



Fluss frei!

Dam removal hits Switzerland



DRE Workshop Birmingham

25.09.2017



Why

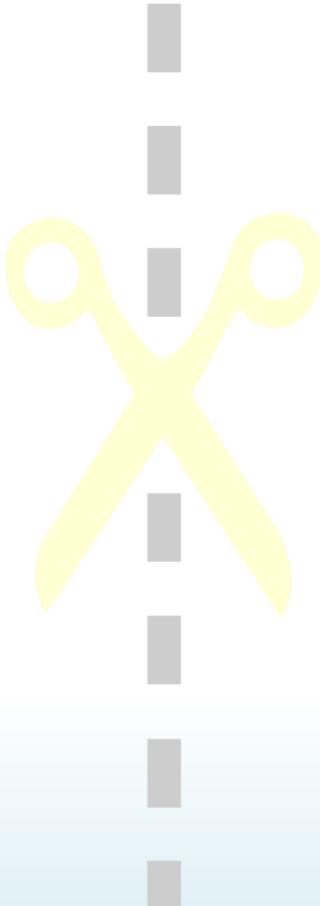
What for

How

Where

Who

PROGRAMME



- 1. Why?** – the problem
- 2. What for?** – the goals
- 3. How?** – the project *Fluss frei!*
- 4. Where?** – the project areas
- 5. Who?** – the project group



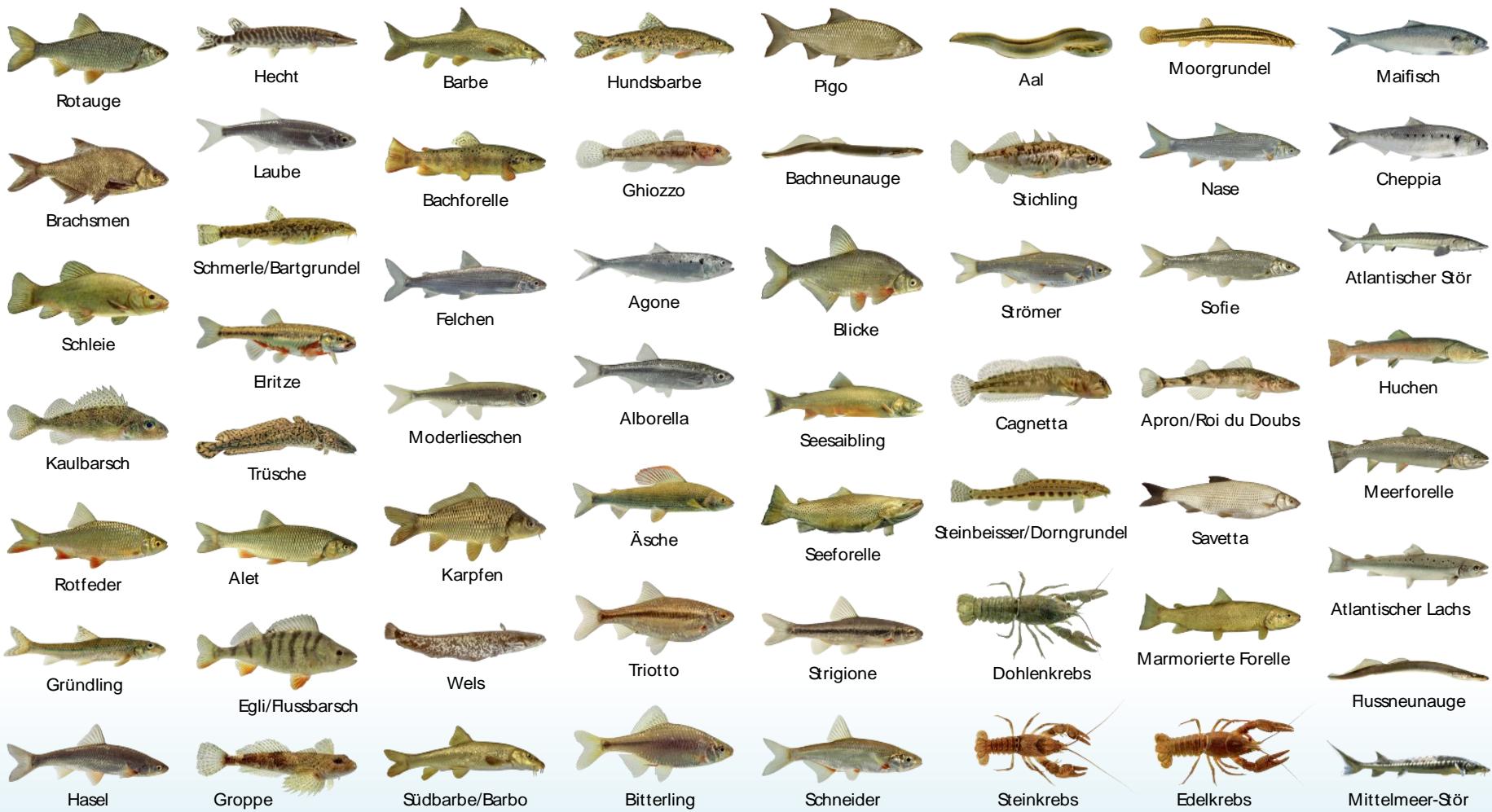
Why

What for

How

Where

Who



M. Roggo



Fluss frei!

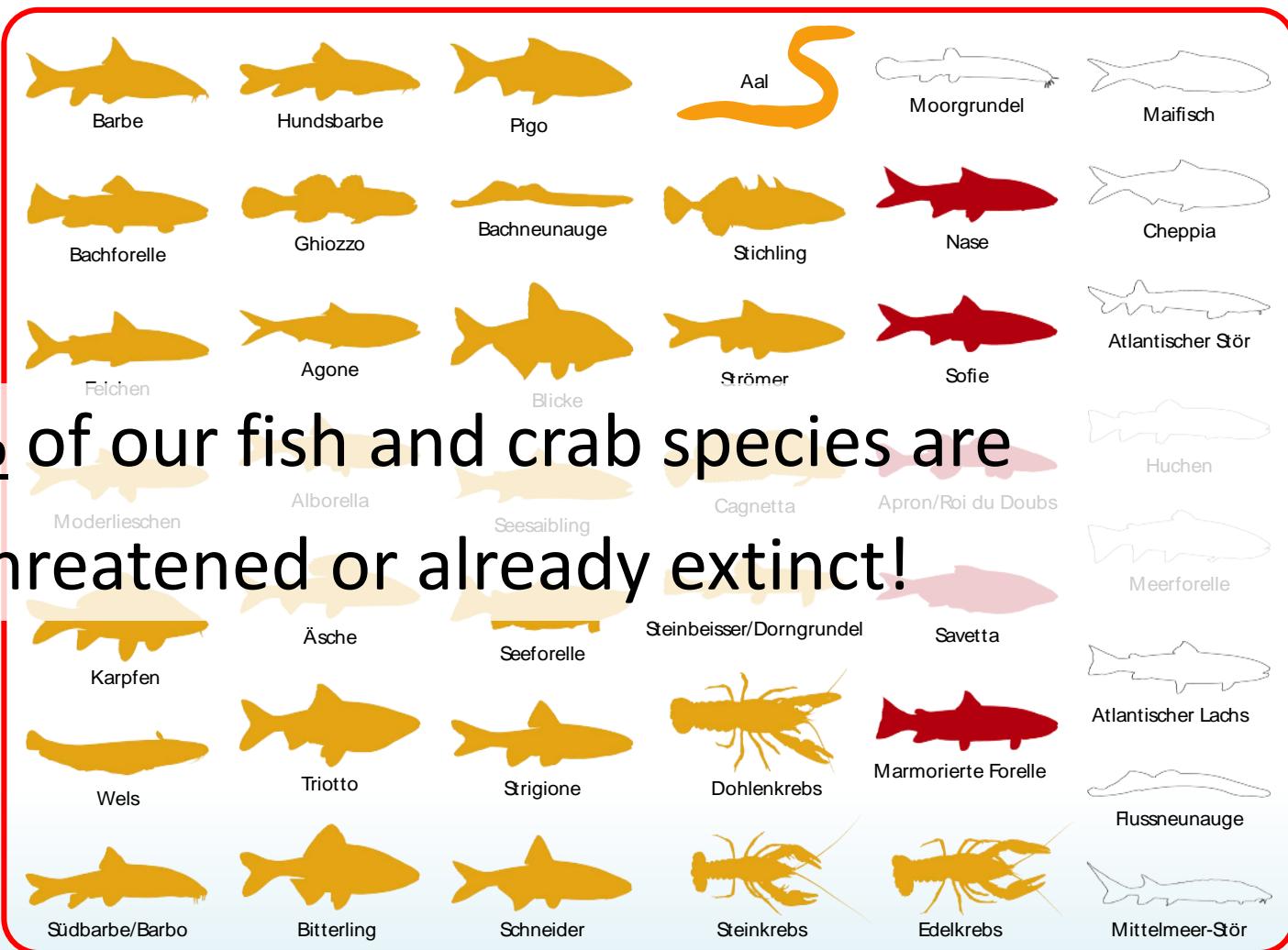
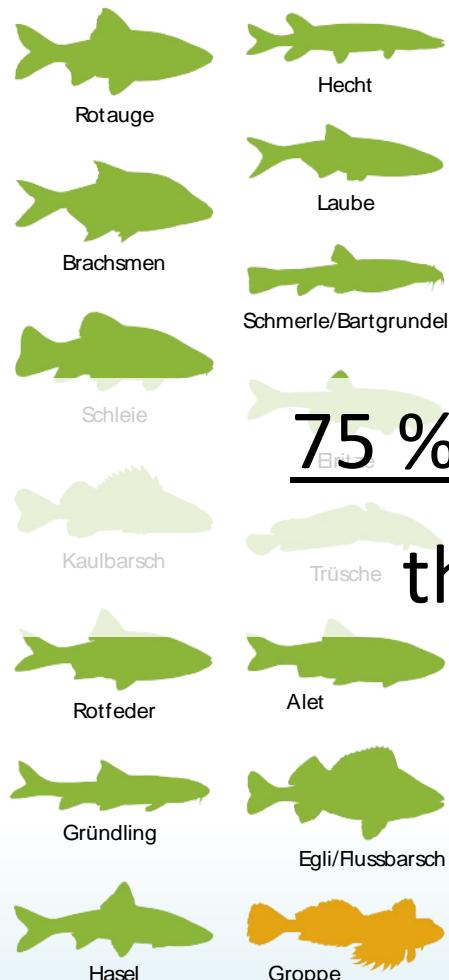
Why

What for

How

Where

Who



■ nicht gefährdet

■ gefährdet

■ vom Aussterben bedroht

□ ausgestorben



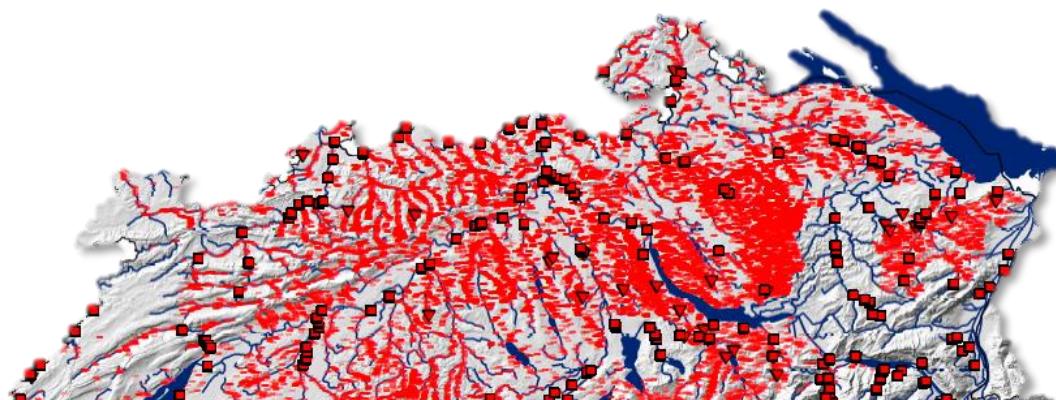
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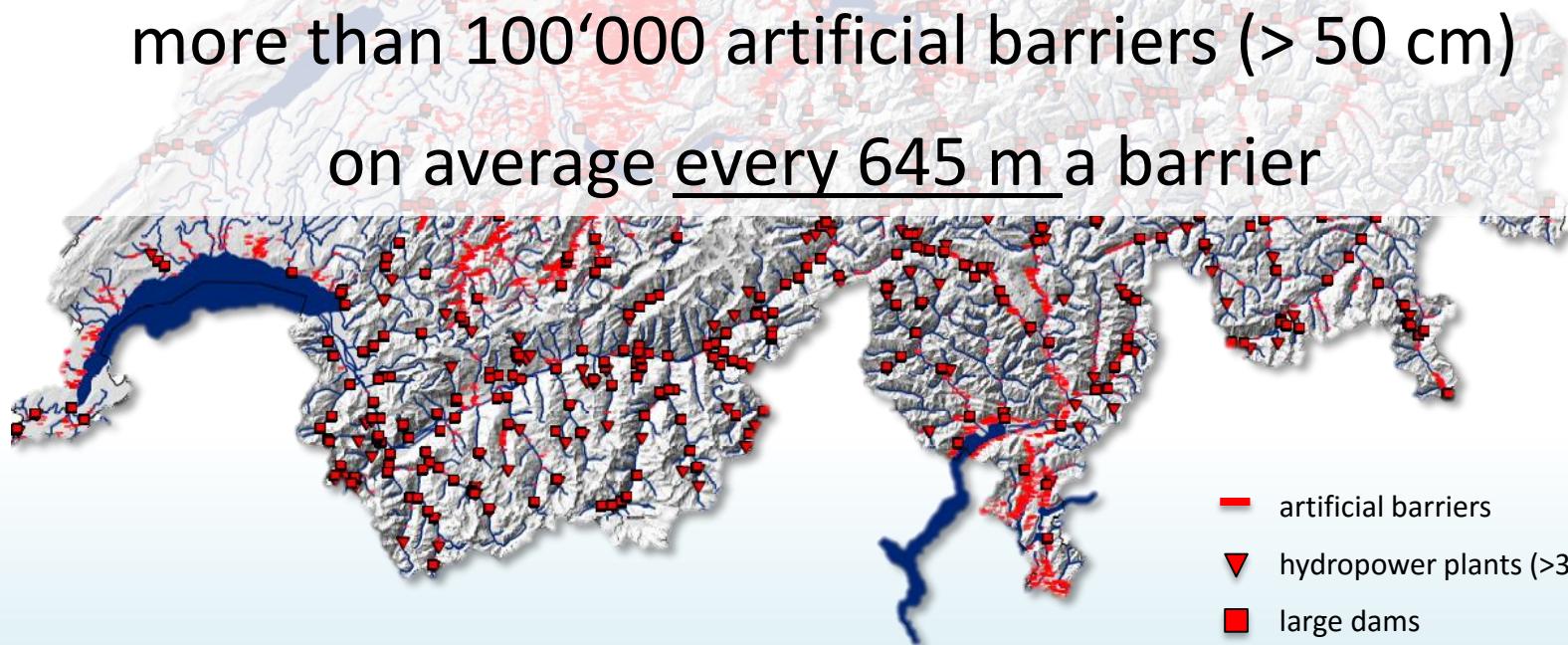
Where

Who



more than 100'000 artificial barriers ($> 50 \text{ cm}$)

on average every 645 m a barrier



Why

What for

How

Where

Who

VISION



*By removing obsolete barriers we want to
reconnect rivers and improve the aquatic
habitats in general.*



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PROJECT GOALS

- **Removal** of as many as possible (unnecessary) barriers: longitudinal connectivity of the river stretches is restored
- Development of a **practice-oriented approach** for the removal of unnecessary barriers
- **Raising awareness of authorities and the general public**



Tagliamento



MODULES

Module 1: Analysis and typification

Collection, analysis and typification (function, zone etc.) of the existing barriers in selected catchment areas (CA)

Module 2: Rating, selection and feasibility

Calculation of the „removal potential“: ecological potential, technical feasibility → selection

Module 3: Pre-Project

Development of pre-projects for the most promising objects of module 2

Module 4: Removal

Development and implementation of construction projects (incl. monitoring)

Scientific support
Sensitization and public relations



Why

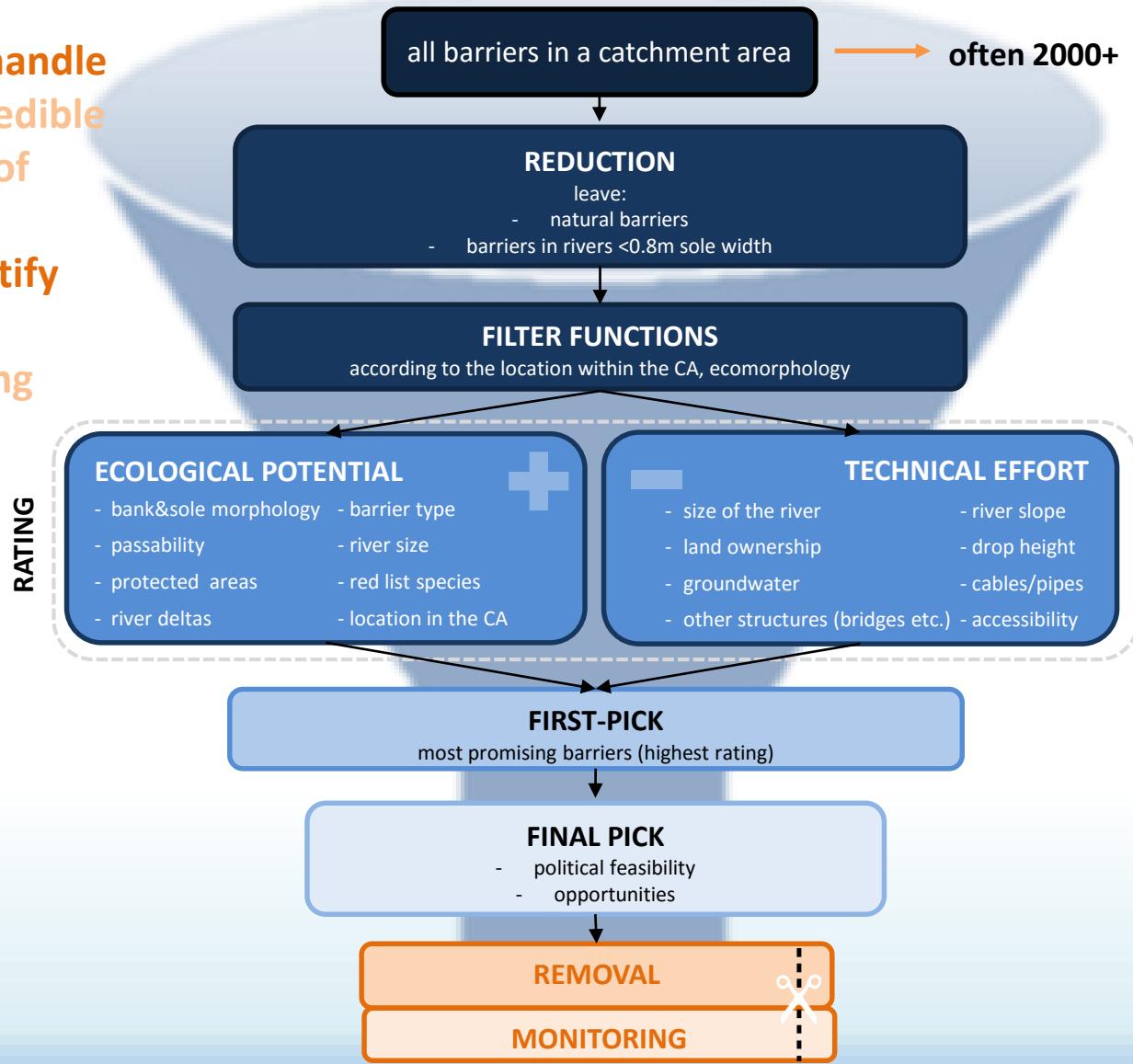
What for

How

Where

Who

How to handle
that incredible
amount of
barriers
and identify
the most
promosing
ones..



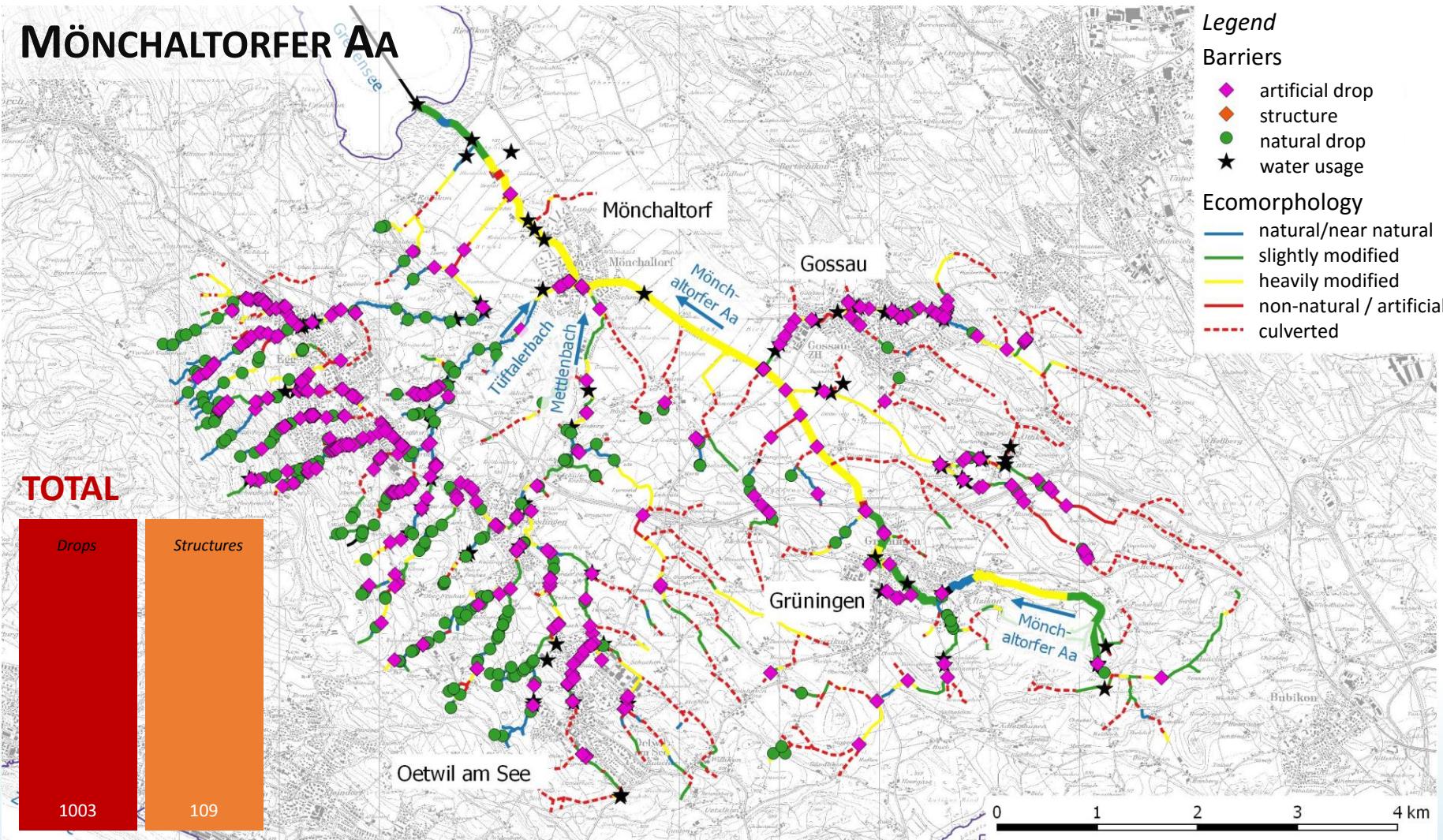
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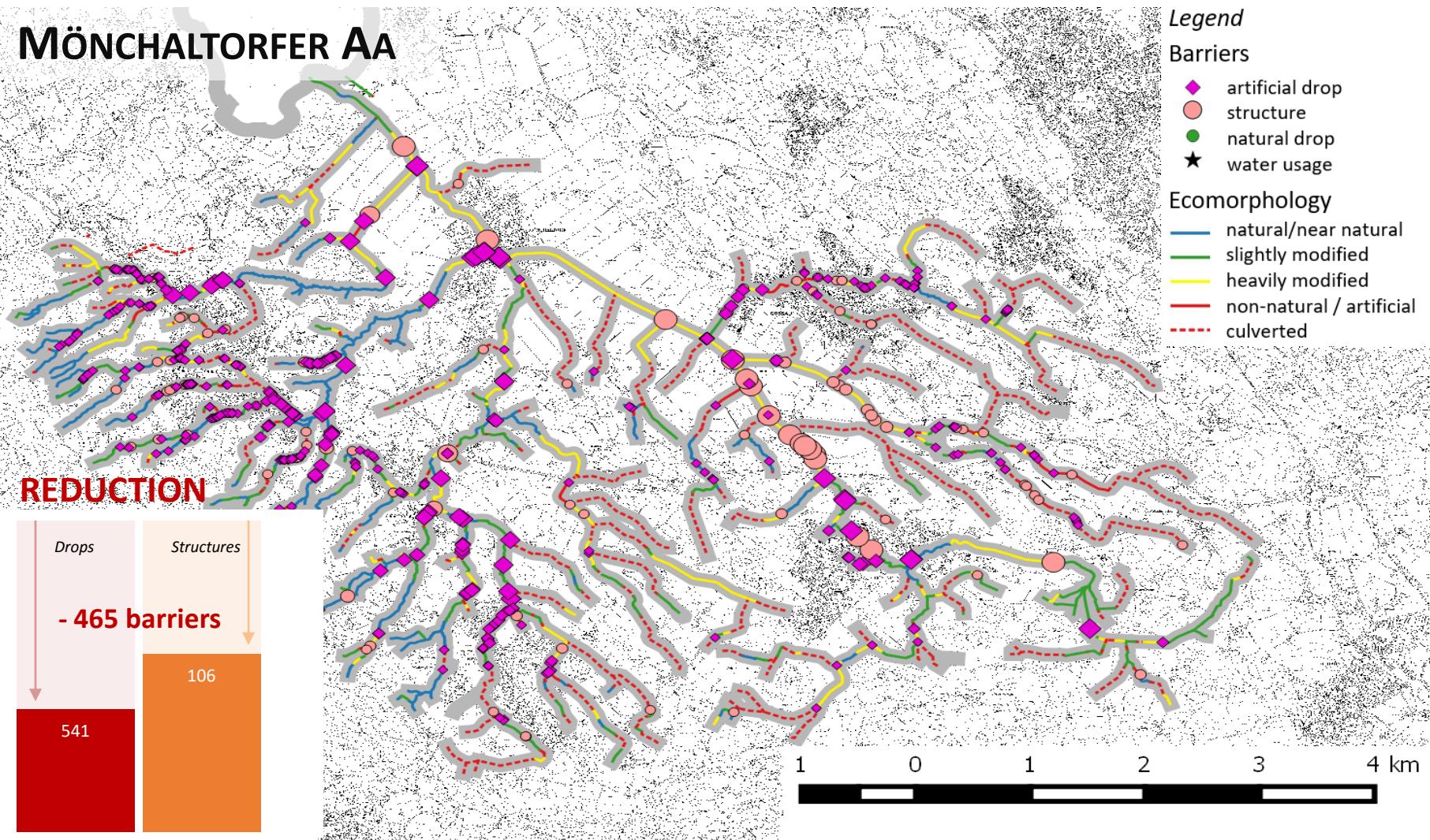
What for

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MÖNCHALTORFER AA



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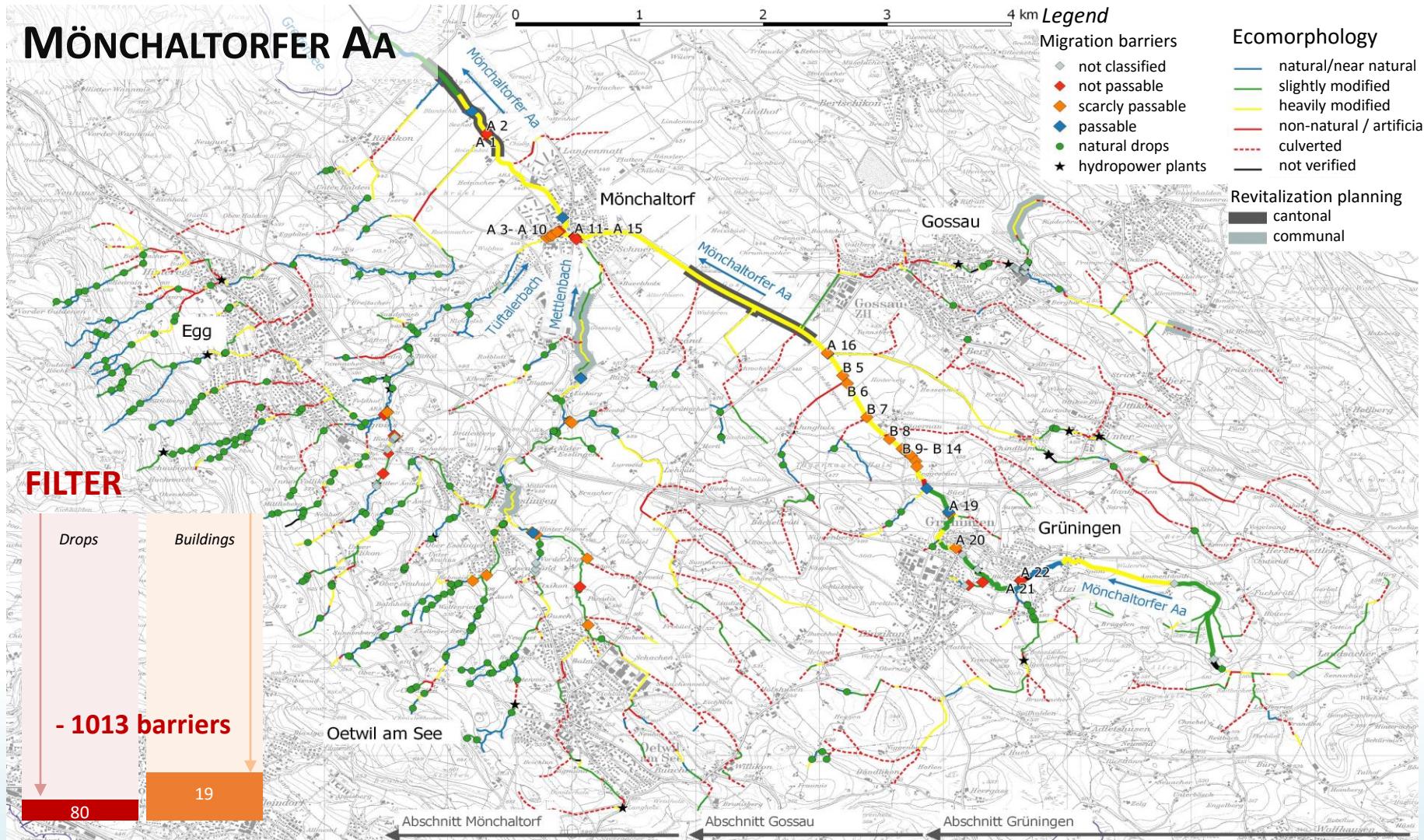
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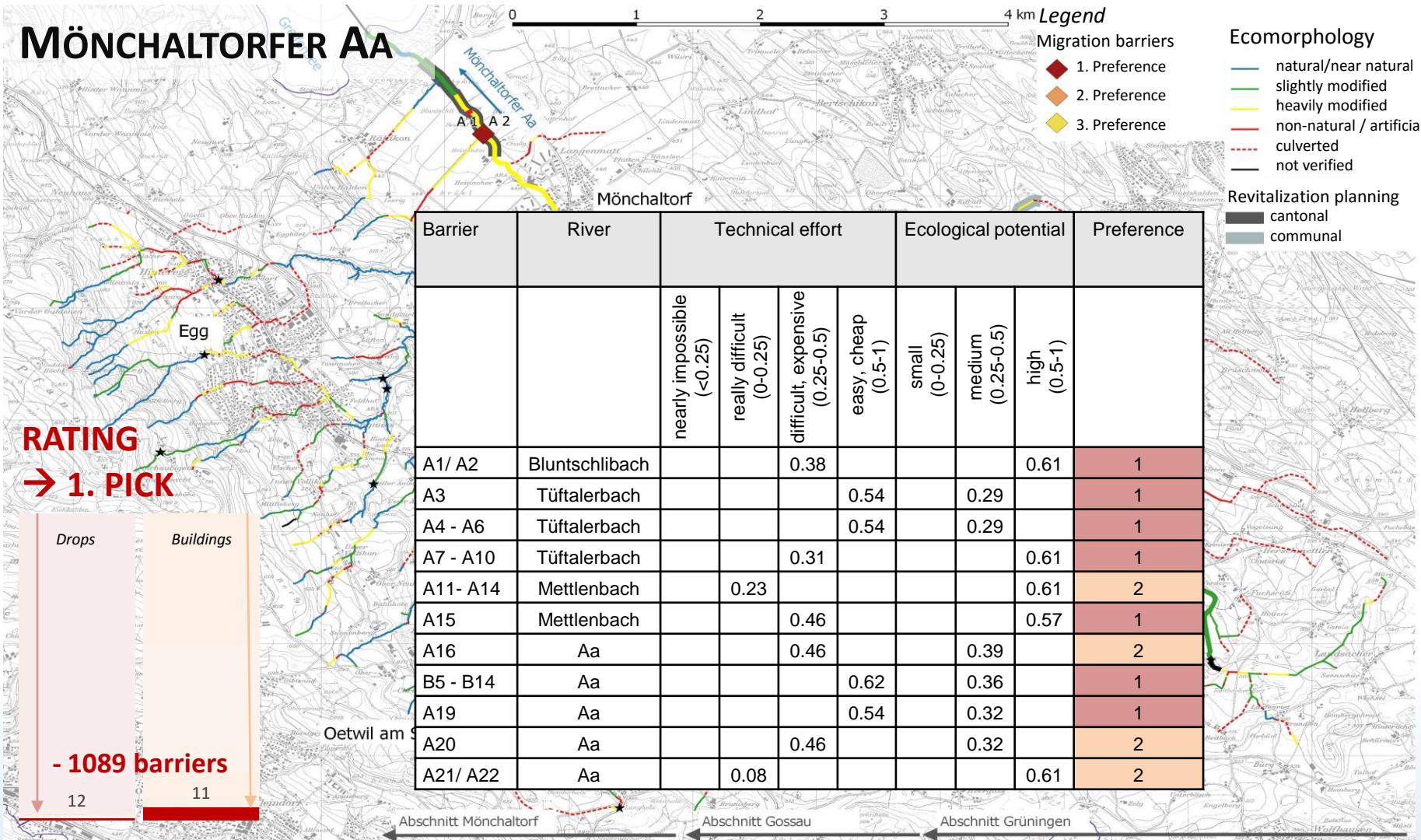
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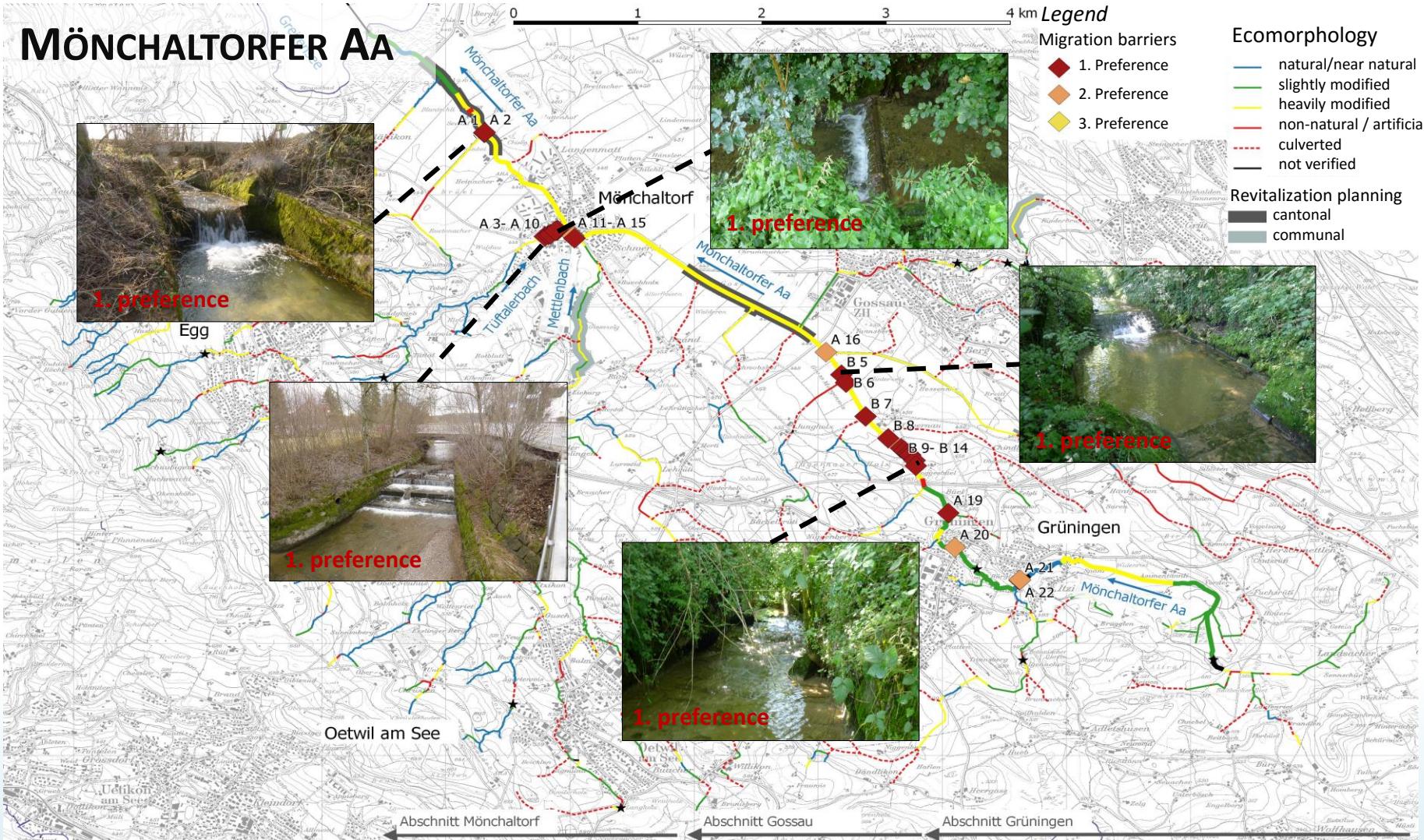
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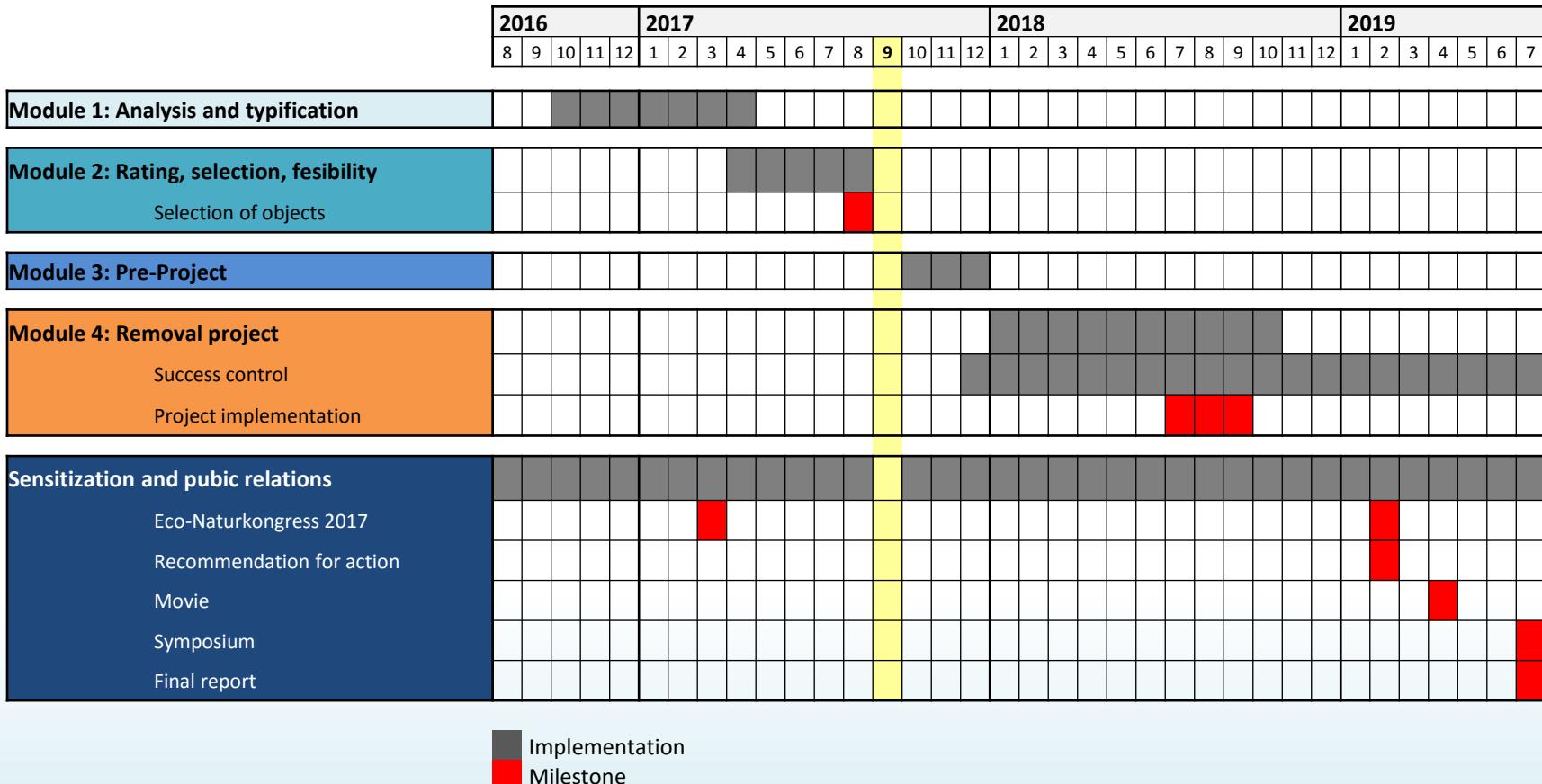
Where

Who

Feasibility studies, pre-projects, ...



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SCHEDULE**1. Phase: 2016 - 2019**

Why

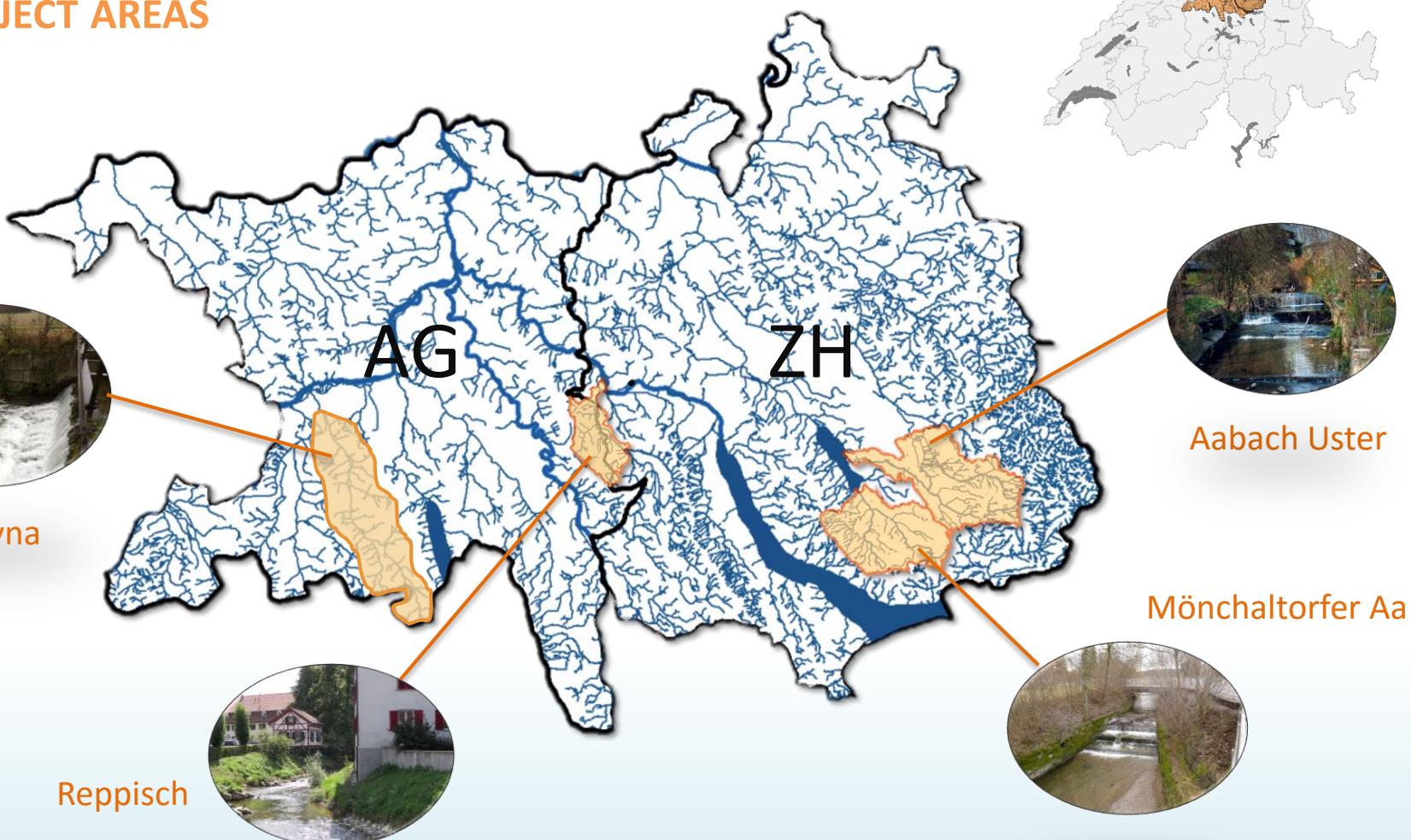
What for

How

Where

Who

PROJECT AREAS



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Why

What for

How

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PARTNERS



Bundesamt für Umwelt BAFU

Office fédéral de
l'environnement OFEV



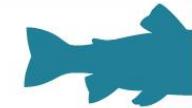
Kanton Zürich
Baudirektion
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Energie und Luft

eawag
aquatic research ooc



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PETER
FISHCONSULTING



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**Thanks for your attention –
questions?**