UNDATA Modernization Context

- Response to UN Secretary-General’s Data Strategy
- Informed by the Roadmap for Innovating UN Data and Statistics
- Endorsed by UN Secretary-General’s Executive Committee
Overall objectives

- Increase visibility and access to authoritative sources of statistical data and metadata
- Improve search and analytic capabilities for policy and decision makers
- Enable interoperability of statistical data from across the UN system, Member States and other partner organizations
- Enhance data value through meaningful interlinkages across global, regional and national data portals
Harness the UN's authority, credibility, and name recognition to unify efforts and collaborate across all stages of the data life cycle.

Ensure trust in data through data quality and adherence to standards.

Develop capacity of all stakeholders to both contribute and use a common, modern data infrastructure.
Partnership with Google Data Commons

- Objective is to develop a customized, self-hosted knowledge graph, leveraging semantic web technologies and standards, building on groundwork laid in 2022
  - Project duration: 2 Years
  - Initial deliverables focused on SDG data
  - Key components include cloud infrastructure, NLP and ML capabilities, automated data pipelines, user friendly APIs and front-end, as well as resources for capacity development, communication and outreach
Towards a distributed UNdata Knowledge Graph

The objective is to capture the concepts and relationships required to:

- Establish explicit and implicit links to external resources, thus making data more easily findable, searchable, and usable.
- Build applications that efficiently access related data across multiple domains using linked open data techniques.
- Generate insights by reasoning over complex relationships.
- Incrementally add new data and evolve the data schema to accommodate new data types and new use cases.
SDG Summit, 18-19 September 2023

- Launch of a first version of the UN Data Commons, focused on SDG data

- Powerful data visualizations
- Advanced Natural Language search functionality making it easy for users to access, explore, and utilize the data

https://unstats.un.org/UNSDWebsite/undatacommons/sdgs/
Dashboard of 3000+ SDG statistical indicators

Powered by UN's Custom Data Commons instance

SDG progress by goal, country, area, and search

Pages
  - Home
  - SDG progress country and area
  - SDG global progress
  - Natural language search
Natural Language Search
https://unstats.un.org/UNSDWebsite/undatacommons/sdgs/search

- Answers questions about a place and a topic
- Landing page: suggested queries
- Contextual queries
  - “Hunger in Nigeria”
  - Follow-up query: “What about poverty?”
- Place comparison queries
  - “Compare progress on poverty in Mexico, Nigeria and Pakistan”
- Queries about specific SDGs
  - “SDG 11 in europe”
Next iteration: Towards the 2024 Session of the UN Statistical Commission

- Fully incorporate dataset from “pilot agencies”, creating new thematic and data provider landing pages
- Provide partner agencies tools to streamline their data integration workflows
- Refine natural language search capabilities
bit.ly/undatacommons_sdgs