

Regional Training Course on SDG indicator 15-19 October 2018 Daejeon, Republic of Korea



Nyi Nyi THAUNG UNESCO Bangkok

TO SHAPE FUTURE EDUCATION



TECHNOLOGY

Innovations. Change lives.









China

India

Facebook

Illiterates

1.4 billion

1.35 billion

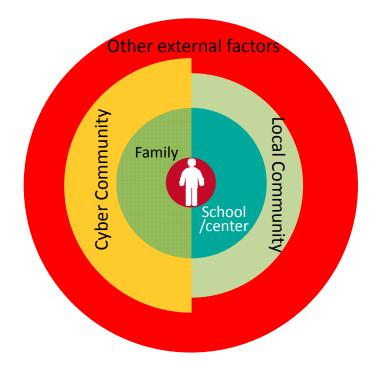
2 billion

750 million



LEARNERS' CENTERED

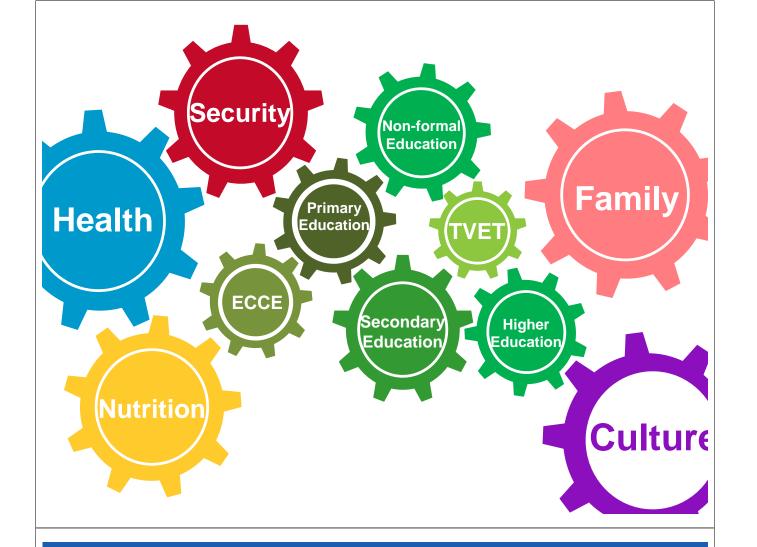
Learners' centered



Can technology enhance learners to better interact with all

2

SECTOR-WIDE APPROACH

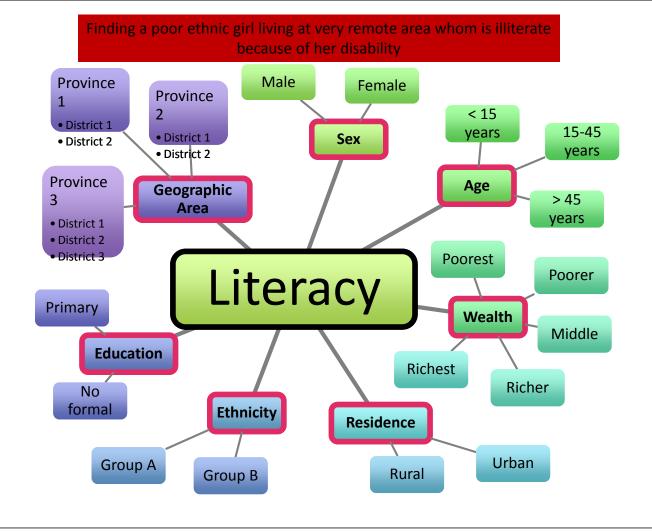


NO ONE LEFT BEHIND

DISAGGREGATION



Insert 11 reaching the unreached group





NATIONAL TO LOCAL

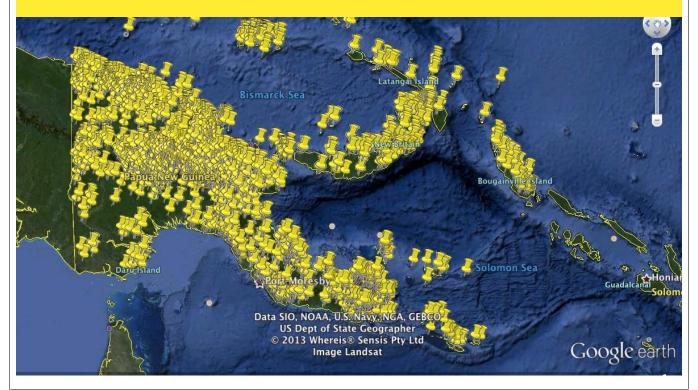
DRILL DOWN

Schools in Papua New Guinea



DRILL DOWN

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DRILL DOWN

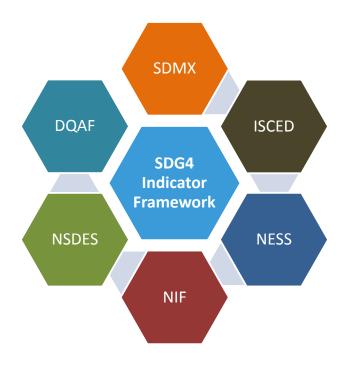
Schools in Papua New Guinea





STANDARDS

Norms and Standards

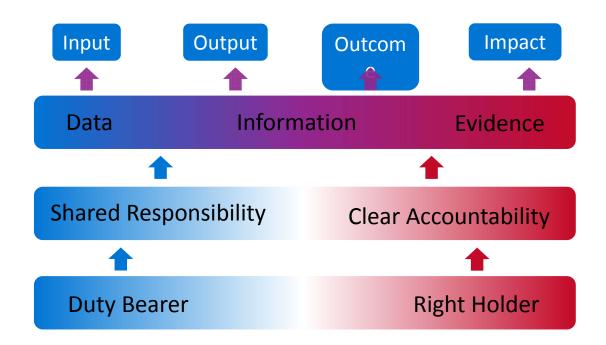


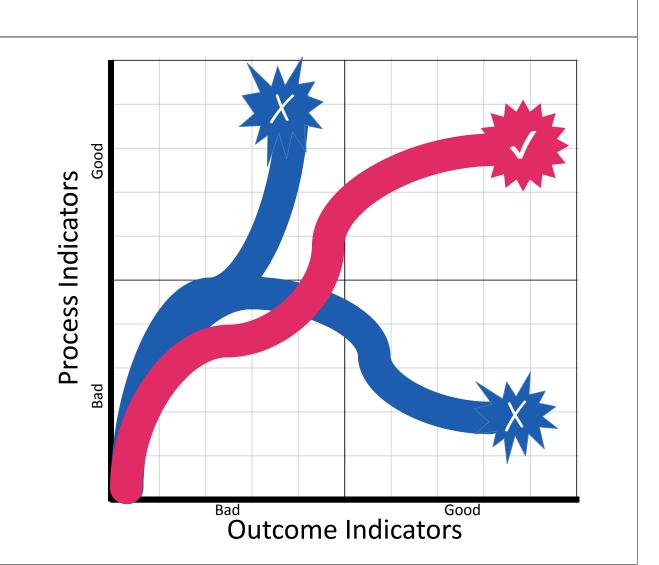


SDMX Data Flows for SDG Indicators

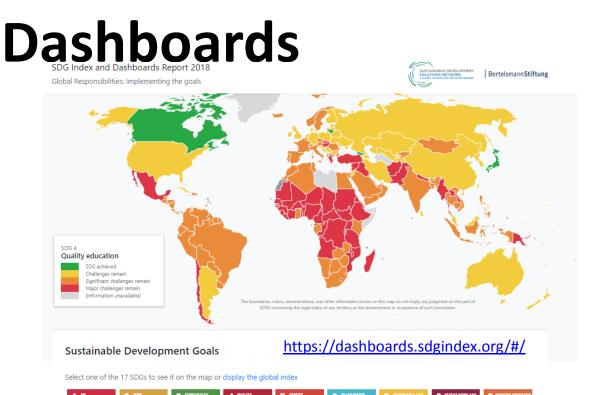
6

HUMAN RIGHTS

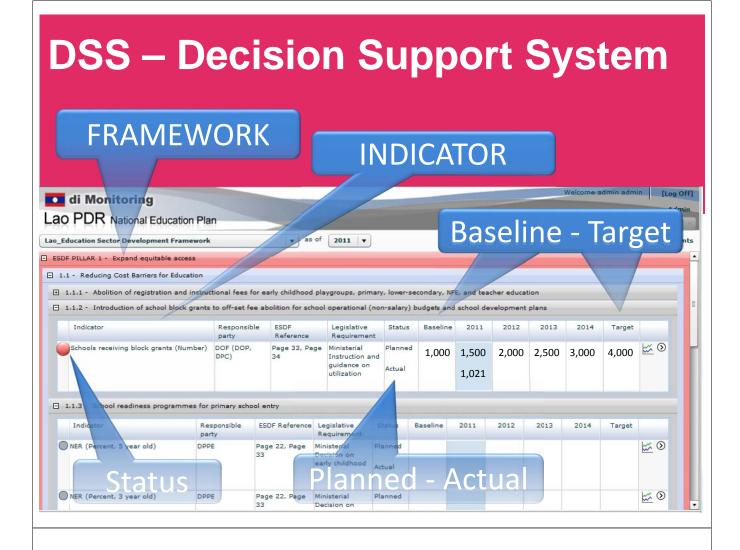


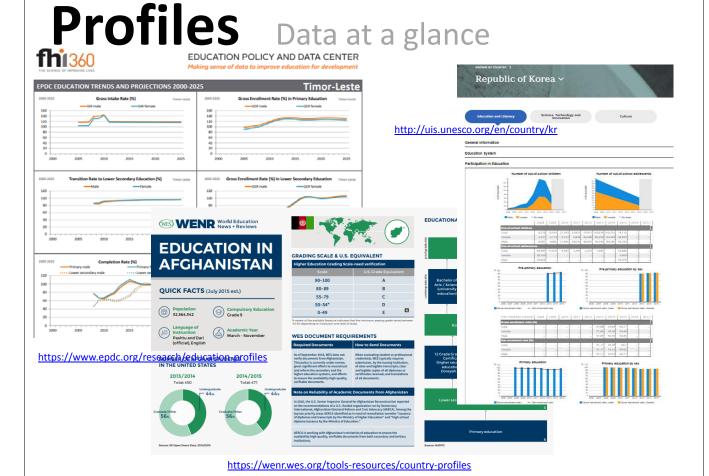


VISULIZATION

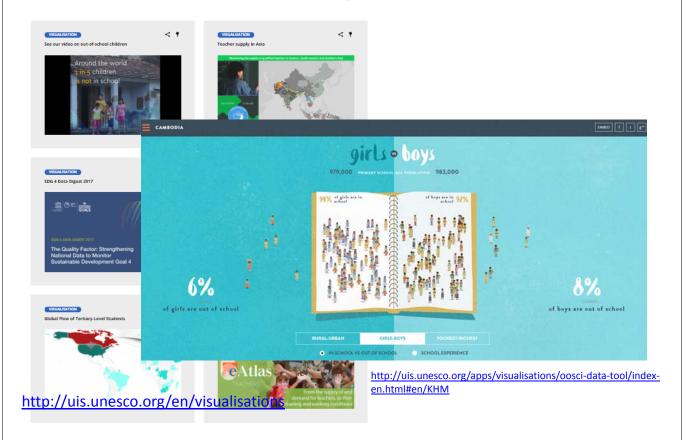


GOALS





Eatlas Data at a glance



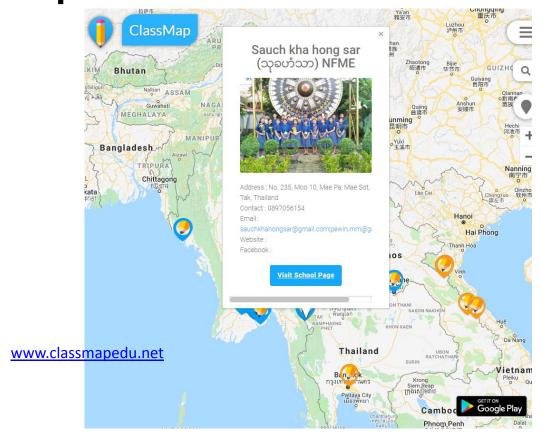


REAL-TIME

Responsive decision for education

| Data Source | Frequency | Coverage | Cost | Quality | Report |
|-----------------------|-----------|-------------|-----------|---------|-----------|
| Population Census | 10 years | Subnational | Very high | High | 1-2 years |
| Household Survey | 3-5 years | National | High | High | 1-2 years |
| Administrative System | On-going | Subnational | Low | Medium | Real-time |
| Online/Mobile Survey | On demand | Varies | Low | Low | Real-time |

Responsive decision for education





BIG DATA

FOUR V

Volume

The quantity of generated and stored data.

Variety

The type and nature of the data. Big data draws from text, images, audio, video; plus it completes missing pieces through data fusion.

Velocity

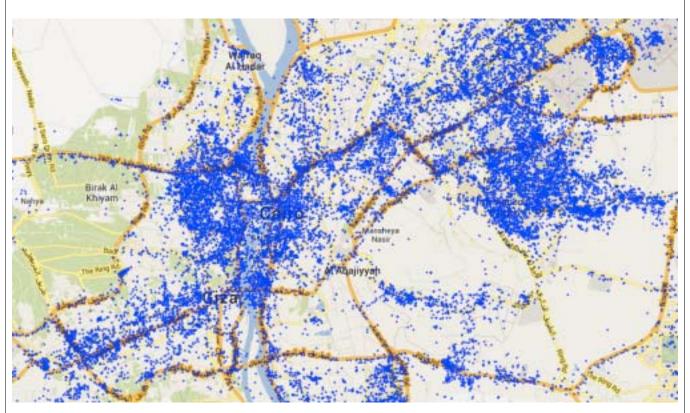
In this context, the speed at which the data is generated and processed to meet the demands. Big data is often available in real-time.

Veracity

The data quality of captured data can vary greatly, affecting the accurate analysis.

Cairo poverty levels

Can Twitter traffic in Egypt tell us anything about changes in unemployment and poverty levels?





Eyes Everywhere

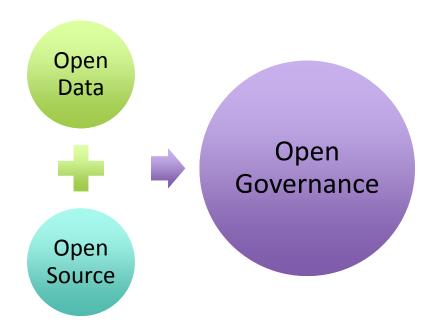
Drone data helped focus emergency response after an earthquake on 25 Apr 2015 in Nepal

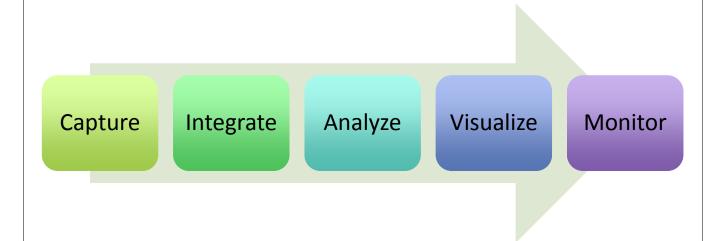


OPEN DATA OPEN SOURCE

Non-Open DATA

- Making data available for a charge.
- Only registered members or customers can have access to data.
- Use of a proprietary or closed technology or encryption
- Copyright and patent forbidding (or obfuscating) re-use of the data.
- Restriction of robots to websites.
- Aggregating factual data into "databases" which may be covered by "database rights" or "database directives" (e.g. Directive on the legal protection of databases).
- Time-limited access to resources.
- "webstacles", or the provision of single data points as opposed to tabular queries or bulk downloads of data sets.
- Political, commercial or legal pressure on the activity of organisations providing Open Data.





SDG Indicator Framework

SDMX Standard for Data and Metadata Exchange

Manage Disaggregated, Subnational Data

Target Vulnerable with Human Rights Approach





Credits:

- Extracts from the input made by Mr Kris Oswalt President CFS Foundation during the session on M&E of Education, UNESCO International Symposium on Education Policies for 2030, UNESCO HQ Paris, 19 January 2016
- Ichiro Miyazawa, Programme Specialist, UNESCO Bangkok
- Han, Lingxin
- Serrano, Amalia Miranda