

Data-Driven Initiatives for Accelerating Sustainable Development Goals

Showcasing UNDP initiatives in Cambodia and globally

What will be covered?

UN DP

- 1. Data Principles for UNDP
- 2. A snapshot to Sustainable Development Goals
- 3. How do we leverage open data: Examples from global and country office initiatives
- 4. Conclusion: How data contributes to accelerating Sustainable Development Goals

Data Principles for UNDP



UNDP was the first in the United Nations system to adopt a Digital by Default approach, which is geared towards fully integrating digital into programming at both the country and corporate strategic levels.

Plan for reusability and interoperability

Ensure data is versatile and adheres to open standards for broader use.

Empower People to Work with Data

Equip individuals with the skills and tools for data comprehension and utilization.

Safeguard Personal Data

Incorporate privacy into data handling and anonymize data prior to sharing.

Uphold the Highest Ethical Standards

Align data practices with the UN Charter and human rights norms for societal benefit.

Manage Data Responsibly

Maintain high-quality, secure, and accountable data management.

Expand Frontiers of Data

Innovate to enhance data access and representation of marginalized groups.

Make Data Open by Default

Share data openly, avoiding unnecessary restrictions.

Be Aware of Data Limitations

Identify and address potential biases and shortcomings in data usage.

Sustainable Development Goals







How UNDP leverages open data

Let's delve into examples of UNDP data-driven initiatives



TERRITORIES

DATA FUTURES EXCHANGE

Data innovation for decision intelligence



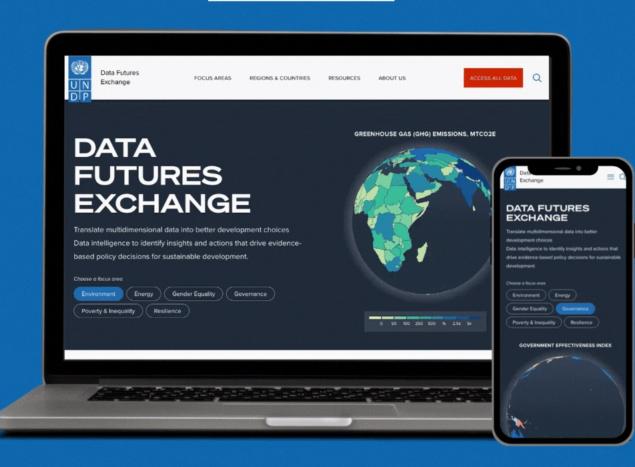
Example 1: Data Exchange **Platform (DFx)**

Unlocking the power of data

UNDP Global Initiative



DATA.UNDP.ORG THE DATA FUTURES EXCHANGE (DFx)



THE DATA FUTURES EXCHANGE 'THE' GO TO FOR DEVELOPMENT DATA IN UNDP

PAGE VIEWS SINCE INCEPTION 250k

INCEPTION

5K INDICATORS

DATA STORIES

80+

COUNTRIES OR REGIONS

INFORM

Helps practitioners understand complex issues using problem diagnostics and the power of data



LEAD

Actionable data-driven insights to analyze potential impacts of different combinations of policy choices before investments are locked in

EMPOWER

The backbone of policy support services in UNDP

59

A WIDE ARRAY OF PRODUCTS AND TOOLS FOR DECISION-MAKING INNOVATIVE TOOLS AT YOUR FINGERTIPS



FOSTER INFORMED DECISION-MAKING

TOPIC PAGES

INTEGRATE FINDINGS INTO PROGRAMMING

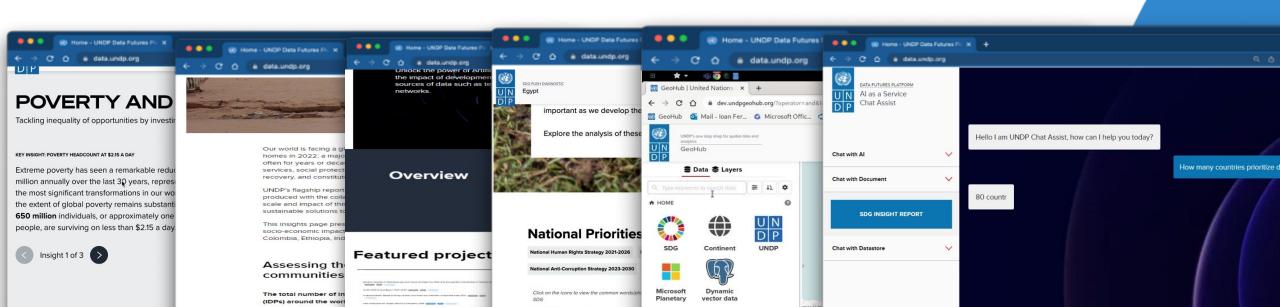
INSIGHTS PAGES

CONNECT KNOWLEDGE AND KNOWHOW SERVICE PAGES

MAP NATIONAL PRIORITIES USING ML SDG PUSH DIAGNOSTIC

PINPOINT ROADBLOCKS AT HYPERLOCAL LEVEL GEOHUB

QUICK ANSWERS TO YOUR DEVELOPMENT QUERIES AI CHAT ASSIST



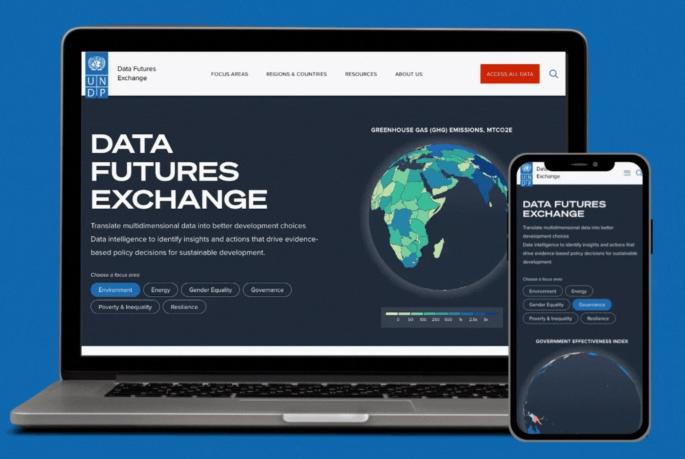
A demo to the DFx



https://data.undp.org/

DATA.UNDP.ORG THE DATA FUTURES EXCHANGE (DFx)



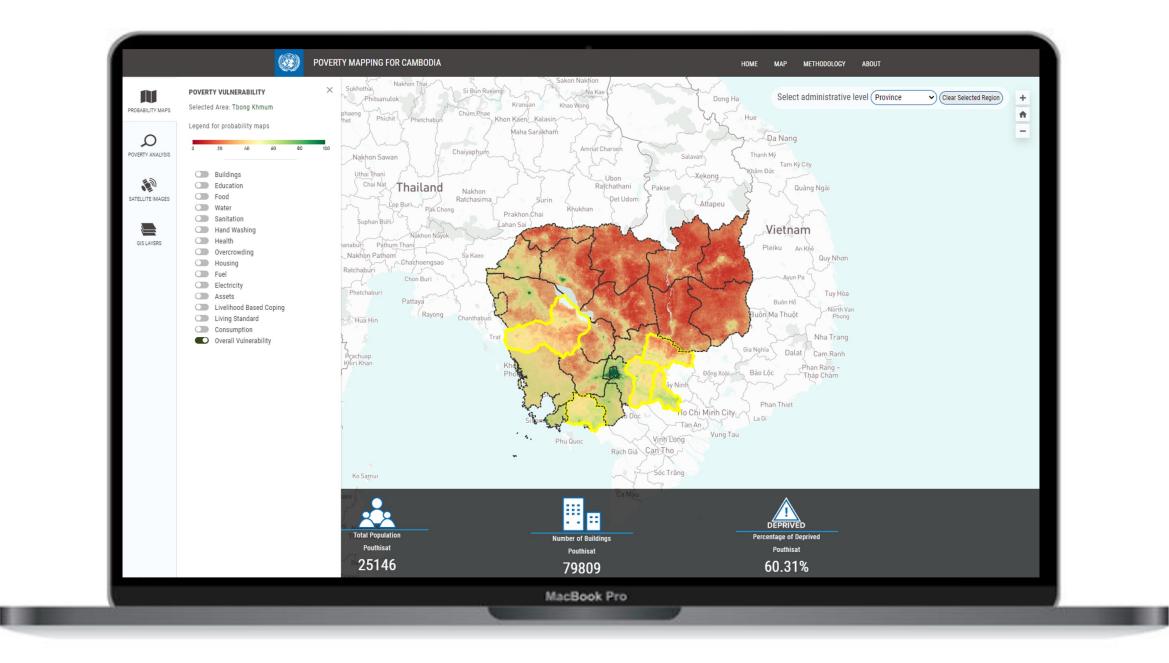


Example 2: Al for Poverty Mapping

Big data and artificial intelligence for mapping vulnerability in Cambodia

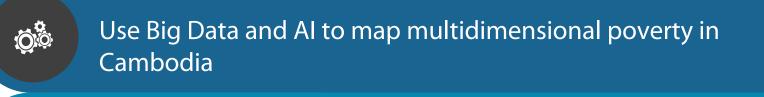
UNDP Cambodia Initiative





Objective

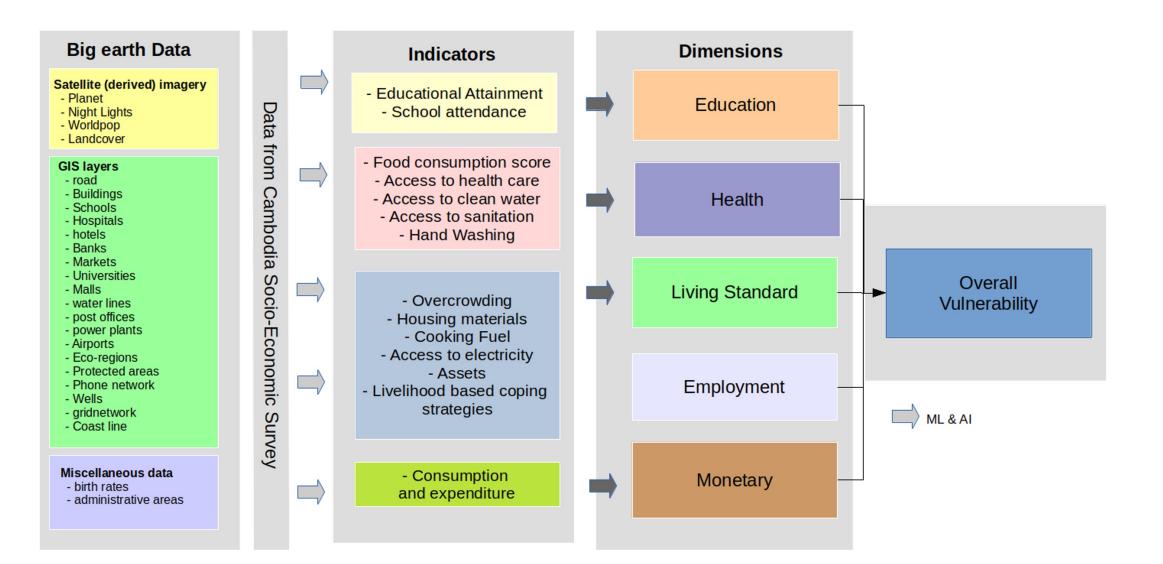




Build capacity on using Big Data and Al for mapping poverty

Developing an intuitive interface to access the data

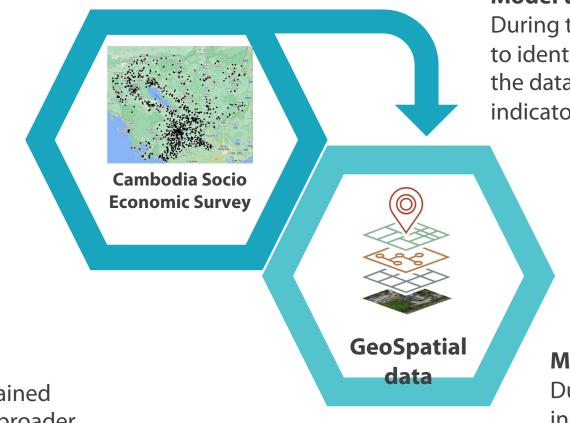
Methods





Methods





Model training

During training the model will learn to identify important features in the data and how they relate to the indicators.

Model inference

During inference or model classification we use the trained model and apply it on the broader dataset.

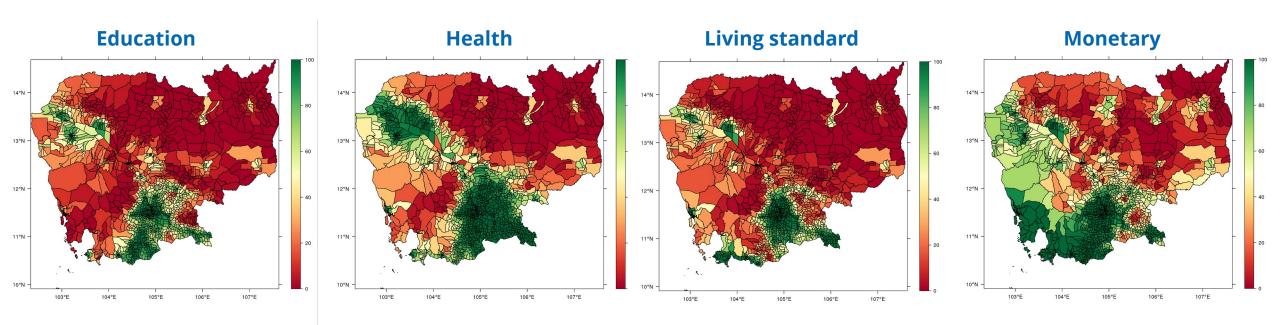
Model validation

During model validation we use an independent dataset to verify the performance of the model.

Highlight of results



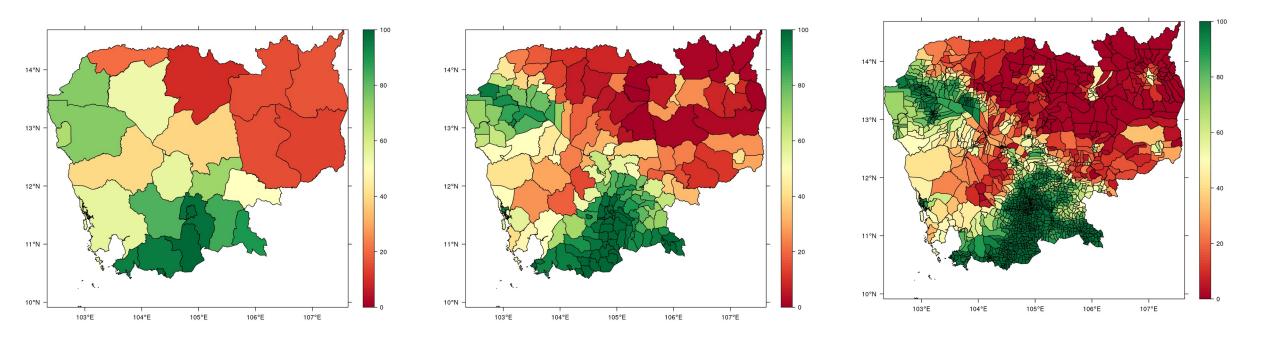
Percentage of deprived households at the township level



Highlight of results

U N D P

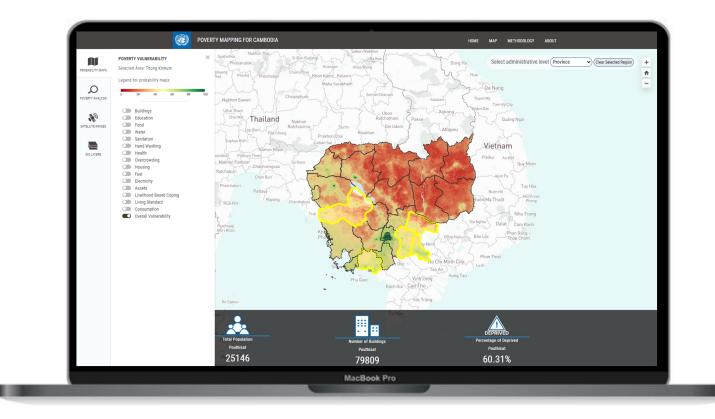
Percentage of vulnerable households at different administrative levels



A demo to Al for Poverty Mapping



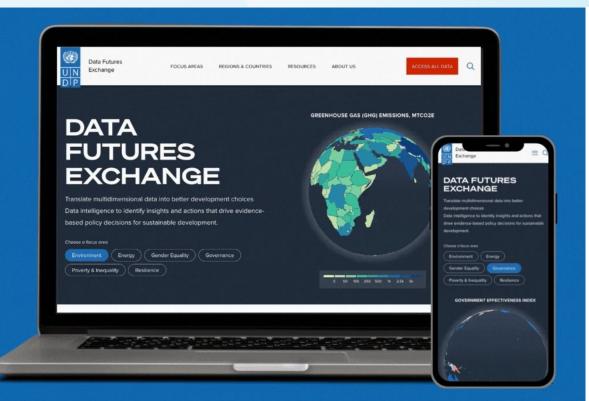
https://cambodiapovertymapping.sig-gis.com/





Conclusion: How data contributes to accelerating SDGs *Based on the showcased initiatives*





DFx provides a space where policymakers and development community can connect, generate intelligence from data, observe examples of how data have led to decision intelligence, be exposed to different training opportunities, and observe innovative approaches and innovation within UNDP.

AI FOR POVERTY MAPPING



Identifying the need for critical services using big earth data, spatial informatics and AI can go a long way in meeting the targets set out in the SDGs.

The tool provides the means to answer pressing questions regarding the root causes of economic vulnerability within communities: what is the extent and severity of poverty within a given area?

