

eHealth Academy: Digitalization
and health insurance, an interesting
match...



11/12/2020



Agenda

- A quick word about BlueSquare
- BlueSquare's role in the openMIS project
- Integrating OpenMIS and PBF information systems : a possible way forward in multiple countries





About BlueSquare

Our **solutions** apply in these areas

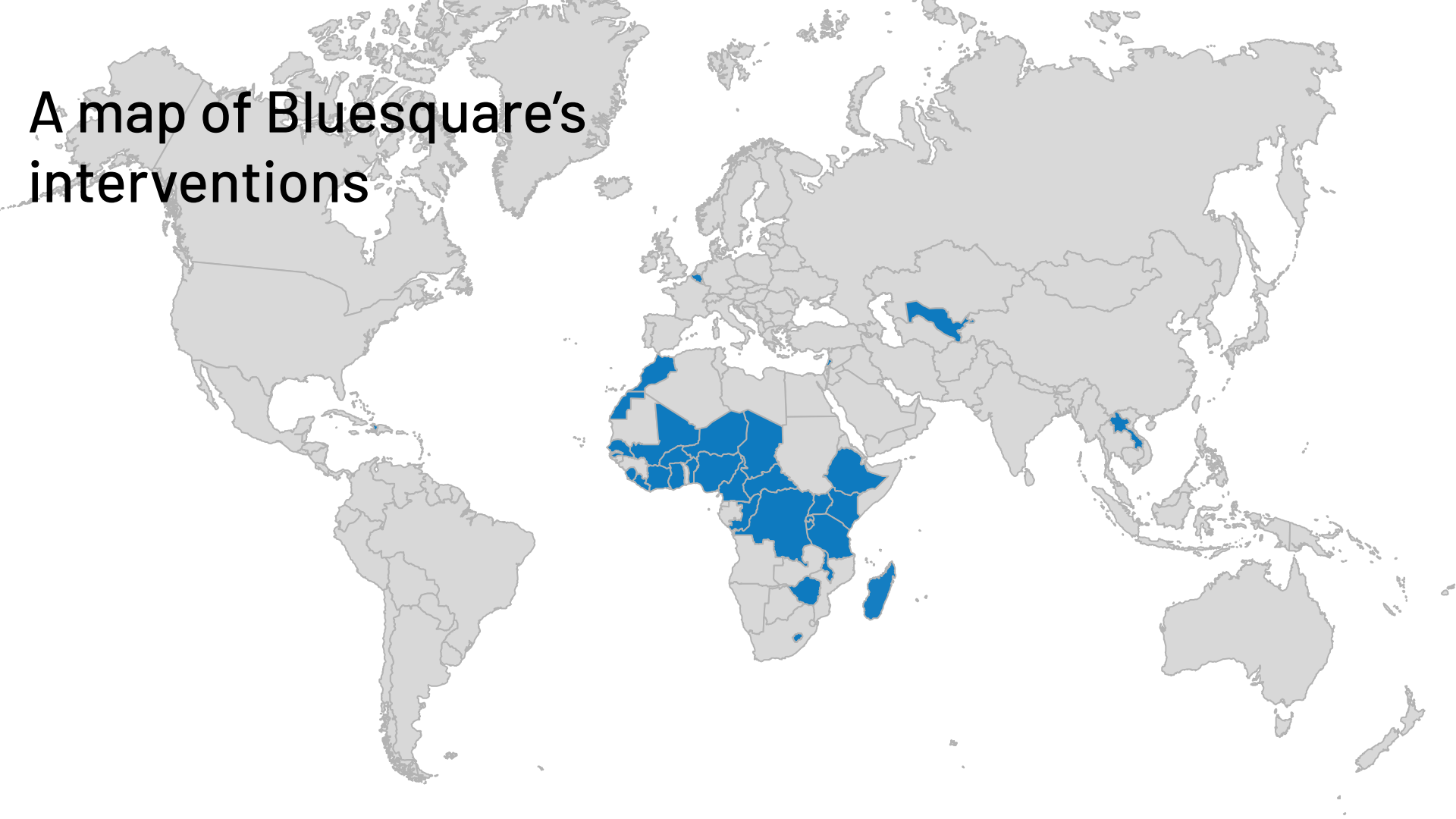
- Health Financing
- Monitoring & Evaluation
- Supply Chain
- Campaign data management and micro-planning
- Geospatial data management
- Data analysis and science

By use of various **expertises**

- Data collection
- Data system integration
- Data visualisation
- Data science
- Data modeling
- Capacity building



A map of Bluesquare's
interventions



Our clients

25+ Health Ministries, i.e. Ministries of Health in multiple countries, including Belgium, Senegal, Benin, DRC, Republic of Congo, Kyrgyzstan, Burundi, Haiti, Ivory Coast, Laos, Liberia, Burkina-Faso, Nigeria, Zimbabwe and Morocco.

NGOs and Funds, i.e. World Bank, University of Oslo, UNICEF , Cordaid, Memisa, KfW, GIZ, SheDecides, Abt Associates, DANIDA, Enabel , Crown Agents, Oxford Policy Management, AEDES, HERA, Médecins du Monde, IPPF, Caritas, Leprosis Foundation and Plan International.



A photograph of three people walking away on a dirt path in a tropical setting. The person in the foreground is a woman wearing a blue shirt and a patterned skirt, carrying a large bundle of sticks on her head. Behind her, another person is partially visible, also carrying a bundle of sticks. To the right, a man in a white shirt and dark pants is walking away, also carrying a bundle of sticks on his head. The path is surrounded by lush greenery and palm trees. The image has a dark blue overlay.

Bluesquare and openMIS



IMIS for Tanzania CHF
by SwissTPH,
Exact Software,
MicroInsurance Academie

2012

IMIS
Customization
for Nepal

2014

openIMIS
Master Version
(TZ+CM+NP)

2017

Modular
Architecture
Transformation
& Community
Building

2019

IMIS
Customization
for Cameroon

2013

openIMIS
Initiative
(SDC & GDC)

2016

openIMIS
Community
Pilots in DRC, Chad
Various country
assessments among
them Cameroon,
Rwanda

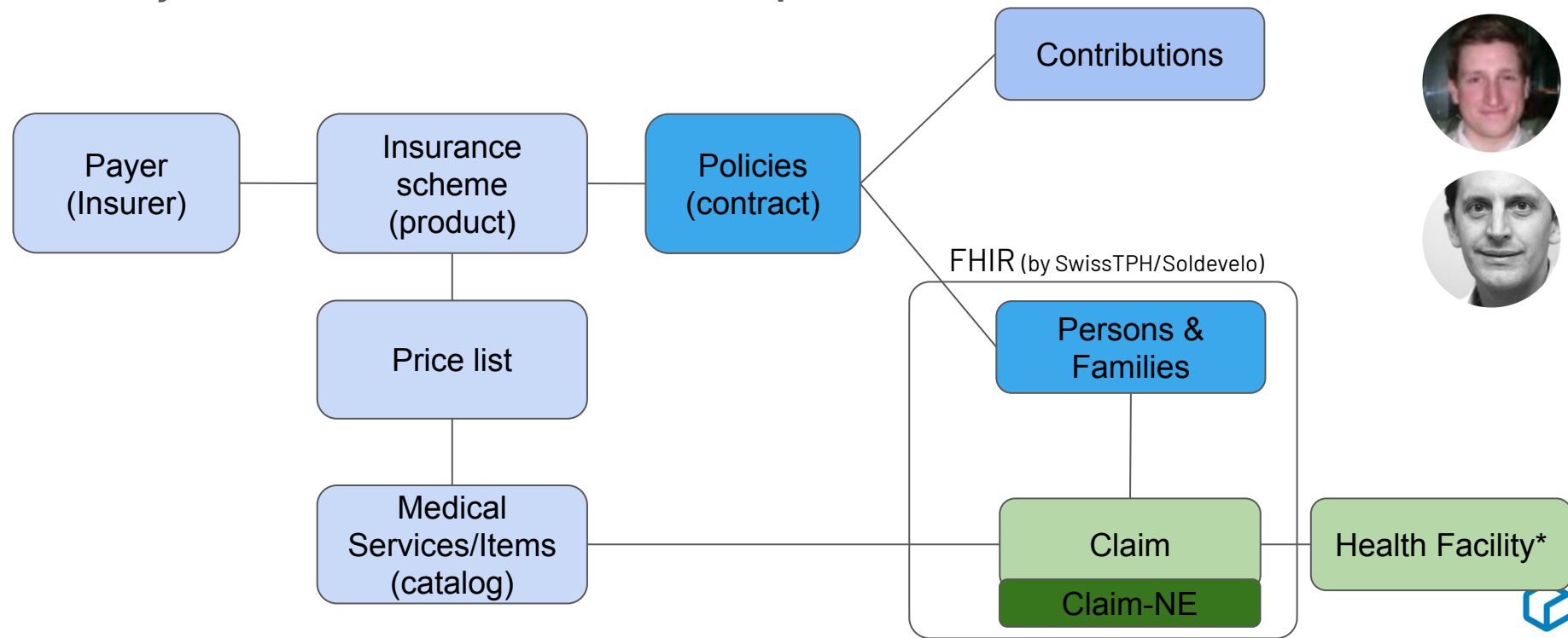
2018

Continuous
development &
community
Building

2020

BlueSquare work on the “new OpenMIS”

- 2018 : setting up the modular platform
- 2019 : Claim, health facility modules (Bluesquare)
- 2020 : Insuree, Policy, Contributions (Bluesquare), Claim '+' (by Nepali team),
- 2021 : Payer, Price list, medical services (Bluesquare), Formal sector (SwissTPH)

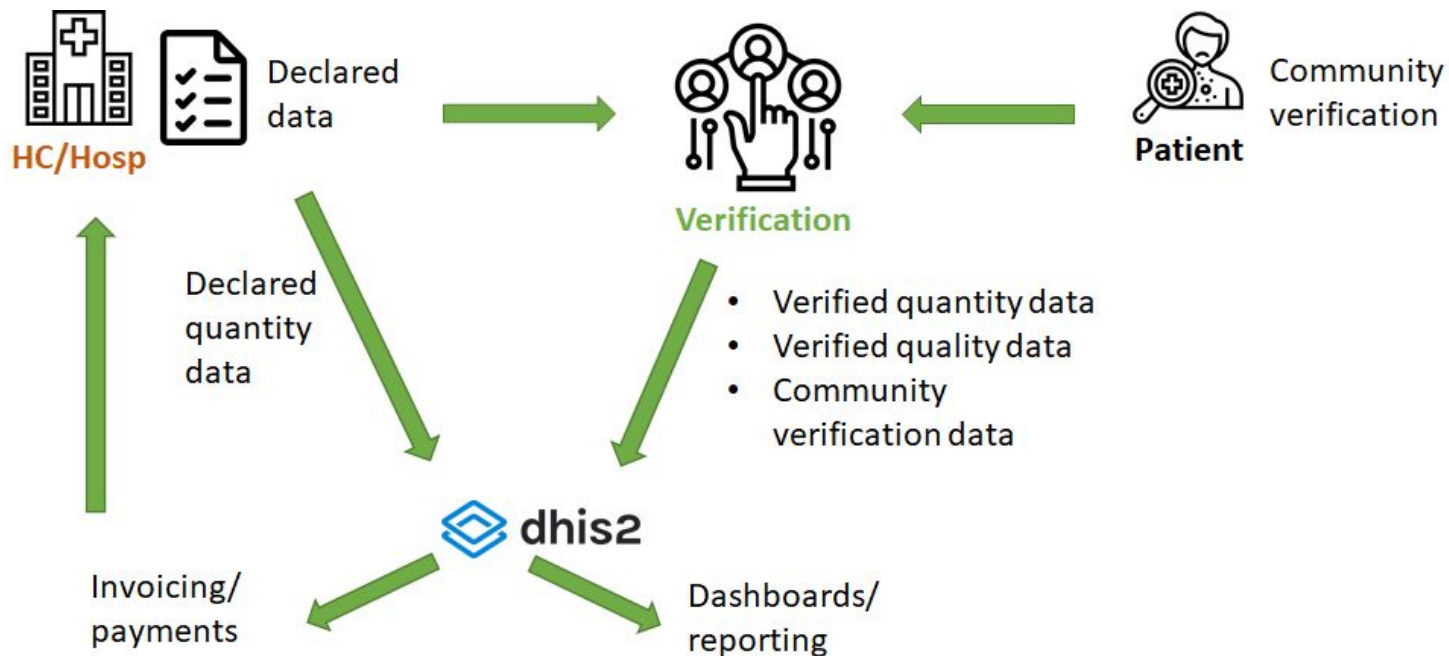


The background of the slide is a photograph of a dirt path in a rural, tropical setting. Several people are walking away from the camera down the path, each carrying a large, heavy load of sticks or branches balanced on their heads. The path is flanked by dense green vegetation and palm trees. The overall lighting is somewhat dim, suggesting an overcast day or a shaded area.

openMIS/PBF integration :

Supporting the shift from
purchasing of aggregated data
to individual data

Up to now: + 40 low and middle income countries have adopted Result Based Financing as health services purchasing instruments.



Bluesquare OpenRBF and DHIS2 centric information systems : similar business process as health insurance.

Bluesquare's DHIS2 suite for PBF programs

Health Facility management DHIS2	Policies and rules Hesabu app	Benefit package & Contract management PBF app	Claim management Invoice app
Data visualisation & BI DHIS2	System integration DHIS2 API	Fraud detection Hesabu app	Mobile data collection DHIS2 app and Iaso

Example: Result Based Financing in DRC

- 11 provinces
- 147 health zones
- Around 3,400 health facilities
- 220 million dollars (2015-2019) channeled directly to facilities

Some difference between a RBF information system and a health insurance information system:

	RBF	Health Insurance
Purchasing	aggregated data	Patient level data
Policies	Based on facilities	Based on patients
Data management workload for health-care providers	Limited	Intensive
Verification process	Verification based on in facility audits	verification based on claims audits

Integrating PBF platforms and OpenMIS: an opportunity to integrate health financing systems and increase the performance of purchasing

The roadmap of Cameroun.

Cameroun has 4 different output based health financing instruments:

- PBF - National program active in all provinces.
- Free HIV services Fund
- Maternal health Voucher scheme
- Free health services for refugees Fund (also managed by the PBF unit of the Ministry of health)

The vision

An integrated PBF / OpenMIS data platform managed by the government

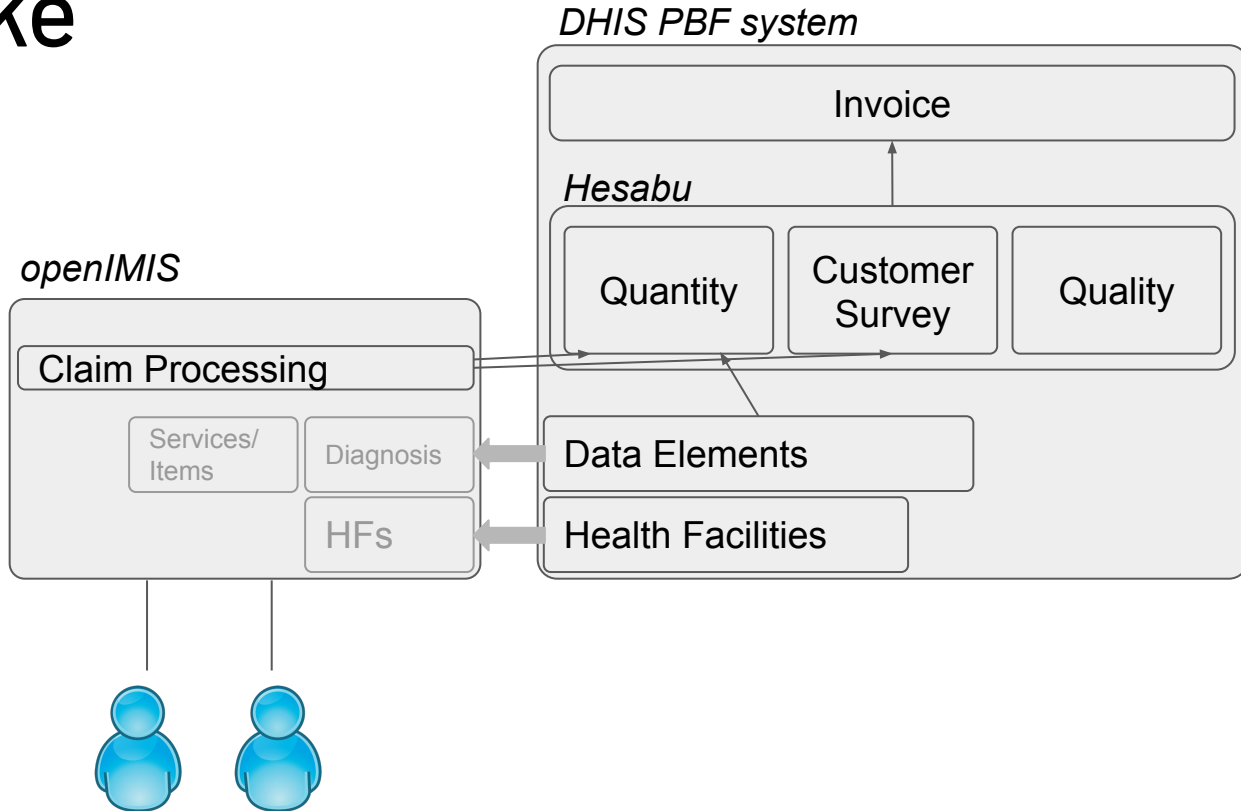
OpenMIS:

- The **patient level data management** (enrollment, policies, contributions, services, medical products) is Managed in OpenMIS
 - What? Free HIV services, Free health services for IDPs and refugees, maternal vouchers, and PBF services
 - In facilities that have the connectivity and staff to manage this additional workload

The **PBF information system** supports:

- **Data entry** for facilities that have limited connectivity / capacity
- **Claim management** - one single claim management process
- Data visualisation, dashboards and **business intelligence**

What it might look like



Take aways

- **OpenMIS** is now **an attractive OpenSource digital tool for purchasing** based on individual data
- The **integration of PBF information systems and OpenMIS** provides an opportunity to **shift from purchasing based on aggregated data to individual data**
- The integration of the two tools can also help **reduce health financing fragmentation** since an integrated platform can support different schemes
- The integration of the two platforms leverages features that **complement each other**

Thank you!



Nicolas de Borman, CEO

ndebordman@bluesquarehub.com

Laure Pontis, Data Project Manager

lpontis@bluesquarehub.com