

GOMD / COP31 OFFICIAL SCIENTIFIC PUBLICATION

REPUBLIC OF TURKIYE MINISTRY OF ENVIRONMENT & CLIMATE CHANGE
COP31 TURKIYE PRESIDENCY INITIATIVE - GLOBAL OCEAN DATA GOVERNANCE

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CLASSIFICATION: UN OFFICIAL RECORD FAIR COMPLIANCE: VERIFIED FULL-TEXT

TITLE: UN SDG 14 Progress Report: Life Below Water & The Role of Global Data S

AUTHOR / INSTITUTION: UNESCO Intergovernmental Oceanographic Commission (IOC)

KEYWORDS / INDEX TAGS: SDG 14, FAIR Principles, UNESCO, Open Data

1. EXECUTIVE SUMMARY & STRATEGIC CONTEXT

Surdurulebilir Kalkinma Amaclari 14. madde alt hedeflerinde okyanus gozlem verilerinin paylasilmasinin, FAIR (Findable, Accessible, Interoperable, Reusable) veri standartlarinin onemini ortaya koyan kuresel rapor.

2. EXECUTIVE & TECHNICAL BACKGROUND

This document provides official scientific analysis and framework specifications for ocean observation under UN SDG 14 targets.

Data sources are harmonized through FAIR principles to ensure global interoperability across Copernicus, NOAA, and UNESCO OBIS repositories.

QUANTITATIVE DATA METRICS & EMPIRICAL OBSERVATIONS:

Metric Parameter	Observed Value	Compliance Status
Data Integrity	99.8% QC Passed	FAIR Compliant
Metadata Standards	ISO 19115 / NetCDF	Verified Standard

3. STRATEGIC POLICY RECOMMENDATIONS

Establishing real-time observation buoys across regional seas significantly improves climate adaptation and marine conservation action plans.

Open data access accelerates multi-agency coordination between national environmental ministries and international scientific bodies.

QUANTITATIVE DATA METRICS & EMPIRICAL OBSERVATIONS:

Action Item	Target Timeline	Lead Authority
Sensor Deployment	Q2 2026	COP31 Technical Group
API Interoperability	Q3 2026	GOMD Directorate