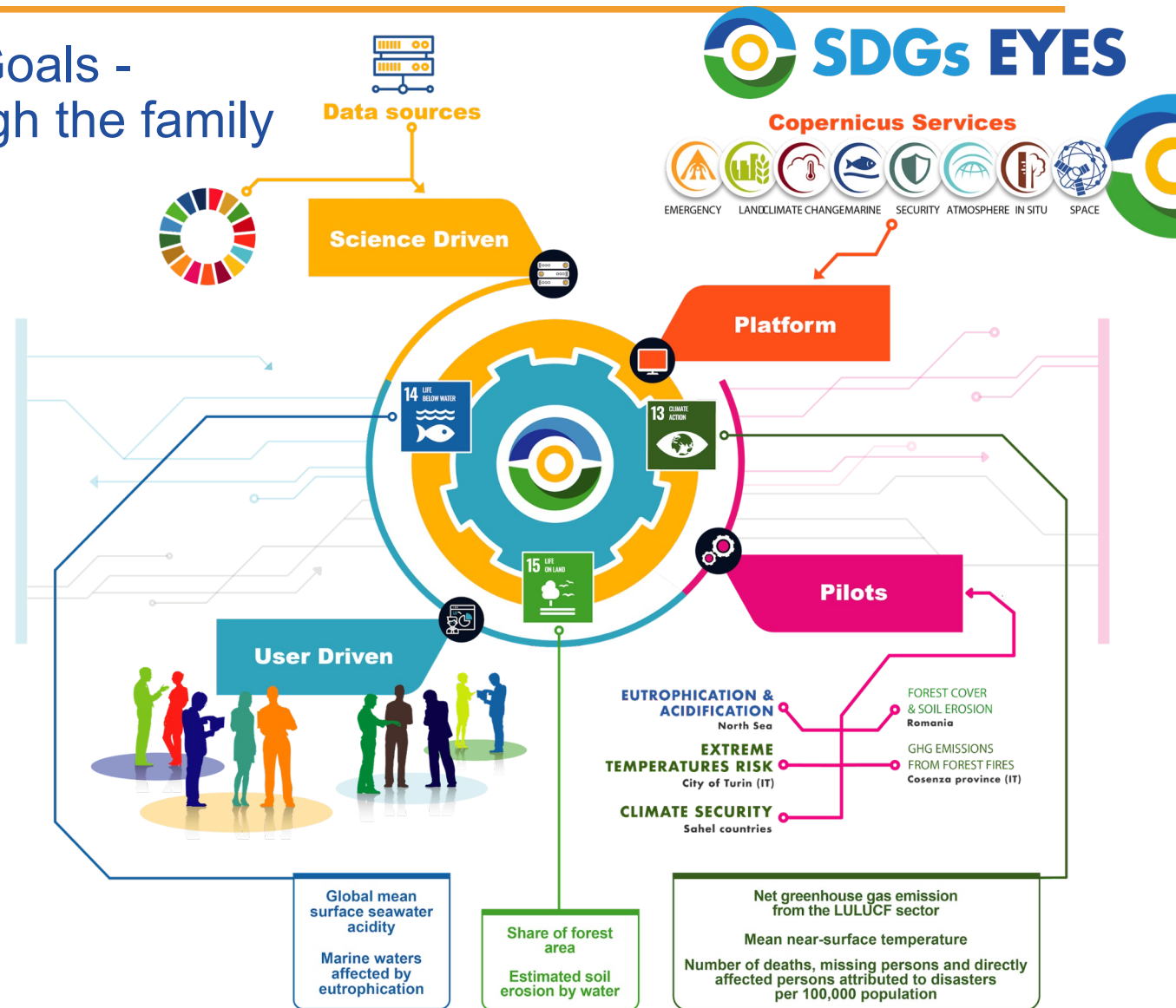





Sustainable Development Goals - Enhanced monitoring through the family of copErnicus Services

- to build a **scientific**, **technological** and **user engagement** framework for monitoring SDGs indicators.
- to create a portfolio of decision-making tools SDG 13, 14 and 15 from an inter-sectoral perspective, aligning with the EU Green Deal.
- Design and development of a new **scientific** and **technological** framework.
- Robust, reliable and accurate indicators.
- By aggregating & processing EO Copernicus data.
- By building iteratively the Service prototype, **the project gathers feedback from the end-users.**
- **Five pilots for demonstration, evaluation and assessment.**



Indicators' overview table

SDG	SDG Target	EUROSTAT code – name	UN code – name	SDGs-EYES re-naming (blue = significantly different)
13 – Take urgent action to combat climate change and its impacts 	13.2 – Integrate climate change measures into national policies, strategies and planning	13_21 – Net GHG emissions for the LULUCF sector*	13.2.2 – Total greenhouse gas emissions per year	greenhouse gas Emissions from Forest Fires (EFF)
	13.1 – Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	13_30 – Mean near-surface temperature**	13.1.1 – Number of deaths, missing persons and directly affected persons attributed to disasters per 100,000 population	Heat-Health nexus Risk (HHR)
				Affected Buildings and People (ABP)
14 – Conserve and sustainably use the oceans, seas and marine resources for sustainable development 	14.3 – Minimise and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels	14_50 – Global mean surface seawater*** acidity	14.3.1 – Average marine acidity (pH) measured at agreed suite of representative sampling stations	Sea Surface Acidity (SSA)
	14.1 – By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution	14_60 – Marine waters affected by eutrophication	14.1.1 – (a) Index of coastal eutrophication; and (b) plastic debris density	Marine Waters Eutrophication (MWE)
15 – Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss 	15.1 – By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements	15_10 – Share of forest area	15.1.1 – Forest area as a proportion of total land area	Forest Cover Change (FCC)
	15.3 – By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world	15_50 – Estimated soil erosion by water	15.3.1 – Proportion of land that is degraded over total land area	Soil Erosion by Water (SEW)

* [major] 13_10 “Net GHG emissions” in the Grant Agreement; ** [major] Dropped in EUROSTAT 2022; *** [minor] “ocean” in previous versions (EUROSTAT, 2022)

Where we are - and will be - with the grading

EU grading

	High score
	Medium score
	Low score
	N.A. or T.B.A.

Initial assessment from D3.1	SDG 13			SDG 14		SDG 15	
	EFF (Emission Forest Fires)	HHR (Heat Health nexus Risk)	NPD – ABP (Affected buildings&people)	SSA (Sea Surface Acidity)	MWE (Marine Waters Eutrophication)	FCC (Forest Cover Change)	SEW (Soil Erosion by Water)
Frequency of dissemination			Data and methods			Data and methods	Data and methods
Timeliness	Data		Data and methods	Data	Other	Data and methods	Data and methods
Reference area	Other	Data and methods	Other	Data and methods	Other	Other	Other
Comparability – geographical		Data and methods	Data and methods	Data and methods		Other	Other
Coverage – Time			Data and methods	Other	Other	Data and methods	Data and methods
Comparability – over time			Data and methods			Data and methods	Data and methods

Improvements in:
[Data](#)
[Data and methods](#)
[Other, e.g. country/region discretization, time coverage](#)