



# Giga Benchmarking Challenge Overview:

**Title:** Optimise School internet price-performance ratio

**Short Summary:** Optimise School internet access price performance ratio by benchmarking internet access measures (from Giga) with public internet access measures (Ookla) to show the education minister if improvement could be achieved with a new service provider contract.

**Fact:** Schools even when they have internet access, the quality may be lower, and the bandwidth not enough compared to what is really available in the country / area (Fiber or 4/5G versus DSL / 3G) and what they pay for.

**Idea:** Benchmark actual school service performance with what is available for the public / enterprise / Government entities.

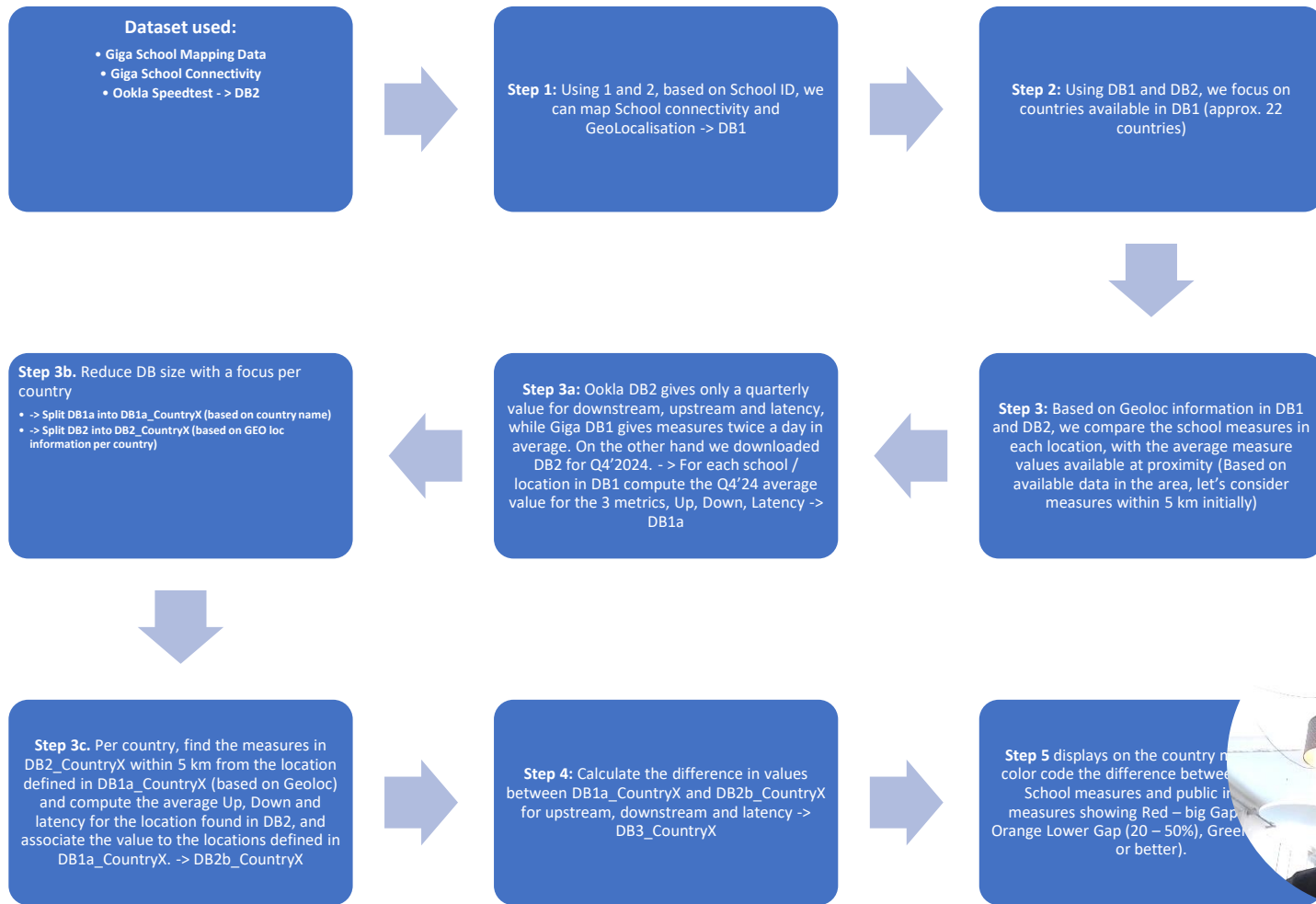
**Objective:** Raise awareness! Trigger a tender to select new providers for given regions / countries – Get a new internet access contract with better price / performance ratio.

**How:** Compare school internet access quality with in country internet access quality (average public or en' available) to compare the Gap between Schools, Hospital and Public Administrations and Enterprise !

**Metrics:** Network download speed, Upload speed and latency



# GigaBench Challenge Methodology:

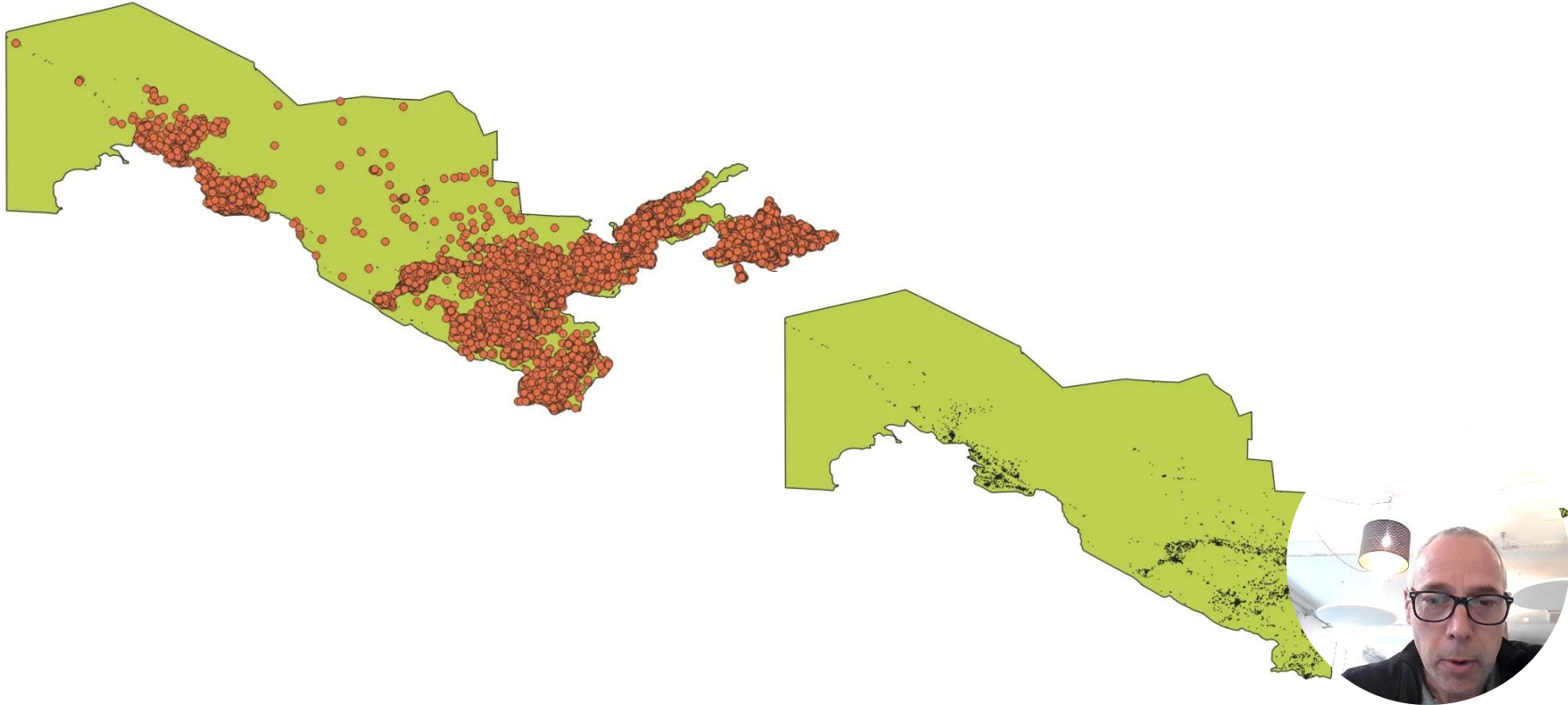


# Dataset Used

- **1.1 Giga School Mapping Data**
  - **Description:** School geolocation and connectivity data, using sources like OpenStreetMap and government datasets.
  - **Use:** Analyze connectivity gaps and prioritize infrastructure investments in education.
  - **Source:** Giga
  - **Documentation Link:** [Giga School Mapping](#)
  - **Data Access Link:** [Data Access](#)
- **\*1.2 Giga School Connectivity Data**
  - **Description:** School connectivity data from Giga's Daily Check App, installed in schools across 21+ countries. Measure
  - **Use:** Analyze connectivity patterns in end-user devices.
  - **Source:** Giga
  - **Documentation Link:** [Giga School Connectivity Data](#)
  - **Data Access Link:** [Data Access](#)
- **3. Ookla Speedtest**
  - **Description:** Global dataset of download and upload speeds, and latency for broadband and networks.
  - **Source:** Ookla
  - **Link:** [Ookla Speedtest Data](#)



# Example Uzbekistan Internet quality measure



# Countries with Measurement data in Giga DB

- Anguilla
- Barbados
- Belize
- Benin
- Bosnia and Herzegovina
- Botswana
- Brazil (added on the 26.01)
- Fiji
- Grenada
- Honduras
- Kazakhstan
- Kenya
- Mongolia
- Namibia
- Rwanda
- Saint Kitts and Nevis
- Saint Lucia
- Saint Vincent and the Grenadines
- Sao Tome and Principe
- Sri Lanka
- Trinidad and Tobago
- Uzbekistan

