NATALIE

Accelerating and mainstreaming transformative NATure-bAsed solutions to enhance resiLIEence to climate change for diverse bio-geographical European regions

Constructed wetlands in Latvia and Lithuania: Progress in Project, discussing current issues, next steps

CS#3 partners face-to-face meeting, twinning meeting

Biržai, Lithuania, 15-16 May 2025

Ingrida Bremere, Daina Indriksone, Dace Selga**, Baltic Environmental Forum – Latvia (BEF)**

Linda Grinberga, Ainis Lagzdins, **Latvia University of Life Sciences and Technologies (LBTU)**

Raitis Madzulis, Edgars Paulovics, Zemgale Planning Region (ZPR)

Renata Graziniene, Birzai municipality (Birzai)

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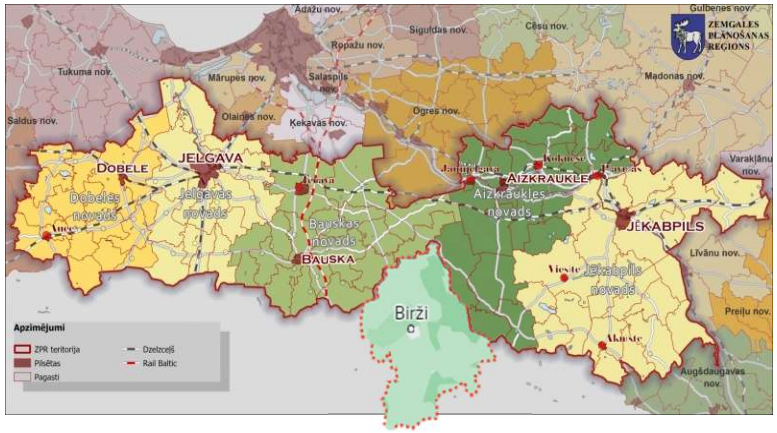
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Baltic Environmental Forum BEF LATVIA

STUDY AREA

Constructed wetlands in Latvia and Lithuania (CS#3) comprise the demonstration site (DS#3) and the follower site (FL#3).



Zemgale region (LV): area 10 742 km2 (16,6% of Latvia); population: ca. 240 000 inhabitants

Biržai (LT): area 1 309 km2; population: ca. 23 200 inhabitants

- Lowland landscape (flat terrain, dense river network)
- Fertile soils, intensive agriculture land, large-scale farming
- Cattle-breeding and poultry farming activities
- Low population density within rural area of the region







DS3 AND FL4 – CHALLENGES OF THE AREA TO CLIMATE CHANGE

Floods



Local draughts



Eutrophication



Maintaining biodiversity

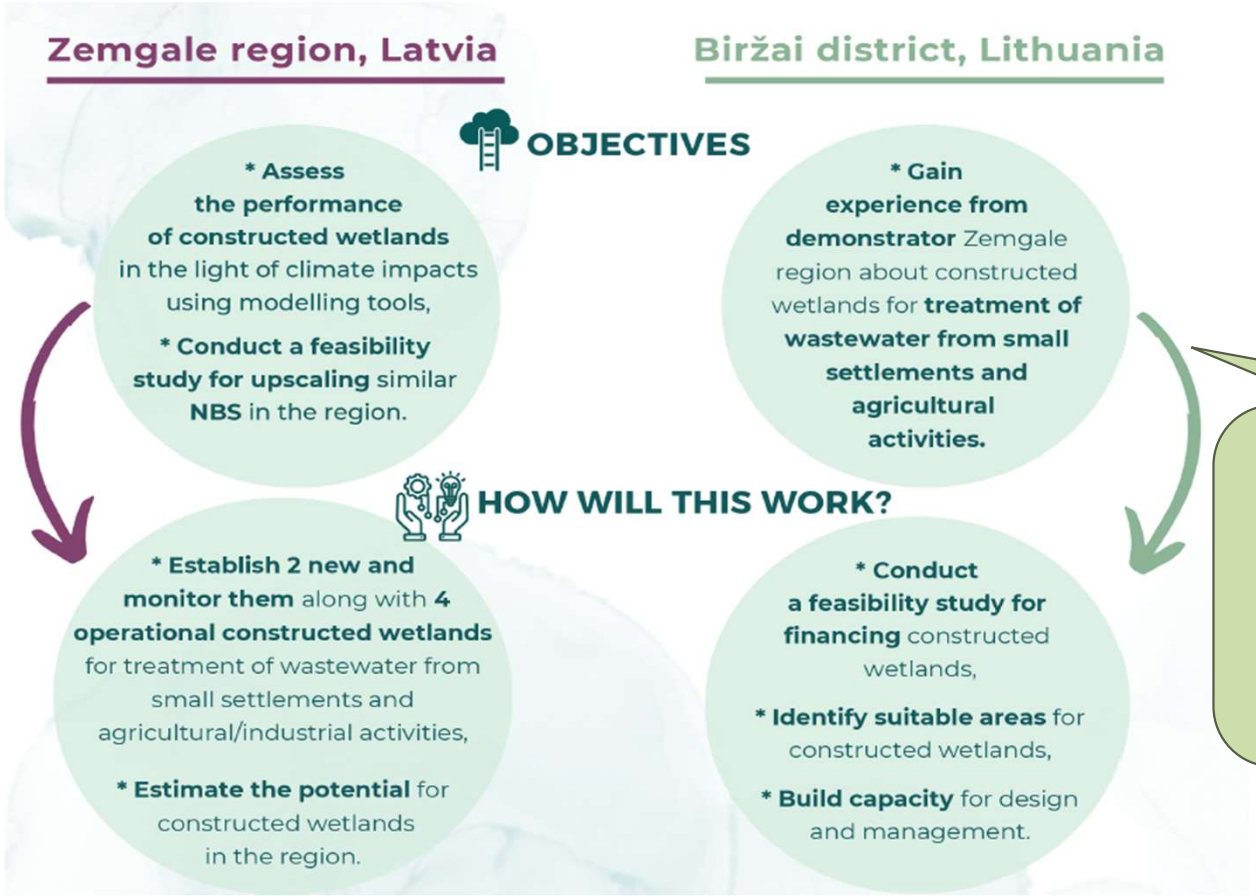




Constructed wetland in Zemgale

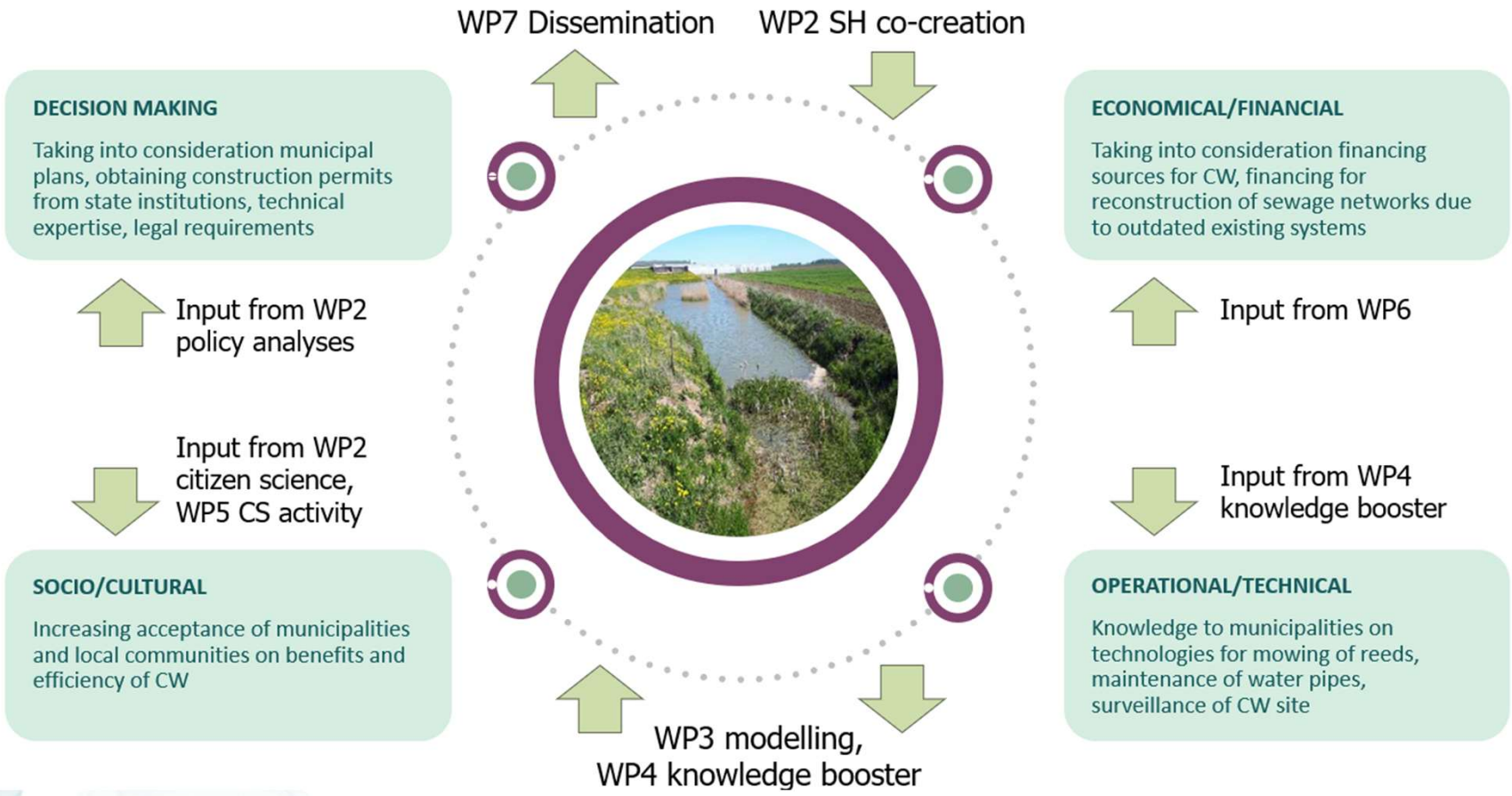
NBS: **constructed wetlands** for treatment of diffuse pollution from agricultural fields, point-source pollution from livestock facilities and wastewater treatment plants from small settlements

THE CASE STUDY IN A NUT-SHELL



The NATALIE project goal is to accelerate adoption of NBS across Europe

APPROACHING CONSTRUCTED WETLANDS IN A HOLISTIC SETTING IN ZEMGALE REGION (WP5)



PROJECT IMPLEMENTATION TASKS

Project implementation tasks as per project DoA: grey cell – allocated, but not designed implementation, green cell – not allocated, but implemented with activity

		14 May 2025				
	NATALIE tasks	**Duration**	**BEF**	**ZPR**	**LBTU**	**Birzai**
WP2	2.1. Mapping stakeholders	1-54	x			x
	2.2. NBS Legal & institutional framework	1-36	x			x
	2.3. Citizen engagement & monitoring	1-60	x	x	x	x
	2.4. Transformation Lab	1-36	x			x
	2.5. Competency groups & TL twinning	6-60	x	x	x	x
	2.6. Mainstreaming NBS	13-60				
WP3	3.1. Levering regional climate&socioeconomic scenarios	5-12				
	3.2. NBS performance assesment tools	3-54	x		x	
	3.3. NBS resilience assessment layer	21-54				
	3.4. Cocreation tools for NBS for mitig. & adaptation pathways	13-54	x	x	x	x
WP4	4.1. Design of NBS Knowledge booster	6-18	x			
	4.2. Open data space for enabling data sharing	8-48	x			
	4.3. Small data empowerment	13-54				
	4.4. Ecosystems data fusion, monitoring, impact assesment	16-48				
	4.5. Development, monitoring of KPIs & assessmnet of NBS	13-48				
	4.6. Strategy for replication, upscaling of NBS knowledge booster	45-60				
WP5	5.1. Development of a roadmap	1-60	x	x	x	x
	5.2. Implementation and testing of actions at CS	4-57	x	x	x	x
	5.3. Validation of solutions for each CS	37-60	x			
WP6	6.1. Nature investment launchramp	1-60	x			
	6.2. Business canvas (NABC)	13-60	x	x	x	x
	6.3. Financing NBS sustainable asset valuation	3-60	x			
	6.4. Communities of practice for scalability and replicability **(story boards)**	1-60	x			x
	6.5. Exploitation roadmap (catalogue, user guide)	25-60	x	x	x	x
WP7	7.1. Communication & dissemination	1-60	x	x	x	x
	7.2. Regional & policy recommendations	13-60	x(?)			
	7.3. NBS and KER catalogue	13-60	x			
	7.4. Social innovation exchange & capacity building	40-60	x(?)			
	7.5. Muliplier effect, networking	1-60	x	x	x	x

IMPORTANT PLANNING ISSUES TO DISCUSS AT THE EVENT

- WP2: bilateral meetings (T.2.1, T.2.3), to identify SH for the competency group (T.2.5)
- WP5: implementation and testing of Constructed wetland solutions, knowledge transfer from LV to LT, concept for presentation at the vGA
- WP6: update on story boards (T.6.4)
- WP7: communication, dissemination (T.7.1), networking (T.7.5.)
- Further cooperation activities of DS#3 and FL#3

EACH CS TO PRESENT

Free format – but use latest NATALIE template (this document) and address the below points:

For each NBS implemented in your CS (if multiple CS, please go through each of the below for each NBS individually):

- Short summary of NBS (1 slide max)
- Presentation of the preparatory steps made for implementation (for example: NBS design, site selection, stakeholder consultation, permitting, tendering for civil works)
- Presentation of implementation (if already started) and main results achieved
- Roadmap for next 12 months: which actions will be taken to (complete) implementation of NBS, monitoring of NBS (1 slide max, e.g. use Gantt chart)
- Discussion of any potential risks identified and deviations anticipated (delays in planning, change in costs, legal blockages, …) (1 slide max.)

Focus on sharing content about the NBS and its implementation, not on individual actions.

Reporting on meetings, communication actions, alignment with WP2, WP3, WP4, WP6 etc. is done in the weekly meetings – this vGA focuses on sharing an *overall summary of the status* of NBS implementation in your CS

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www.natalieproject.eu

@NatalieProject

natalieproject@oieau.fr

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