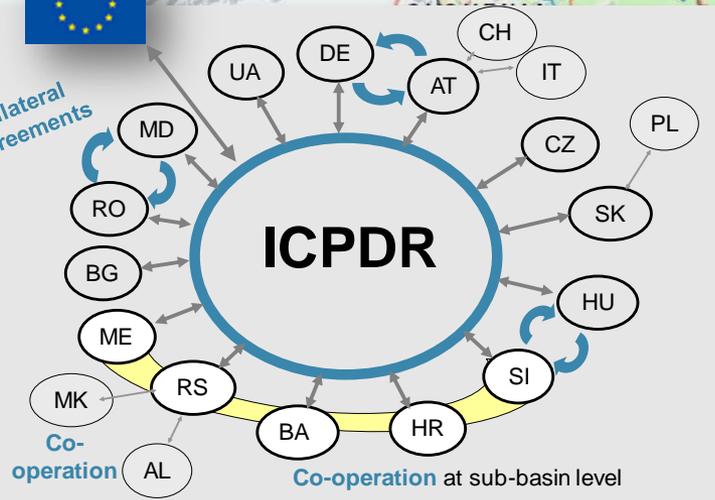
85 Million PE

19 countries

Heterogeneity

Transboundary
cooperation
EU WFD & FD
coordination
River Basin
Management Plans

Bilateral
agreements



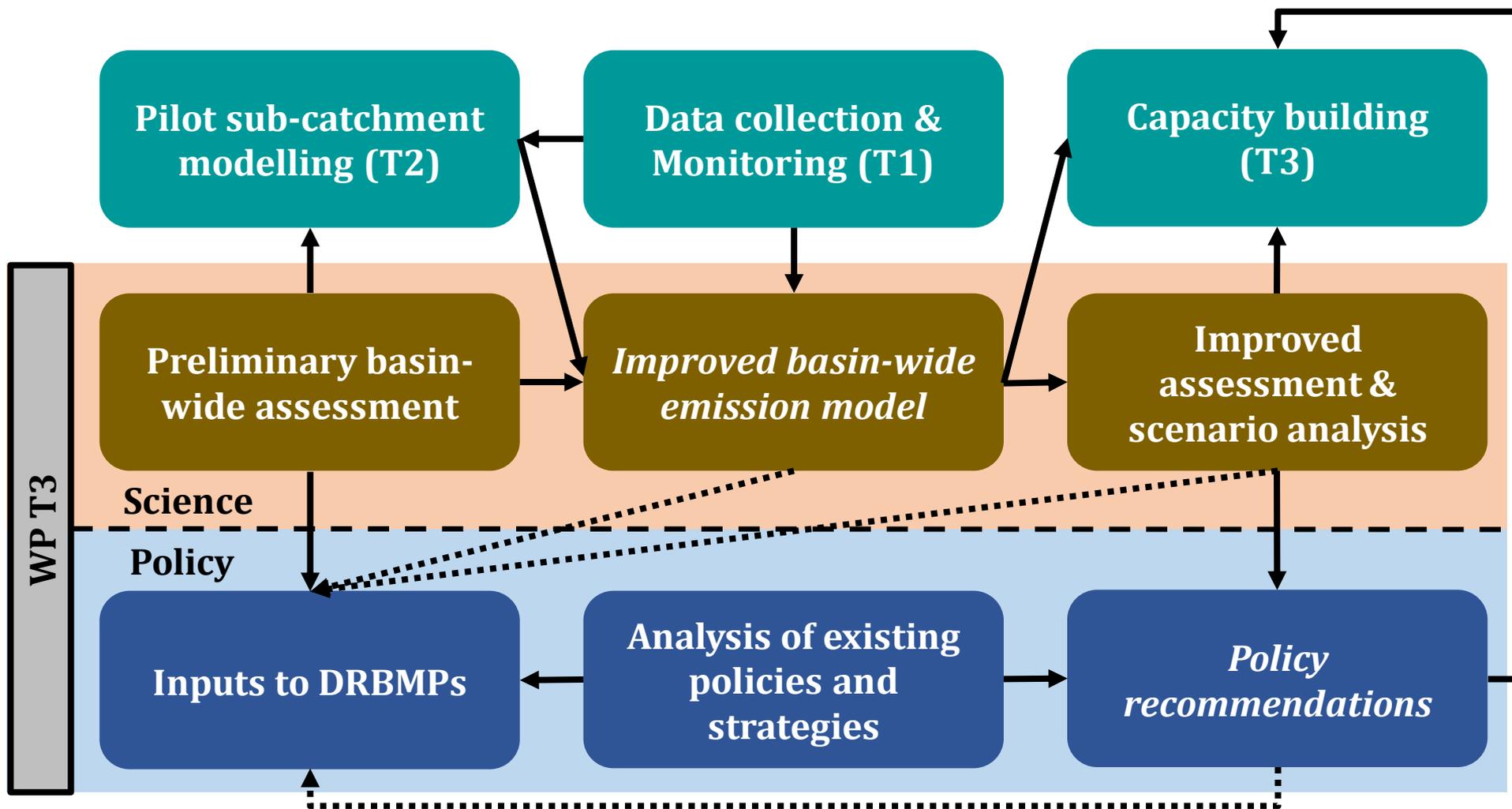
Co-operation

Co-operation at sub-basin level

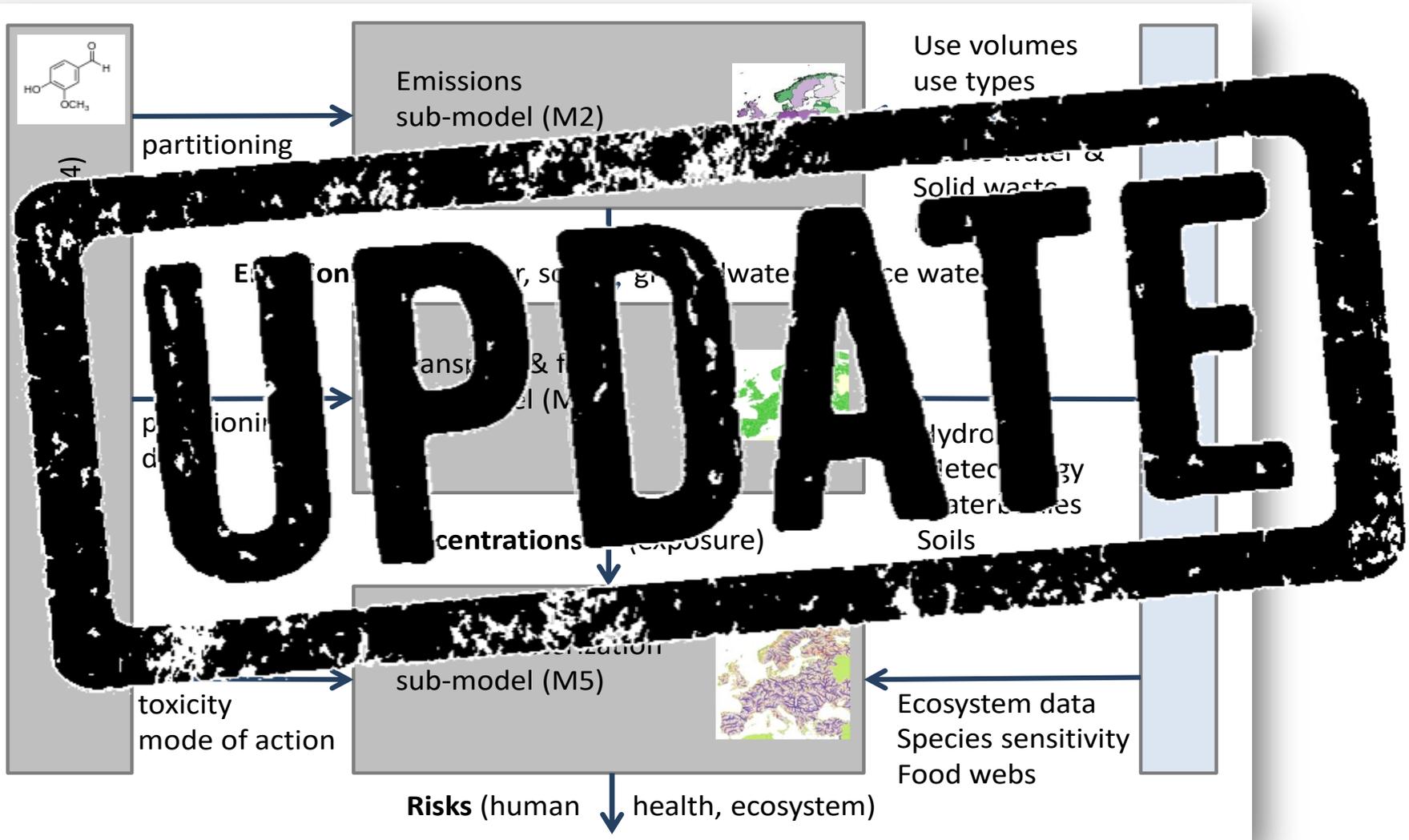


Black
Sea

Transnational HS pollution assessment and recommendations



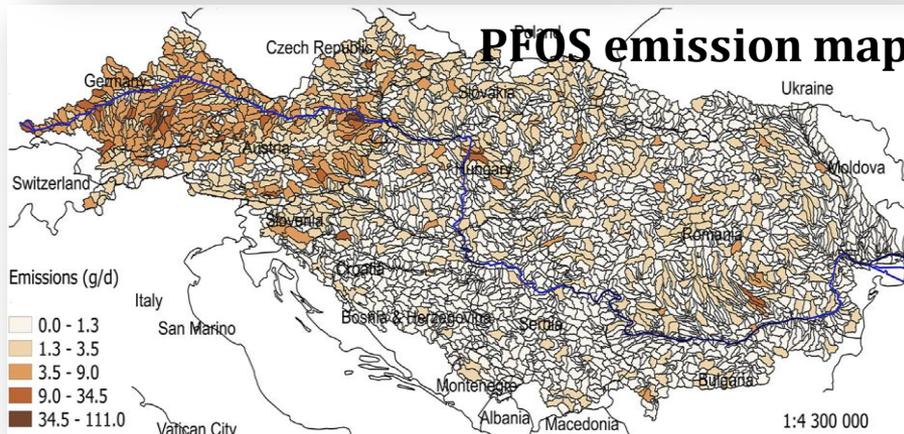
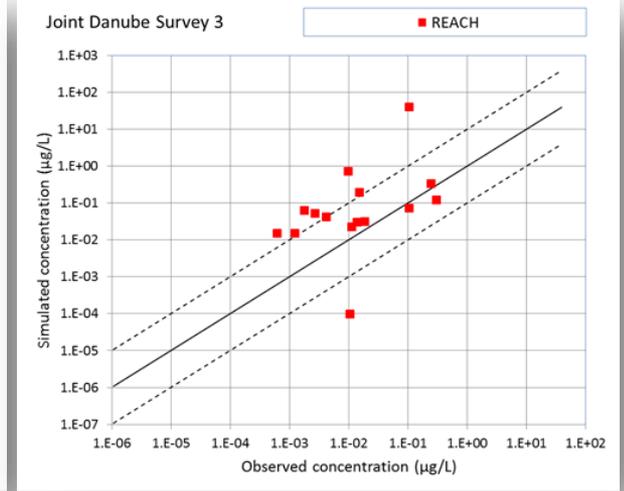
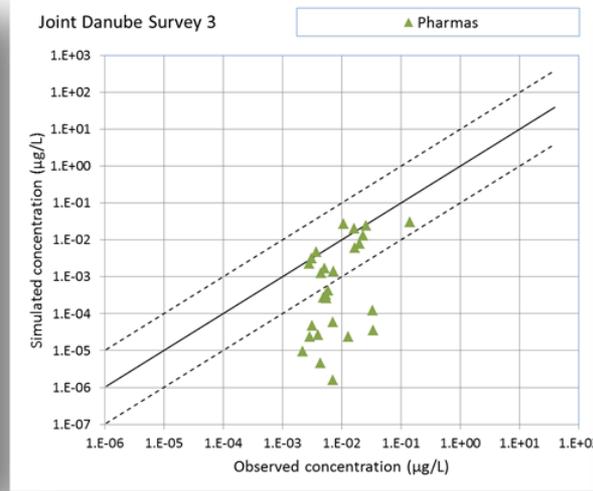
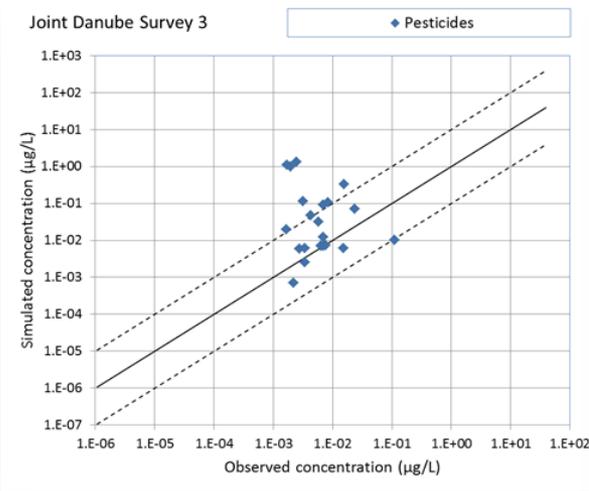
The science route



Integrated modelling

- To analyze the fate of **target substances** at large spatial scale (DRB) with the SOLUTIONS model
 - easy adaptation to new substances, not just well-known compounds
 - focus on chemical transport processes
 - using only limited input data and substance properties, no calibration of the model system for each substance
- Modelling **objectives**:
 - emission hot-spots, source and pathway apportionment
 - pollutant transport, river concentrations of chemicals, risk to ecosystems, river loads to the Black Sea
 - efficiency of measure implementation
 - smart intervention strategies and program of measures (what-if)

Example results



The policy route

What could be the existing conditions for policy?



Policy papers

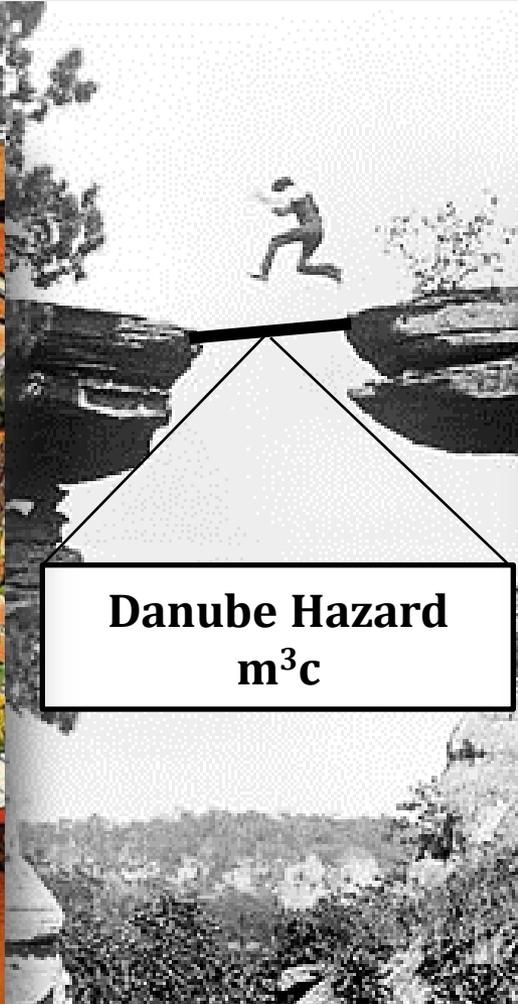
Policy review

- National **policies** within the DRB in the field of HS water management to be compared and critically assessed
- Identification of main challenges, **implementation gaps** and needs for harmonization
- Hints for potential future **adaptation and revision** of the policies

Policy recommendations

- Summary of potential risk reduction **measures and their expected efficiency** including source, emission and transport control measures
- Policy recommendations on effective **management strategies** for HS water pollution in the DRB
- Potential recommendations to **EU water policy**

Bridging science & policy



**Danube Hazard
m³c**



International Commission
for the Protection
of the Danube River

Danube River Basin Management Plan Update 2021

Document number: xx
Version: DRAFT 3
Date: 19-05-2020

First full draft of DRBMP Update 2021 for ICPDR SWG-18

- including all revised chapters as agreed in ICPDR EG and TG spring 2020 (online meetings) as well as RBM-51 online meeting based on
- written comments received on draft 1 until 6th May 2020 (AT, CZ, DE, HU, RO, RS, SK, DSTF, WWF-CEE; consolidated version draft 2 as of 12th May 2020) and discussion/engagement with comments made during RBM-51 (13th May 2020, online meeting) and written comments received thereafter until 15th May 2020 (HU).

General information:

- This document (available in track changes¹ and clean² version) includes the first full draft of the DRBMP Update 2021 for ICPDR SWG-18
 - including all revised chapters as agreed in ICPDR EG and TG spring 2020 (online meetings) and RBM-51 online meeting based on
 - written comments received on draft 1 until 6th May 2020 (AT, CZ, DE, HU, RO, RS, SK, DSTF, WWF-CEE; consolidated version draft 2 as of 12th May 2020) and discussion/engagement with comments made during RBM-51 (13th May 2020, online meeting) and written comments received thereafter until 15th May 2020 (HU).
- All figures/information/text **marked in yellow** need to be updated based on DRBMP Update 2021 data collection, planned for the revised version of the DRBMP Update 2021 to be drafted over summer in autumn.
- All comments **marked in blue** need to be forwarded to ICPDR EGs and TGs for further clarification/agreement/discussion/revision in ICPDR autumn 2020 meetings.
- Comments made with reference to figures/graphs and text on data assessments will be taken into account once all data are delivered and assessment of data and final interpretation of reported results can be done. The JDS4 information boxes will be updated with information of the final JDS4 report expected for autumn 2020.
- Integration chapters 6.1 to 6.7 will be updated/revised as soon as relevant information is fully available for the version of the DRBMP Update 2021 to be prepared for autumn 2020. The comments on integration chapters received were not yet discussed in the RBM EG, but will be taken on board for the upcoming revision of the chapters over summer for discussion in ICPDR autumn 2020 meetings.
- Please note that the correct numbering of graphs/maps/boxes will be fully ensured for the final version of the document.

Next steps and way forward:

- This version (draft 3) of the document will be presented to/discussed in ICPDR SWG-18.
- A revised version of the DRBMP Update 2021 (draft 4) will be prepared for discussion in ICPDR EGs and TGs autumn meetings, including results from the data assessment/analysis (based on data to be received until end of June 2020) as well as revised integration chapters (6.1 to 6.7).

¹ The track changes version of the DRBMP Update 2021 for SWG-18 (draft 3, track changes) includes all comments made on draft 1 until 6th May 2020 (AT, CZ, DE, HU, RO, RS, SK, DSTF, WWF-CEE; consolidated version draft 2 as of 12th May 2020) and results of discussion/engagement with comments made during RBM-51 (13th May 2020, online meeting) as well as written comments received thereafter until 15th May 2020 (HU). The track changes version can be downloaded here: https://www.icpdr.eu/sites/default/files/2020-05/20200519_DRBMP_Update_2021_SWG-18_draft_3_track_changes.pdf

² The clean version of the DRBMP Update 2021 for SWG-18 (draft 3, clean) includes only those comments/highlights for review, which need to be forwarded to ICPDR EGs and TGs for further clarification/agreement/discussion/revision in ICPDR autumn 2020 meetings. All other changes, as agreed during RBM-51, are accepted in the clean version.

Thank you for your attention!

For more information please visit the ICPDR website:

<http://www.icpdr.org>

