

Sediment project proposal

EUSDR PA4 SG meeting

June 9th 2015.

Dr. László KARDOSS

Content

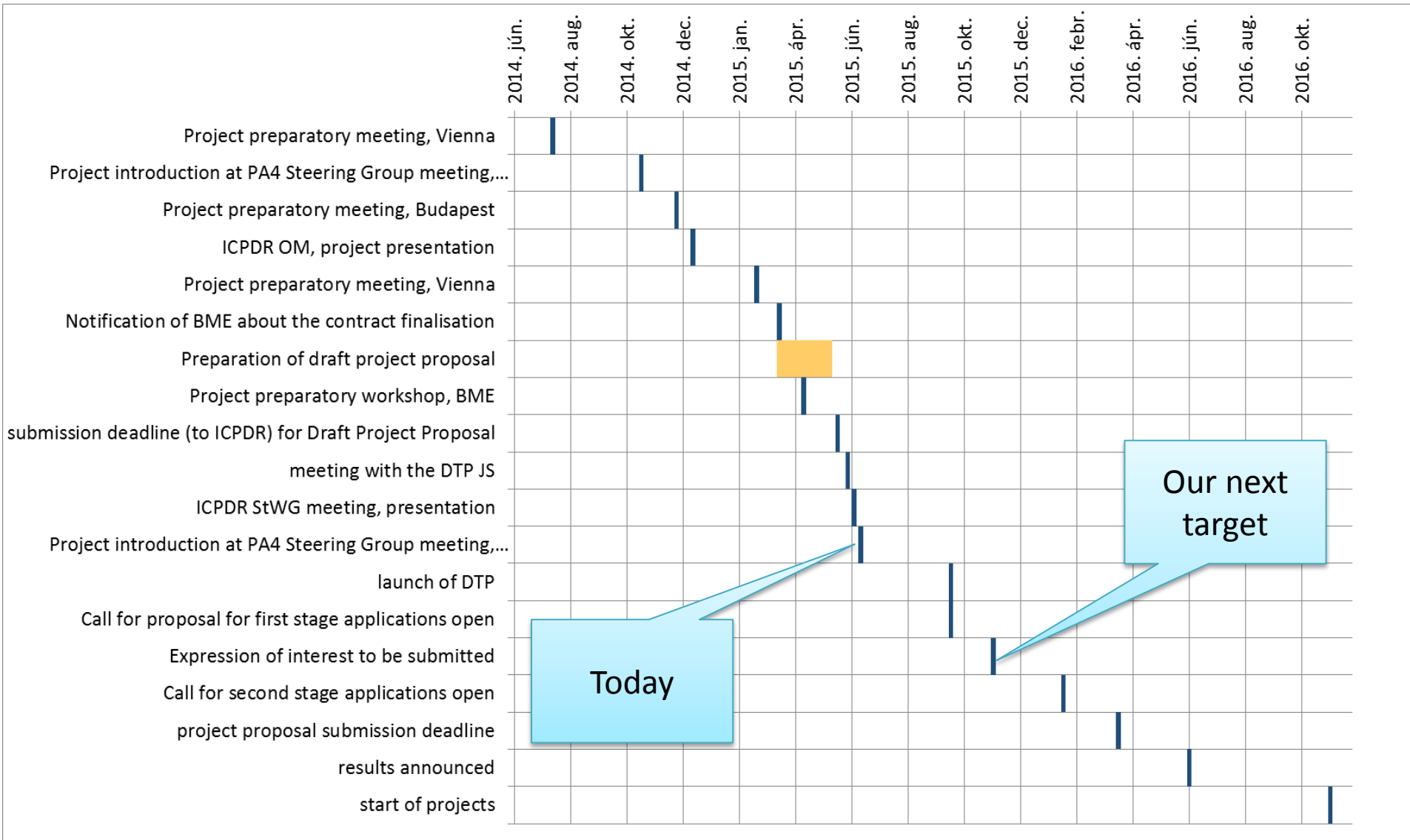
- Overview of the events
- Quick glance at the project content
- Steps to be made
- Acknowledgements

Since the last PA4 Steering Group meeting

- 21st November Budapest project preparatory meeting with the belief that everything was on track;
- ICPDR OM Vienna, 9th December 2014;
- Following the ICPDR OM preparation of the ToR for a TA contract by 16th January
- During the process an other project preparatory meeting in Vienna 16th February, overview of progress and introduction of BayFOR by Bavaria;
- Reaching agreement with the ICPDR PS by mid-March, contract signature by 8th April, Budapest workshop.
- Submission of the Draft Project Proposal to the ICPDR by 15th May 2015.
- Consultation with the DTP JS 26th May 2015.
- ICPDR StWG meeting in Zagreb 2nd June 2015.

Timeline for project preparation

- 2015.04.08 Project preparatory workshop, BME
- 2015.05.15 Submission deadline (to ICPDR) for Draft Project Proposal
- 2015.05.26 Meeting with the DTP JS
- 2015.06.02 ICPDR StWG meeting, presentation
- 2015.06.09 Project introduction at PA4 Steering Group meeting, BP
- 2015.09.15 Launch of DTP
- 2015.09.15 Call for proposal for first stage applications open
- 2015.10.31 Expression of interest to be submitted
- 2016.01.15 Call for second stage applications open
- 2016.03.15 Project proposal submission deadline
- 2016.05.31 Results announced
- 2016.10.31 Start of projects



Project content

Project participants

Project partners

1	Budapest University of Technology and Economics/BME	Hungary
2	University of Natural Resources and Life Sciences, Vienna/BOKU	Austria
3	General Directorate of Water Management /OVF	Hungary
4	National Administration "Romanian Waters"/NARW	Romania
5	National Institute of Hydrology and Water Management/NIHWM	Romania
6	Bavarian Environment Agency/LfU	Germany
7	National institute of Meteorology and Hydrology – Bulgarian Academy of Sciences/NIMH-BAS	Bulgaria
8	Executive Agency “Exploration and Maintenance of the Danube River”/EAEMDR	Bulgaria
9	Jaroslav Černi Institute for the Development of Water Resources/JCI	Serbia
10	Directorate of Inland Waterways/PLOVPUT	Serbia

Project partners 2

11	Croatian Waters/HRVODE	Croatia
12	Institute for Water of the Republic of Slovenia/ IzVRS	Slovenia
13	Water Research Institute Bratislava/VUVH	Slovakia
14	Technische Universität München - Institute of Hydraulic and Water Resources Engineering/TUM	Germany
15	FLUVIUS, Floodplain Ecology and River Basin Management/Fluvius	Austria

Cross-cutting/strategic partners

International Commission for the Protection of the Danube River	ICPDR	International
Federal Ministry of Agriculture, Forestry, Environment and Water Management	BMLFUW	Austria
HIDROELECTRICA SA	Hydroelectrica	Romania
viadonau	VIADONAU	Austria
International Sava River Basin Commission	SRC	International
Joint Research Center	JRC	International
DANUBEPARKS Association – Danube River Network of Protected Areas	DANUBEPARKS	



BMFLUW viadonau

Donauparks

VUVH

LfU TUM

ICPDR

JRC

BME OVf

BOKU Fluvius

SRC

Hidroelectrica

NARW NIHWM

IzVRS

HRVODE

JCI PLOVPUT

NIMH-BAS EAEMDR

Brief introduction to Work Packages and deliverables

Work Packages

- WP1 Management
- WP2 Collection of Existing Sediment Data & Processing & Analysis
 - Inventory of existing data
 - Comparative analysis
 - Overall space-time analysis of existing data
- WP3 Sediment balance of the Danube River
 - Data analyses for sediment balance
 - Assessment and quantification of the sediment balance for the Danube and main tributaries
 - Assessment of historical morphological changes of the River Danube in relation to the present sediment balance
- WP 4 - Impacts and measures
 - Review of key drivers and the impacts of significant pressures on sediment quantity for the Danube River and major tributaries
 - Risk analysis related to sediment regime (continuity and quantity)
 - Measures and good practices for improving the sediment regime

Work Packages

- WP 5 - Stakeholder Involvement, Dissemination and Communication, Information & Publicity
 - Communication Plan including Cooperate Design and Project Website
 - Leaflets and Newsletter
 - Stakeholder Involvement
 - Publications and Press Releases
- WP6 Danube Sediment Management Guidance
 - Synthesis of WP 2 to 5
 - Development of the **Danube Sediment Management Guidance (DSMG)**
 - Policy recommendations for
 - Hydropower
 - Navigation
 - Flood Risk Management
 - River Engineering
 - Ecology (e.g. water and habitat protection and restoration)
 - Commercial gravel extraction
 - Drinking water supply
 - Agriculture

Most important deliverables

- Harmonized database including metadata (maps, tables)
- Guidelines on best practices on sediment transport monitoring
- Maps showing sediment transport rates along the Danube River and major tributaries at the confluence
- Maps, tables, text on long, mid and short term morphodynamics (riverbed aggradation, degradation, river geometry)
- Maps and reports on sediment balance
- Report on significant pressures
- Catalogue of practical measures and recommendations to improve the Danube River sediment management
- Website, press releases
- **Danube Sediment Management Guidance**
 - **Guideline on sediment transport monitoring and modelling**
 - **Danube River Sediment Balance (incl. Figures and Tables)**
 - **Guideline for improved planning of sediment related measures**
 - **Stakeholder Manuals on sustainable sediment management in the DRB**

Budget

- Based on the initial perception of the tasks to be implemented a first estimate for the budget has been compiled, slightly over four million Euro.
- This budget estimate is to be revised in light of the more precise tasks to be implemented by the project partners.

Steps to be made

- Consolidation of all the suggestions received
- Reiteration of the WP contents
- Finalization of the roles for task leads
- Conclude the exchange of information concerning test/pilot sites
- New round for the budget estimate in the light of the fine-tuned tasks
- Re-writing the introductory part of the EOI when the final DTP with its re-written expected results and result indicators will be public/known
- Contact the strategic partners with the new information available (the draft project proposal) and ask for sustained commitment where appropriate
- Depending on the needs a meeting with either the WP leads or the full consortium will be held once the call is open or we have definite information concerning the conditions of the call

Conclusions stemming from the JS meeting

- Our target is still not entirely clear (new DTP, where issues, like expected results will be revised), the new version of DTP will be submitted to the Commission in mid-July.
- We are well advanced considering the uncertain footing, but the remaining five months will have to be utilized wisely:
 - The whole intervention logic has to be strongly fitted to the DTP (when available), this is the most important
 - Once the intervention logic is observed, the WPs have to be finalised, including the tasks, deliverables
 - Outputs - as most important for the JS - have to be carefully named/selected
 - A budget corresponding to the fine-tuned tasks has to be established
- Earliest envisaged submission date: end of October.

Acknowledgement

- Thanks for the ICPDR, the EUSDR Hungary Secretariat and the EUSDR PA4 support of the project preparation, active and constructive participation at the Budapest project meeting;
- Thanks for the DTP JS for the possibility to discuss the present version of the draft project proposal;
- Thanks for all project partners, who were enthusiastic to provide information and contributing to the tasks accomplished so far and assure the project preparation with their ceaseless support;
- Special thanks to Andrea Reiter, BayFOR for providing the projectplace platform for communication, her continuous advice and contribution for the preparation of the draft proposal.