

Flood protection in Styria

EURORAI 2025 Geneva

Jürgen Kasper

StZPlus Flood in the Rhone Valley

Loss of Porsche production - Due to flooding in Switzerland

23.07.2024



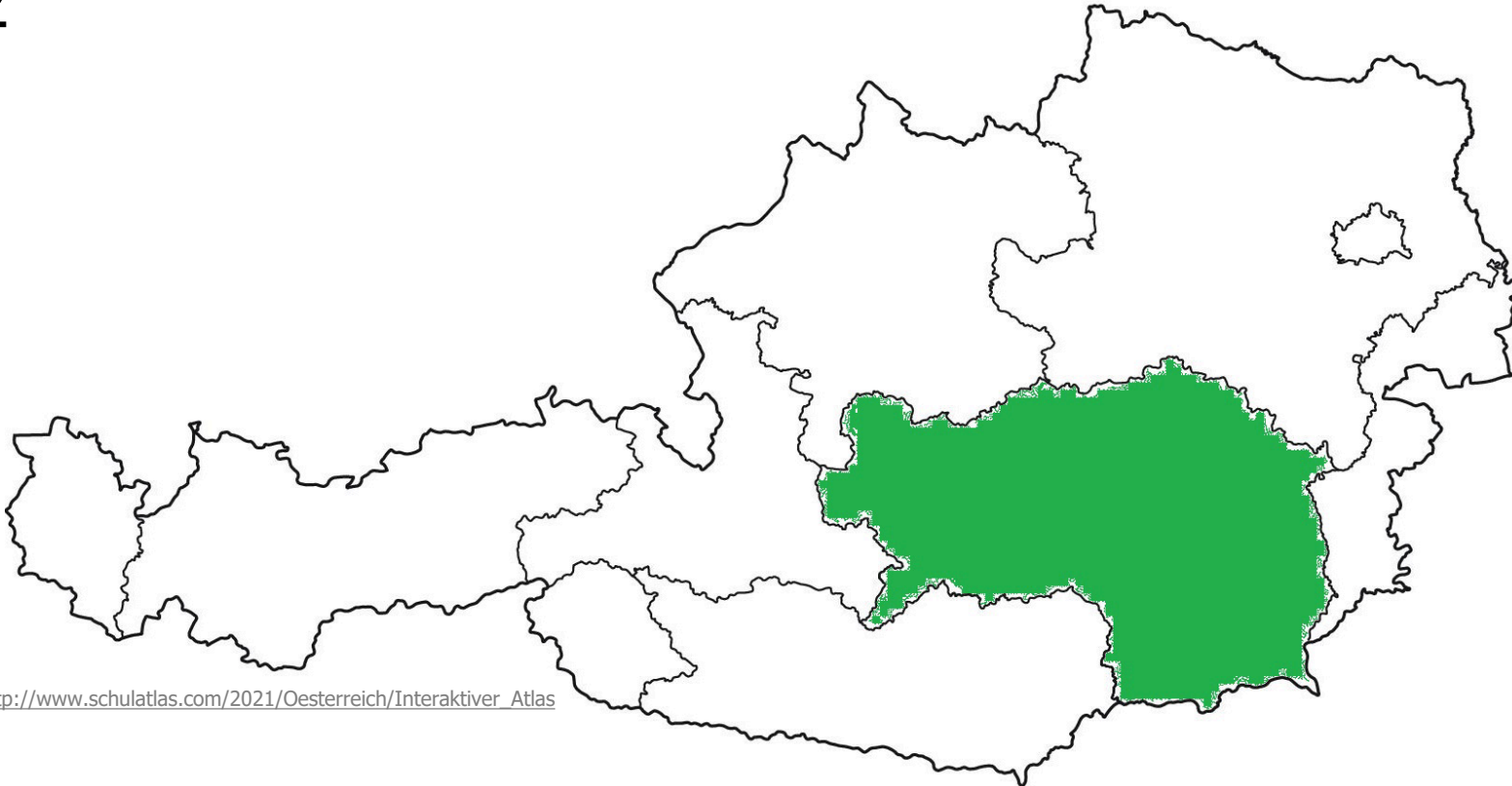
photo source: KEYSTONE//Olivier Maire

<https://www.stuttgarter-zeitung.de/inhalt.ueberschwemmungen-im-rhonetal-ausfall-der-porsche-produktion-hochwasser-in-der-schweiz-ist-schuld.11ad2ad7-7723-4a74-8f3a-8479aed81f04.html>

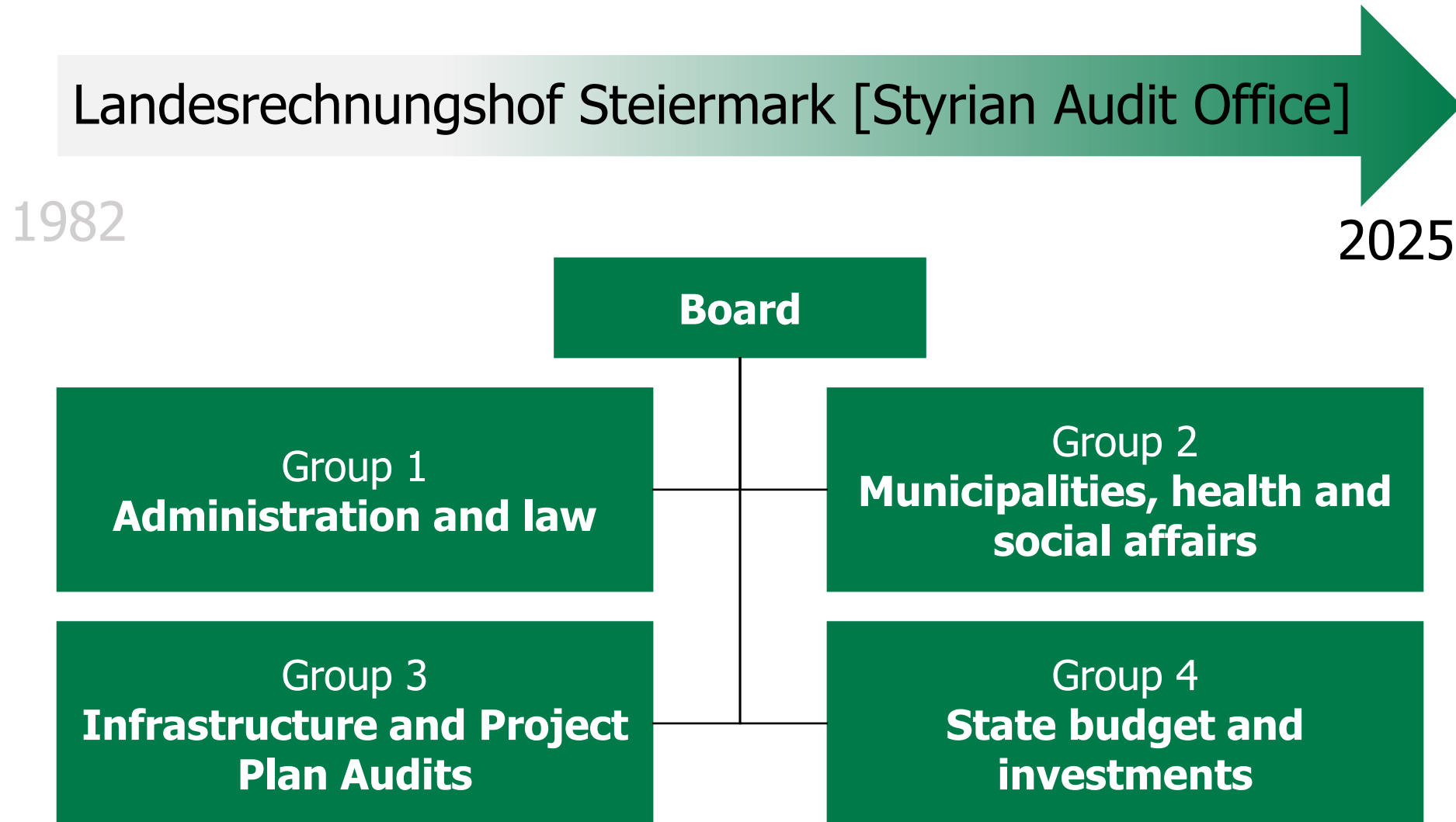
Landesrechnungshof Steiermark [Styrian Audit Office]

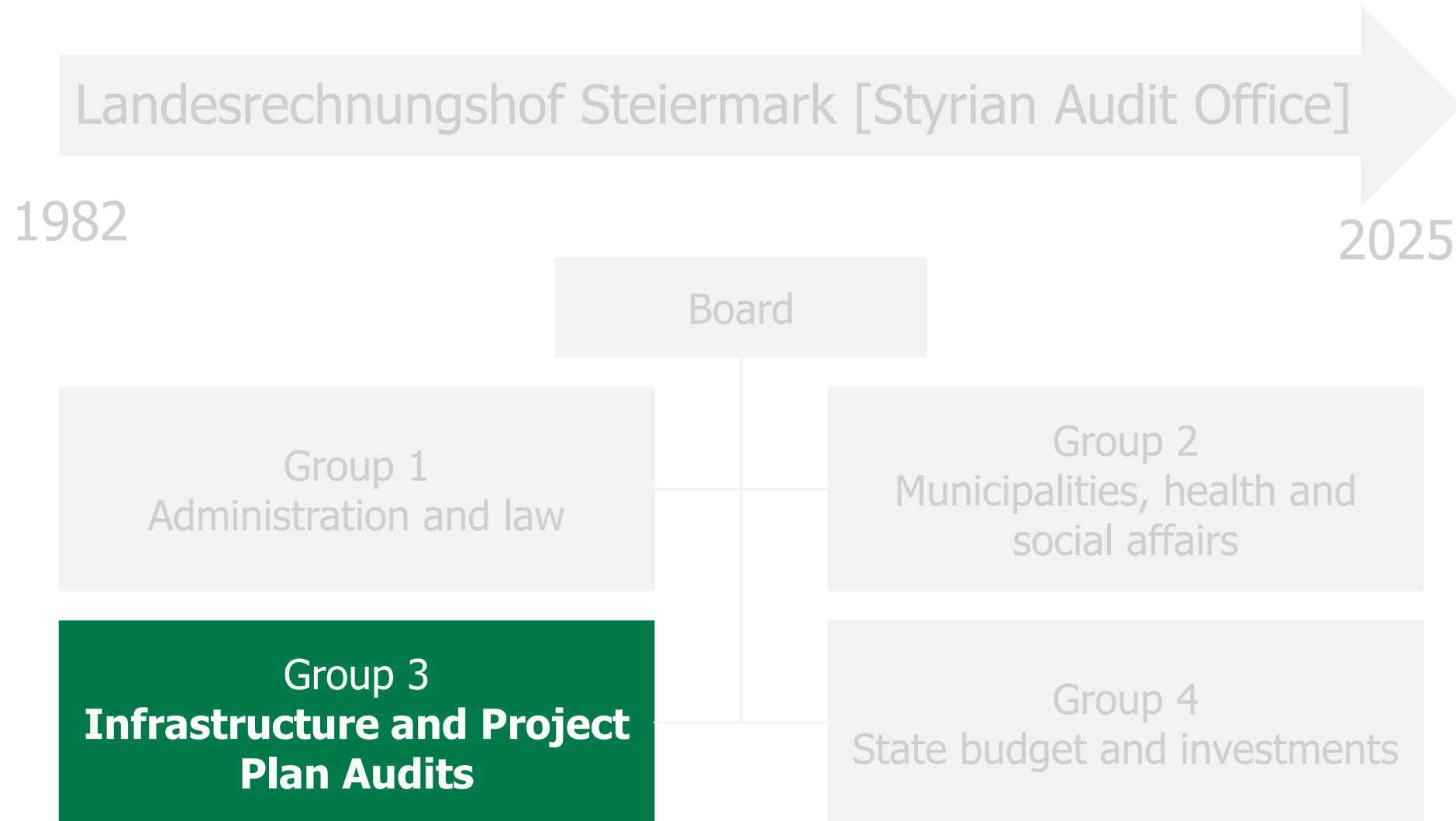
1982

2025



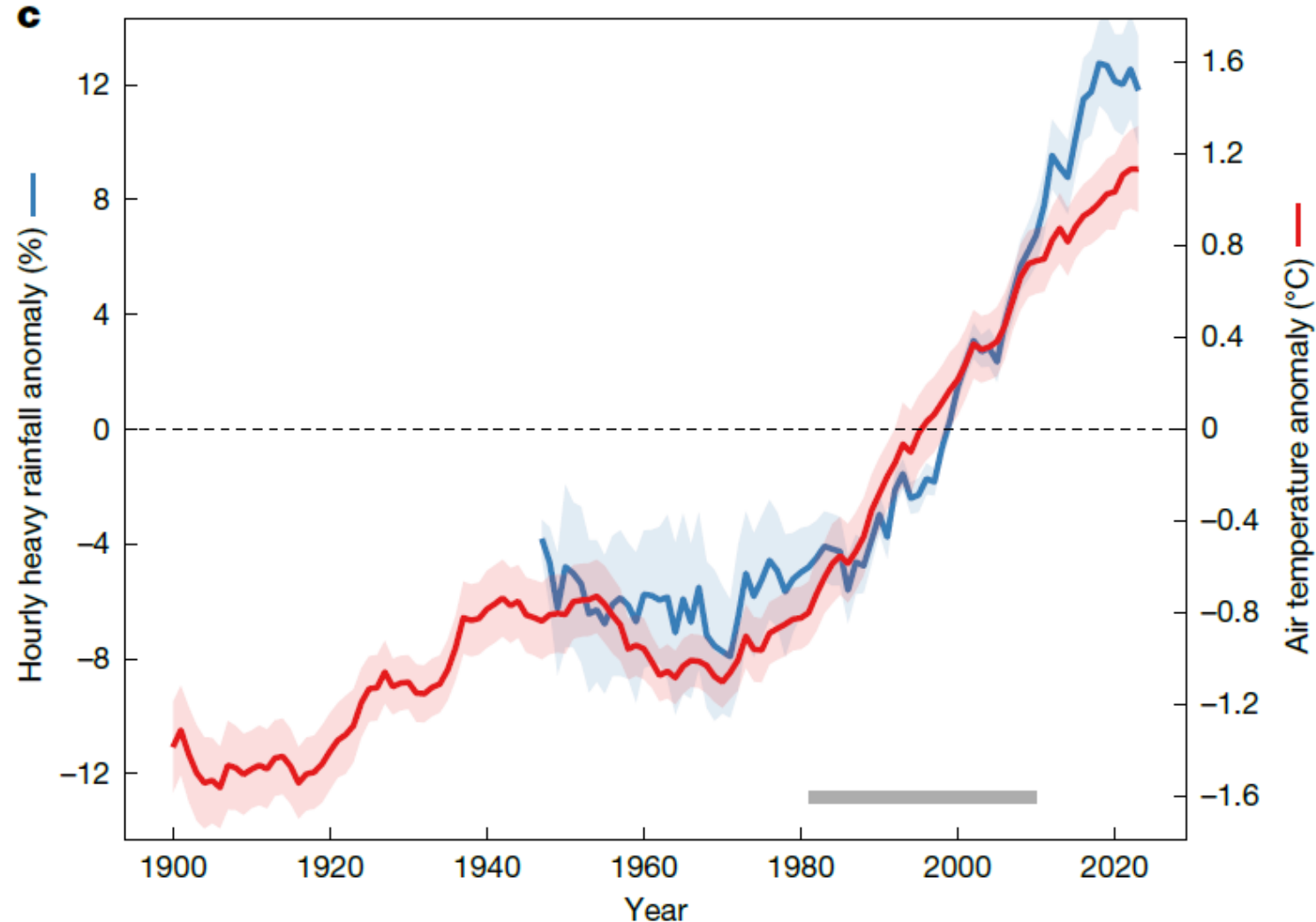
http://www.schulatlas.com/2021/Oesterreich/Interaktiver_Atlas





- General
- Funding management
- Project management
- Effectiveness/impact
- Regional planning
- Key recommendations - outlook

Warming - heavy rainfall



Increasing hourly heavy rainfall in Austria reflected in flood changes. *Klaus Haslinger, Korbinian Breinl, Lovrenc Pavlin, Georg Pistotnik, Miriam Bertola, Marc Olefs, Marion Greiling, Wolfgang Schöner & Günter Blöschl* [Nature 12.05.2025](https://doi.org/10.1038/s41586-025-08647-2)

<https://doi.org/10.1038/s41586-025-08647-2>

4 billion EUR in economic damage per year (Austria)

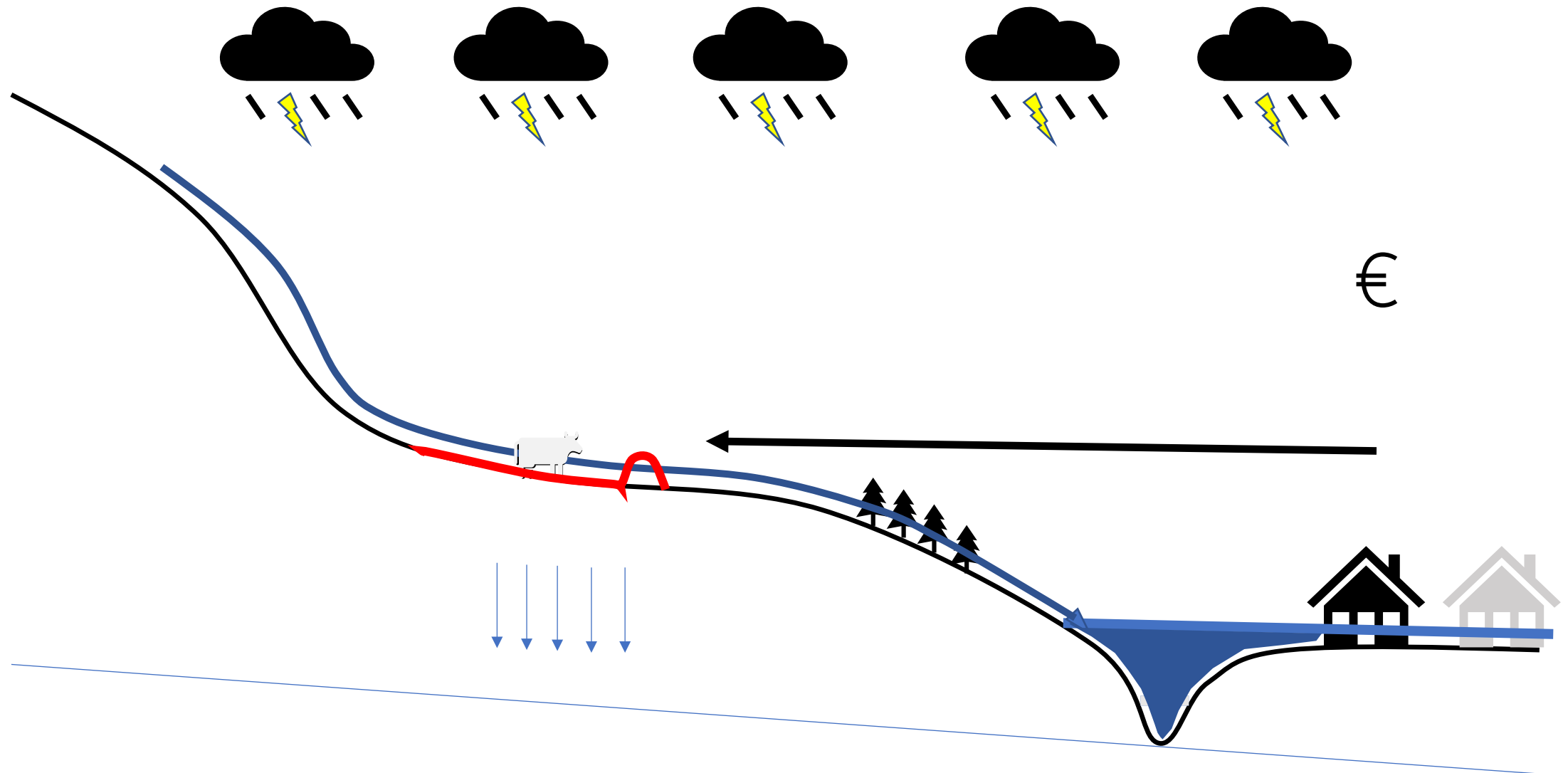
1 billion EUR in insured damage per year (Austria)

1.3 billion EUR due to the flood disaster in September 2024

300 million EUR invested in flood protection per year (Austria)

160 million euros for the period from 2021 to 2025 (Styria)

Flood



Example: Retention basin



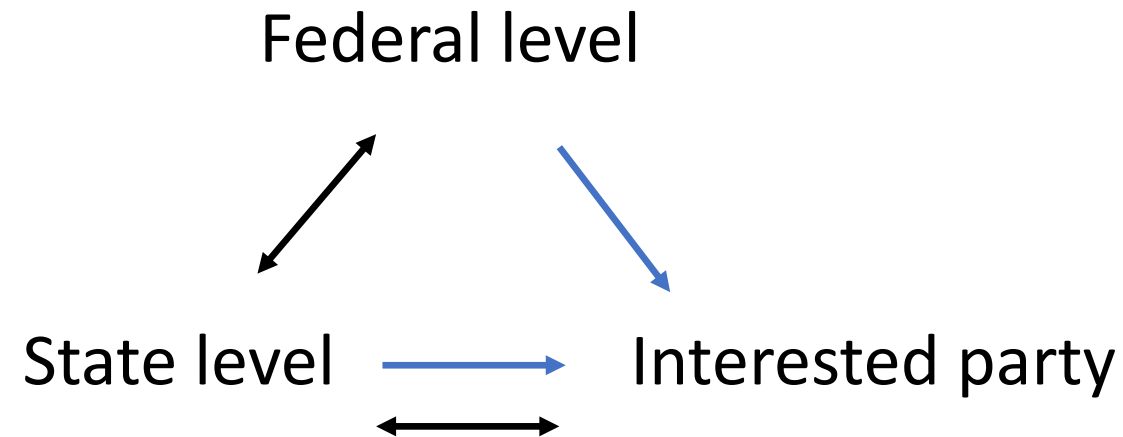
Source: Department 14

Example: Retention basin

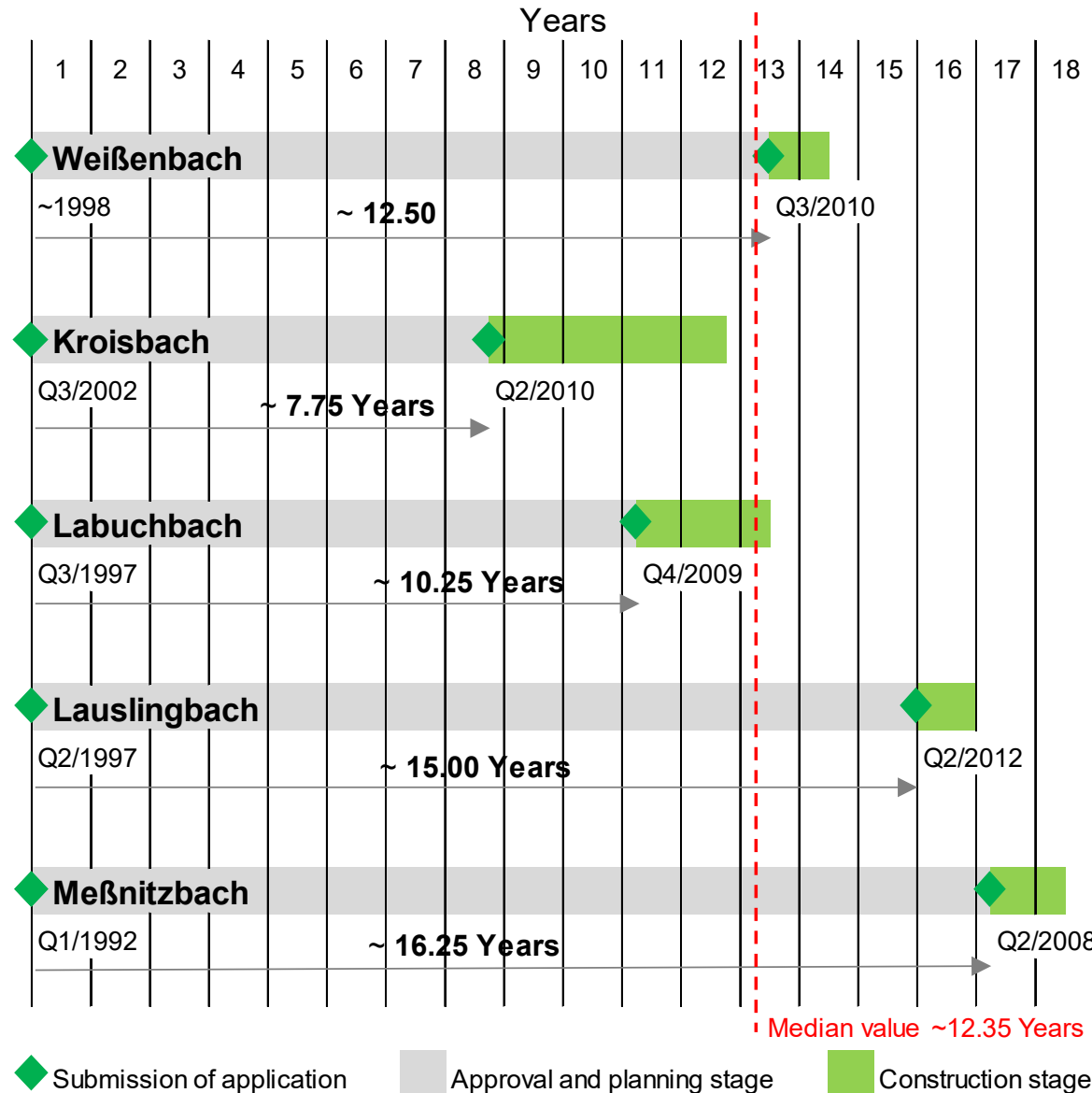


Source: Department 14

- Funding management - project management



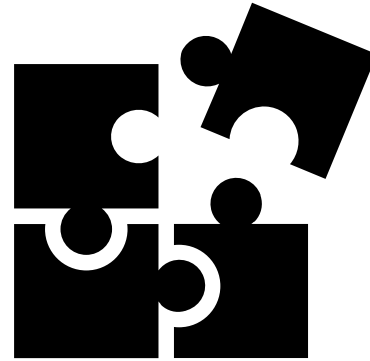
Implementation period



12.35 years

Regional planning act

Land use plan

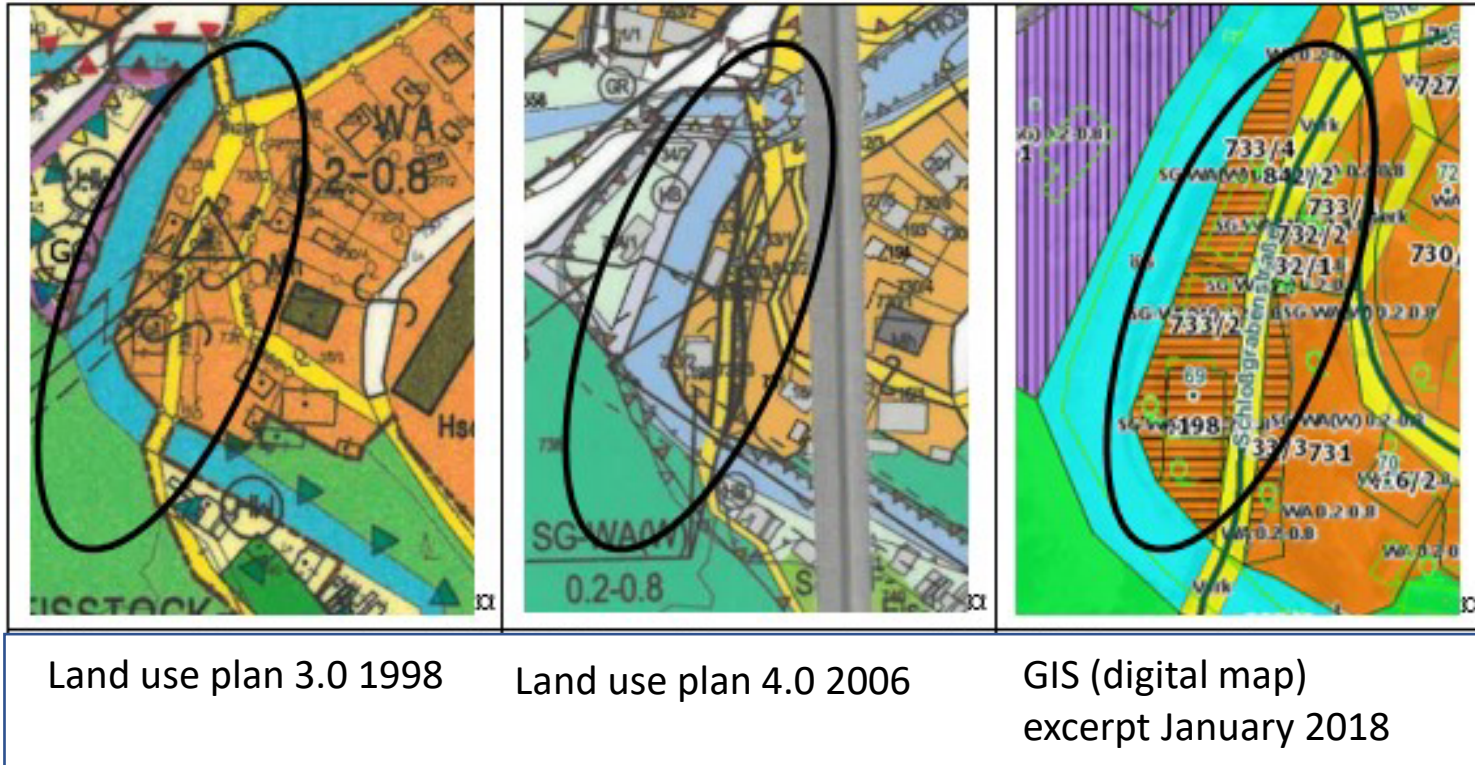


Flood protection

Flood protection
programme

Example of a land use plan

Weißbach



State objective: In Styria, residential and commercial areas are protected as effectively as possible against the natural hazard of water.

Indicators		Unit	2025 budget	2024 budget	2023 situation	2022 situation
I06	Investment rate for new flood protection construction (2021 to 2025)	%	100.0	73.0	43.0	28.0
I07	Flood risk management – implementation of hazard zone plans (2021 to 2027)	km	735	731	320	410
I02	Hazard zone planning for federal water management's reporting water network - new designation	km	3165	3154	3100	3060
I05	Additional objects protected from flooding (including high-value infrastructure)	Number	500	500	542	613

Impact of the projects examined since commissioning

- Simpler processing of funding ✓
- Transparent ranking of projects ✓
- Measures to speed up project implementation ✓
- Improvements in the area of service procurement ✓
- Transparent construction process ✓
- Timely final inspection





Source: Department 14 – Stefan Ribitsch

Thank you for your attention.



Source: Department 14 – Ribitsch



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Source: Department 14 – Ribitsch



Source: Department 14 – Ribitsch



Source: Department 14 – BBL OS



Source: Department 14 – Fink