

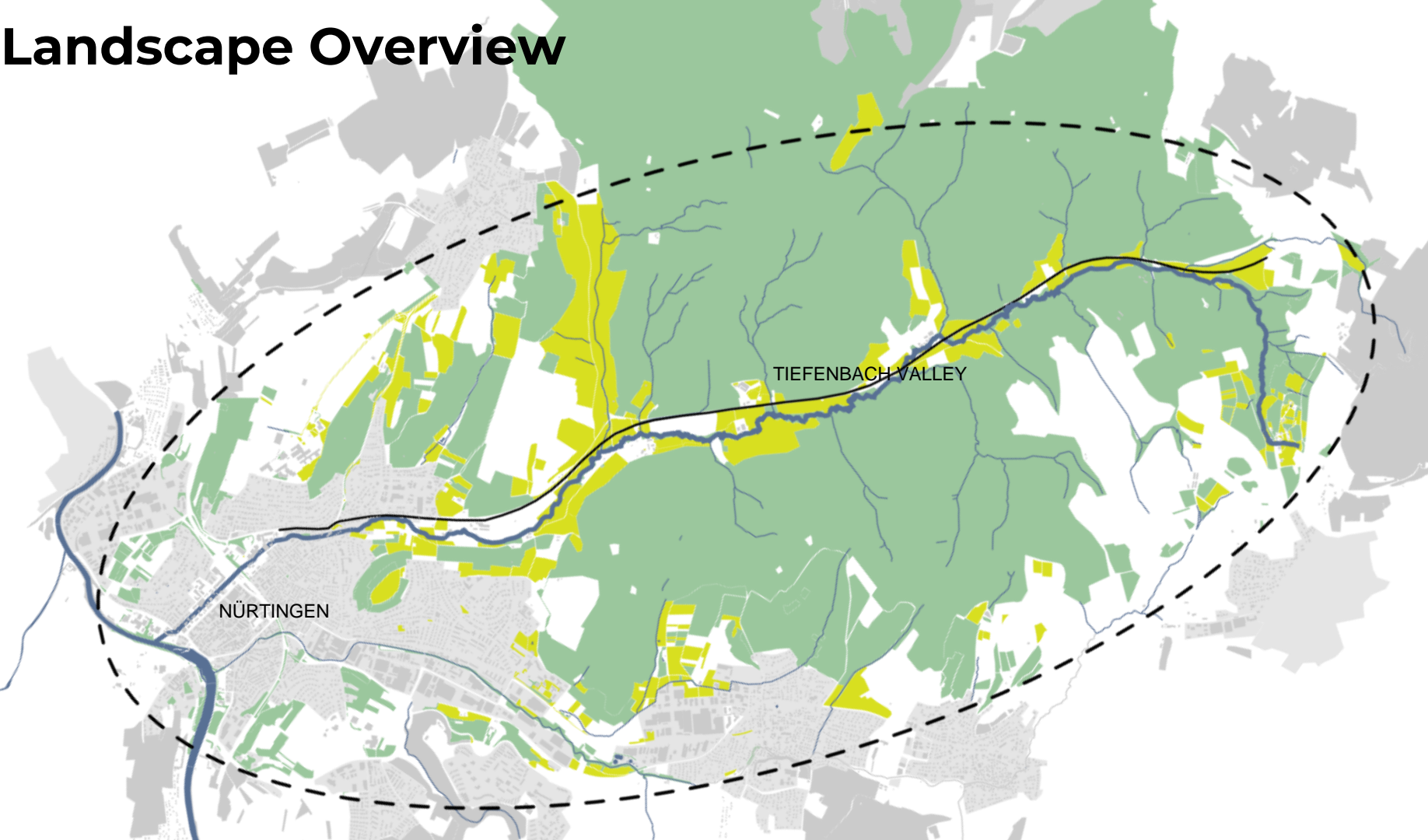
Integrated Landscape Development

Team:

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Landscape Overview





Nürtingen

Image Landsat / Copernicus

Google Earth

SRLP - Stuttgart Regional Landscape Park Links

SRLP Objectives

1. Enhance **green infrastructure**
2. Enhance **biodiversity**
3. Support **sustainable mobility**
4. Promote **environmental and cultural education**
5. Improve **local climate**
6. Provide **leisure areas**
7. Improve **living conditions**
8. Increase **attractiveness for tourism**

Principles of Integrated Landscape Development for Tiefenbach Valley

- Cultural / Emotional Identity
- Biodiversity
 - Water Management
 - Recreation / Leisure / Health
 - Mobility
 - Participation / Democracy

Principles for Landscape Integration



Biodiversity



Water Management



Cultural / Emotional Identity



Sustainable Mobility



Recreation / Leisure / Health

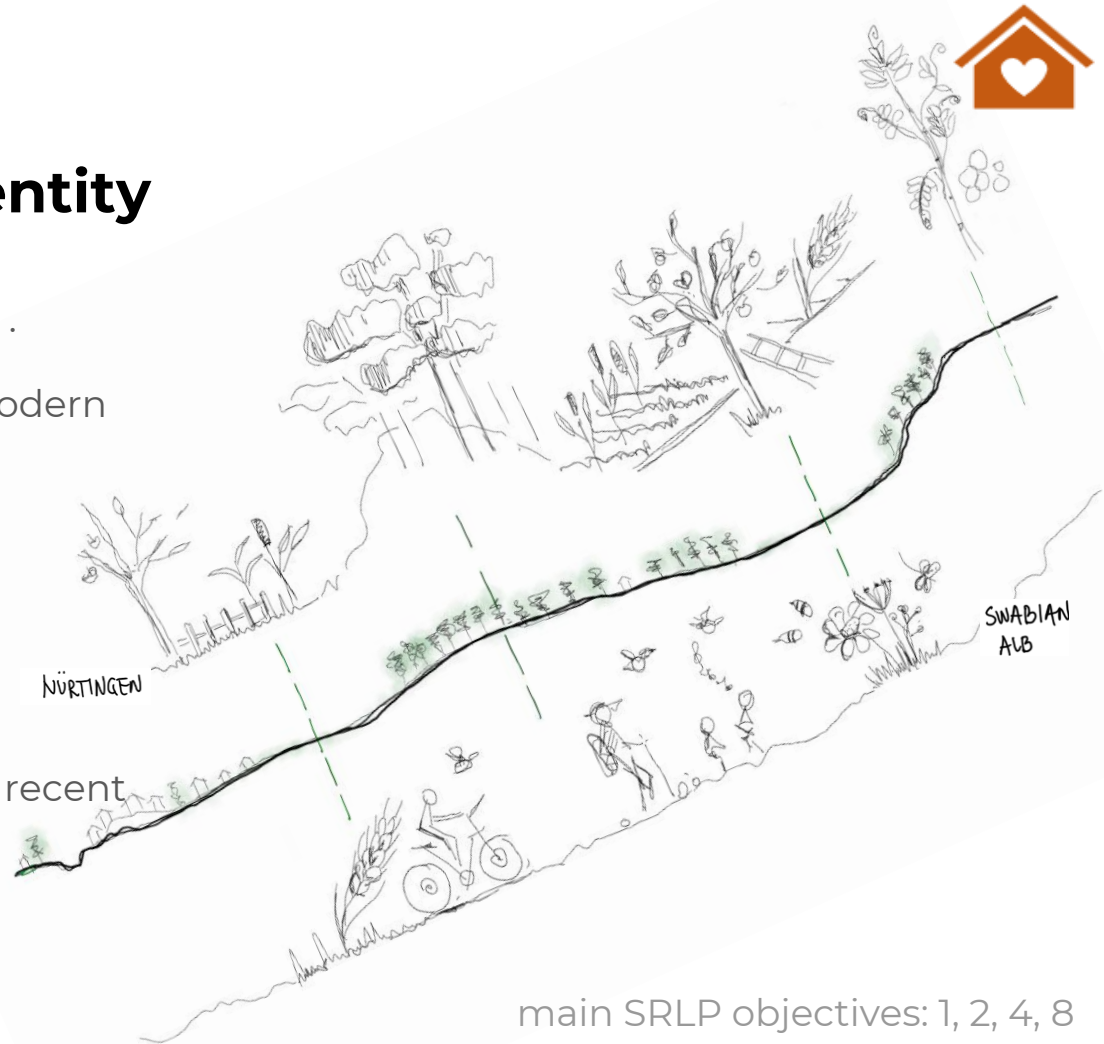


Participation / Inclusion / Democracy



Cultural / Emotional Identity

- Strengthen **Historical** agriculture.
Orchards / Vineyard
 - Transform traditional into modern needs
 - Food production vs Tourism
- **Forestry**
 - Improve sustainability and biodiversity
- **Grassland** meadows
 - preserve cultural landscape elements
- **Legacy** of history from ancient to recent
- **Education** opportunities
 - connect people to place

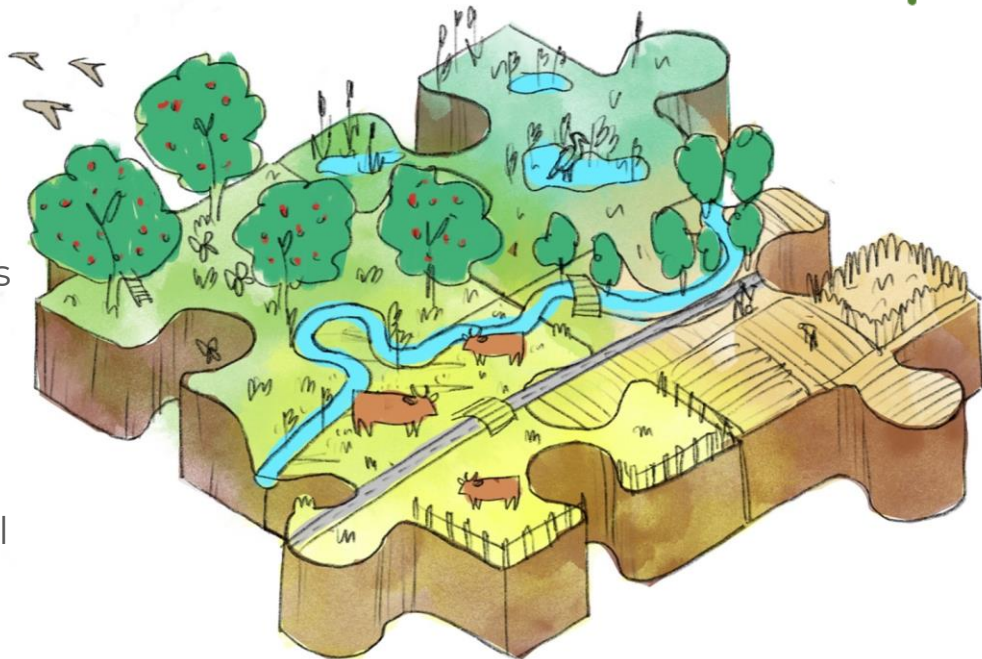


main SRLP objectives: 1, 2, 4, 8



Biodiversity

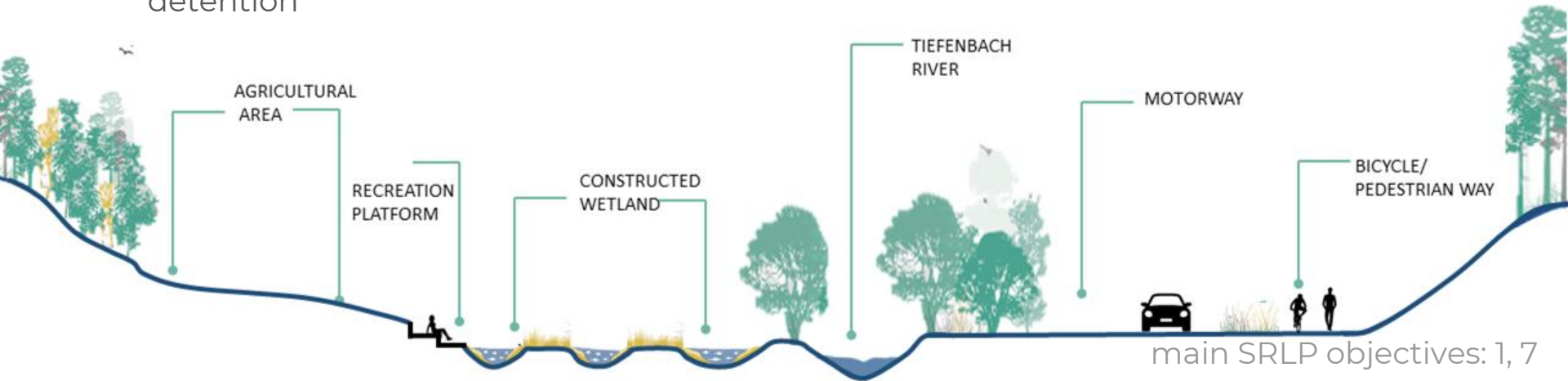
- **Fragmentation** / Patchwork
 - improve connections / bridges between ecological patches
- **Connectivity** > restore/create corridors
- Too much edge
 - create more **interior** ecology
- **Increase** biodiversity in cultural landscape
- **Balance** ecological needs with cultural values
- **Adaptation** to climate change





Water Management

- **Flood** control in the urban environment
- Maintain / improve **permeability** in landscape
- **Upstream** flood control opportunities
- **Wetland** creation for biodiversity and detention



main SRLP objectives: 1, 7



Recreation / Leisure / Health

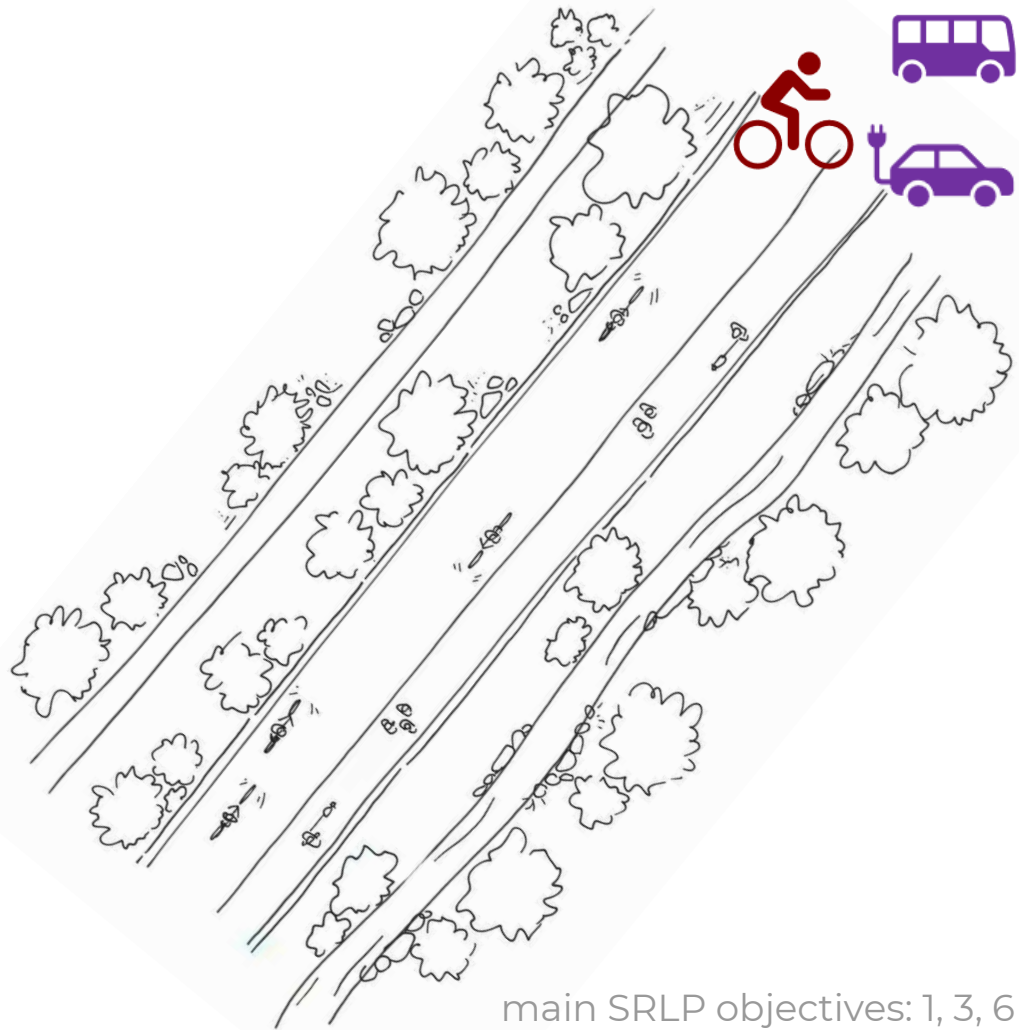
- Bring **connection** and contact to Tiefenbach
 - create links to Tiefenbach
- Opportunities for physical / psychological health
- Resolve **conflicts** . biking / walking
- Spectrum of experience
 - develop more primitive trails
- Create opportunities for wildlife viewing



main SRLP objectives: 1, 6, 7, 8

Mobility

- Intermodal transit hub
 - strengthen **connectivity** for Train/Bus/Bike/Walk
- **Resolve** danger zones . car / people conflicts
- Improve **integration** of bicycles into network
 - create Bicycle Streets
 - separation of bikes and cars



main SRLP objectives: 1, 3, 6

Participation / Democracy



- Integrate local and regional **residents**
- How can people be integrated into a process?
 - stakeholder **roundtables** cyclic process
 - cooperative **agreements** between landowners / city . economic balance and support
 - **grassroots** nomination process



main SRLP objectives: 4, 7

Access to Tiefenbach and Neckar



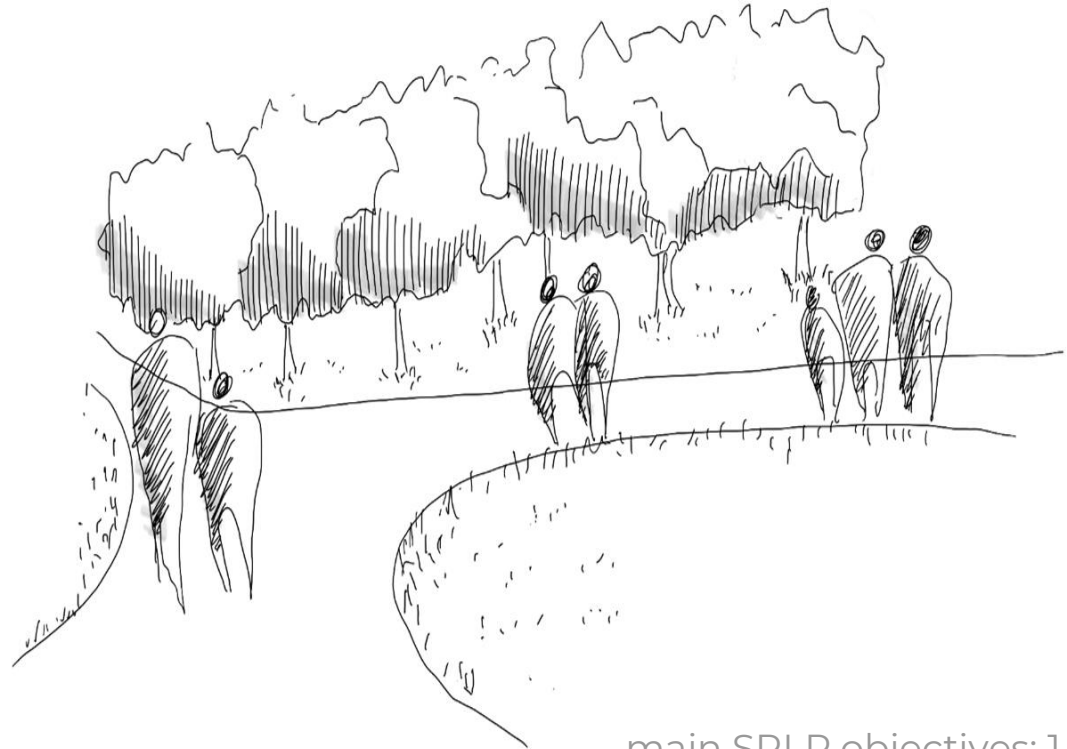
Cultural Identity

strengthens emotional connection

Recreation / Leisure

strengthens physical connection

Water Management



main SRLP objectives: 1,

**Stuttgart / Neckar Region
Landscape Park**

and the Tiefenbach Valley

Focus + Objectives

Stuttgart Regional Landscape Park

Focus

Creation of green areas

Ecological restoration
of degraded ecosystems

Management of Rivers
and other blue areas

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SRLP Objectives Links

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Tiefenbach / Nürtingen Links

1. protecting meadow orchards, creating floodplain woodlands - **giving the stream room to breathe.**
2. **diversifying agriculture**, extensive landscape management practices, preserving traditional cultural landscapes.
3. reducing car traffic in the Tiefenbachtal - support **sustainable mobility** for cyclists and pedestrians.
4. make the ´hidden´ historical layers in the landscape **more visible**, promoting farming tradition through education.
5. creating **new parks** along the stream.
6. **connecting** leisure with experiencing the agricultural landscapes
7. **living in a green corridor** in the rural-urban continuum.
8. **enhancing what is unique** in the area - e.g. Alblinsen (Swabian lentils), Streuobstwiesen (scattered meadow orchards), historical layers in the landscape - attractive for regional tourism

Towards a greener, integrated and
inclusive
Tiefenbach Valley

Research Questions

Historic ecological diversity

Edge / Interior ecological structure

Potential locations for wetland construction