



LATVIJAS VIDES, ĢEOLOĢIJAS  
UN METEOROLOĢIJAS CENTRS

# WaterAct overall progress and next steps

**Aiga Krauze**

*Project manager*

Latvian environment, Geology and Meteorology Centre

**WP2 Assessment of common groundwater resources in Gauja/Koiva and Salaca/Salatsi river basins meeting**

April, 7, 2022, Online venue: MS Teams



**WaterAct**

Joint actions for more efficient management  
of common groundwater resources

# WP1 Capacity building through exchange of knowledge and best management practices (Jun 2020 - Sep 2022)



A.T1.1

## Experience exchange within consortium

- identification of methodologies/ approaches to exchange
- identification of gaps
- harmonization of approaches



A.T1.2

## Search for the knowledge outside consortium

- intensive studies of EU level guidelines and best practices from other countries
- proposal for new approaches/ methodologies/ techniques
- recommendations for future

A.T1.3 - A.T1.4

- Experience exchange and trainings at EGU General Assembly 2021
- Capacity building at Nordic Hydrological Conference 2022

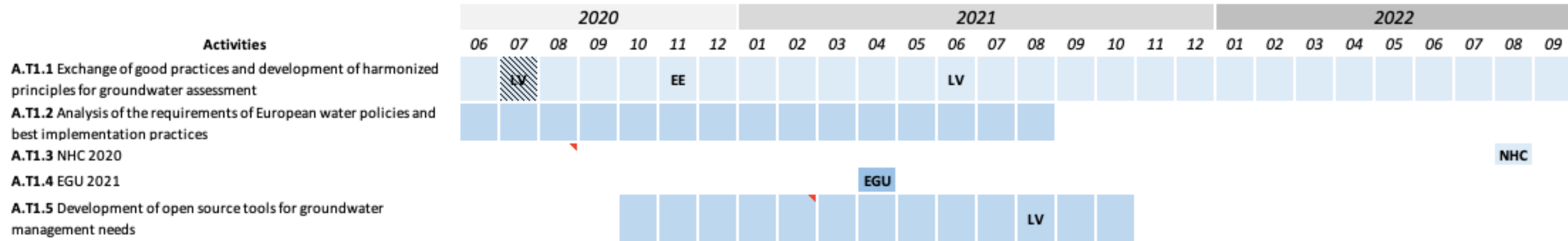


A.T1.5

## Capacity building - introduction to “R” free software environment

- Identification of project consortium needs
- development of scripts and training materials
- Organization of joint training

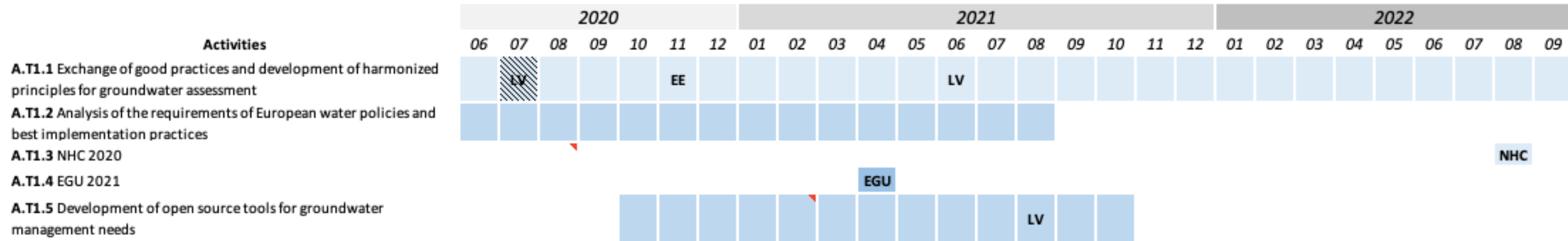
# WP1 Capacity building through exchange of knowledge and best management practices (Jun 2020 - Sep 2022)



## Overall progress:

- A.T1.1** Methodologies have been analyzed and compared, also discussed and compiled in a google document, harmonization is ongoing
- A.T1.2** External expert analyzed the requirements of European water policies and best implementation practices and wrote the final report in English and Estonian
- A.T1.3** NHC2020 canceled and postponed to summer 2022
- A.T1.4** Completed according to schedule
- A.T1.5** R training was organized in August 2021. All Partners participated.

# WP1 Capacity building through exchange of knowledge and best management practices (Jun 2020 - Sep 2022)



## Closest future steps:

- **A.T1.1.** Finalize the development of harmonized principles and Final report **Responsible: LP LEGMC**
- **A.T.1.2.** Completed according to schedule and all requirements fulfilled.
- **A.T1.3** NHC2020 canceled and postponed to summer 2022
- **A.T1.4** Completed according to schedule
- **A.T1.5.** Completed according to schedule and all requirements fulfilled.

# WP2 Assessment of common groundwater resources in Gauja-Koiva and Salaca-Salatsi river basins (Jun 2020 – Sep 2022)

A.T2.1

## Data mobilization



- necessary data identified during WP 1
- filling the gaps (if possible)
- created and exchanged datasets will be stored in external data storage

A.T2.4

## Spring monitoring optimization and watershed modelling

- analysis of seasonal monitoring data of LV springs
- watershed modelling for monitoring springs in Gauja-Koiva and Salaca-Salatsi river basins
- development of conceptual models

A.T2.2

## Assessment of the status of trans-boundary GWBs according to harmonized principles

- trans-boundary GWB delineation in Gauja-Koiva and Salaca-Salatsi river basins
- initial characterization of trans-boundary GWBs
- overall status assessment
- recommendations for future



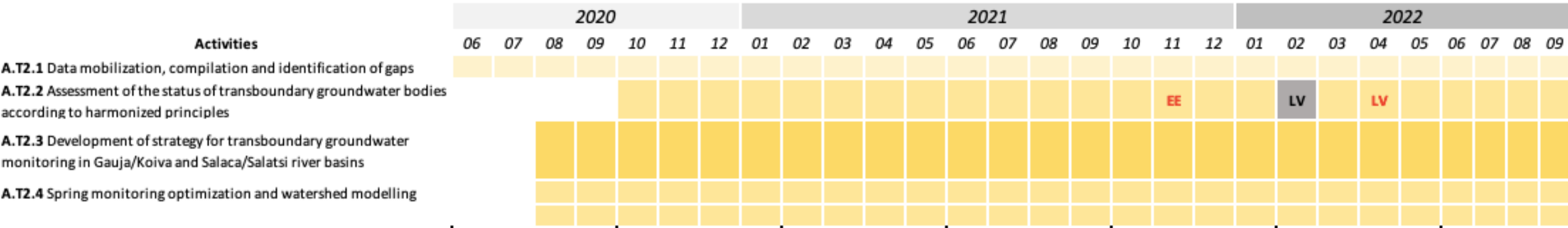
A.T2.3

## Development of strategy for transboundary groundwater monitoring in Gauja-Koiva and Salaca-Salatsi river basins

- exchange of monitoring approaches
- establishment of trans-boundary monitoring network (points, monitoring frequency, parameters)
- recommendation of new monitoring points (springs)
- strategy for annual sharing of data



# WP2 Assessment of common groundwater resources in Gauja-Koiva and Salaca-Salatsi river basins (Jun 2020 – Sep 2022)



## Overall progress:

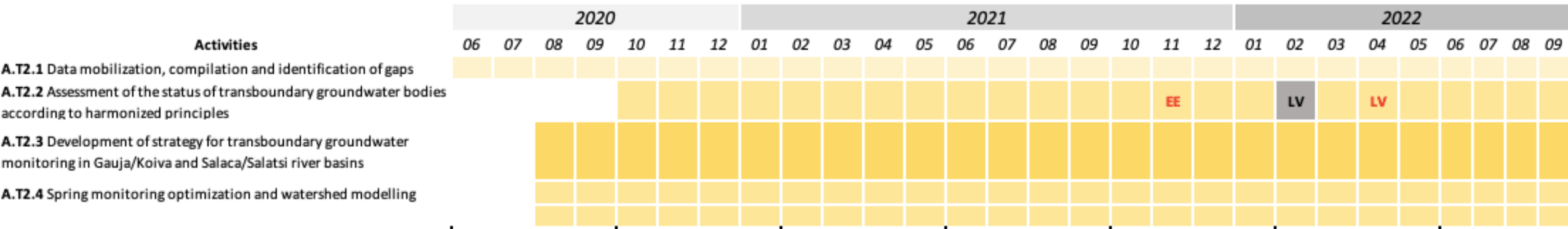
**A.T2.1:** separate section for data exchange between project partners was created in pCloud data storage, where data exchange is ongoing

**A.T2.2:** Compilation of delineated transboundary groundwater bodies has been carried out. Work continues on initial transboundary GWBs characterization. The development of final report has been started

**A.T2.3:** Work continues on the development of a transboundary monitoring strategy, structure of the final report has been prepared and this report is under development. An initial list of existing cross-border monitoring points was identified and the necessary information was collected (current list of parameters to be sampled, frequency). Work has begun on a strategy for annual data sharing. **LEGMC** will organize joint meeting in Riga, Latvia – 7<sup>th</sup> of April.

**A.T2.4:** PP2 PP2 TU and PP3 UL simultaneously in both had two sampling campaigns in Gauja-Koiva and Salaca-Salatsi river basins. Altogether 69 water samples were collected from 47 individuals springs. First sampling campaign (5 days long) took place 25.04.21-29.04.21, where 5 people from PP2 participated and 2 people from PP3 UL. The second sampling campaign (2 days long) took place 12.08.2021-13.08.2021, where 5 people from PP2 participated and 2 people from PP3 UL in Latvia.

# WP2 Assessment of common groundwater resources in Gauja-Koiva and Salaca-Salatsi river basins (Jun 2020 – Sep 2022)



## Closest future steps:

**A.T2.1** Continue on data exchange, compilation and identification of gaps in pcloud. **Responsible LP, PP2 TU, PP3 UL, PP7 GSE and PP8 EEA**

**A.T2.2** Finalize transboundary GWBs characterization, final report development.

**A.T2.3** LP LEGMC will coordinate the development of final strategy.

**A.T2.4** Conceptual model scheme and watershed delineation procedure has been developed, while it still needs to be polished based on the spring data that will be acquired during next campaign.

# WP3 Dissemination and outreach activities (Jun 2020 – Sep 2022)

A.T3.1

## Development of guide for habitat experts

- development of habitat guide
- 2 seminars (one in LV, one in EE) introducing habitat experts with GDTEs concept
- 1 joint field visit (in LV) to test the guide in field conditions



A.T3.2

## Establishment of voluntary spring monitoring

- collection and analysis of existing data (including survey of locals)
- development of web-based map application tool for monitoring needs
- tool introduction to local communities
- visits to at least 10 springs (5 in LV, 5 in EE)
- development of guide for voluntary monitoring needs



A.T3.3

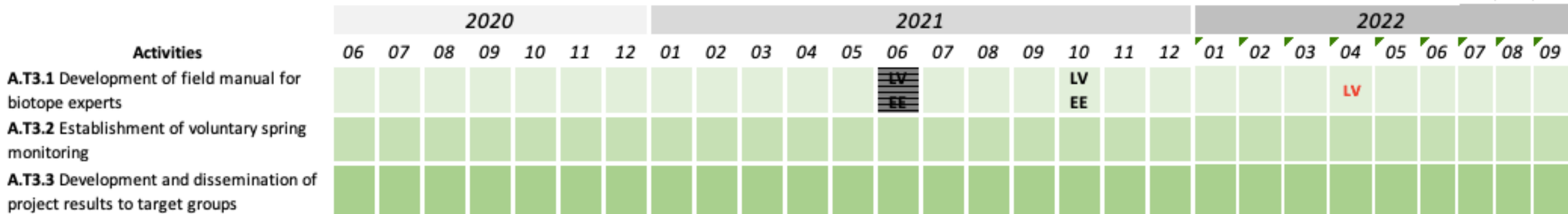
## Development and dissemination of project results to target groups

- development of newsletters (ENG)
- articles in project's social account
- active posting in project partners social media accounts





# WP3 Dissemination and outreach activities (Jun 2020 – Sep 2022)



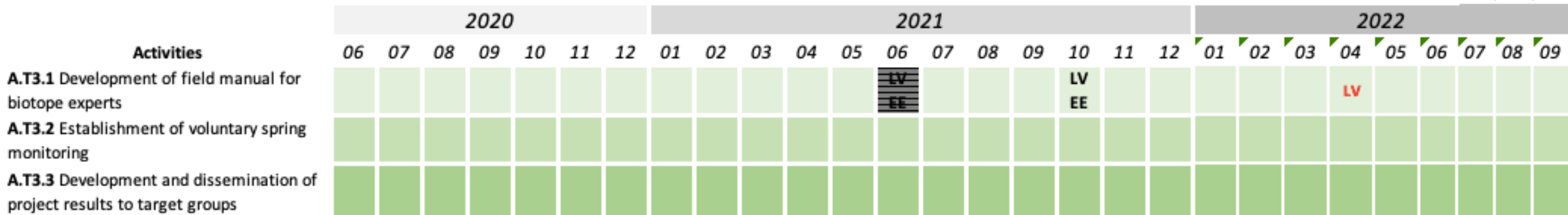
## Overall progress:

**A.T3.1** Habitats guide is almost finished. Joint Expert seminar was organized on 8.10.2020.

**A.T3.2** Spring monitoring guide has been developed in LV, EE, ENG. <https://allikad.info/> has been developed. Spring monitoring campaign has been launched. avoti.info domain has been launched for Latvian side.

**A.T3.3** All Partners have participated in sharing news about the project to their websites and social media. Blog by PP1 LEGMC has been made: <https://aigakrauze.wixsite.com/wateract/blog>

# WP3 Dissemination and outreach activities (Jun 2020 – Sep 2022)



## Closest future steps:

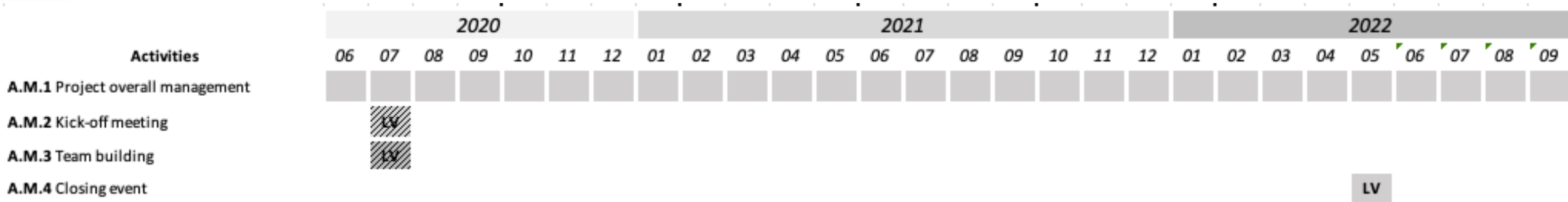
**A.T3.1. Finalize Habitats guide.** PP5 NCA will organize joint field seminar in Vidzeme, Latvia (**April 28<sup>th</sup>, 2022, 1 day**).

**A.T3.2.** Present results from spring monitoring guide in NHC2022. Online versions of guide will be freely available in ENG, LV and EE. **Responsible PP2 TU, PP6 VPR.**

**A.T3.3.** 2<sup>nd</sup> newsletter development in the spring 2022. Write articles about project in blog. Post to partners social media accounts about latest project results and activities. Develop communication strategy in written form.

**Responsible: PP6 VPR and all partners**

# WPM Management (Jun 2020 - Sep 2022)



## Overall progress:

A.M.1. 3 management meetings have been organized.

A.M.2. Kick-off meeting was organized on 29.07.2020.

A.M.3. Ice break activities organized by PP6 VPR during Kick-off meeting on 30.07.2020

## Closest future steps

- At least 4 face-to-face management meetings for the entire project period.
- Online meetings organized according to partner needs.
- Closing event (public) in Vidzeme, Latvia (May 2022, 2 days).

## Responsibilities:

- LP is responsible for overall project management and consolidated reports. **Project manager:** Aiga Krauze, **project financial manager:** Kristaps Caune.
- **All partners** responsible for their own bookkeeping and reporting + answers to comments.

# WPM Management (Jun 2020 - May 2022)

## Financial reporting (each 4 months, in total 6 periods):

- Period 1 (01.06.2020 – 30.09.2020); reporting until 14.10.2020
- Period 2 (01.10.2020 – 31.01.2021); reporting until 12.02.2021
- Period 3 (01.02.2021 – 31.05.2021); reporting until 14.06.2021
- Period 4 (01.06.2021 – 30.09.2021); reporting until 14.10.2021
- Period 5 (01.10.2021 – 31.01.2022); reporting until 14.02.2022
- **Period 6 (01.02.2022 – 31.05.2022); reporting until 14.06.2022**
- Period 7 (01.06.2022 – 30.09.2022); reporting until 14.10.2022

## Consolidated reports:

- After all partner reports have been submitted and accepted by FA.

## At the end of the project:

- Final report compiled by LP.



# 2nd Newsletter

**Deadline** – end of May 2022 after closing event,  
textual (13.05.), editorial (30.05.)

## Topics to be covered:

Info about the project (objectives, outcomes etc.)  
(VPR),

Closing event (VPR),

WP1 main results (LEGMC, MEE)

WP2 main results (LEGMC, UL, TU)

Habitats guide and field visit (NCA),

Spring monitoring guide and results from the  
campaign (TU)

- 5-7 sentences on each topic
- A4 format

Google document link:

[https://docs.google.com/document/d/1ssf-deWjdt34R9iYvIPO6V\\_7qyf12fMur\\_TqlzpHmqQ/edit?usp=sharing](https://docs.google.com/document/d/1ssf-deWjdt34R9iYvIPO6V_7qyf12fMur_TqlzpHmqQ/edit?usp=sharing)



# Thank you!

Contact me:

 [aiga.krauze@lvgmc.lv](mailto:aiga.krauze@lvgmc.lv)



[bit.ly/WaterAct-project](https://bit.ly/WaterAct-project)



[bit.ly/WaterAct-Researchgate](https://bit.ly/WaterAct-Researchgate)



REPUBLIC OF ESTONIA  
MINISTRY OF THE ENVIRONMENT



Nature  
Conservation Agency  
Republic of Latvia



REPUBLIC OF ESTONIA  
ENVIRONMENT AGENCY



GEOLOGICAL SURVEY OF ESTONIA



## WaterAct

Joint actions for more efficient management  
of common groundwater resources