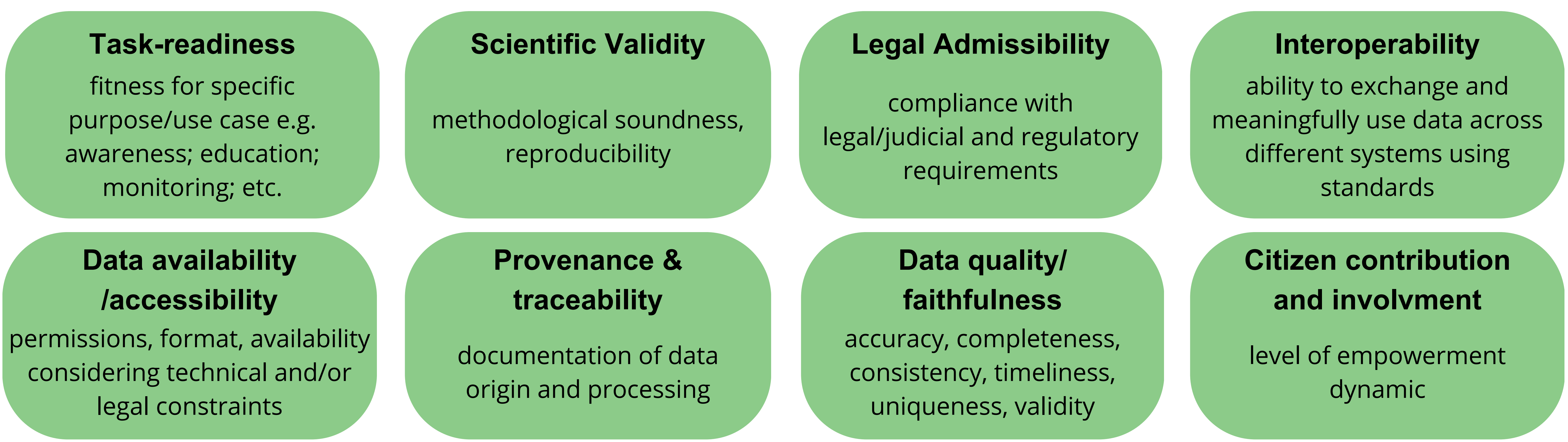


A Standards-Driven Maturity Framework for Ensuring Data Credibility and Scientific Validity for Regulatory Environmental Evidence

ENFORCE advances environmental compliance by bringing together citizen science, geospatial intelligence, and AI. Central to the project is the Data Readiness Level (DRL) framework, which standardises high-quality data from heterogeneous sources, bridging the gap between local data collection and regulatory requirements.

Data Readiness Level: Ensuring Actionable Environmental Data

DRL provides a structured maturity assessment across eight interconnected criteria to evaluate data maturity for regulatory use. It is a progression scale from **DRLO**, where sparse citizen-collected data initially supports compliance monitoring, to **DRL8**, where data meets juridical, spatial, and temporal granularity and is certified by competent bodies with validated methodologies.



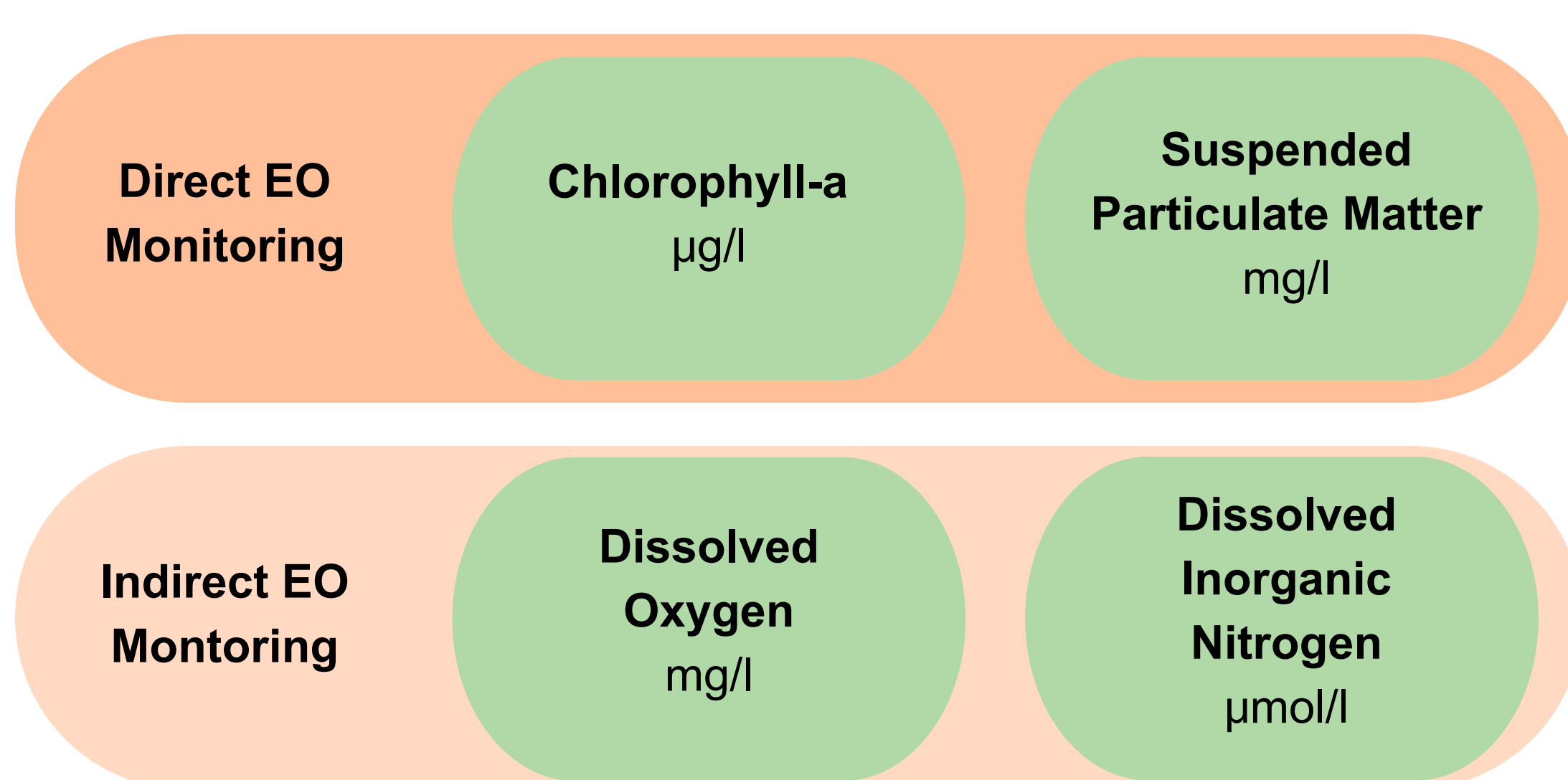
Our Case Studies

Eight case studies across Europe tailored to address the unique environmental challenges of their location



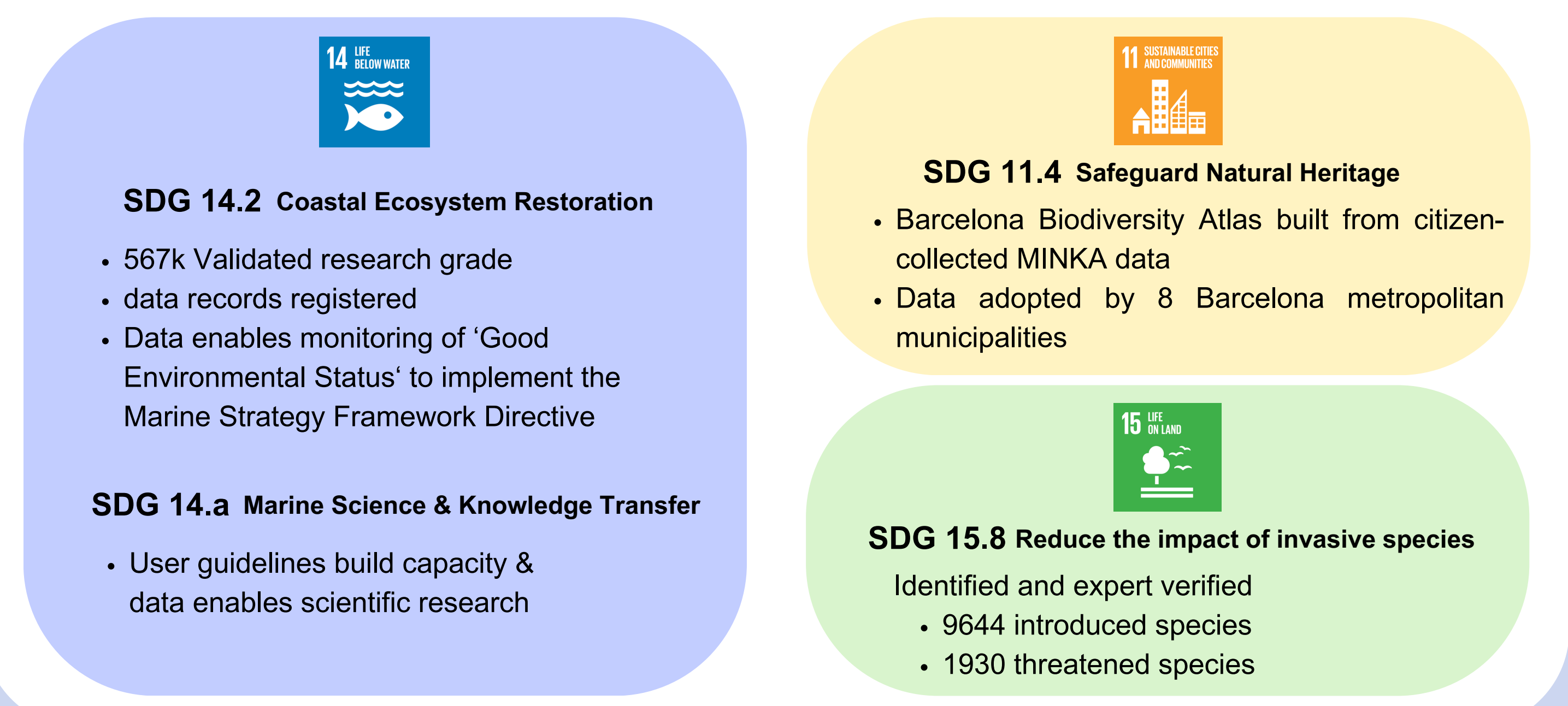
EO Indicators for Water Framework Directive Reporting

Only 1 in 5 rivers in the UK's West Country meet the Water Framework Directive's (WFD) ecological standards, mainly due to pollution from agriculture and sewage. EO based biophysical variables bridge spatial gaps in data, validate citizen science observations, and provide continuous temporal coverage within a WFD compliance context:



Non-Traditional Data for SDG Reporting **MINKA**

The MINKA Citizen Science Observatory, recognised as a UN SDG Acceleration Action, delivers essential biodiversity and ocean variables as non-traditional data sources, and will be processed through the DRL framework before integration into official reporting. It directly addressed several SDGs including:



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