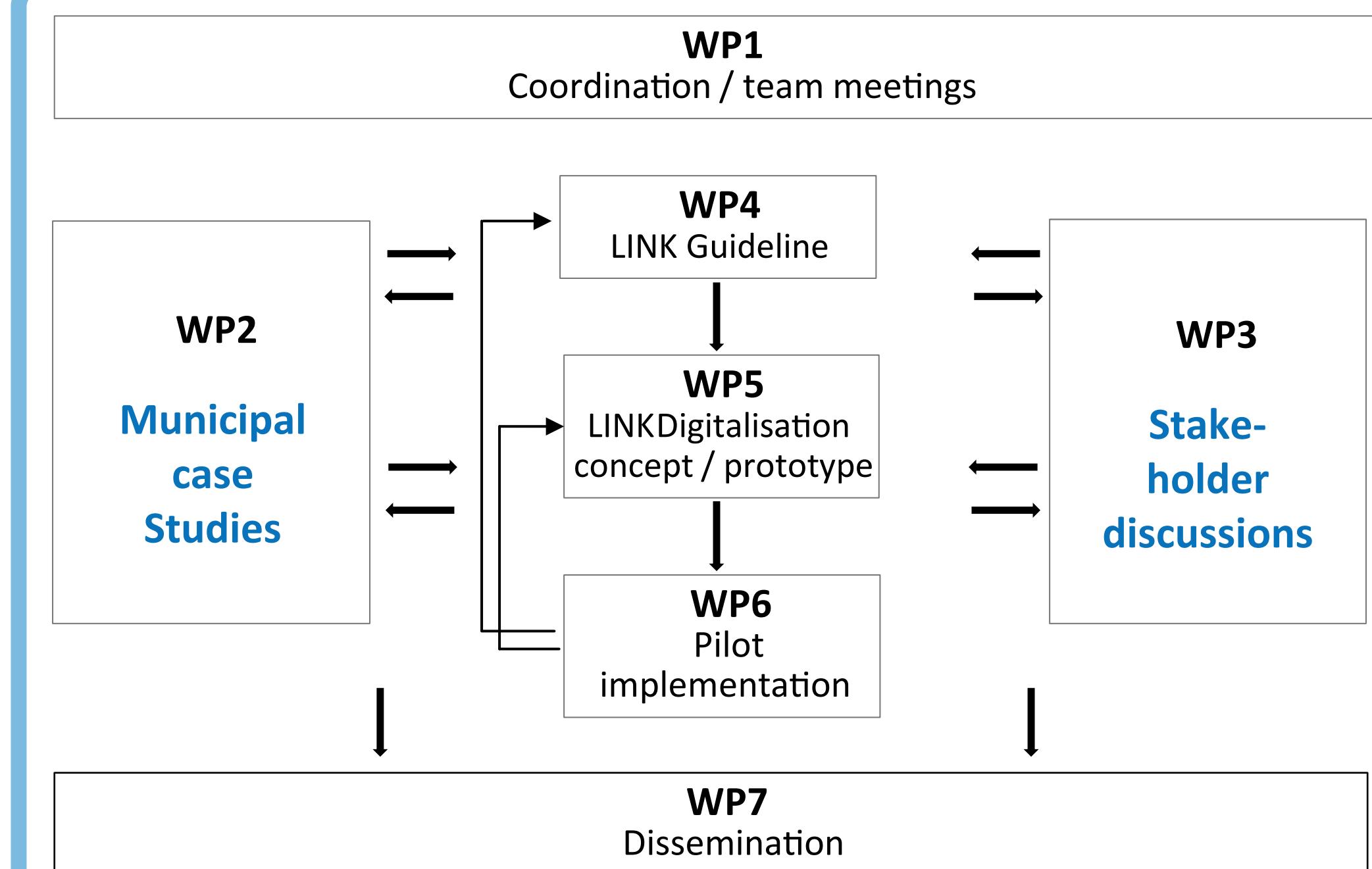


1. Introduction

- The National Energy and Climate Plan (NECP) is the key policy instrument to ensure that the goals of the Energy Union are achieved by 2030, with an outlook to 2050.
- The importance of renewable energies for achieving the energy and climate targets is obvious. With regard to the availability of renewable energies, there are spatial dependencies and therefore potential conflicts of objectives in terms of land use, for example with regard to nature conservation and the preservation of biodiversity. There are challenges for spatial planning, particularly as a result of the division of responsibilities between the federal government, provinces and municipalities within Austria.
- Looking at the Austrian NECP, spatial planning is mentioned as an important instrument. The central question is how the current situation could be improved with regard to the link between the national planning and reporting level of the NECP and the local project implementation level.



2. Methodology

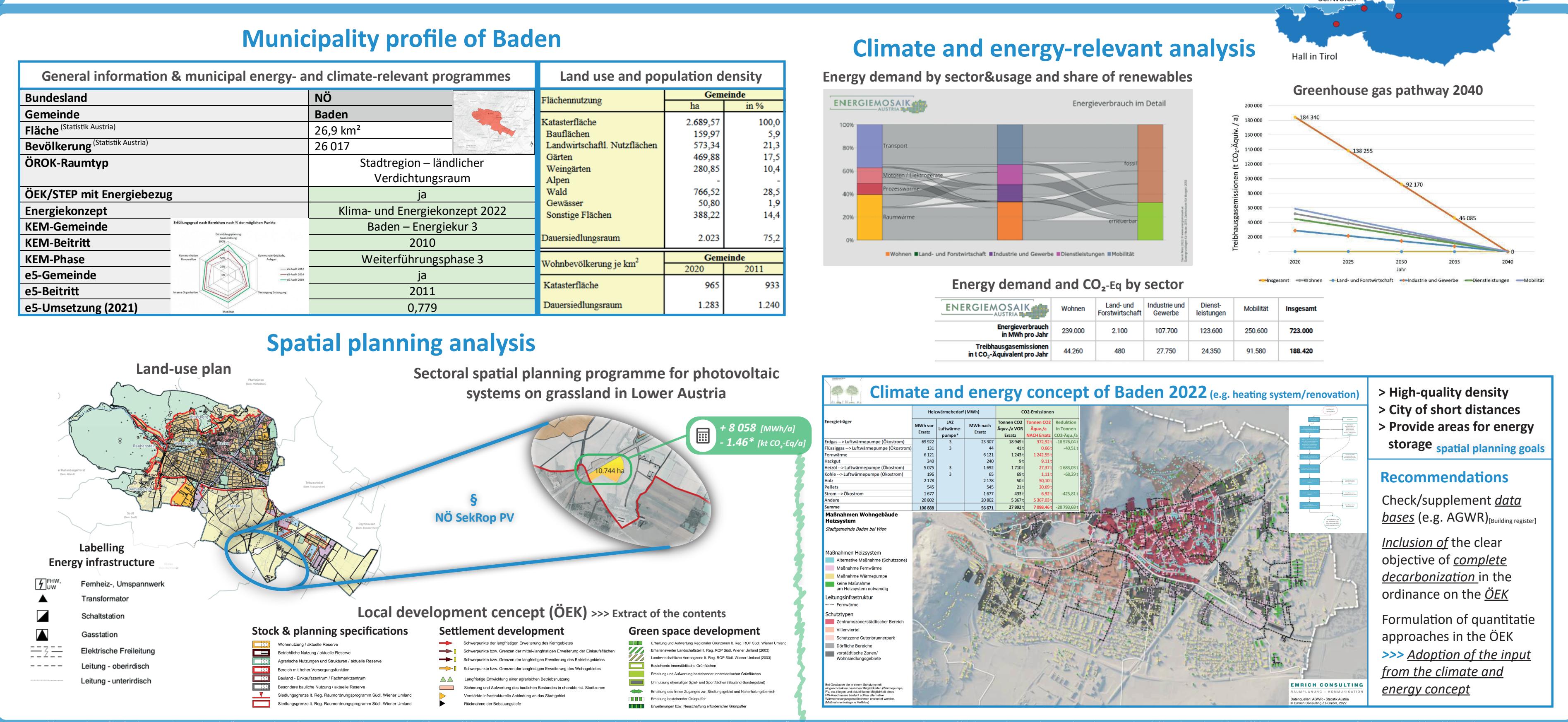


Analysis of responsibilities and obligations to fulfill the NECP requirements >>> **Stakeholder discussions** (at federal, provincial, and municipal level)

Determine possibilities to implement energy and climate targets in **local development concepts (ÖEKs)** >>> **Case studies**

Development of a catalog of minimum requirements and criteria to be applied in the preparation or revision of ÖEKs >>> **LINK-Guideline**

4. Findings (using the example of Baden bei Wien)



3. Project objectives

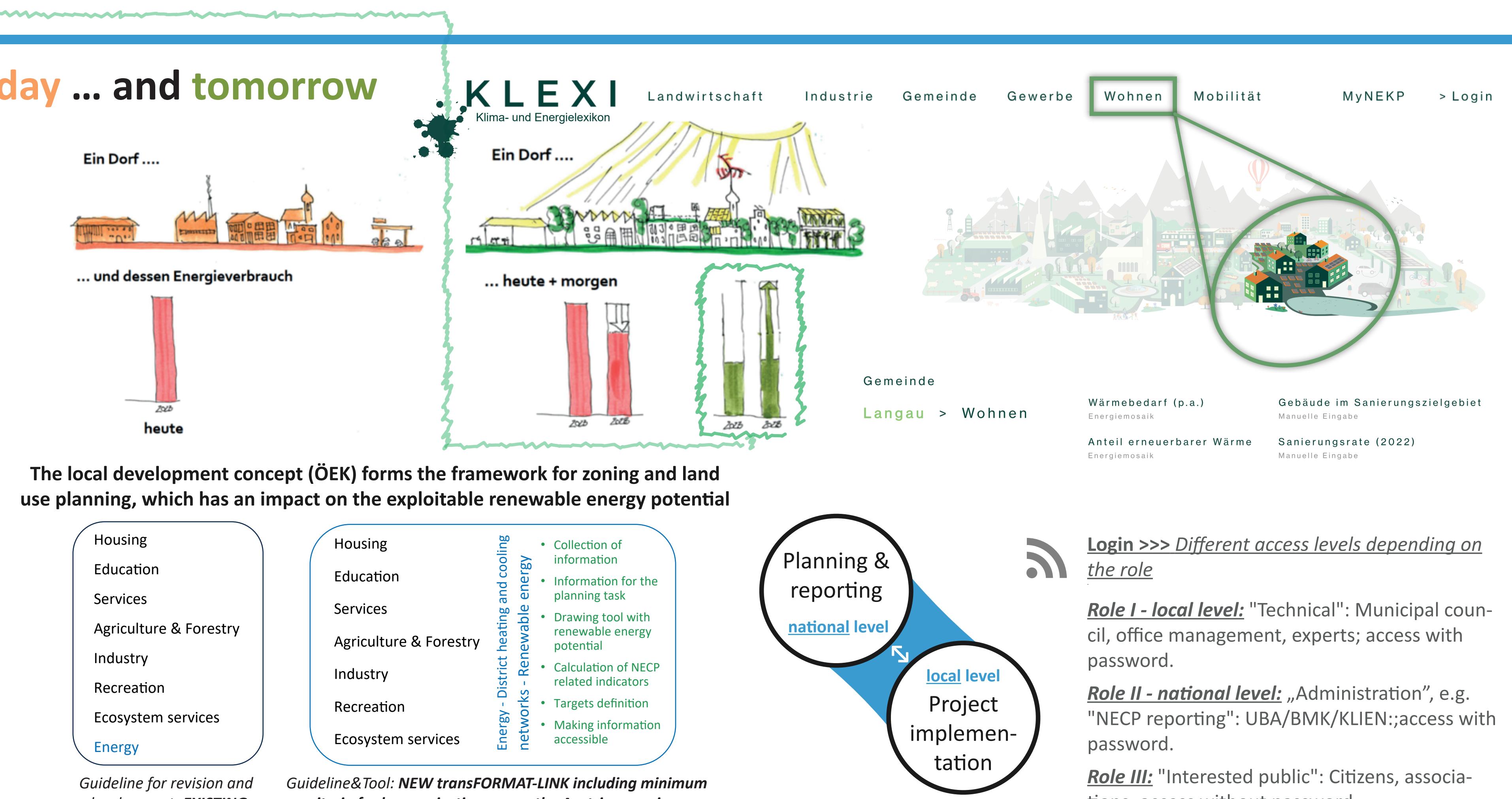
The aim is to make a contribution on the way to **climate neutrality**. The transFORMAT-LINK project addresses the following NECP-relevant aspects:

- Facilitating project implementation at municipal level** by removing obstacles resulting from insufficient transparency
- Creating a consistent approach** to avoid adaptation to climate change by defining minimum **requirements for ÖEKs**
- Catalog for ÖEKs** supports development of **renewable energy projects**
- Web-tool to support planning and reporting for NECP implementation** >>> **acceptance**

5. The Tool-Concept

A municipality and its energy consumption today ... and tomorrow

- There is usually an **occasion for updating a plan** (e.g. revitalization of the city center)
- Collect information** what has been done so far
- Access information** via interfaces to databases (e.g. **energy spatial planning** if available)
- Use a drawing tool to **estimate renewable energy gains**
- Make information publicly accessible for discussion to **create awareness and acceptance**
- Revise existing plans according to **LINK-Guideline** and minimum requirements
- Report energy and climate relevant indicators** to supra-local administration



6. Preliminary & expected results

- Minimum **ÖEK requirements** are implemented via **LINK-Tool** at <https://klexi.at/> (in development)
- The LINK-Tool assists the development or revision of a ÖEK and provides **data for planning tasks** and **templates to collect informations** (e.g. integrated spatial and energy planning)
- Making **information accessible to the public** and selected third parties to **increase acceptance**
- Input for harmonization of **spatial planning legislation** to achieve energy and climate goals

7. References

- Abart-Heriszt, L. & Reichel, S. (2022): Energiemosaike Austria. Österreichweite Visualisierung von Energieverbrauch und Treibhausgasemissionen auf Gemeindeebene. [<https://www.energiemosaike.at/>]
- Amt der NÖ Landesregierung (2022): Regelung über ein Sektorales Raumordnungsprogramm über Photovoltaikanlagen im Grünländern in Niederösterreich (NÖ SekRpV).
- Emrich, Hans et al. (2022): Klima- und Energiekonzept Baden 2022. Energieraumplanung. [https://www.baden.at/Energieraumplanung_Klima_und_Energiekonzept_Baden_en_Erich_Consulting_2]
- Hameter, J. (2022): Örtliches Raumordnungsprogramm Stadtgemeinde Baden. Entwicklungskonzept.
- Hameter, J. (2022): Örtliches Raumordnungsprogramm Stadtgemeinde Baden. Flächennutzungsplan.
- NÖ Energie- und Umweltagentur GmbH (n.d.): e5-Gemeinde Baden. eeee. [<https://www.umweltgemeinde.at/e5-gemeinde-baden/>]
- Stadtgemeinde Baden (n.d.): MS.GIS Informationssysteme. [<https://www.baden.mgis.net/>]
- Statistik Austria (2023): Ein Blick auf die Gemeinde (Stand 2020). [<https://www.statistik.at/blickgeld/indexGeoData>]
- Bundesministerium für Finanzen (data.gv.at); Umweltbundesamt (UBA) (2023): <https://secure.umweltbundesamt.at/co2mon/co2mon.html>