

GHFD Initiative

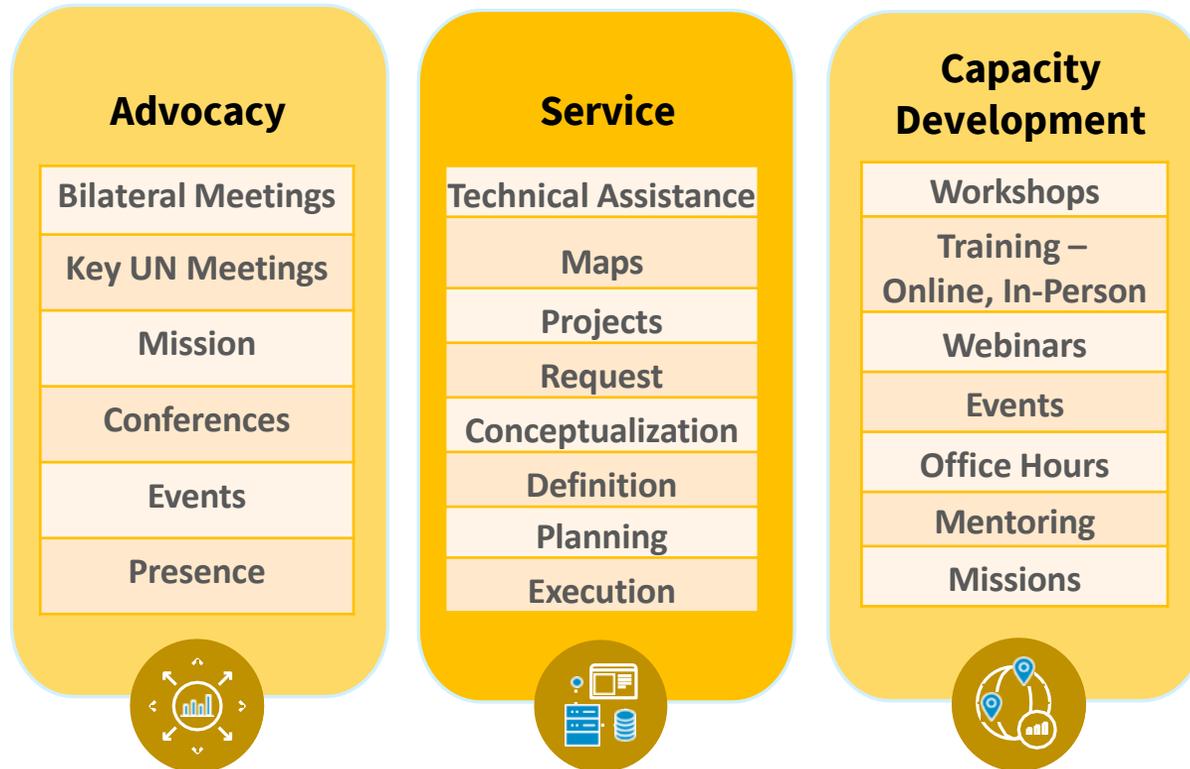
Leveraging the IGF Framework for
Geo-Enabled Health Information
Systems

Ravi Shankar

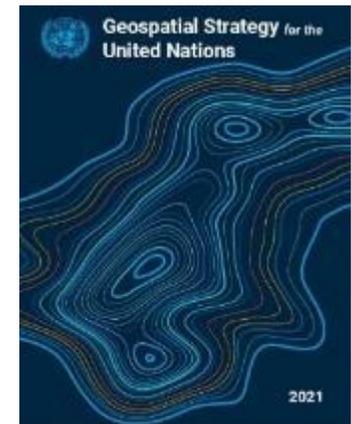
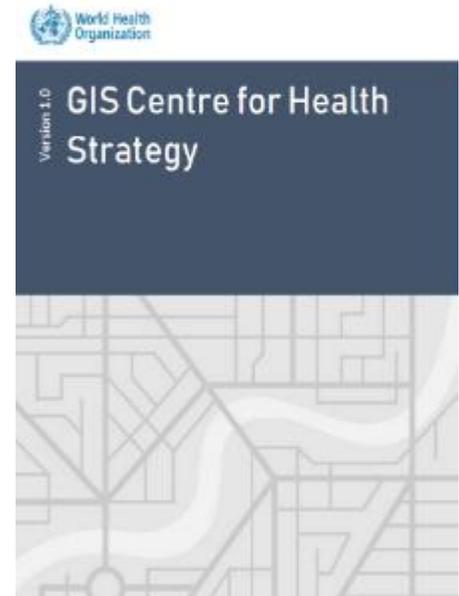
Head, WHO GIS Centre for Health
Vice Chair, UNGGIM UN global network



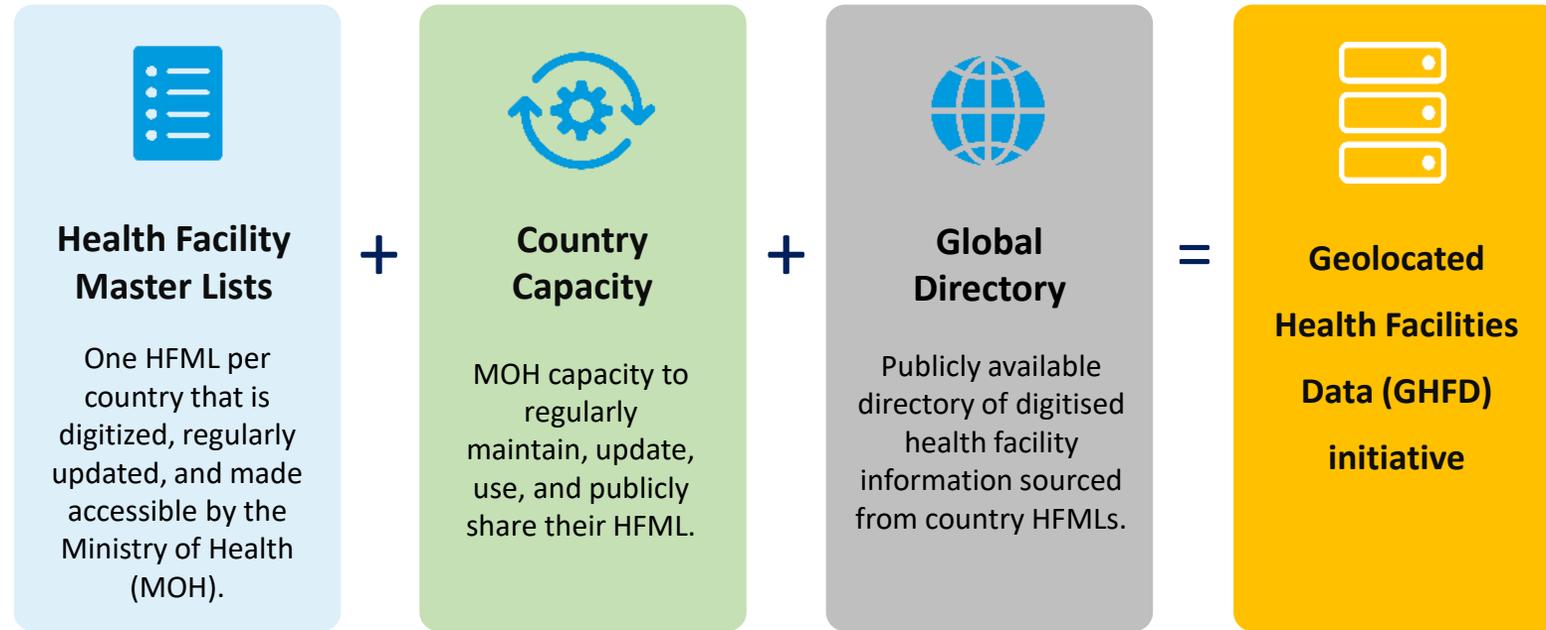
What is the WHO GIS Centre for Health?



*With a **vision** of connecting maps, apps, data, and people, the WHO GIS Centre for Health is dedicated to supporting countries in making informed public health decisions faster.*



Geolocated Health Facility Data Initiative



Partners:



Learn more about access to healthcare...

Layers Analysis

Target Population

- All
- Maternity
- Children

Travel Mode

- Walk
- Bike
- Ride
- Walk / Ride

Hospitals

Use Hospitals (42 + 3) + Add

Excluded Hospitals

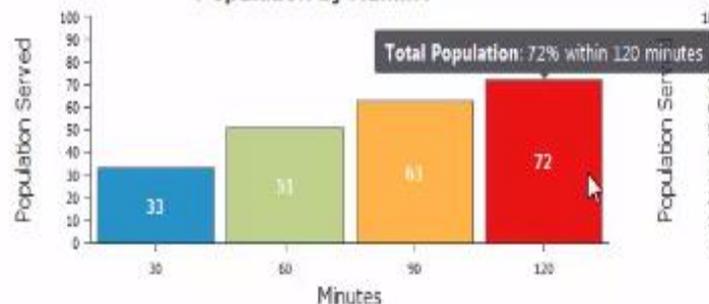
Health Centers

Use Health Centers N/A + Add

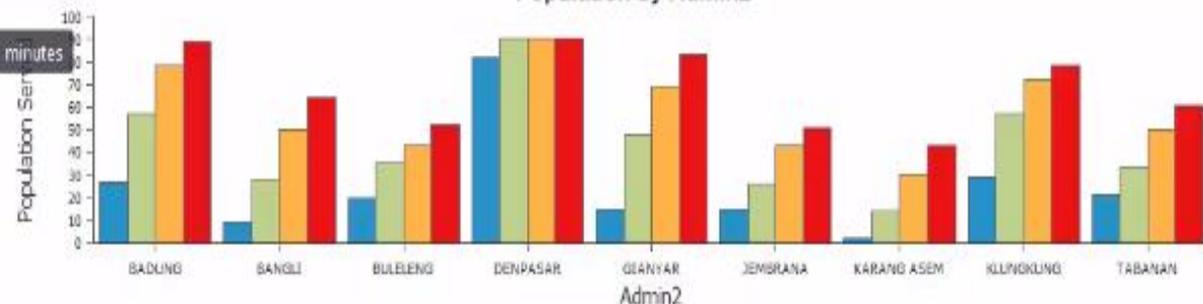
Excluded Health Centers

Calculate Access to Health Care

Population by Admin1



Population by Admin2



Population by Admin3

Name	30	60	90	120
ADANG			13	29
ARIANSEMAL	1	29	70	88
BANGLI	30	51	76	88
BANJAR	8	40	52	61
BANJARANGKAN	13	55	82	92
BEBANDEM	1	23	66	86
BLAHBATHUH	12	75	94	96
BULELENG	71	85	90	90
BUSUNGBIU			0	21
DAWAN	4	39	74	89
DENPASAR BARAT	85	90		
DENPASAR SELATAN	75	88	88	89
DENPASAR TIMUR	85	90	90	
DENPASAR UTARA	85	92	92	
GEROKGAK	0	0	0	14
GIANYAR	42	83	96	98
JEMBRANA	30	59	80	85
KARANGASEM	10	43	70	82
KEDIRI	27	47	79	94
KERAMBITAN	14	37	66	78

Support for HFMLs

The GHFD initiative works with MOHs:

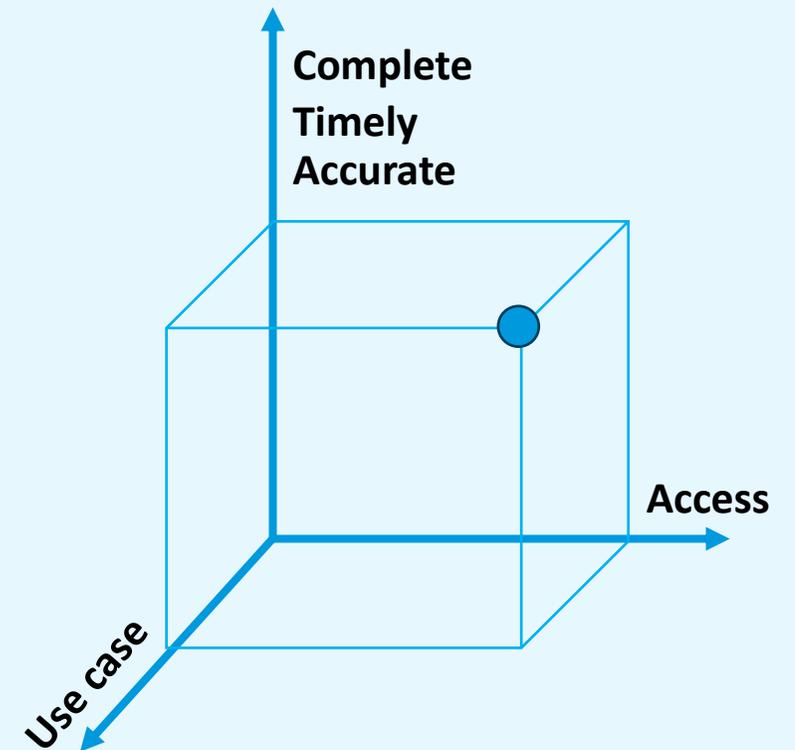
Manage elements:

- 1 Unique ID
- 2 Name
- 3 Type
- 4 Location

Share:

- 1 Ministry Website
- 2 Global Database

NOTE: Each HFML will have health facility definition, classification table, and metadata.



GHFD Initiative Strategic Framework

STRATEGIC OBJECTIVES

National Level

MOHs empowered to establish, maintain, openly share and use the HFML

Regional Level

Technical assistance available for countries to establish, maintain, share and use HFMLs

Global Level

Supporting environment in place to establish, sustain and share countries' HFMLs through the GHFD

STRATEGIC PATHWAYS

Seven strategic pathways act as enablers to support the implementation and sustainability of the project at the country level.

Governance & Policies

Partnerships & Collaboration

Advocacy & Communication

Interoperability & Data Management

Capacity

Financial Sustainability

Innovation & Technology

GUIDING PRINCIPLES

Quality

Openness

Empowerment

Cost Effectiveness & Sustainability

GHFD Coordination Structure



AFRO Highlights

Successful engagement with the WHO regional office and country offices in 27 out of 28 countries



19 countries

With expression of interest, Preliminary report, Workplanning tool, CSA+Workplan



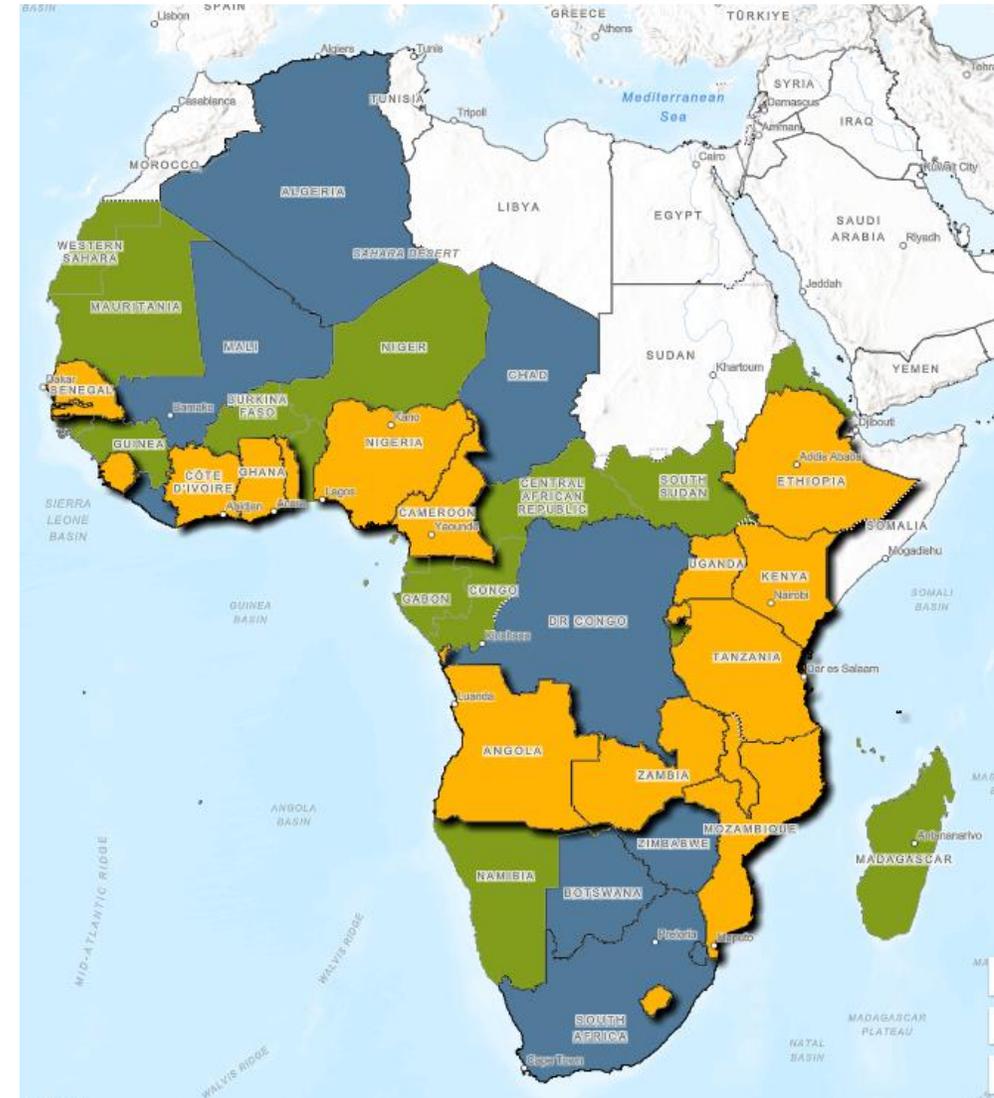
9 countries

Have expression of interest, with a preliminary report

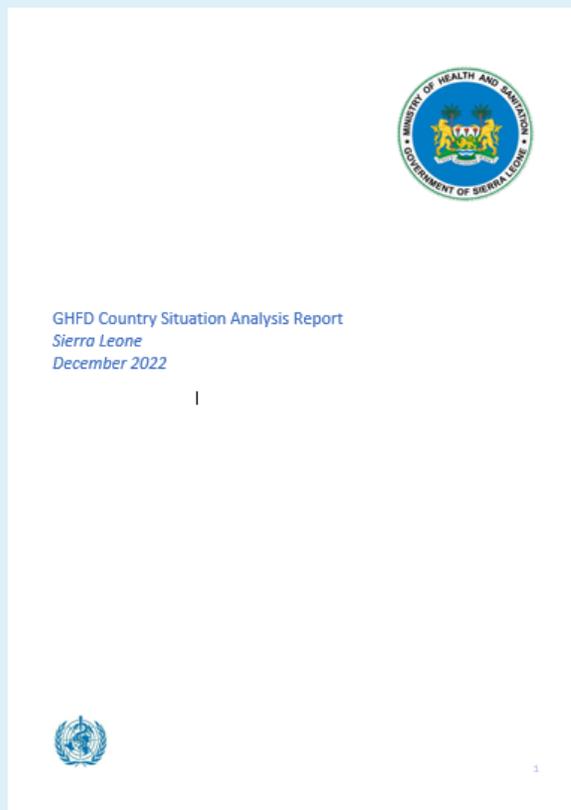


23 countries

Pending engagement by implementing partners



Identified Key Areas of Support for Sierra Leone



Governance and Policies

- Support the MoHS in developing an official SOP document and in enforcing the creation of relevant policies and guidelines

Partnerships and Collaboration

- Partners will have to continuously engage the MoHS on the advantages of public access of the HFML.
- Improve coordination of key stakeholders

Data Management and Interoperability

- Provide support around building a robust health facilities database that can accommodate a wider range of attributes

Innovation and Technology

- Addressing the lack of a functioning GIS setup, including software and hardware
- Improve and increase data-related accessories and equipment for data collection, management, and storing.

Capacity

- Identify possible areas of external support The MoHS is also stretched and understaffed, particularly in ICT. The WHO CO could partner with its IT department to provide external support and assistance.
- Training and support to hire an experienced, permanent GIS professional or department to coordinate all GIS related issues within the MFL's management.

Advocacy and Communication

- Raise awareness of importance of the timely sharing of information across all levels and technical expertise
- Simple, easy-to-access communication materials may also need to be produced.

Financial Sustainability

- Support subcontracting a consultant to assist or seek assistance from WHO through the GHFD initiative for writing proposals.
- Dedicated GIS resource in the MoH to maintain the datasets.



SIERRA LEONE

WHO Region:

AFRO

Population:

8.4mil

Health facilities:

15,580

Health facility master list publicly available::

Pending

Estimated initial investment for the GHFD initiative:

USD \$ 43,925

Country Situation Analysis Completed:

Yes

No

CSA Endorsed by Country MoH:

Yes

No



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Openness

Empowerment

Cost Effectiveness & Sustainability

Financial Sustainability Objectives

Financial Sustainability Strategic Objectives

Identify the financial needs required to sustainably establish and maintain country HFMLs and the GHFD initiative

Empower countries to access support to establish and maintain a HFML

Support all GHFD initiative strategic pathways



Inputs

SWG's time & expertise

Feedback from MOHs & WHO regional offices

Collaboration with the Geo Enablement for Health & Development Investors Forum



Financial Sustainability Activities

Map the landscape of donors

Assign Phase 1 countries to tiers

Determine a GHFD initiative cost estimate

Identify materials to support Ministries of Health to access and secure funding (e.g., country toolkit)

Develop templates for a business model and business case



Financial Sustainability Outputs

Business Model

Business Case

Guide and template(s) for applying for funding developed for countries (e.g., country toolkit)

Sponsor(s) for GHFD initiative secured



Financial Sustainability Outcomes

HFMLs and GHFD initiative elevated as a priority among donors

Countries aware of and able to access funding opportunities

GHFD initiative is sustainably resourced



Project Outcomes Supported

Ministries of Health have up-to-date HFMLs.

Stakeholders, including 194 countries, are aware of the benefits of a HFML and the GHFD initiative.

The GHFD initiative is established, sustainably funded & regularly updated.



Project Impact

Strong health systems that efficiently, effectively & equitably provide health services & respond to emergencies.

Assumptions

GHFD initiative will routinely be connected to the Geo Enablement for Health & Development Investors Forum

This pathway is directly and consistently connected to the Advocacy & Communications Strategic Pathway through the country toolkit

GHFD Financial Sustainability Stakeholder List

Overview



Tier 3

Donors that have a track record of funding data-related projects, or health-related projects, but have no prior relationship to WHO

Tier 2

Donors with a record of contributing to global health efforts that have an existing relationship with WHO

Tier 1

Donors with a demonstrated interest in health data that have an existing relationship to WHO and the GHFD

Country Toolkit

The majority of assets developed under this plan will be delivered via a tailorable country toolkit, a key resource to be developed by the GHFD Advocacy and Communications Strategic Pathway. It will include:

Business Model Template

Provides a template and guidance for completing a business model to set the direction for sustaining a HFML and connect this work to national strategic and policy objectives.

Financial Sustainability FAQs

Answer commonly asked questions about the GHFD initiative's approach to financial sustainability. Potential to tailor by audience (e.g., FAQs for donors, FAQs for Ministries).

Financial Sustainability Talking Points

Provide common language for all GHFD initiative members and MOHs to talk about financial sustainability in an aligned way. Potential to tailor this resource by region.

Guidance for Funding Applications

Provide common language for MOHs to use when applying for funding to support HFML development and related GIS capacity. A list of interested funders and their funding windows will also be included.

Fact Sheet Template

Serves as a tailorable resource for MOHs to communicate the importance and benefits of an HFML for their specific support needs. Can be used as a leave-behind at fundraising meetings.

Business Case(s) Template

Provide a value proposition for why a geolocated and validated HFML is important and connect it to outcomes/impact of interest to MOHs and donors. A template will be provided as well for an MOH to create their own.

Identifying your health facilities begins with the Geolocated Health Facilities Data initiative.

Together, let's transform the capacity and effectiveness of Ministries of Health by turning a global gap into a global public good.

For more information, visit <https://www.who.int/data/GIS/GHFD>
or email ghfd@who.int