

DTU



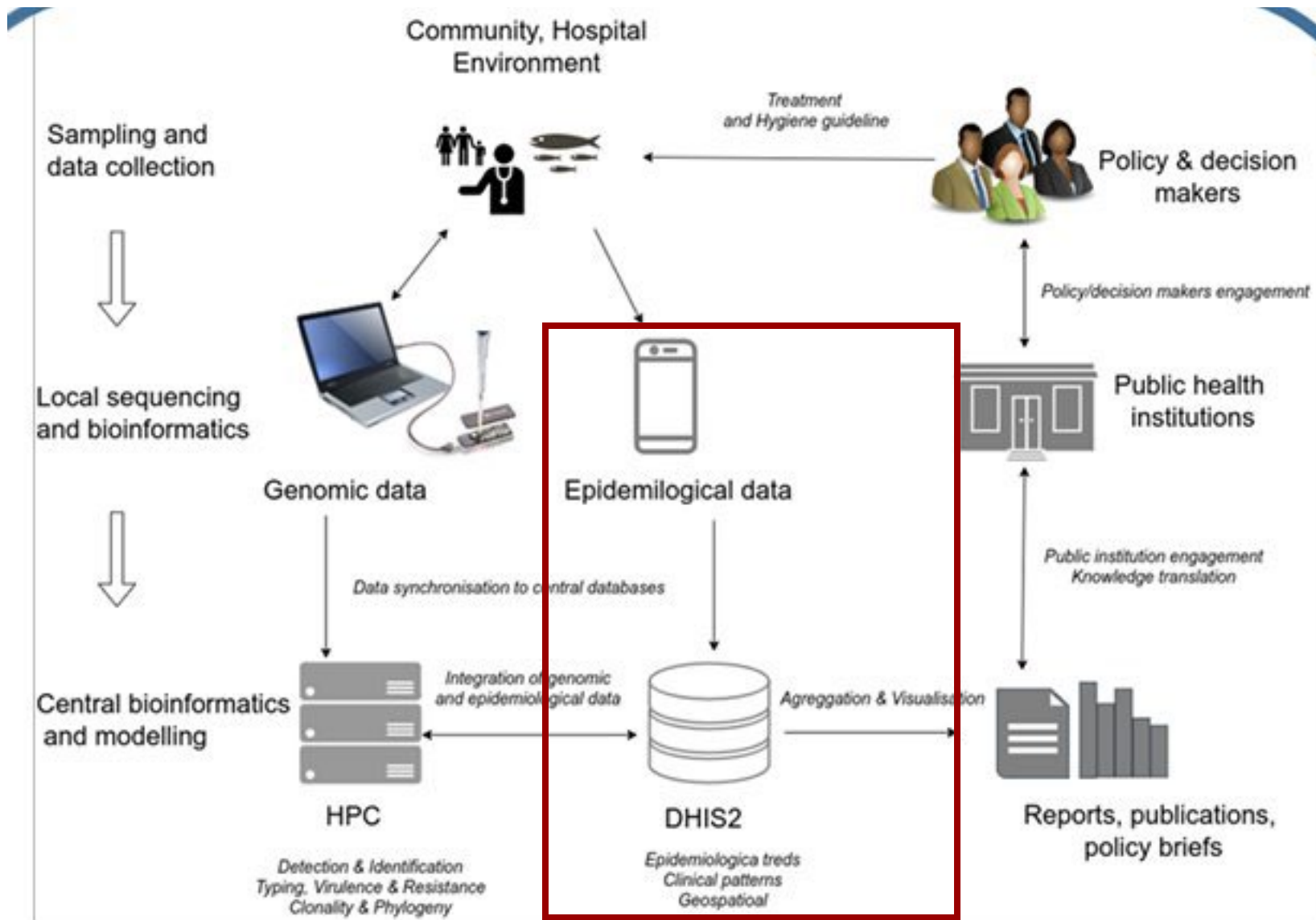
Great-Life Data integration in DHIS2

- Aggregate data visualizations
- Climate and Health Prediction Platform

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What is DHIS2 ?

- A web-based platform offering tools for collection, data validation, analysis, and presentation of data.
- A product of the HISP Centre at the University of Oslo, also known as HIPS UiO.
- Being used as a national health platform. Now available in more than 100 countries globally. world's largest health management information system (HMIS) platform
- Enhances decision-making, and coordination at all levels.
- **Creating visualizations such as charts, tables and maps, custom dashboards**
- Open-source model and highly customizable to serve different needs



Features



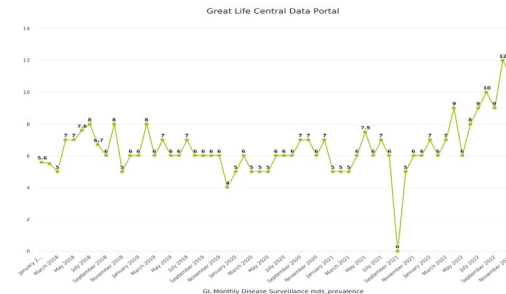
1. Data Capture Custom programs (GreatLife)

- Monthly Diarrhoea Disease program
- Mpox aggregation data program
- Bulk importation i.e. CSV

2. Validation Rules, Outliers, Simple Combined analyses



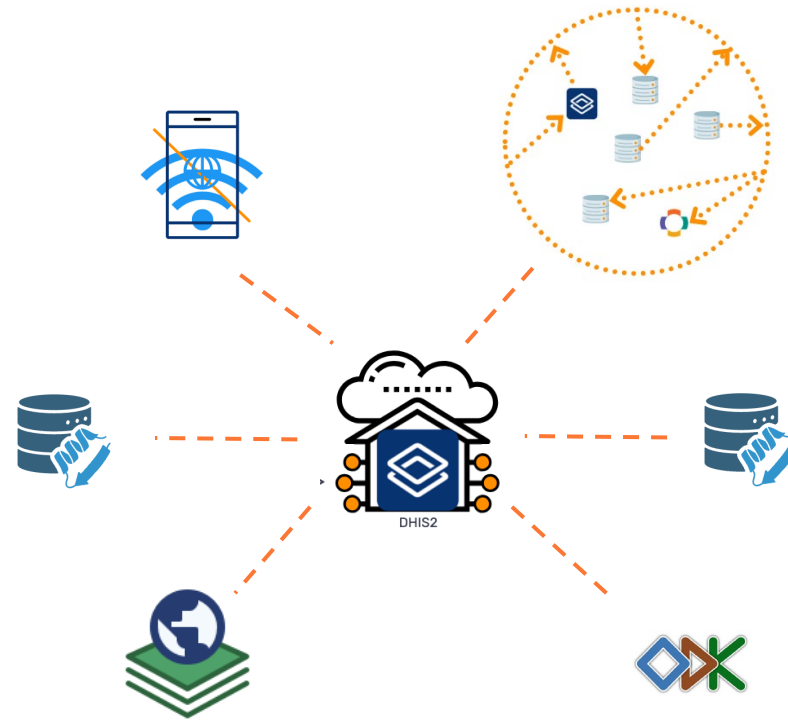
3. Visualizations: Custom Dashboards, Maps, Graphs



Created by Patrick Kimu,
KCRI Tanzania

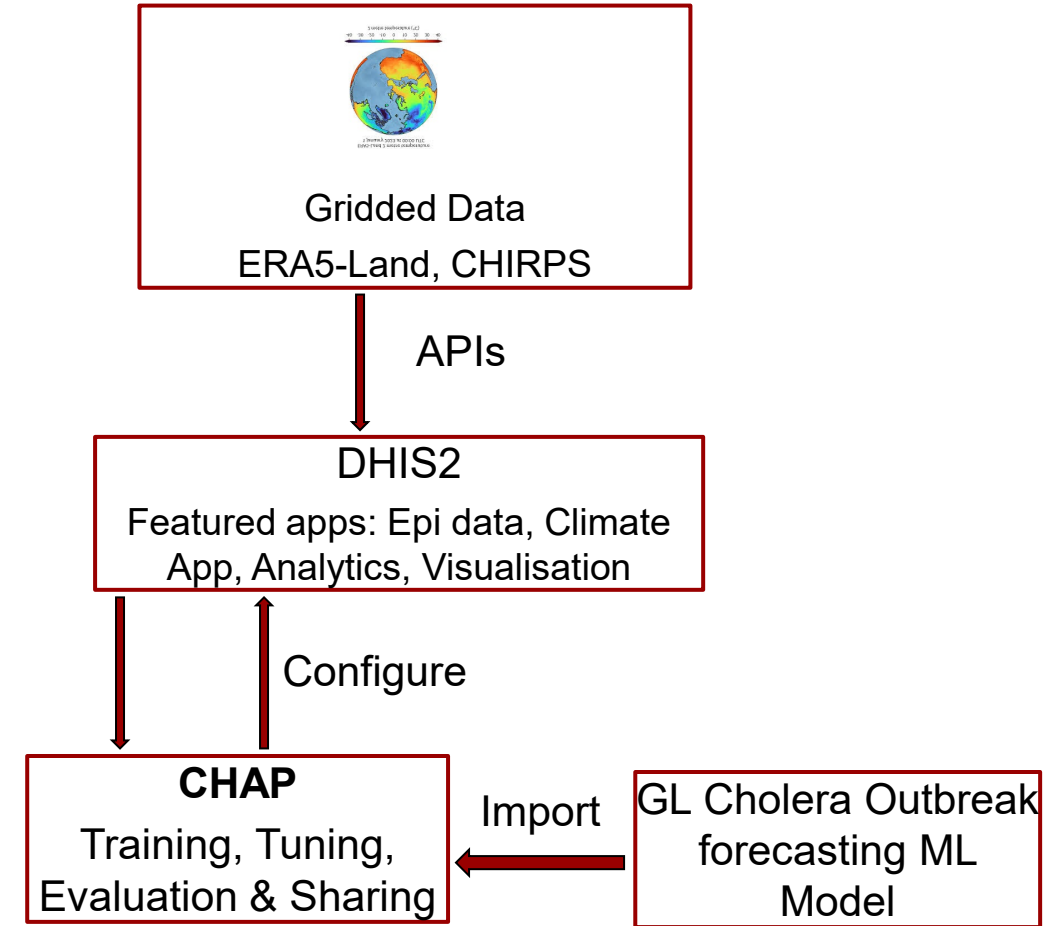
Customization

- **Offline module:** (Data capturing, visualizations)
- **GreatLife Instance:** Own an instance
- **Integration** with other systems: ODK, ArcGIS, **CHAP**
- **Other data:** Genomics, Transport, trade, Climate



Climate Modelling – CHAP

- CHAP - Climate Health Analytics Platform
- Harmonised Climate & Health Data
- Cholera predictive analytics – outbreak modelling
- Sharing of models for predicting climate-sensitive disease incidence
- Fosters collaboration, local adaptation
- Data sources;, DHIS2 Epi data, World pop
- Climate-sensitive diseases are increasing in frequency and severity, but countries lack forecasting tools



Benefits

- Fostering collaboration & Operational local uptake
- Local ownership, localized adaptation and context
- Real time global climate data via Google earth Engine

Challenges

- Data Sharing issues
- Strong governance
- Different data formats, quality
- Imprecision with global datasets



Thank You