

Modellierung in der Evaluation am Beispiel der Landnutzungsstudie

Landnutzung in Österreich **ohne** GAP Zahlungen -
Konsequenzen für die Landwirtschaft

Erwin Schmid, Franz Sinabell

Frühjahrsworkshop des AK-Strukturpolitik der DeGEval

Wien, 11 June 2026

Mit Unterstützung von Bund, Ländern und Europäischer Union

 Bundesministerium
Land- und Forstwirtschaft,
Regionen und Wasserwirtschaft

 **WIRleben Land**
Gemeinsame Agrarpolitik Österreich


Kofinanziert von der
Europäischen Union



background & motivation & context

Mit Unterstützung von Bund, L.
Bundesministerium
Land- und Forstwirtschaft,
Regionen und Wasserwirtschaft

gemäß Artikel 140, Verordnung (EU) 2021/2115

**Evaluierungsplan für den
Strategieplan Österreich 2**

Koordination: BM, Abteilung W/2 als Verwaltung
Stand: Finalisierung: 16. Mai 2023

WIFO ÖSTERREICHISCHES INSTITUT
FÜR WIRTSCHAFTSFORSCHUNG

**BOKU
UNIVERSITY**

**The use of simulation models in
ex-ante, mid-term and ex-post
evaluation**

The model PASMA in Austria

Erwin Schmid, Franz Sinabell

**EU CAP
NETWORK**

Good Practice Workshop
Bari, 2 to 3 April 2025

Sonstige Themen	kein SZ	kein Evaluierung
	kein SZ	kein Evaluierungselement

 European Commission

Joint Research Centre

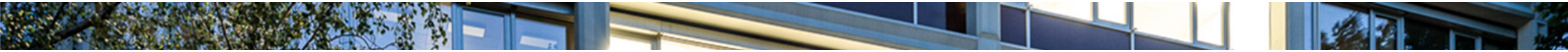
Scenar 2040

A scenario study on the Common Agricultural Policy

Fellmann, T., Taccianari, G., Lacarte Lopez, J., Rey Vicario, D., Beber, C., Barbosa, A.L.,
De Jong, B., Ferrari, E., Gocht, A., Izbassou, A., Klümmert, A., Klemm, D., M. Barek, R.,
Philippidis, G., Roldán, B., Tillie, P., Weiss, F., Genovese, G.

2025





content of the analysis



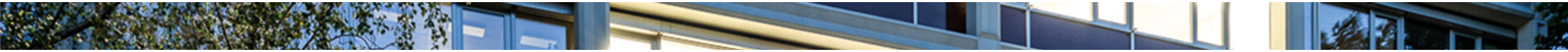


Scope and research questions

- **Reference** situation for **preparation** of policy scenarios
 - Reference situation 2020–2022 CAP (programm 14-20)
 - Reference situation 2023–2024 with CAP-SP
- **Policy** scenarios: **NO payments CAP 2020-2022 / CAP-SP 2023-2024**
 - **Impact analysis:** In the absence of CAP / CAP-SP interventions – what happens?
 - **Outcome analysis:** How is the attainment of SOs of CAP-SP affected by different interventions ?
 - **Indicator analysis:** What are the consequences for the intensity of land uses, GHG-Emission and nutrient use?



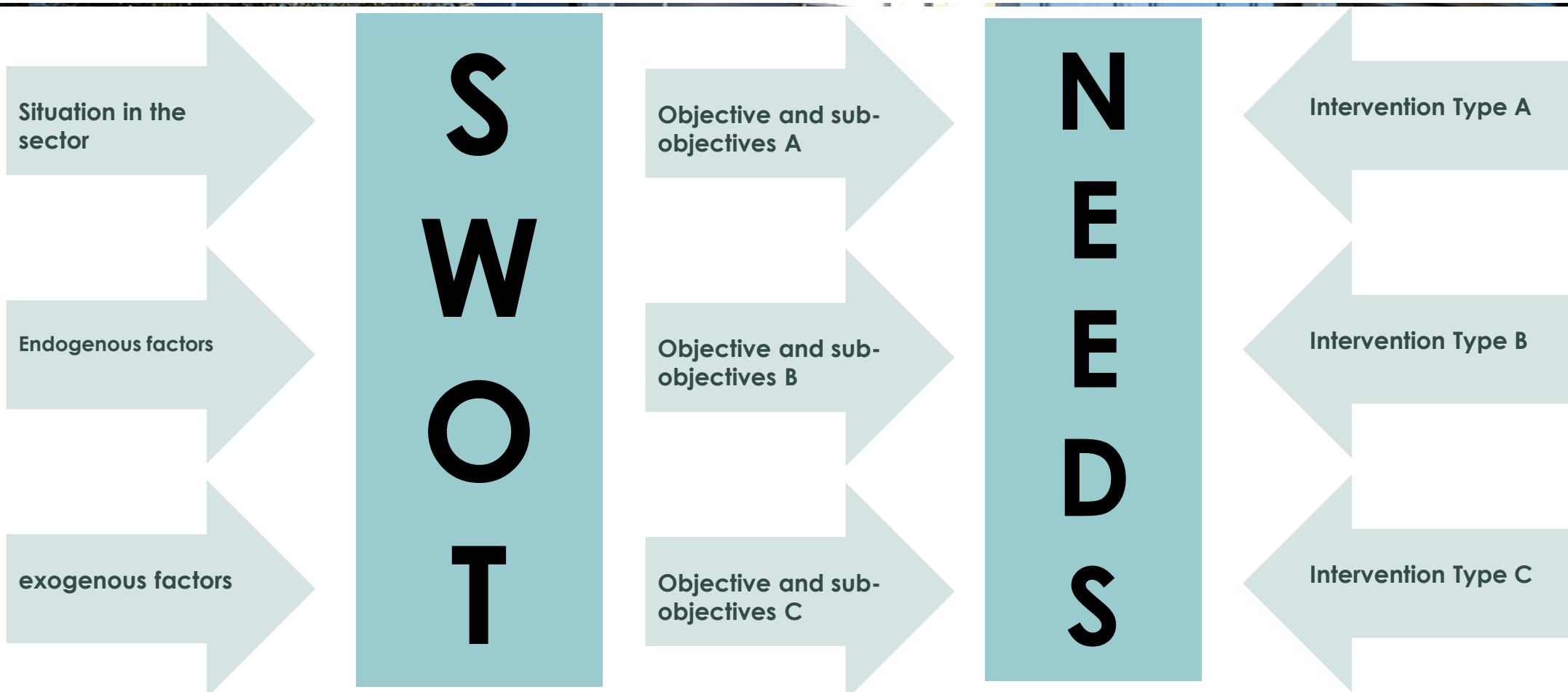
Policy scenario – **WITHOUT** CAP payments but **WITH** CMO

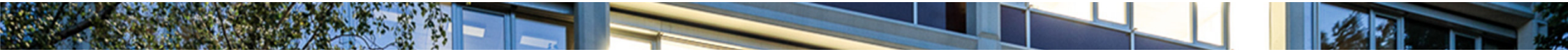


Motivation – why such a scenario



The logic behind agricultural policy reform

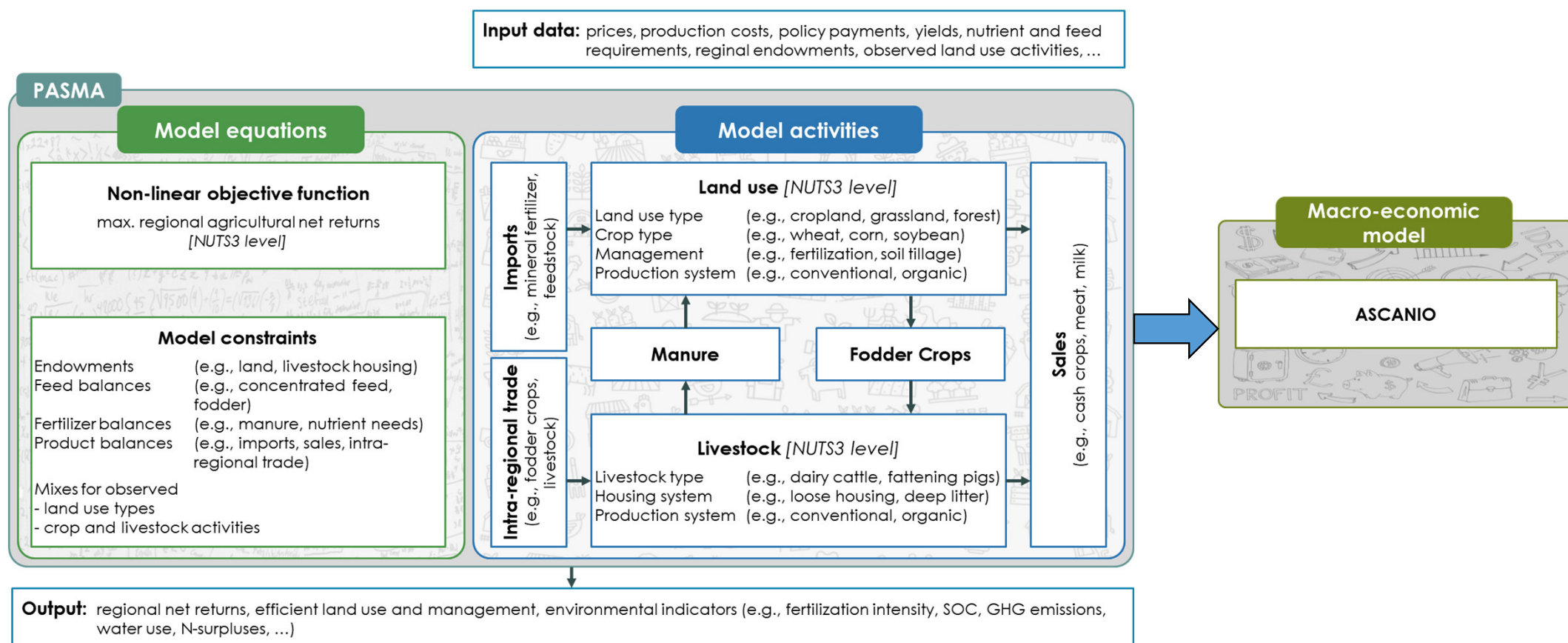


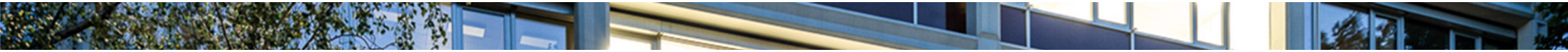


Methods



Method: PASMA model (similar to CAPRI)



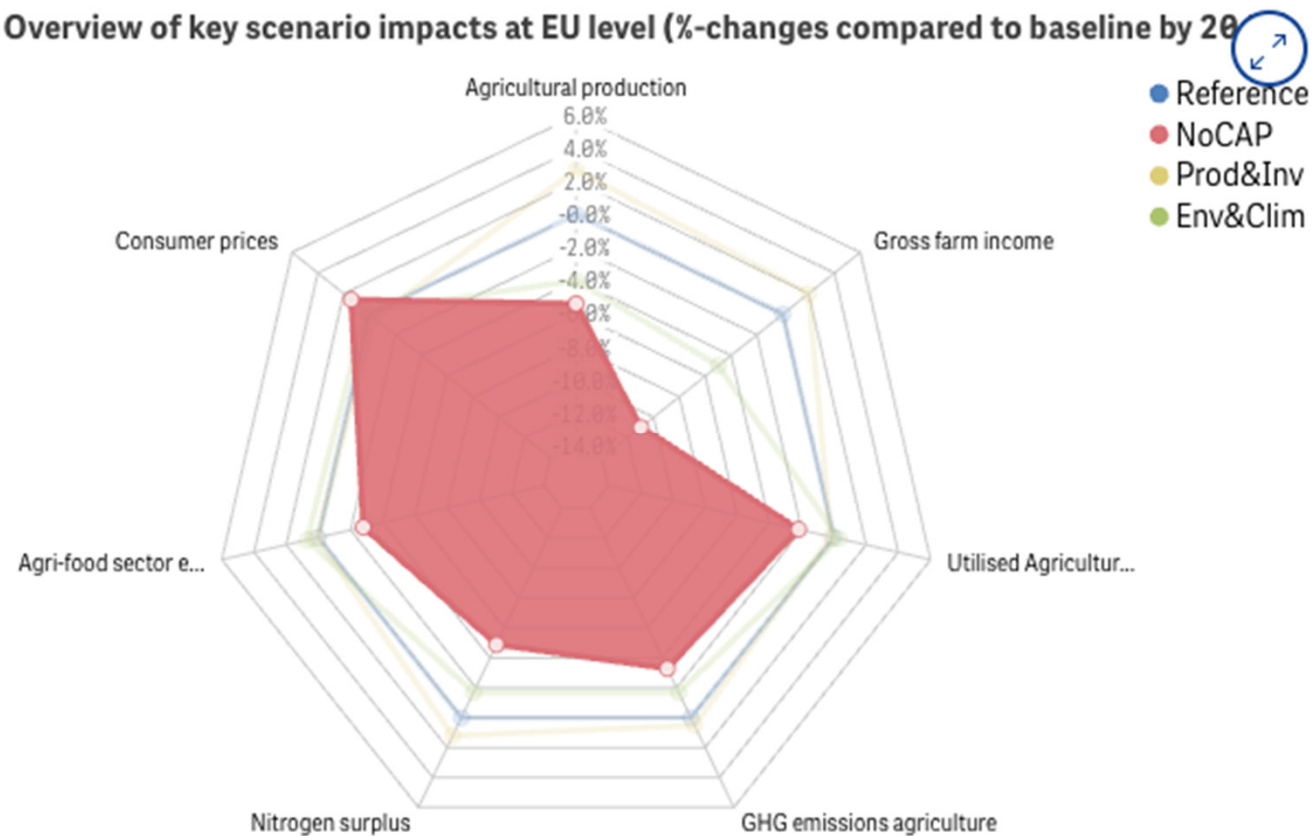


the context



JRC Scenar 40 results on “No CAP” for the EU

Overview of key scenario impacts at EU level (%-changes compared to baseline by 2050)





Theoretical background: Factor income

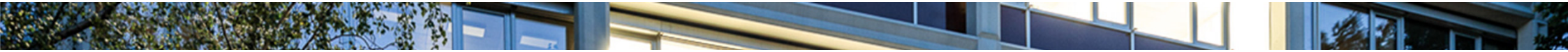


Factor income and its composition in Austria 2023-2024 in Mio €

		reference
	Output	10 087
-	Inputs	5 754
=	Gross-Value-Added	4 333
-	Depreciation	2 694
=	Net-Value-Added	1 638
+	other subsidies	1 606
-	other taxes on products	138
=	Factor income	3 813

Factor income and its composition in Austria 2023-2024 in Mio €

		reference	policy shock
	Output	10 087	10 087
-	Inputs	5 754	5 754
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=	Net-Value-Added	1 638	1 638
+	other subsidies	1 606	0
-	other taxes on products	138	138
=	Factor income	3 813	???

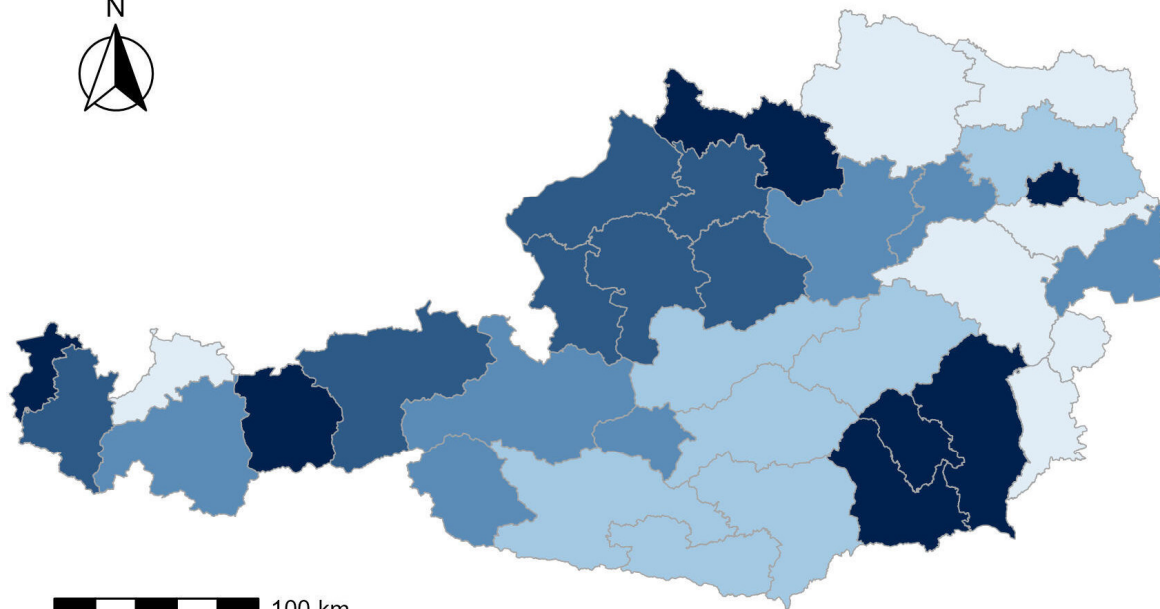


The reference situation of the agricultural sector



Reference situation 2020-2022: production value in Austria €/ ha

Median: 3117



100 km

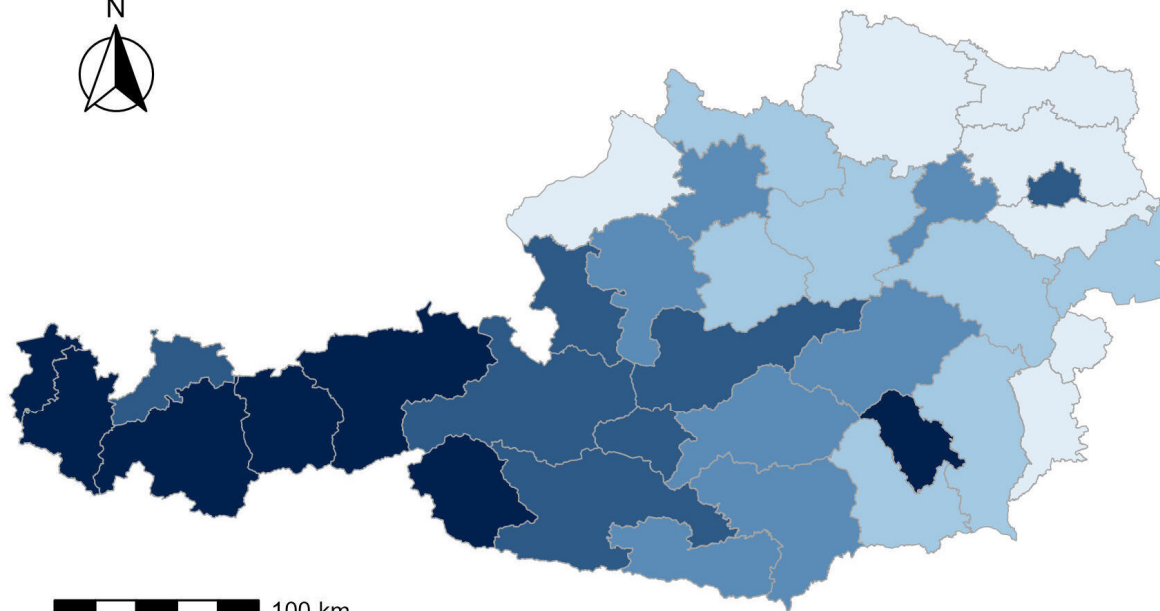
Euro je Hektar in Quintilen



Reference situation: subsidies 2nd pillar

Zahlungen der 2. Säule Durchschnitt 2019-2021

Median: 630,



100 km

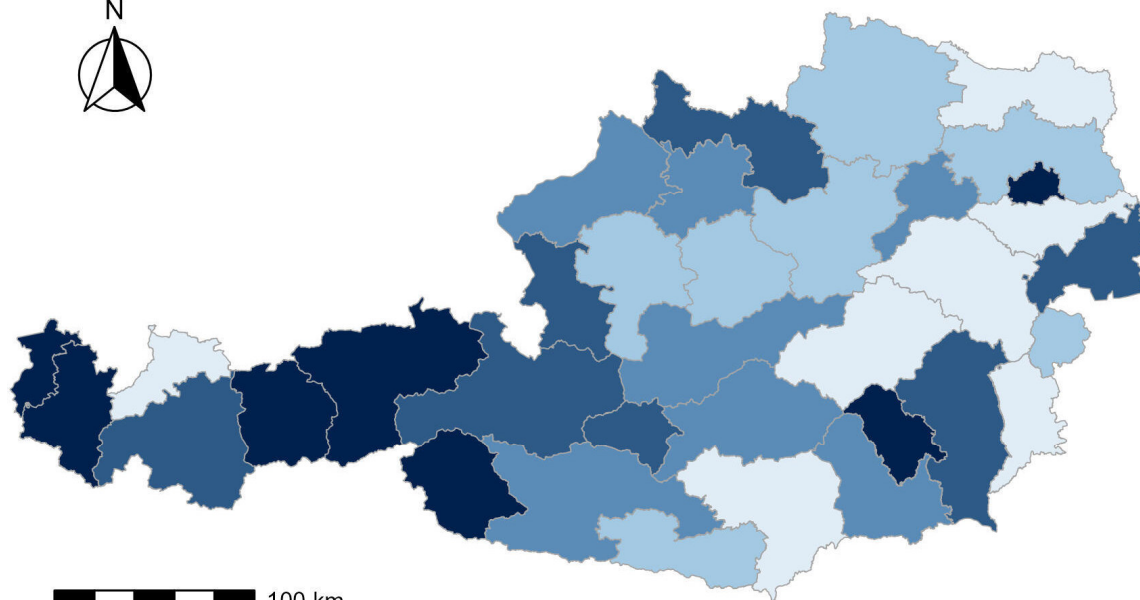


Euro je Hektar in Quintilen



Reference situation: Factor income €/ ha

Median: 1415



100 km

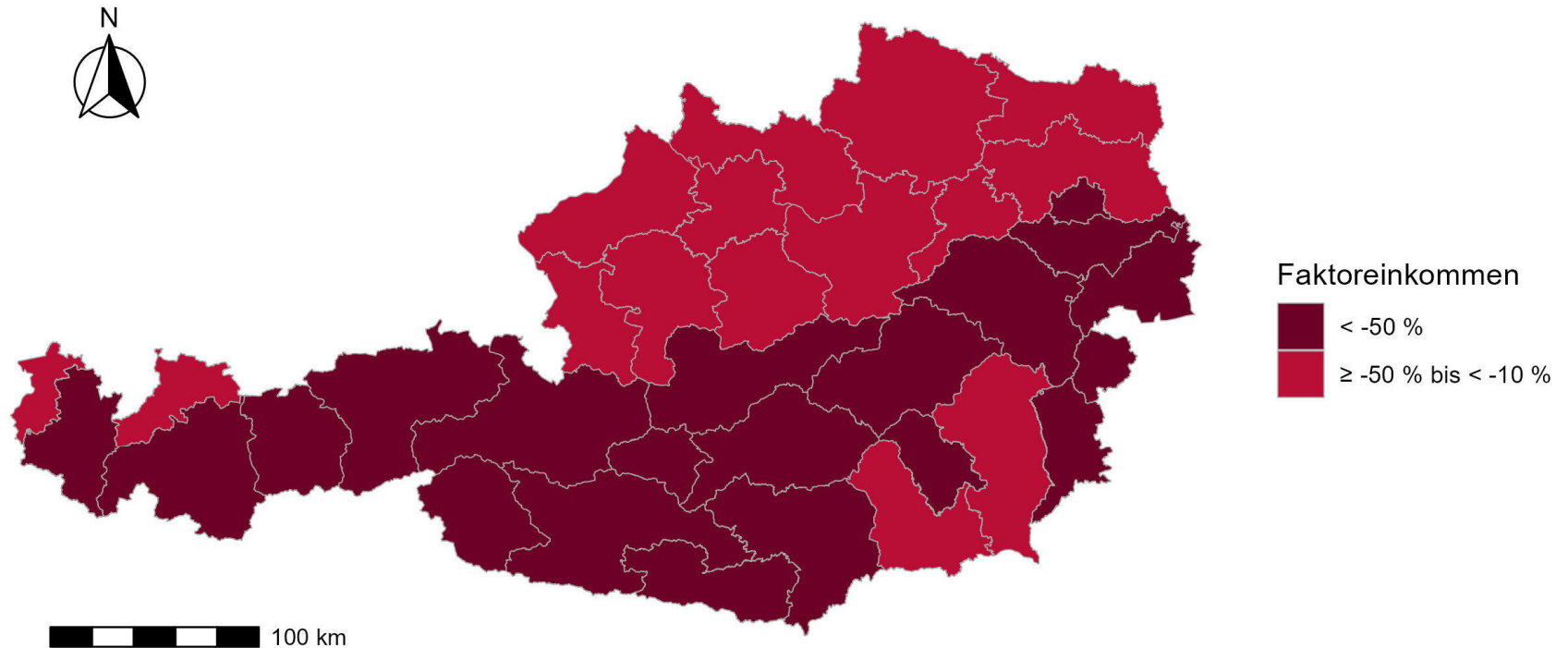
Euro je Hektar in Quintilen



Policy scenario: percentage change in factor income of agriculture

AT: -42%

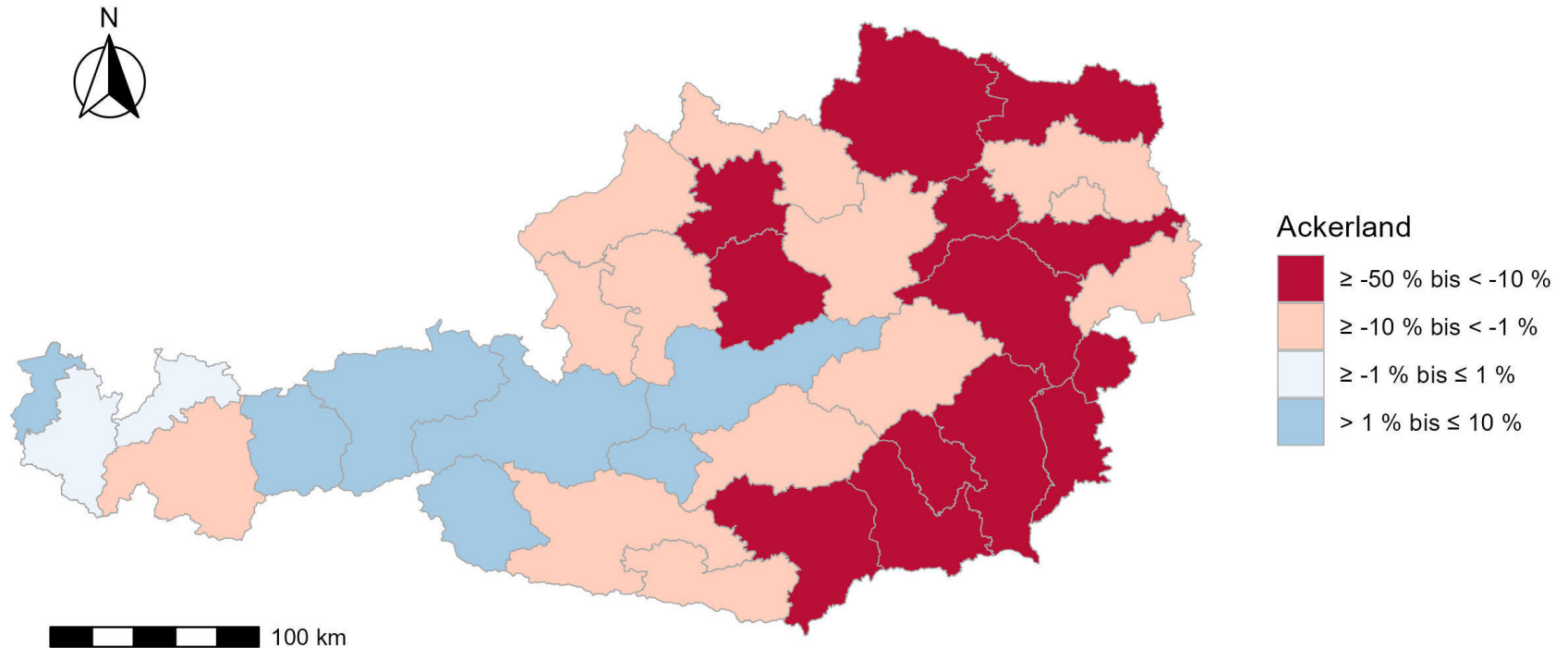
Prozentuale Veränderung Faktoreinkommen



Policy scenario: percentage change in arable land

AT: -11%

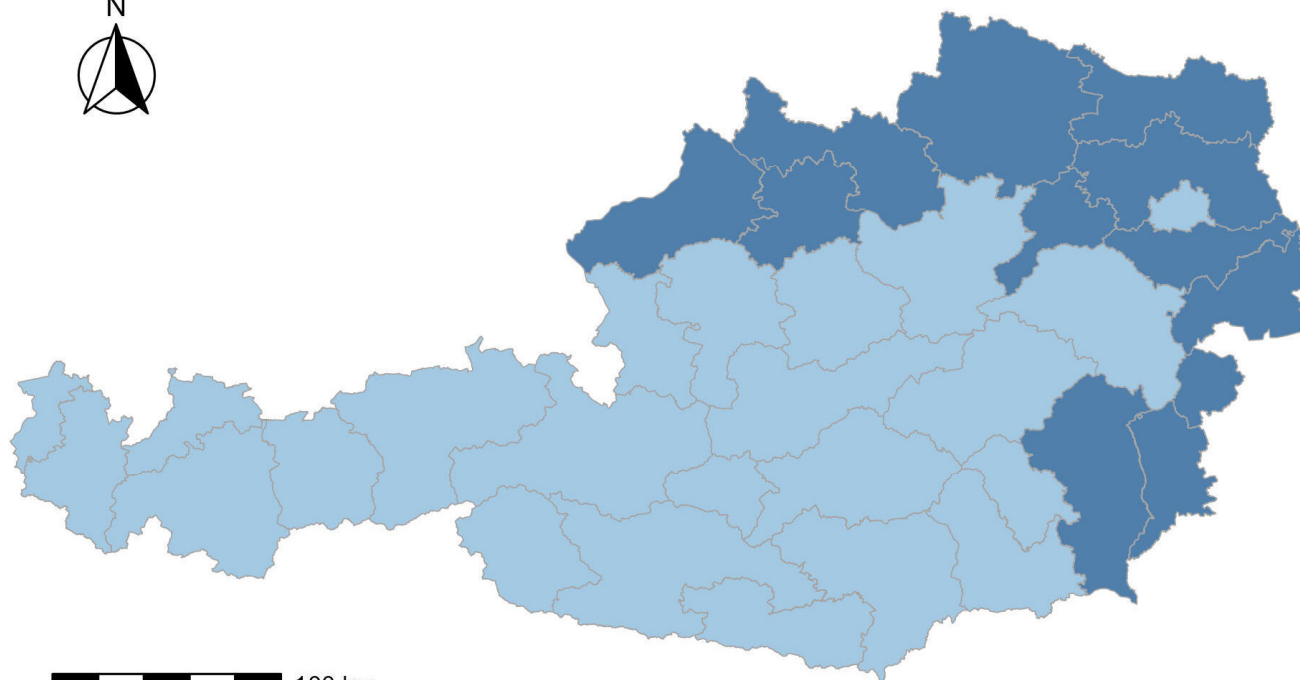
Prozentuale Veränderung Ackerland



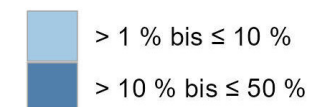
Policy scenario: percentage change in commercial forest area

AT: +7.8%

Prozentuale Veränderung Wald



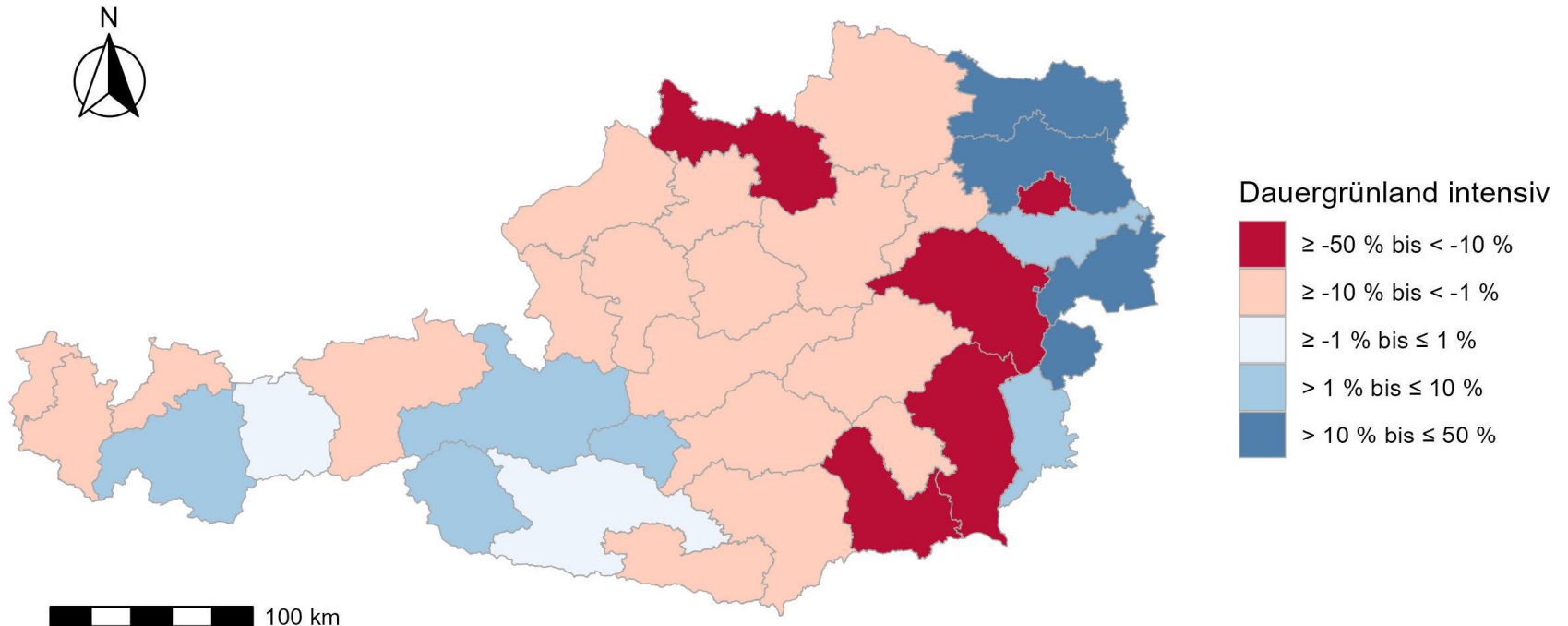
Wald



Policy scenario: percentage change intensive permanent grassland

AT: -6%

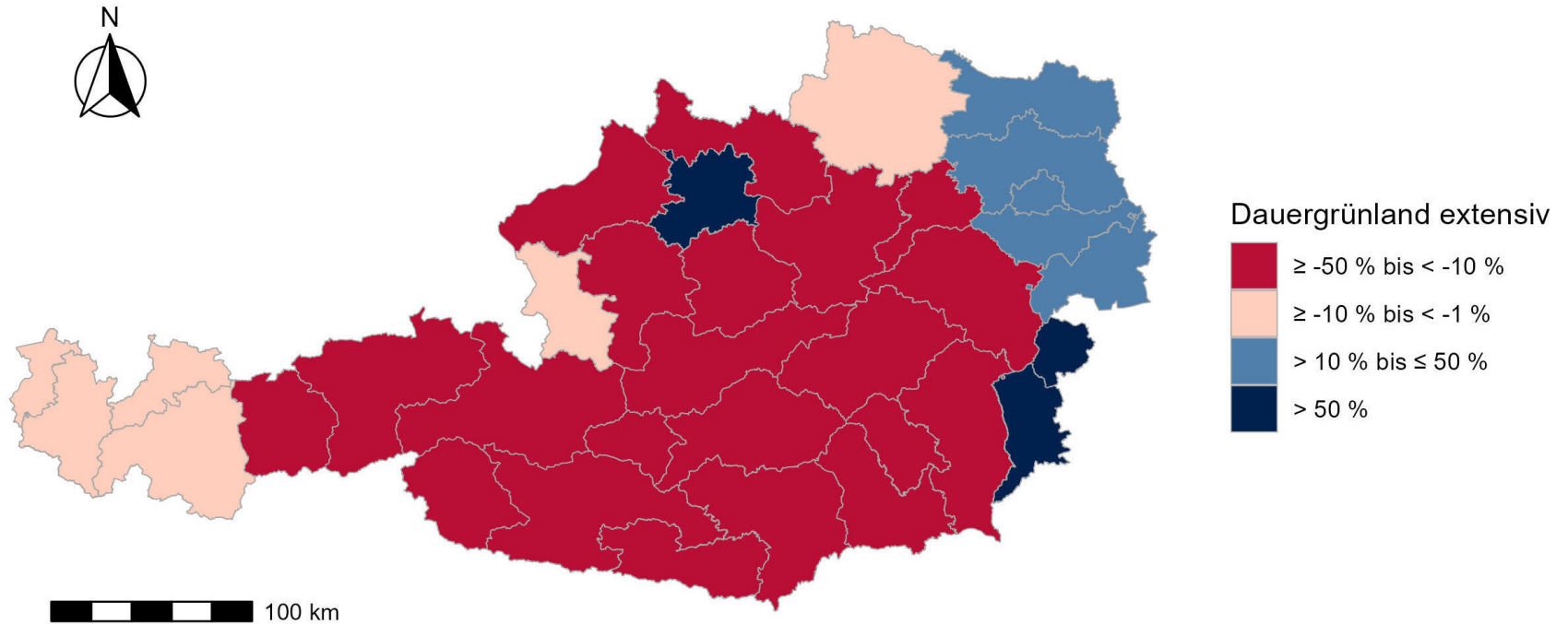
Prozentuale Veränderung Dauergrünland intensiv

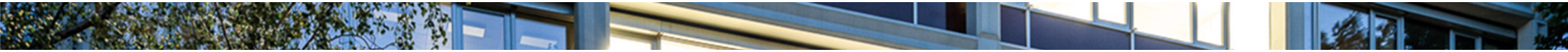


Policy scenario: percentage change extensive permanent grassland areas

AT: -13%

Prozentuale Veränderung Dauergrünland extensiv





how such results support decision making in Austria





how the land use change study supports decision making in Austria

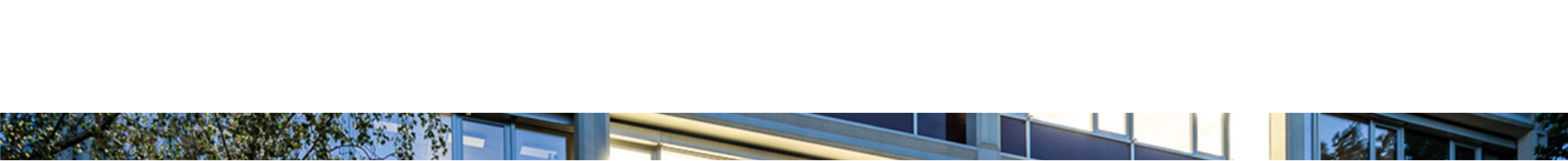
BMLUK initiated a consultation process to set sail for the next CAP phase.

This process aligns with the European Commission's 2025 proposal to integrate the CAP into a "National and Regional Partnership Plan" (NRPP).

The contex: Phases of the Policy Reform in Austria (CAP 2028–2034)

■ 1. Information and Presentation Phase (Early 2026)

- **CAP Dialogue Forum:** A central event was held in Vienna in **January 2026** to explain the fundamental framework of the future design.
- **Webinar Series:** In **March 2026**, a series of online events deep-dived into specific thematic areas.



how the land use change study supports decision making in Austria

■ 2. Public Participation Phase (April – May 2026)

This phase aimed at directly involving stakeholders and the general public:

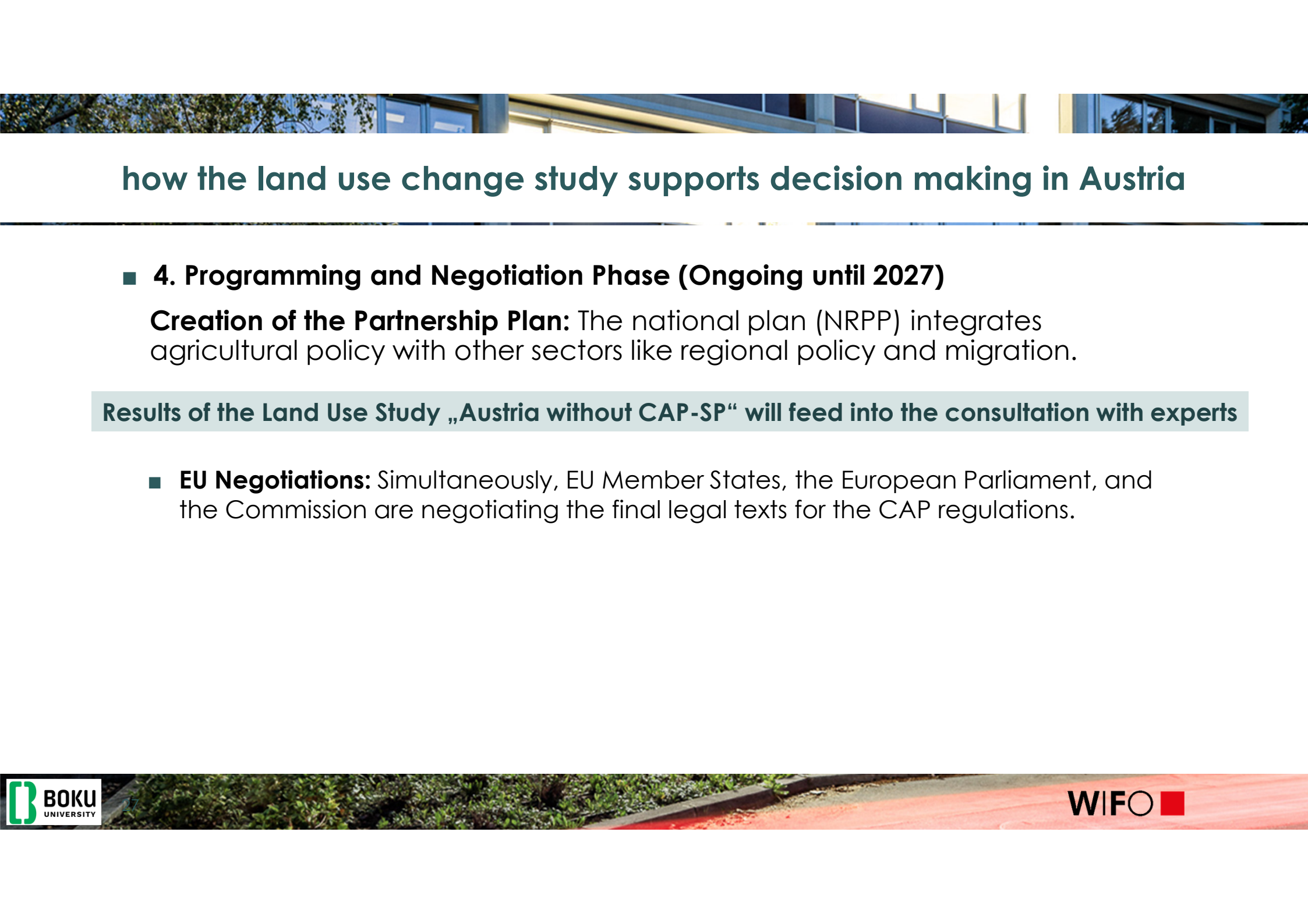
- **Online Consultation:** From **April 13 to May 7, 2026**, participants could submit specific suggestions and perspectives via web forms. Over **1,200 feedback submissions** were registered.

Thematic Focus: Submissions centered on farm development and income, environment and climate, and the strengthening of vital rural areas.

■ 3. Consolidation and In-depth Analysis Phase (**June 2026**)

- **Expert Workshops:** Workshops are scheduled for **early June 2026** to further analyze the results of the online consultation with experts. These findings will flow directly into the drafting of national measures.

Results of the Land Use Study „Austria without CAP-SP“ will feed into the consultation with experts



how the land use change study supports decision making in Austria

■ 4. Programming and Negotiation Phase (Ongoing until 2027)

Creation of the Partnership Plan: The national plan (NRPP) integrates agricultural policy with other sectors like regional policy and migration.

Results of the Land Use Study „Austria without CAP-SP“ will feed into the consultation with experts

- **EU Negotiations:** Simultaneously, EU Member States, the European Parliament, and the Commission are negotiating the final legal texts for the CAP regulations.



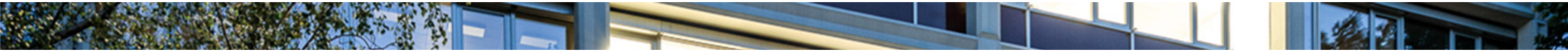
the main value of a scenario of agriculture without CAP payments

■ purposes

- counterfactual for evaluating income / land – use effects / GHG-emission / ...
- support evidence-based policy making
- identify priorities of needs
- fine tuning of specific interventions (agri-environment; regions with natural restrictions)

■ basic insights of the “NO CAP payments” scenario in Austria

- agricultural production is not affected very much – expansion of forest production
- income in agriculture declines drastically
- impacts vary geographically
- agriculture in less favored bears the heaviest burden



thank you for your attention!



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Gemeinsame Agrarpolitik Österreich



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