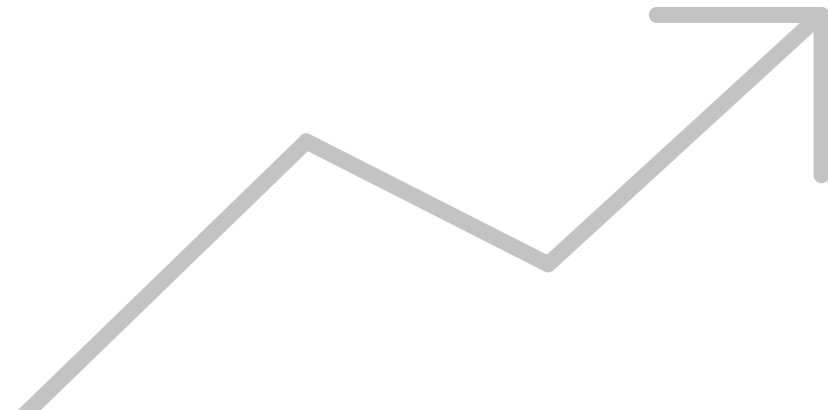


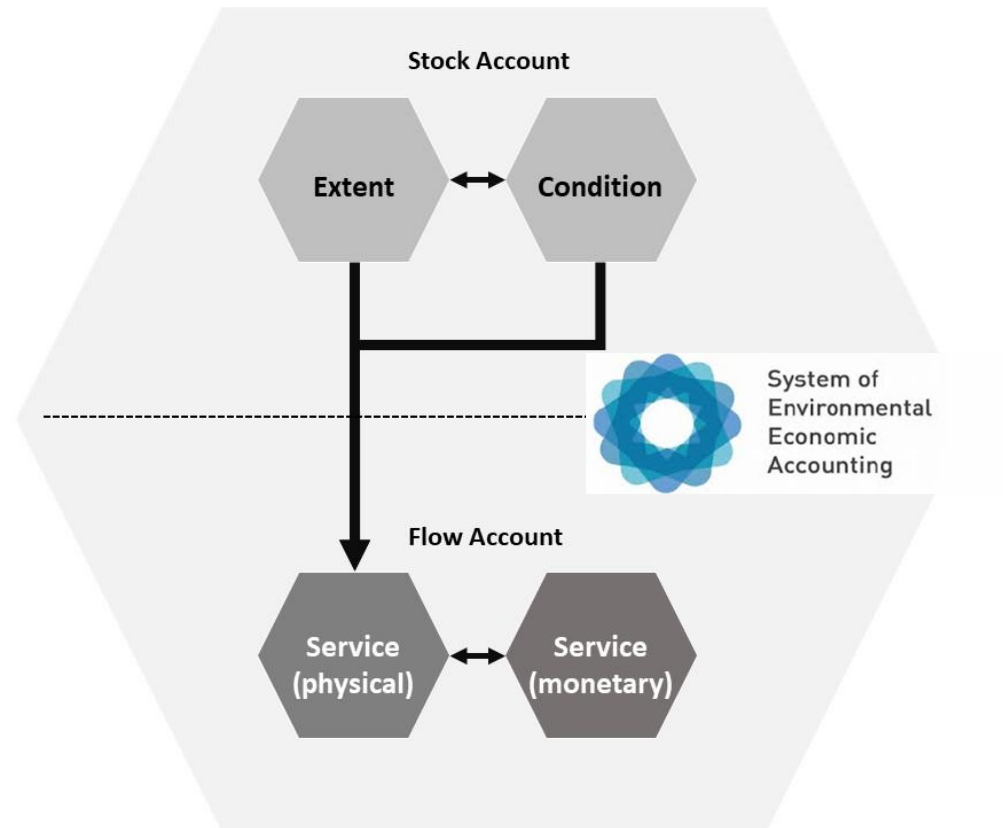
# Ecosystem Accounting in Germany- Current State and Challenges

Simon Felgendreher

Federal Statistical Office Germany

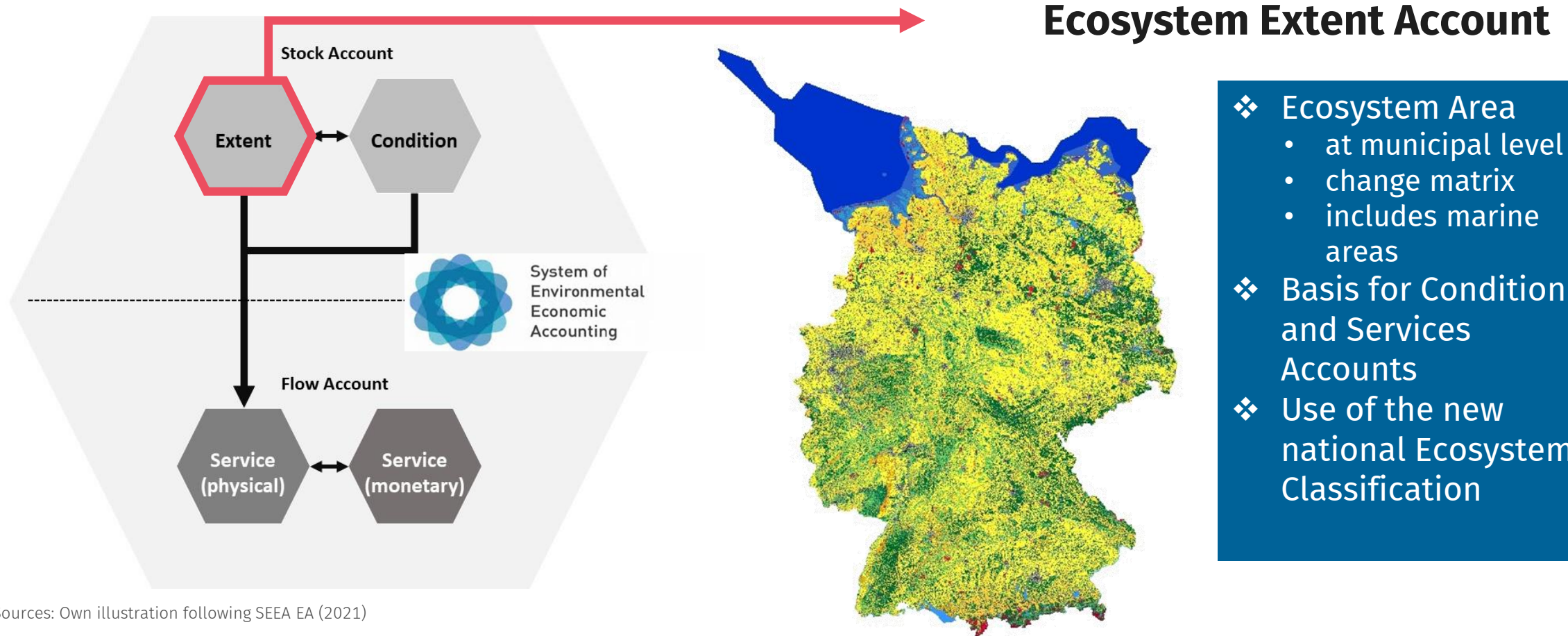


# Structure of the Ecosystem Accounts



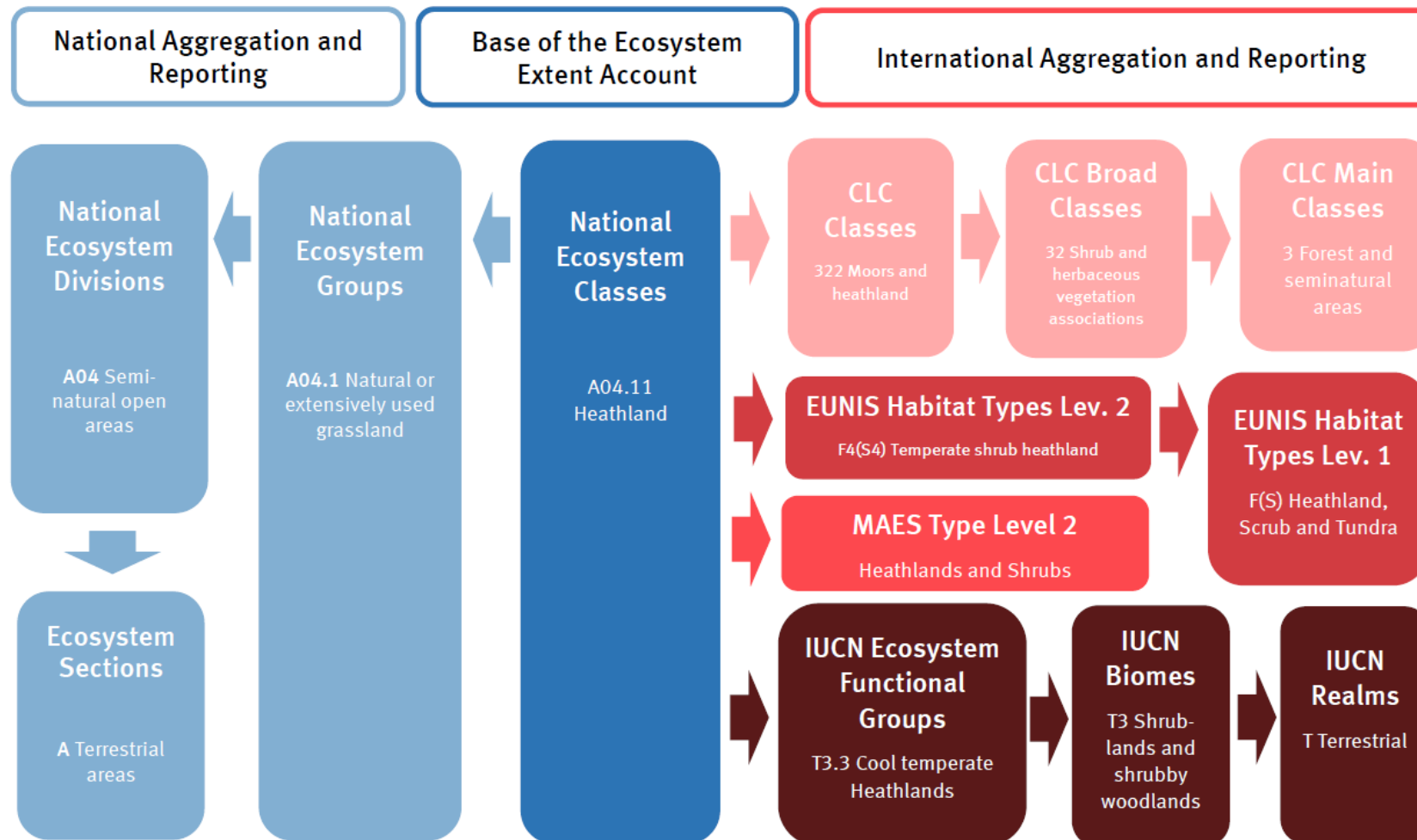
Sources: Own illustration following SEEA EA (2021)

# Structure of the Ecosystem Accounts



Sources: Own illustration following SEEA EA (2021)

# Ecosystem Classification

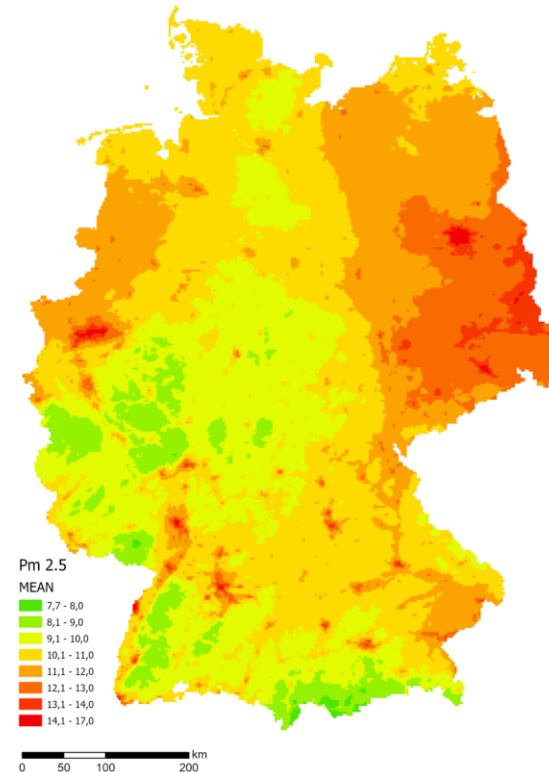
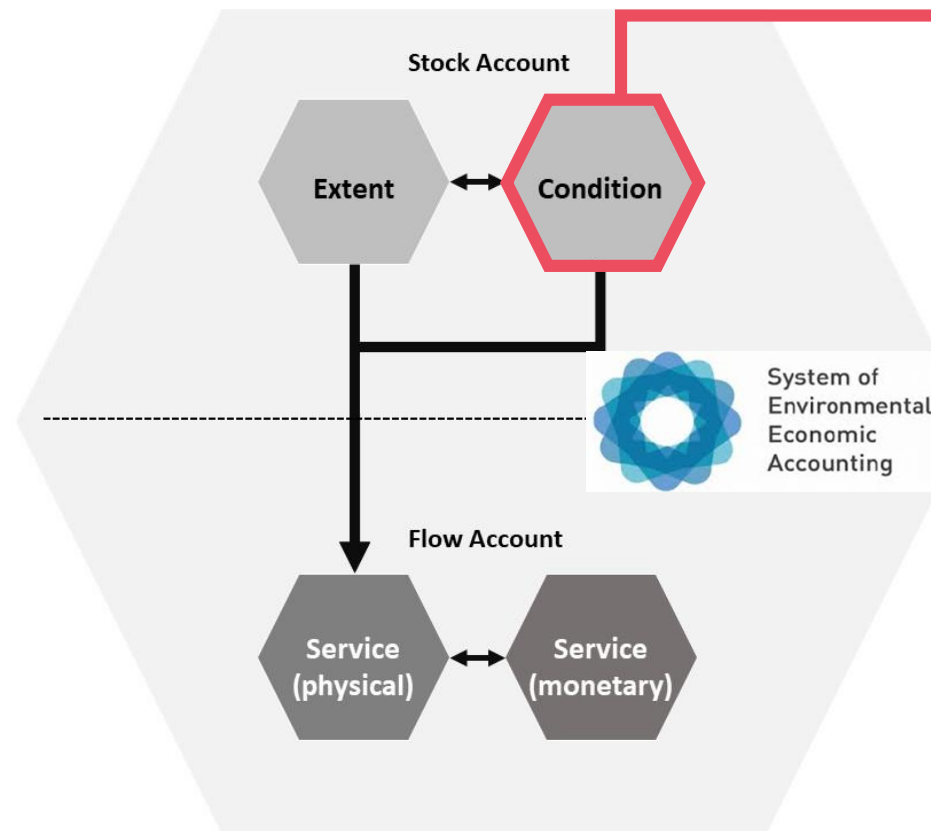






# Structure of the Ecosystem Accounts

## Ecosystem Condition Account



- ❖ Characteristic properties of the ecosystems
- ❖ Monitoring of the stability and integrity of the ecosystem
- ❖ Basis for Services Accounts

Sources: Own illustration following SEEA EA (2021)

# Ecosystem Condition Typology

<b>Forests and woodland</b>	<b>A Abiotic</b>	<b>Physical</b>	<b>AP 1</b>	<b>Soil Moisture</b>
		<b>Chemical</b>	<b>AC 1</b>	<b>Soil organic carbon</b>
			<b>AC 2</b>	<b>pH-value in soil</b>
			<b>AC 3</b>	<b>Ground level ozone</b>
	<b>AC 4</b>		<b>Particulate matter</b>	
	<b>B Biotic</b>	<b>Compositional</b>	<b>BC 1</b>	<b>Characteristic bird species</b>
		<b>Structural</b>	<b>BS 1</b>	<b>Tree cover density</b>
		<b>Functional</b>	<b>BF 1</b>	<b>Normalized Difference Vegetation Index (NDVI)</b>
			<b>BF 2</b>	<b>Vegetation period</b>
			<b>L 1</b>	<b>Fragmentation*</b>
	<b>L Landscape</b>	<b>L 2</b>	<b>Connectivity*</b>	
		<b>L 3</b>	<b>Diversity*</b>	
		<b>P 1</b>	<b>Area harmed by fire</b>	
	<b>Pressure Indicator</b>	<b>P 2</b>	<b>Area harmed by storm</b>	
	<b>Management Indicator</b>	<b>M 1</b>	<b>Share of protected area</b>	
	<b>Ancillary Data</b>	<b>Z 1</b>	<b>Precipitation</b>	
		<b>Z 2</b>	<b>Temperature</b>	
<b>Z 3</b>		<b>Transpiration</b>		

\* Methodological work ongoing and not finalized





# Conclusion

- ❖ Accounts relying on a wide range of data sets
- ❖ Scarce data on biota and biodiversity
- ❖ Remote sensing data
  - ❖ Continuous and reliable data provision necessary
- ❖ Water ecosystems
  - ❖ Reliance on data of established monitoring systems

# Thank you!

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