

National Conference of Croatia:
Integrated Approach to Landscape Protection,
Planning and Management
20th October 2018, Zagreb, Croatia

LANDSCAPE PLANNING

Good Practice Instrument for Sustainable Spatial Development

Gunther Wetzel

Geographer

Landscape Planner, Landscape-Ecologist

EIA-Expert

PLANUNG+UMWELT

Stuttgart, Germany

www.planung-umwelt.de

Chairman of the federal section Baden-Württemberg of the

German EIA Association

www.uvp.de

PLANUNG+UMWELT

Stuttgart+Berlin www.planung-umwelt.de

Table of Contents

1. Landscape Planning: An introduction
2. The role of Landscape planning within approval and decision-making processes;
3. Instruments at different levels of decision-making with the example of the German planning system;
4. The Municipal Landscape Plan in Germany;
5. The integration of landscape aspects into spatial planning in Baden-Württemberg, a federal state of Germany;
6. Conclusion

Landscape / Environmental Planning

(legally anchored) instrument for
preservation and uplift of human
well-being and
human health through
conservation,
remediation and
improvement of nature and
the landscape
and
urban ecosystems

1. Landscape Planning

An Introduction

Landscape Planning: A matter of scale

Landscape Architecture

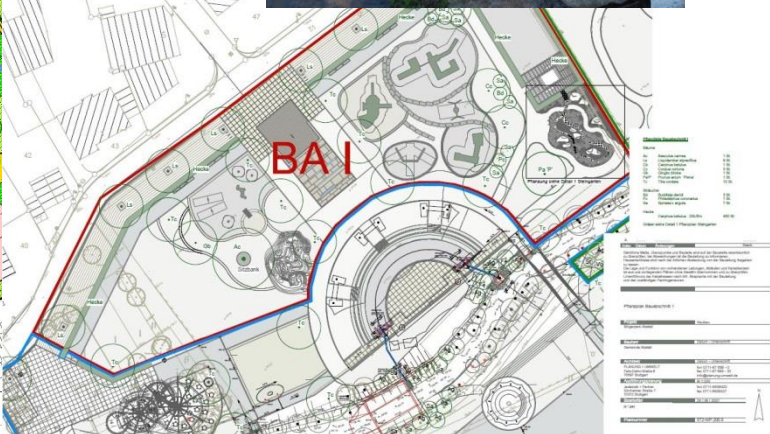
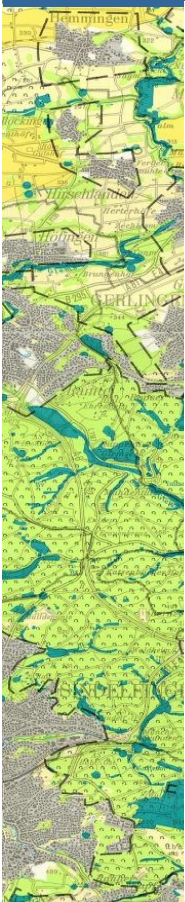
Open Space Regional
Landscape Framework Plan
1 : 100.000 to 1 : 50.000

Municipal Landscape Plan
1 : 10.000 to 1 : 5.000

Open Space Structure Plan
1 : 5.000 to 1 : 1.000

Binding Green Structure Plan
for urban development
1 : 2.500 to 500

Implementation / Design Plan
for Green Infrastructure
1 : 1.000 to 200



2. The role of Landscape planning within approval and decision-making processes

Delivering of environmental information

SEA and EIA
spatial planning (landuse)/ sectoral planning



Objectives for future environmental development



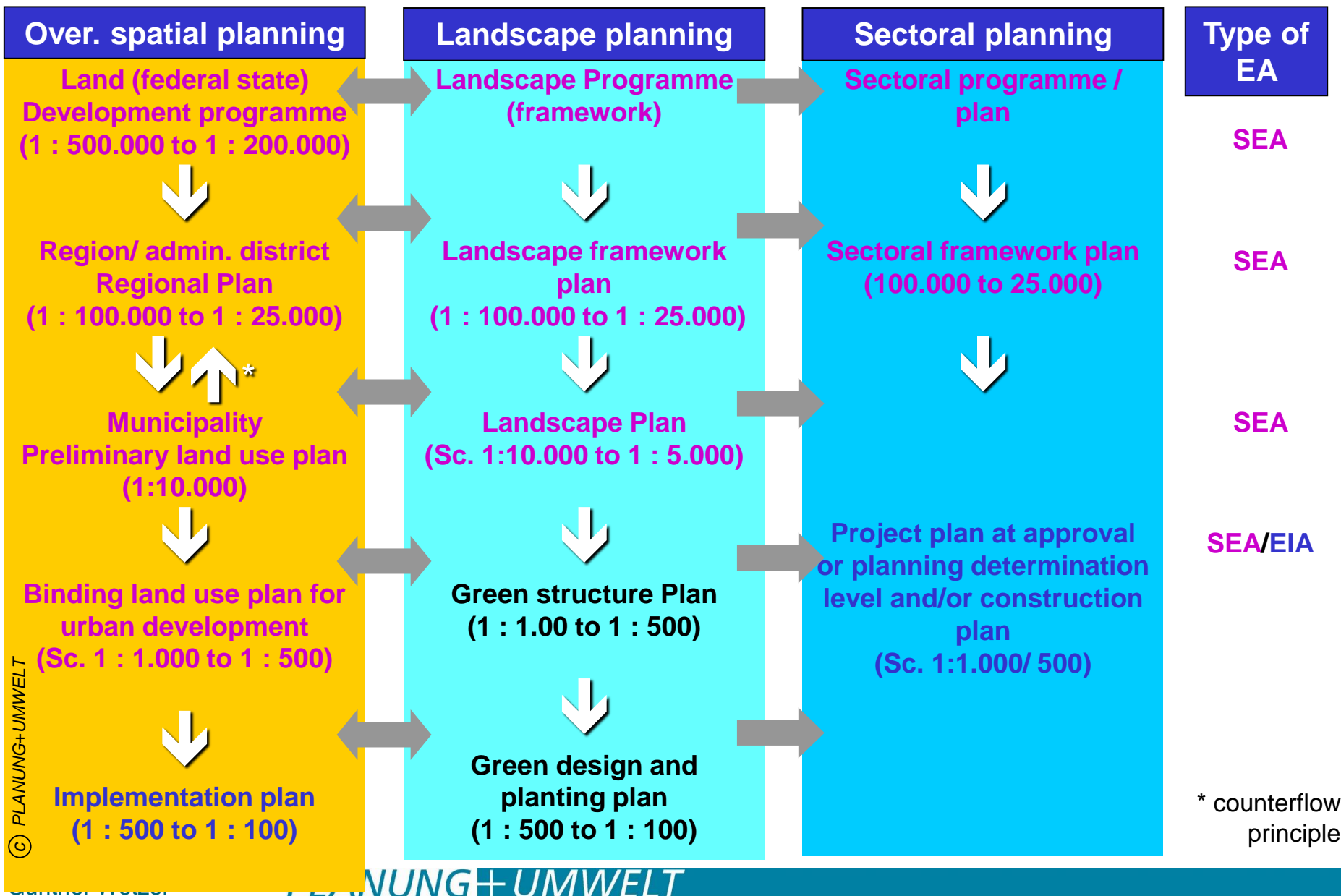
Analysis of the current environmental situation

Environmental factors							additional environmental concerns				
Pop./ human health	Subjects of Landscape Plans						Cult Her. Mat. Ass.	Clim. Prot./ adap- tion	best possi- ble air quality	Emis- sions/ sewage / waste	Risk of acciden- ts and disaster
	Fauna	Flora	Soil	Water	Air and climate	Land- scape					
	Biodiversity										
	Subject of Nat.2000-A										
Interactions											
Subjects of SEA and EIA											
© PLANUNG+UMWELT											

© PLANUNG+UMWELT

3. The German Planning System

Instruments at decision-making levels



4. The Municipal Landscape Plan in Germany

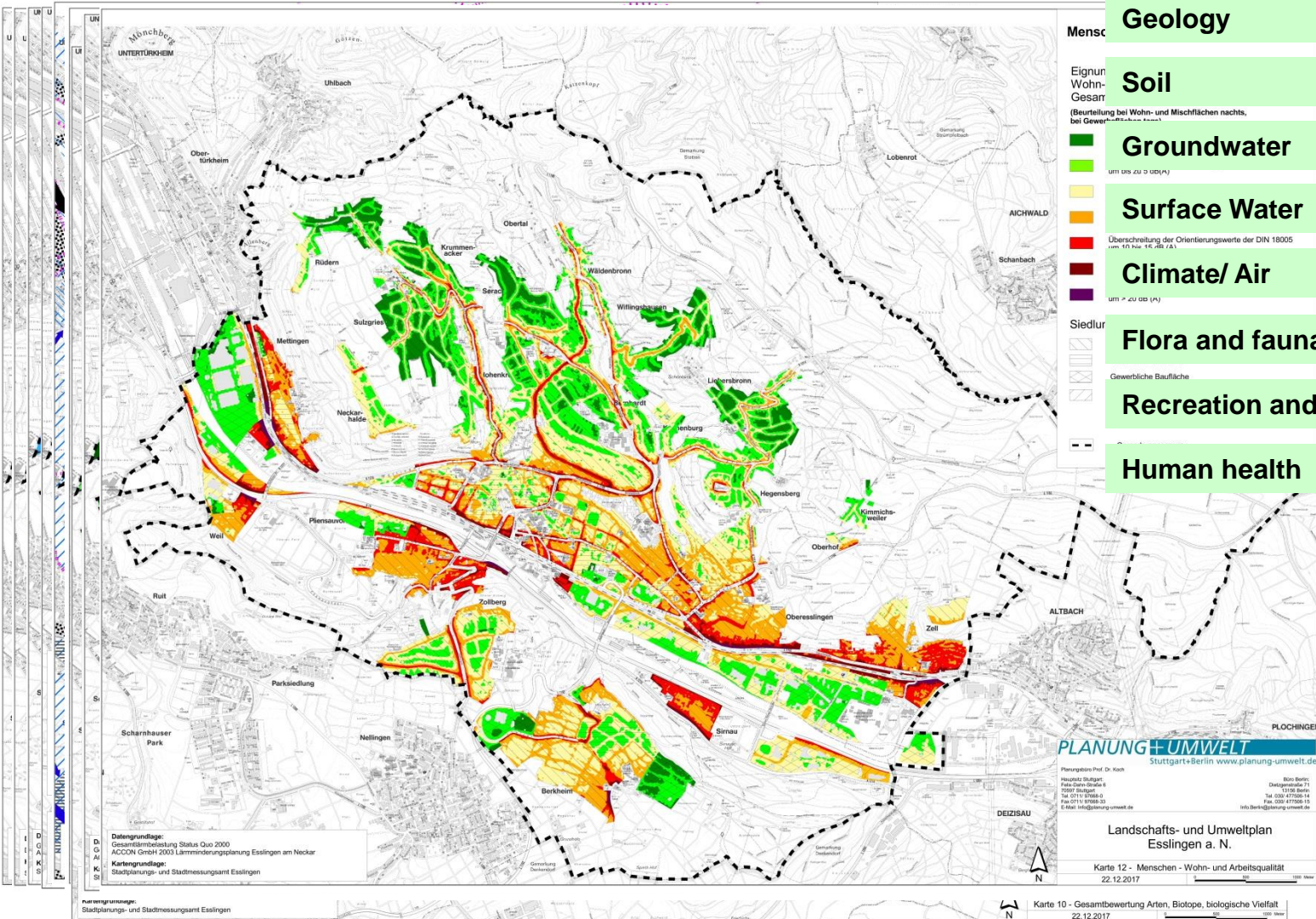
Preparation Phases

The landscape plan will be elaborated mainly in three phases:

- ❖ **Phase I:**
Analysis of baseline conditions, threats and opportunities;
- ❖ **Phase II:**
Development of guiding principle and formulation of goals;
- ❖ **Phase III:**
Elaboration of measures.

4. The Municipal Landscape Plan in Germany

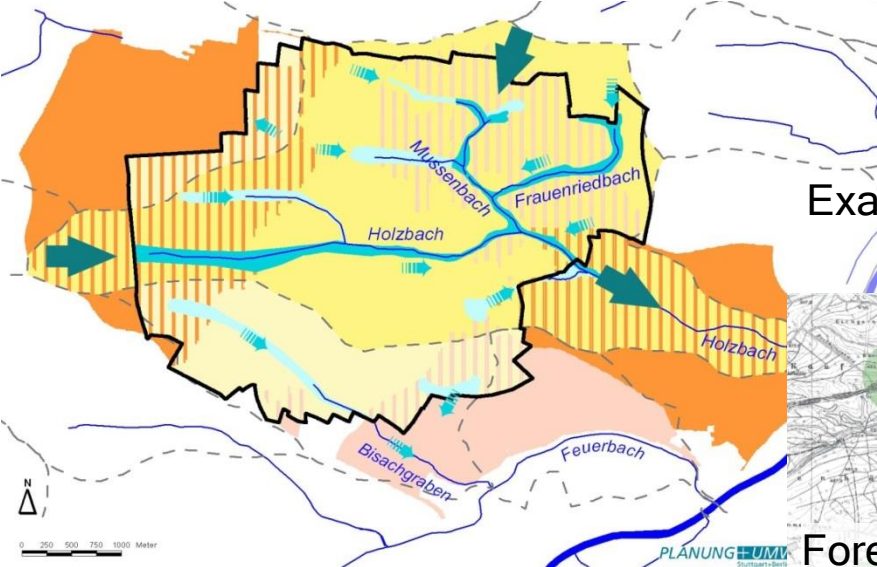
Phase 1: Baseline data analysis



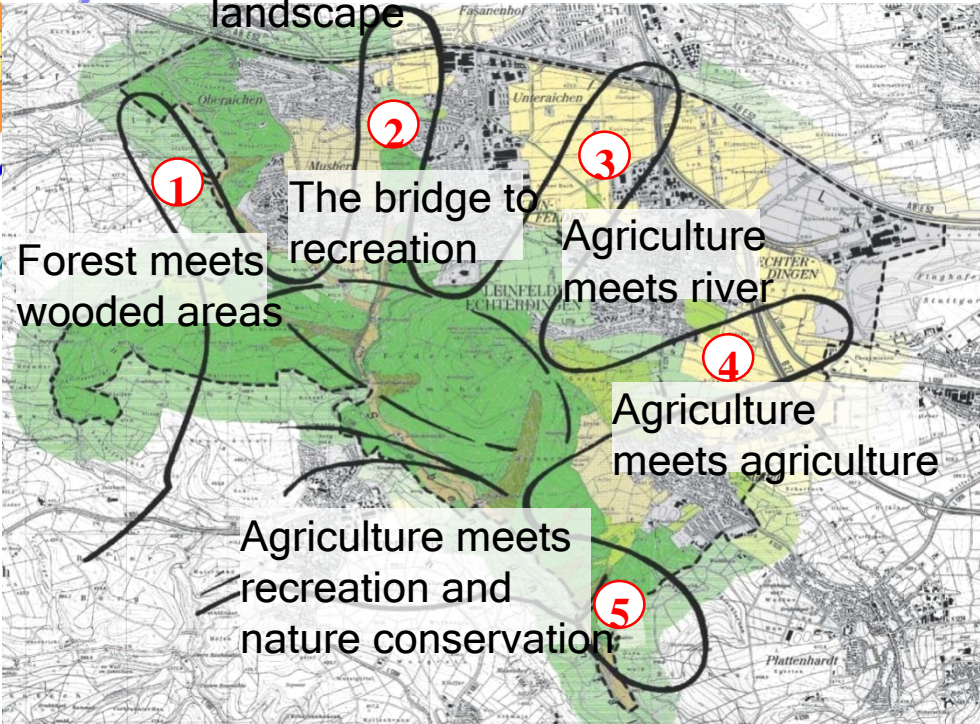
4. The Municipal Landscape Plan in Germany

Phase 2: Guiding principle

Example: Ideal principle for connectivity and habitat coherence



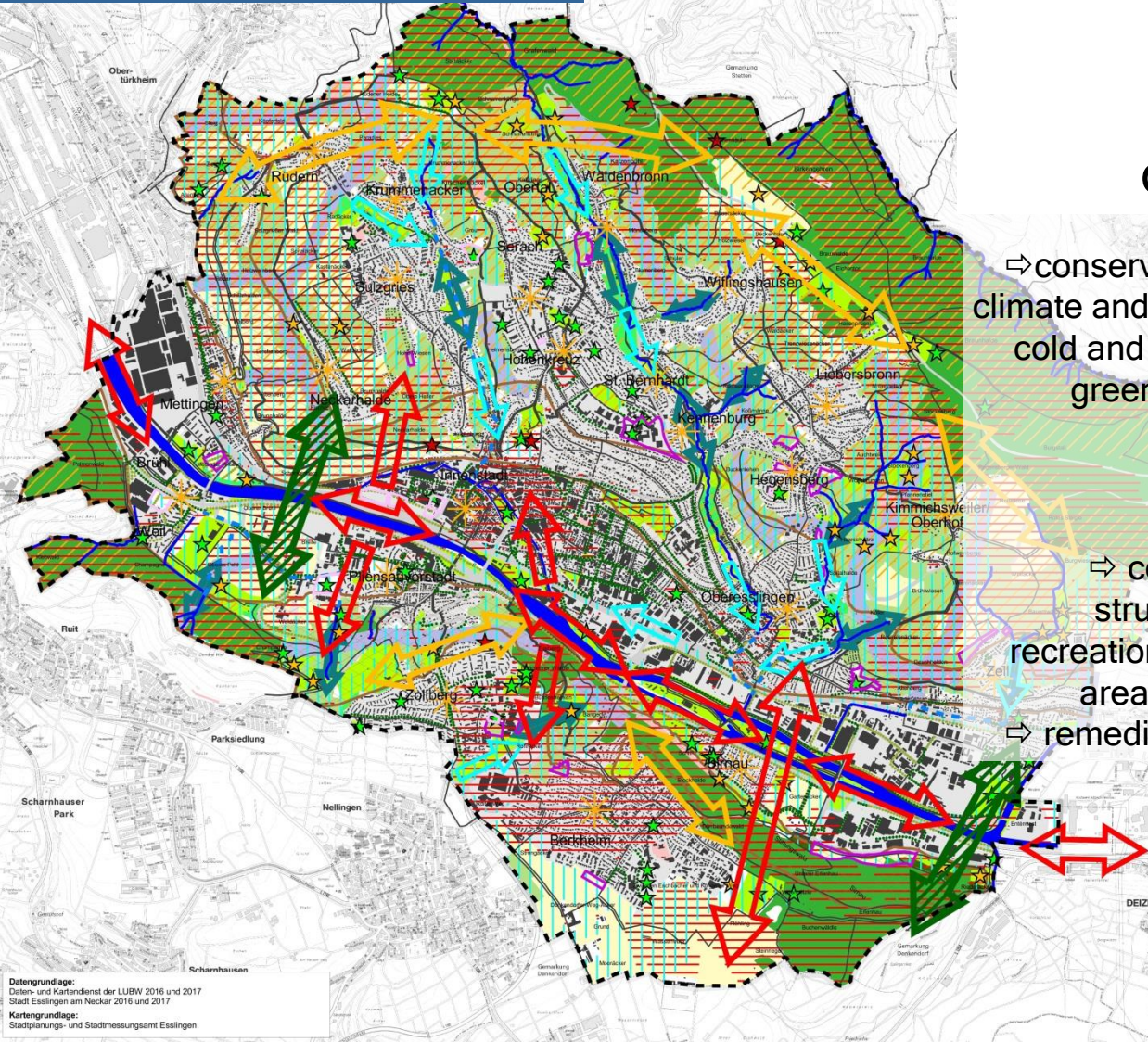
Example: Principle for “Landscape Fingers” connecting urban areas with the open landscape



4. The Municipal Landscape Plan in Germany

Phase 2: Definition of Goals

Example: City of Esslingen



Conservation and maintenance
of ⇒ protected areas;
⇒ forest land (use);
⇒ compensation offsets.

Conservation and improvement
open space and agricultural land:
⇒ conservation and improvement of diversity;
climate and air: ⇒ conservation of open land for
cold and fresh air production and ventilation;
green infrastructure: ⇒ conservation and
improvement of urban green areas.

Complement and remediation
⇒ complement urban green and habitat
structures in areas of high connectivity,
recreation and compensation demand and in
areas of demand for biodiversity offsets;
⇒ remediation of climatic adverse structures.

Datengrundlage:
Daten- und Kartendienst der LUBW 2016 und 2017
Stadt Esslingen am Neckar 2016 und 2017
Kartengrundlage:
Stadtplanungs- und Stadtmesungsamt Esslingen

PLANUNG+UMWELT
Stuttgart+Berlin www.planung-umwelt.de

Planungsbüro Prof. Dr. Koch
Hauptstr. Stuttgart
Friedr. Schiller-Str. 6
70571 Stuttgart
Tel. 0711 37655-0
Fax 0711 37655-33
E-Mail: info@planung-umwelt.de

Büro Berlin
Dietzgenstraße 71
13158 Berlin
Tel. 030 477506-0
Fax 030 477506-15
Info Berlin@planung-umwelt.de

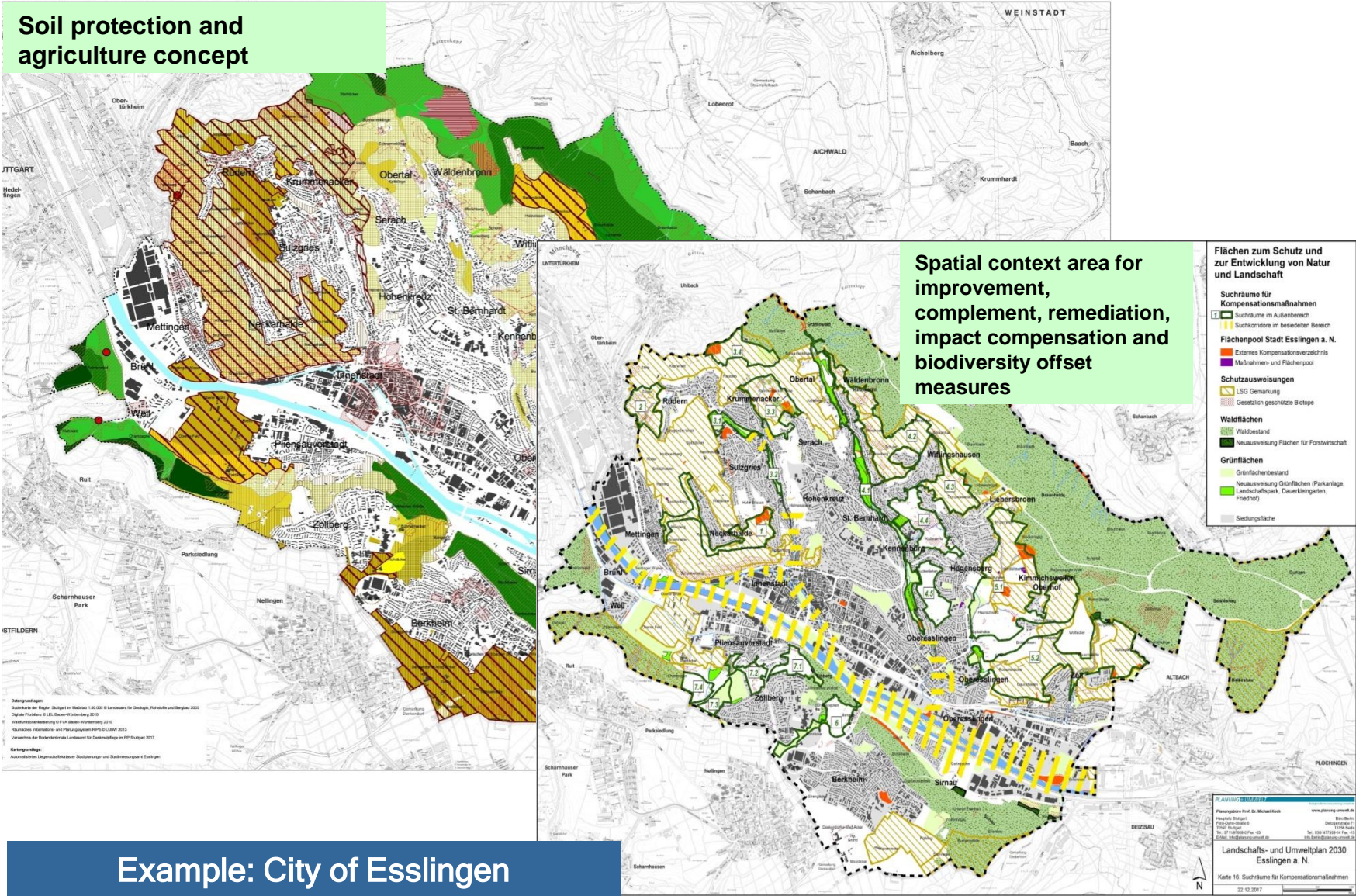
Landschafts- und Umweltplan 2030
Esslingen a. N.

Karte 15: Zielkonzept

22.12.2017

4. The Municipal Landscape Plan in Germany

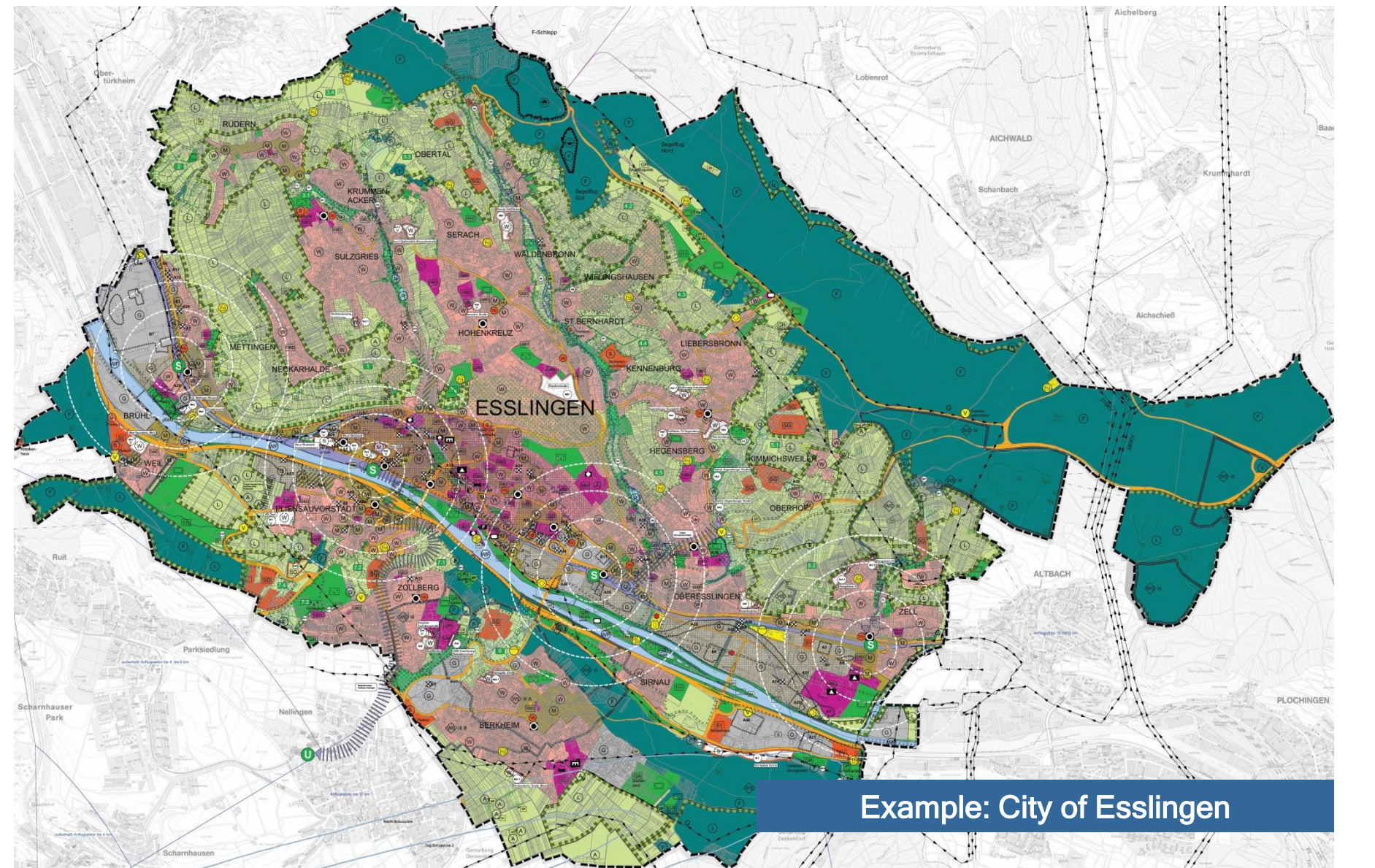
Phase 3: Measures Concept



Example: City of Esslingen

5. Integration of Landscape Aspects into Spatial Planning

Preliminary Land-use Plan

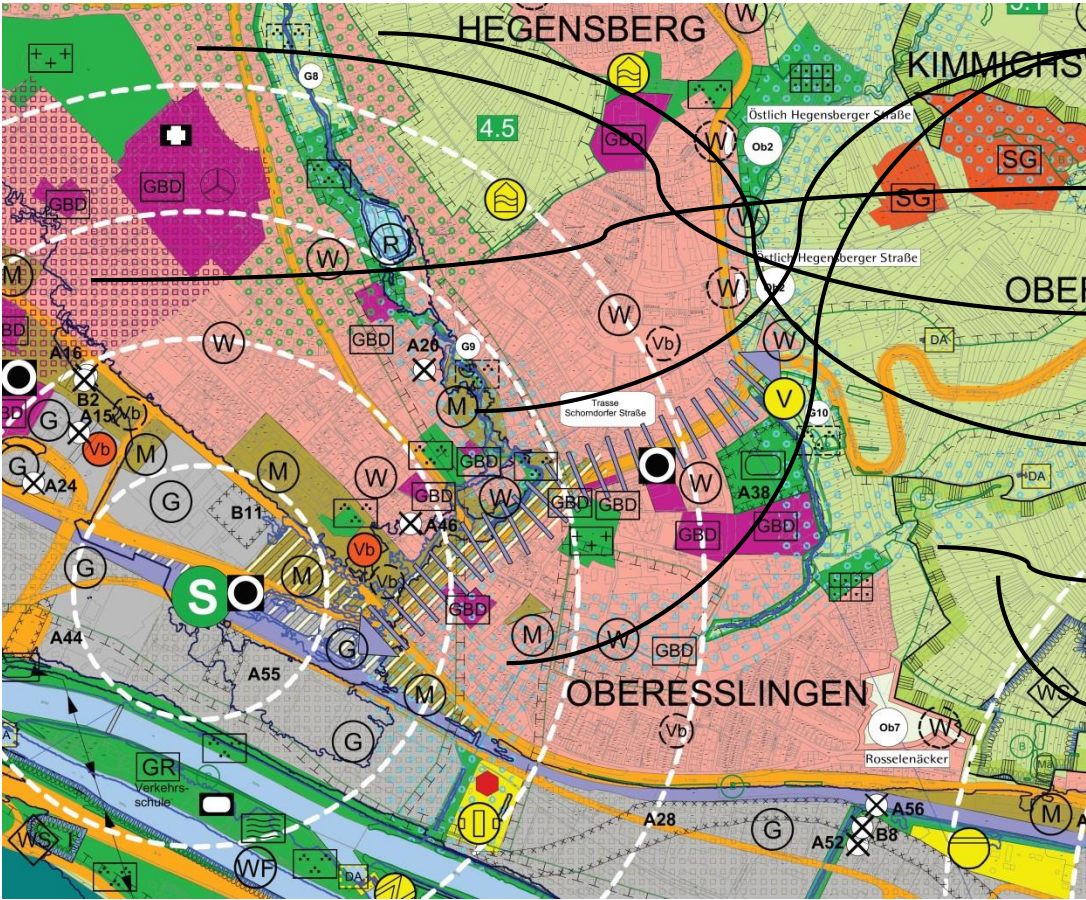


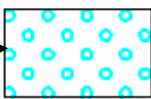
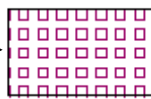
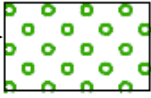
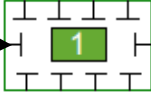


Example: City of Esslingen

5. Integration of Landscape Aspects into Spatial Planning

Preliminary Land-use Plan

Appropriate and required environmental contents
as result of a political but democratic evaluation process



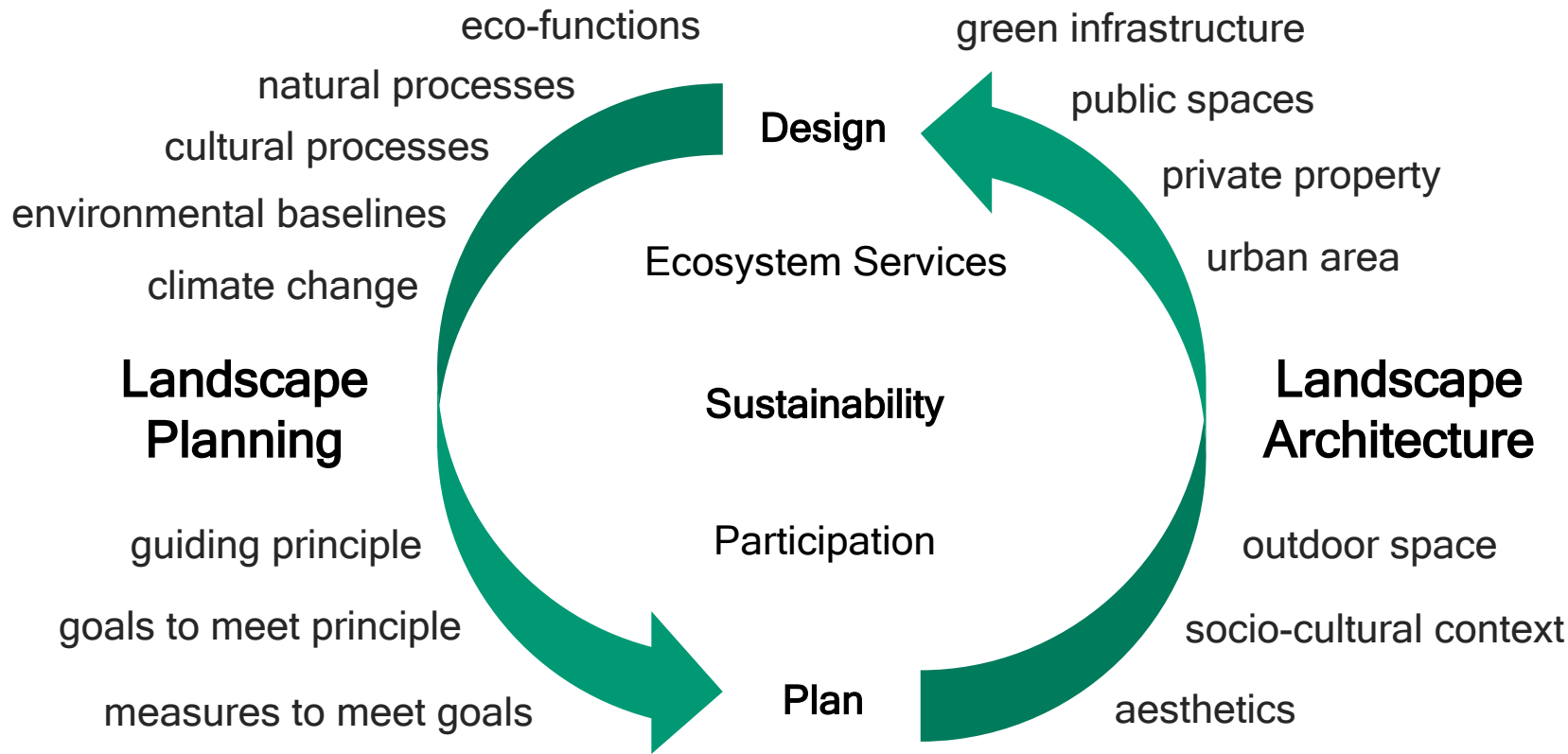
-  Conservation and improvement of ventilation corridors, avoiding future barriers
-  Reduction of urban heating, implementation of active cooling measures
-  Conservation of loose building and open spaces
-  Spatial context area for improvement, complement and impact compensation measures
-  Nature and landscape protection zones
-  Agricultural land use zone with need for improvement biodiversity and soil conservation

Example: City of Esslingen

6. Conclusion

Form follows function

Horatio Greenough, Louis Sullivan



6. Conclusion

Landscape planning delivers principles, goals, opportunities and measures for conservation, remediation and improvement of nature and urban ecosystems.

It prepares biodiversity offsets, green infrastructure and ecosystem services.

It provides environmental assessments and authorities with necessary baseline information needed for programme, plan or project approval.

It serves as an important instrument within planning systems and decision-making hierarchies.

However, where this is not the case, its role should be clarified and is at best based on a legal basis.

Through their cross-media approach, landscape planning, urban planning and landscape architecture form a mainstay for sustainable spatial development.



National Conference of Croatia:
Integrated Approach to Landscape Protection,
Planning and Management
20 October 2018, Zagreb, Croatia

LANDSCAPE PLANNING

Thank you for your attention