The World Environment Situation Room
"The UNEP data, information and knowledge platform"

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UN environment programme

Aims and description

- The World Environment Situation Room (WESR) is UNEP on-line data, information and knowledge platform.

- It enables users to find, visualize, interrogate, access, link and download data, information and knowledge products regarding the world environment situation, including in near real-time.

- It will take UNEP into the digital age and establish a leadership role on environmental data. WESR will be customized to fulfil UNEP's mandates and fill both an important and unique niche in the emerging digital infrastructure for the planet.

- WESR is transforming data into information and knowledge products and made them available to support the science – policy process toward sustainable development. It aims at Harnessing Big Data for the environment, planet, people and places.

WESR supports UNEP's functional needs...

Assessments

GEO, Emissions Gap Report, IPCC, IPBES, Regional Seas Quality Status Report,…

Foresights

SDG, Foresight Briefs, emerging enviornmental issues

Monitoring

Global Environmental Monitoring Systems on Water
Air Quality Monitoring
Monitoring Land and Biota Systems
Monitoring the Oceans

Divisions

Science, Ecosystems, Law, Economics, Communications, Policy and Programme, Corporate Service, Governance Affairs Office.
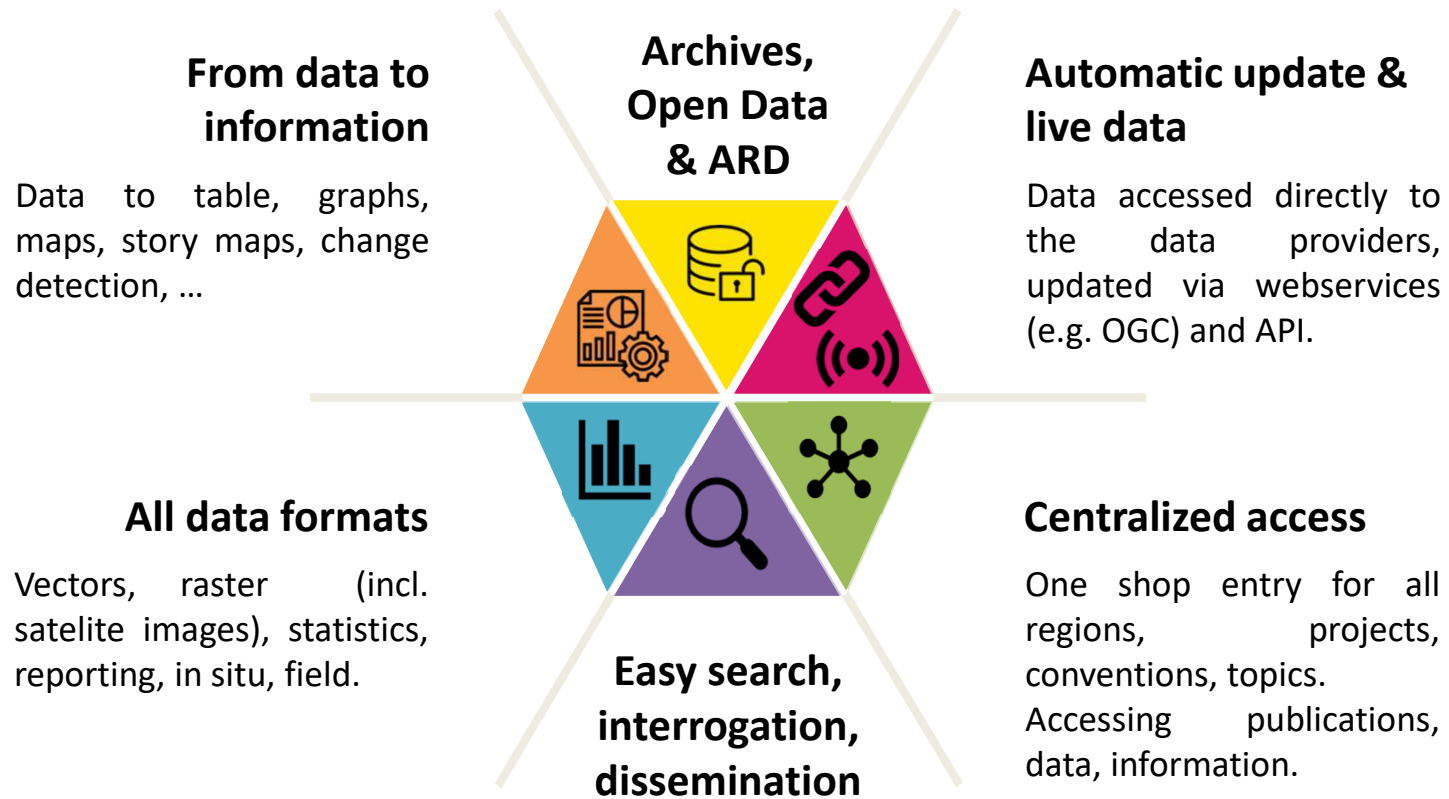
Regions

North America, Latin America and the Caribbean, Africa, Europe, Asia & Pacific, Polar.

SDGs & MEAs

SDGs, CBD, Ramsar, Stockholm, Basel, Montreal, UNFCCC, …

Formats, standards and full interoperability

From data to information

Data to table, graphs, maps, story maps, change detection, …

Archives, Open Data & ARD

Automatic update & live data

Data accessed directly to the data providers, updated via webservices (e.g. OGC) and API.

All data formats

Vectors, raster (incl. satelite images), statistics, reporting, in situ, field.

Easy search, interrogation, dissemination

Centralized access

One shop entry for all regions, projects, conventions, topics. Accessing publications, data, information.

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Features

QUICK UPDATES AND ACCESS
Using cloud technology

INTERROGATION
User can interrogate and querry

VISUALISATION
Display and visualisation of data. Such as graphs, tables, maps, story maps, dashboards

PROCESSING
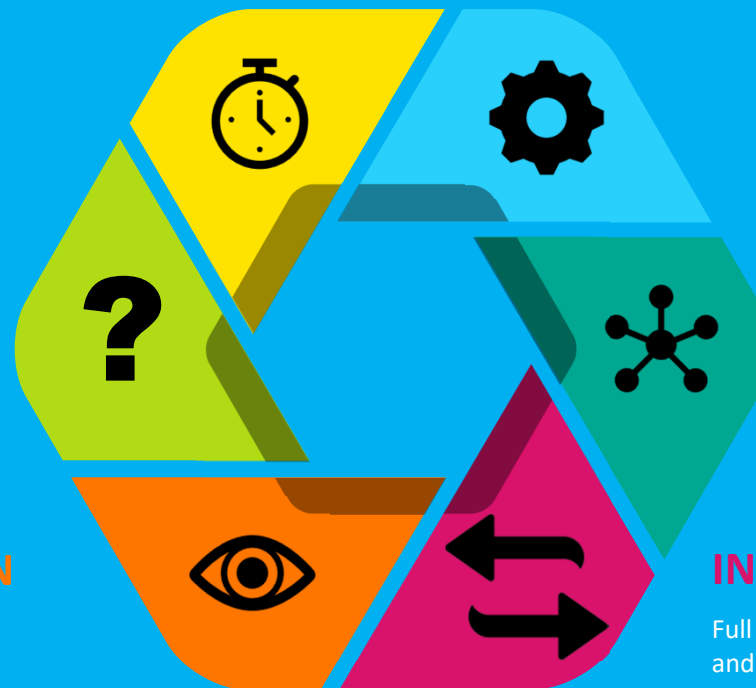Intersection, change detection, trend analysis,...

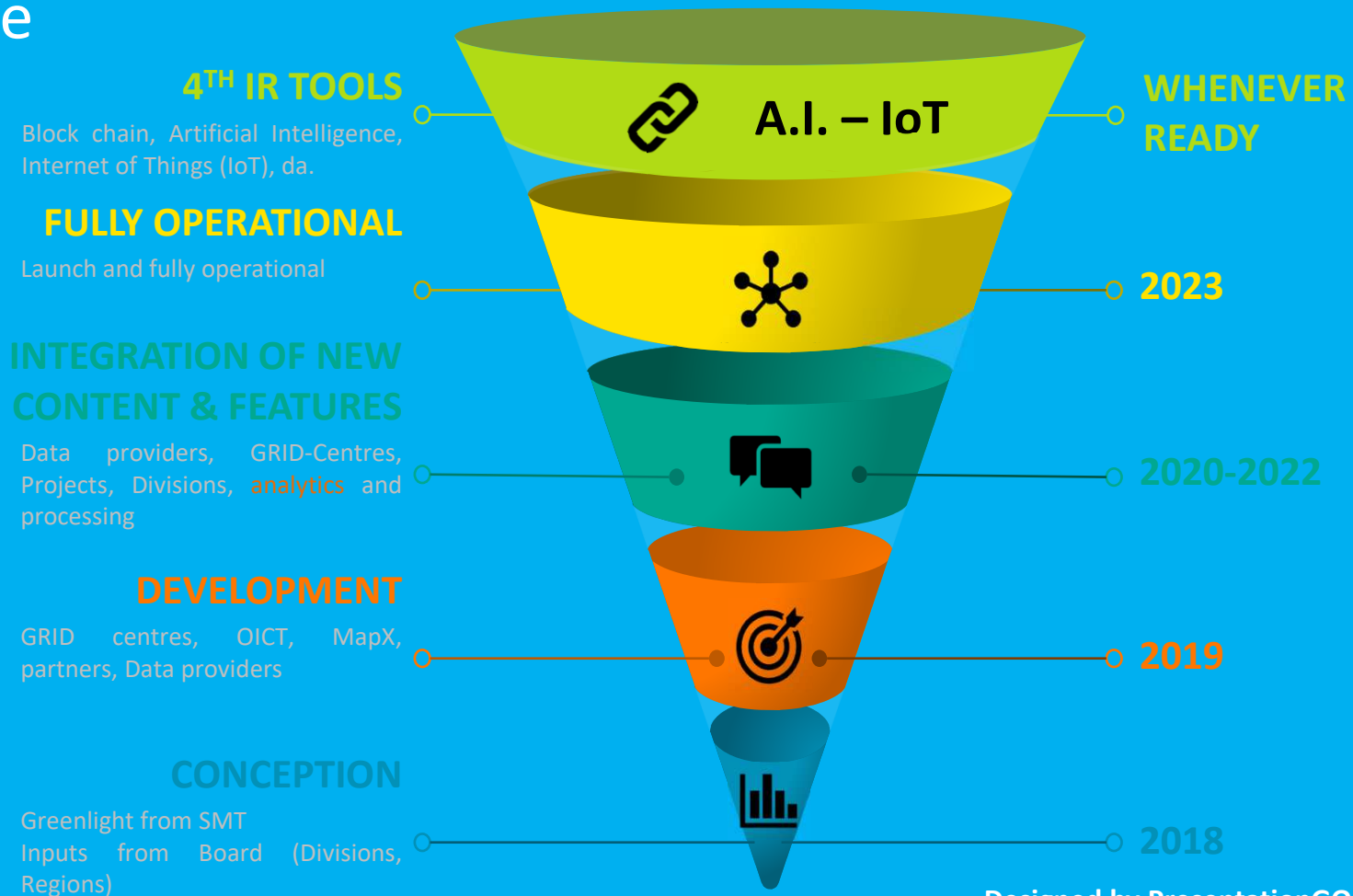**SEARCH**
One entry search for data, and publications

INTEROPERABILITY
Full interoperability using standard format and OGC webservices. Downloads.
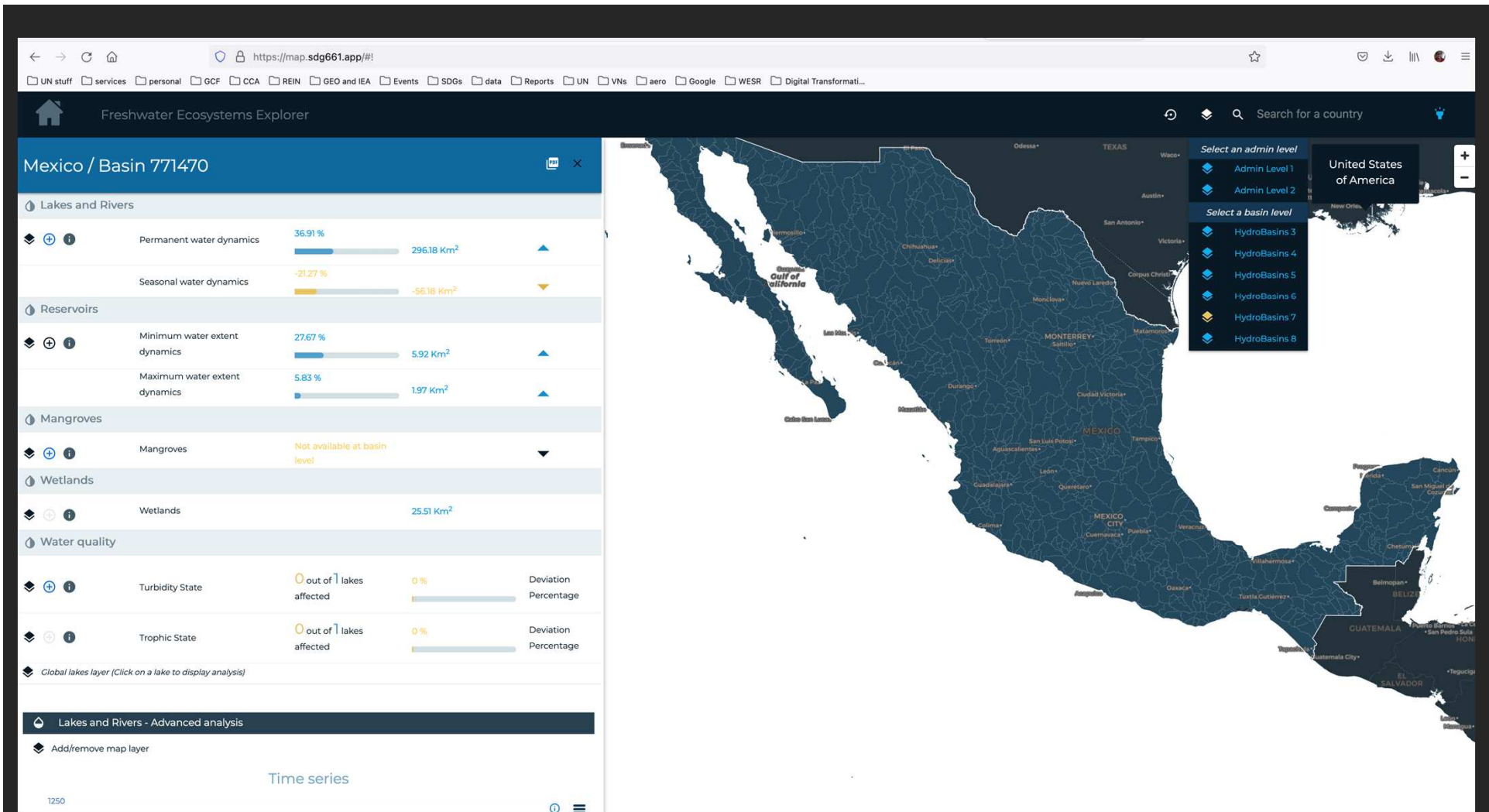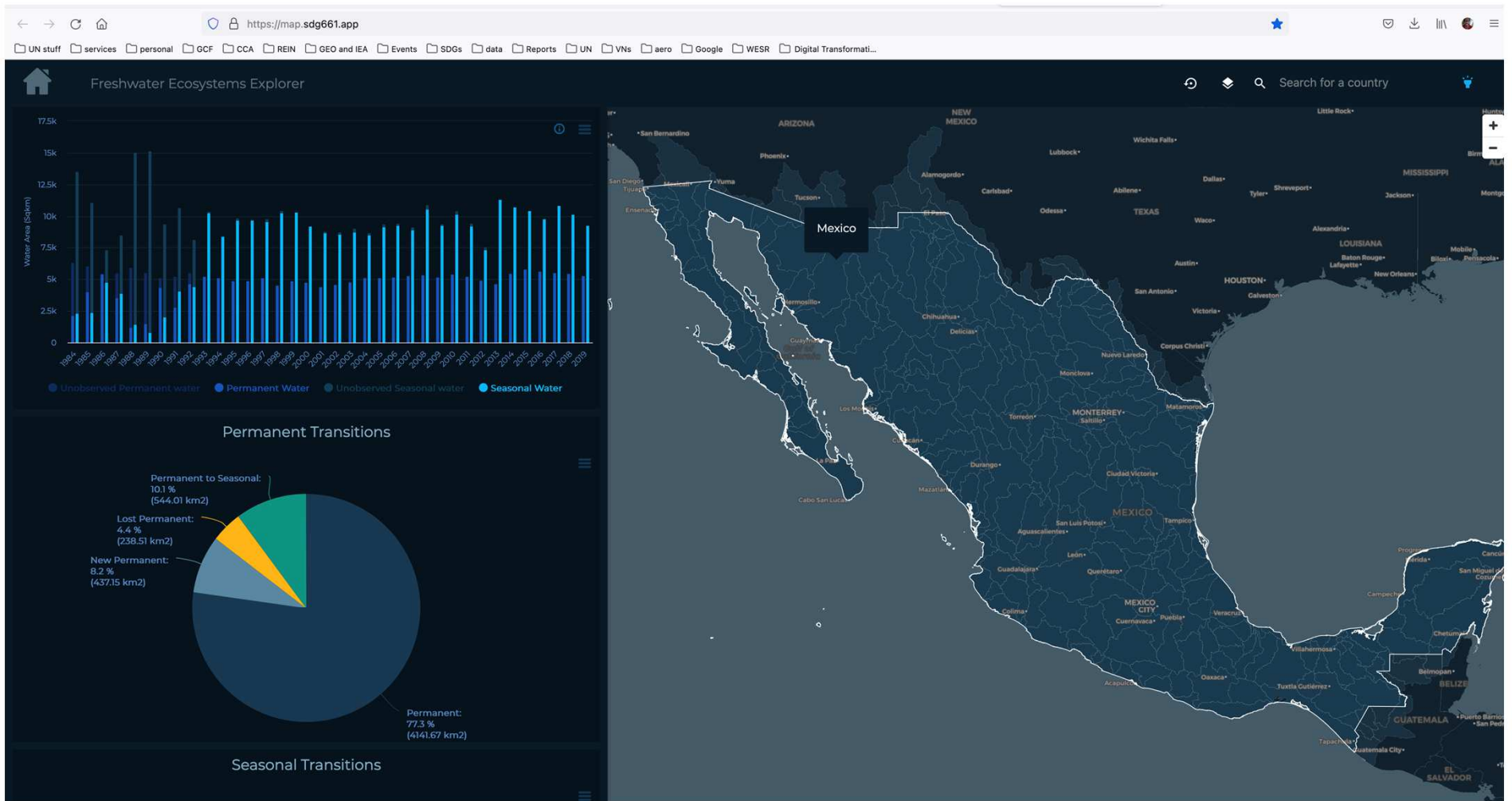
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World Environment Situation Room – Draft concept – © Pascal Peduzzi, UN Environment 2018

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Data providers

Data updated via webservices or stored in Various servers + cloud(s)

Satellite, GIS, models, in situ, reporting, stats...

Statistics database

Vector database

Raster Database

Satellite images

Documents

Data export

World Environment Situation Room

Single entry tool
Search tool: key words, themes, regions/countries, data types/documents types

Tables

Trends

Geospatial data

Statistics maps

Satellite images

Information products

Story maps

Thematic maps

Change detection

Indicators

Live/Interactive graphs

Documents

Timeline

4TH IR TOOLS

Block chain, Artificial Intelligence, Internet of Things (IoT), da.

A.I. – IoT

WHENEVER READY

FULLY OPERATIONAL

Launch and fully operational

2023

INTEGRATION OF NEW CONTENT & FEATURES

Data providers, GRID-Centres, Projects, Divisions, analytics and processing

2020-2022

DEVELOPMENT

GRID centres, OICT, MapX, partners, Data providers

2019

CONCEPTION

Greenlight from SMT
Inputs from Board (Divisions, Regions)

2018

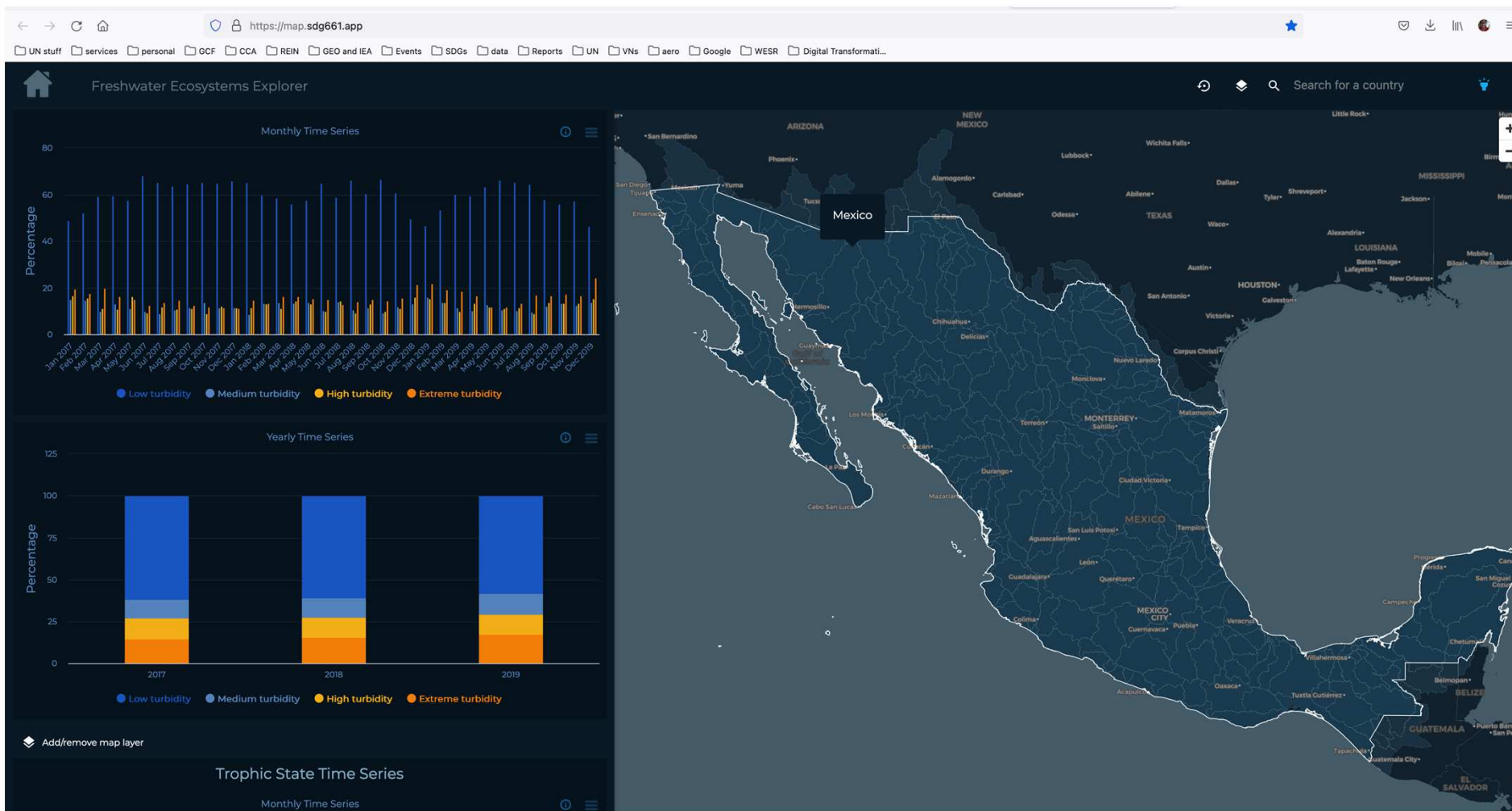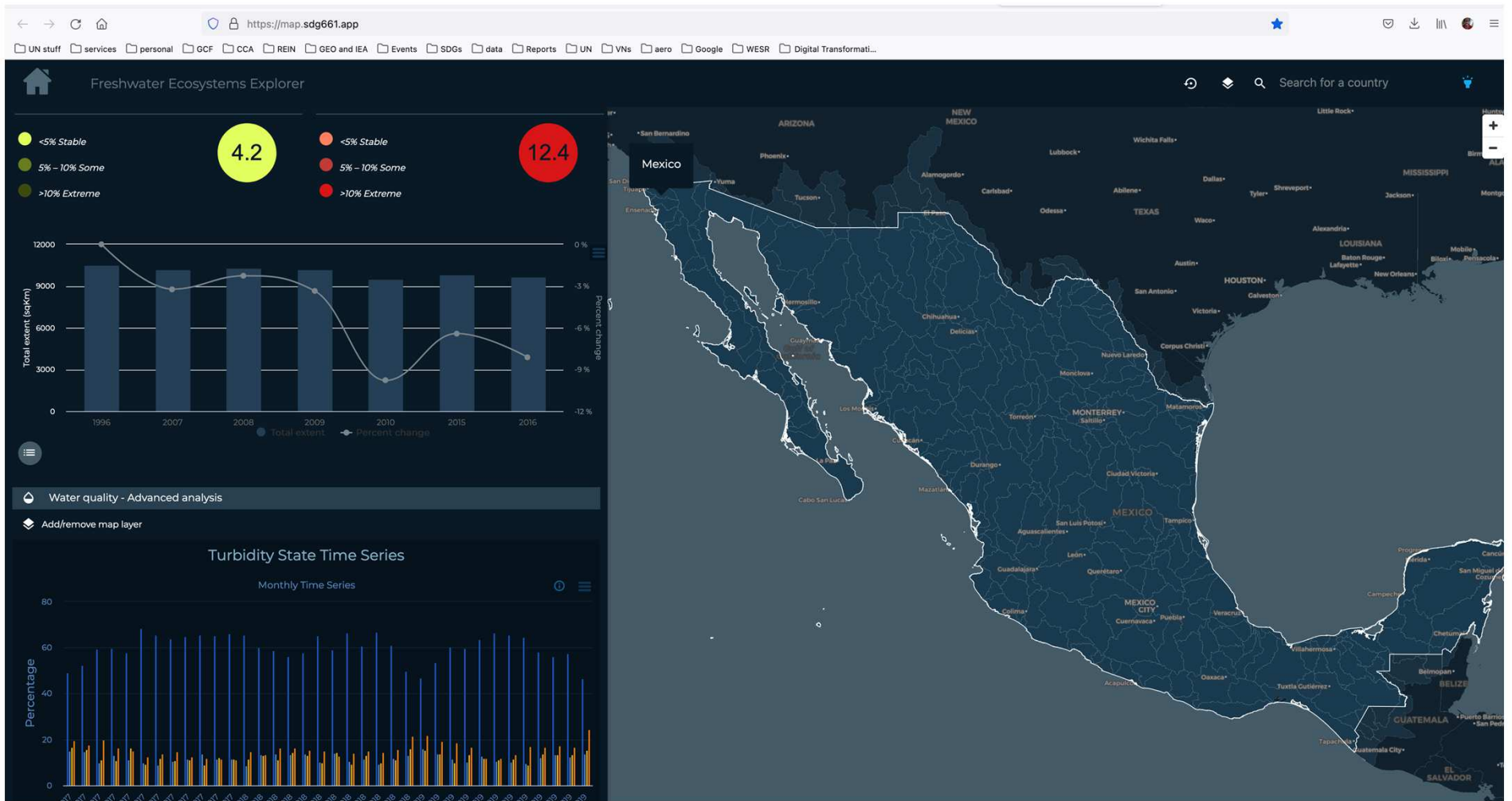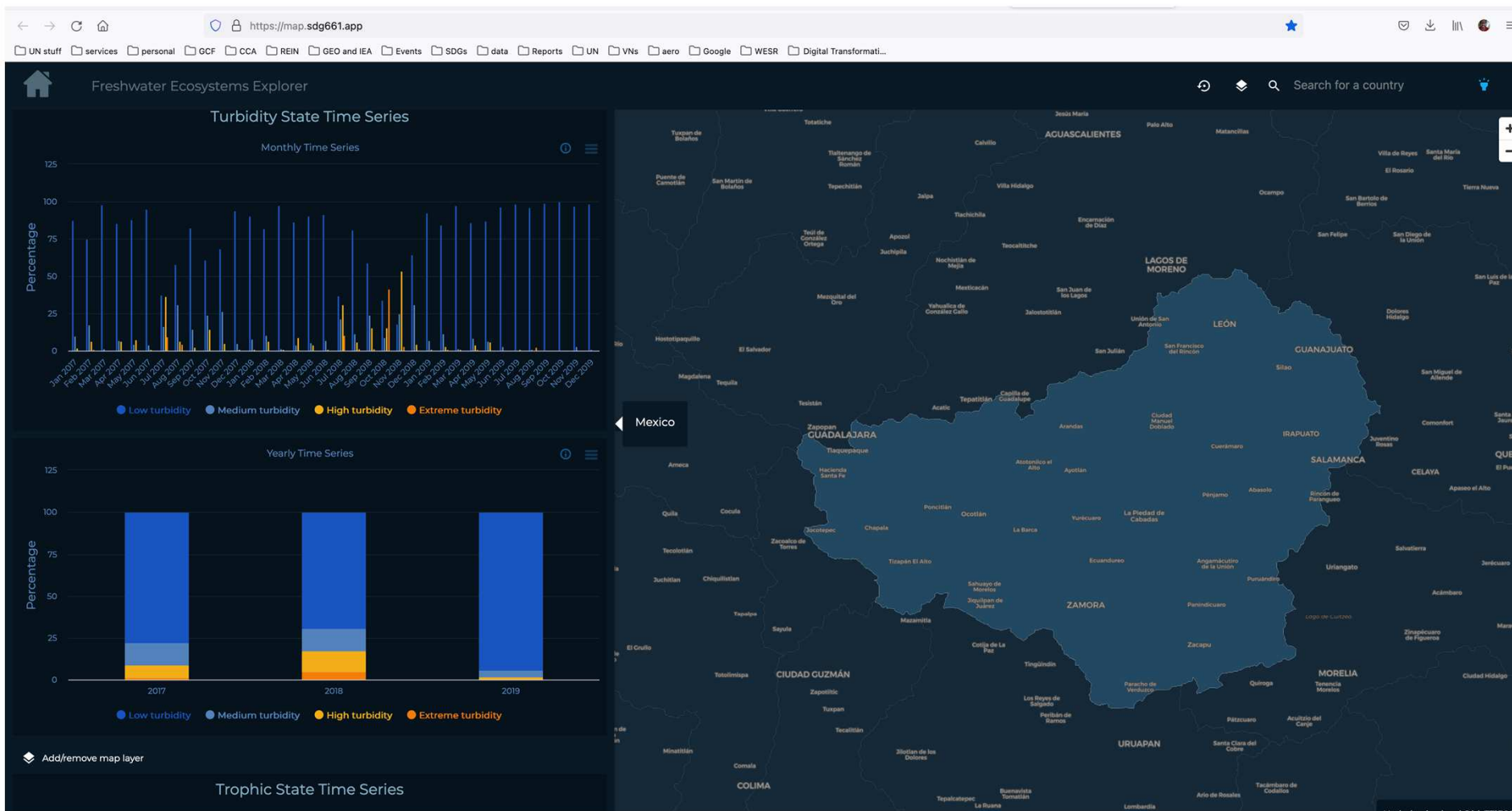**Designed by PresentationGO.com**

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Freshwater Ecosystems Explorer

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ONU 🌐
programa para el
medio ambiente

Thank you

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www.unep.org