



Agenda

- Bluesquare:
 - who we are
 - our engagement towards openIMIS community
 - our methodology
- Achieved

what we delivered this month

- Roadmap

what we will deliver and what are our dependencies



Delivering innovative technology for better lives.

Fall 2018

what we do COUNTRY LEVEL DATA SYSTEMS 24 COUNTRIES

We build technologies that enhance governmental health data systems with a focus on three markets:

HEALTH FINANCING DATA SYSTEMS

- Data systems for purchasers, health insurance, Ministries of Health
- Example: Develop a Pay for Performance data system in Kyrgyz hospitals

GOVERNMENT HEALTH DATA WAREHOUSES

• Example: The health data warehouse in Morocco

DISEASE OR THEMATIC DATA SYSTEMS

- Diabetes
- HIV
- Tuberculosis
- Malaria
- Immunization systems
- Vector Borne eradication systems (i.e. sleeping sickness)
- Family Planning
- Emergency Obstetric Care

Bluesquare develops these data systems based on a suite of in-house software products connected to DHIS2 a popular open source data management platform used by over 40 governments.

How we do IT products and data services

We deliver technologies and services that strengthen governmental health data systems, mainly:

Hesabu (aka ORBF)

• An open sourced rule engine that allows complex calculations in DHIS2, a popular open source data management platform. This is particularly useful for health financing data systems.

Data Viz

• A public web dashboard that allows showcasing results.

Modeling and data science

• Statistical analysis, Data cleaning, Modeling & machine learning and analysis automation to help customers bring value out of their health data.

Bluesquare suite of in-house software products and services allow collecting, computing, analyzing and visualizing data in a intelligent and friendly manner.



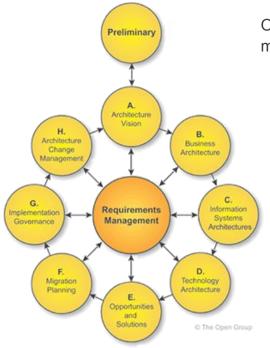
Bluesquare: our engagement towards openIMIS community

We believe that health insurance will be at the heart of the UHC agenda in many countries.

openIMIS modular transformation is an opportunity to develop code that can be used at scale to help provide health services "for the global good" (i.e. exact DNA of Bluesquare).

Creating synergies with our existing and future health-financing portfolio, promoting the tool in the countries where we operate.

Bluesquare: our methodology



Our approach to deliver the openIMIS modules borrows several concepts from TOGAF, most important one being the ADM (Architecture Development Method):

- Iterative, ensuring pragmatism and responsiveness in delivered solution
 - We strive to keep things simple: we aim to use the TOGAF framework as a guide not a rule book. Where we feel it will serve this project we will make use of it. However, our proposed approach is much lighter than a traditional TOGAF implementation effort.
 - It helps any community member to find/contribute to the appropriate part of the system.

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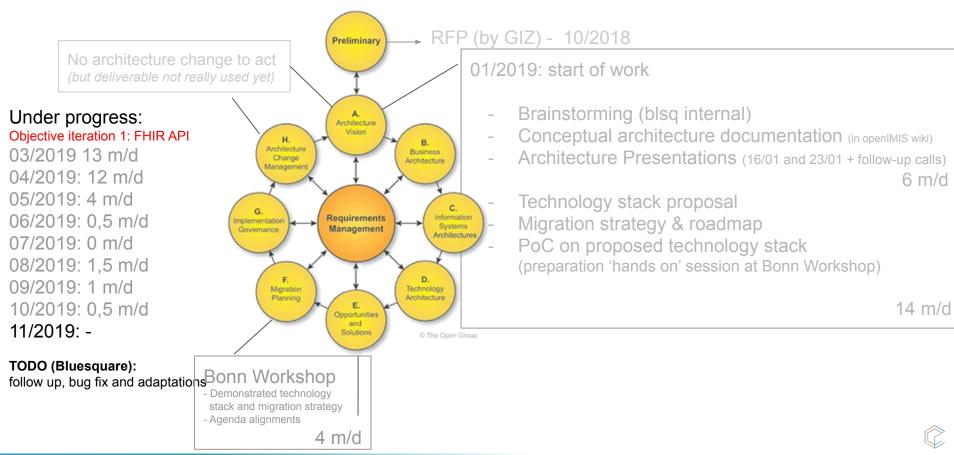
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Iteration 1:

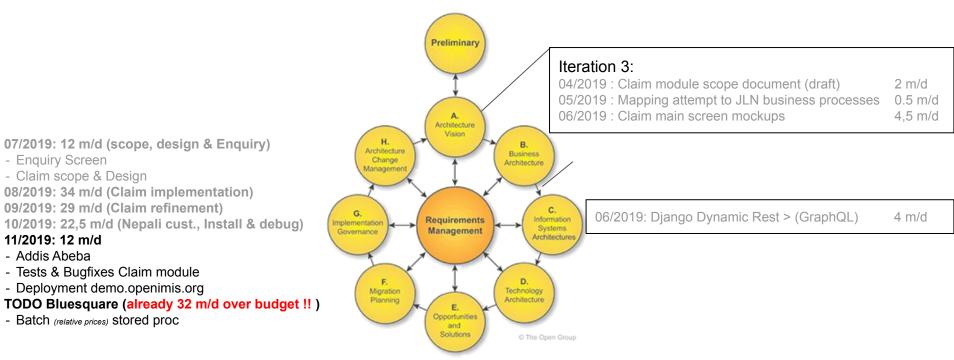
56.5 / 60

Achieved (Iteration 1): FHIR API



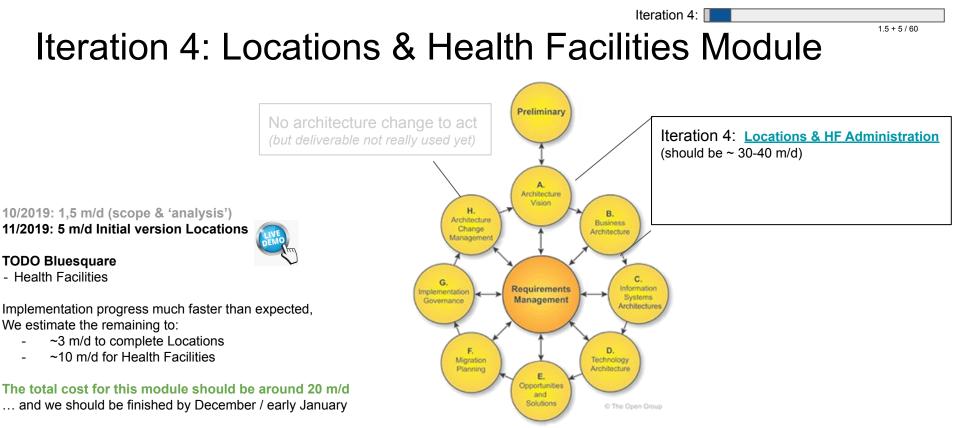
Iteration 3:

Achieved (Iteration 3): Claim Module



>> Estimate ~10 m/d still necessary for the Batch Processing stored proc

90



Once module implementation done, we will be reassessing the (global) project budget remainings and make suggestions for its best usage: support for implementation, technical documentation, training material,... (please suggest!) Current estimates:

I1: 56.5 m/d + I2: 18.5 m/d + I3: 120.5 m/d + 10 m/d + I4: 6.5 m/d + 13 m/d = 225 m/d (on 240 m/d) >> about 15 m/d left

Iteration 4: Locations demo

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		Q			Q				Q	R1D1M1V1 - Rachla	X	Î
R1 - Ultha	\times	Î	R1D1 - Rapta	X	Î		R1D1M1 - Achi 💙	ŝ	Î	R1D1M1V2 - Darbu	X	Î
R2 - Tahida	×	Î	R1D2 - Jambero	X	Î		R1D1M2 - Jamu 🏼 💙	Ş	Î	R1D1M1V3 - Agdo	X	Î
			R1D3 - Uptol	X	Î		R1D1M3 - Adhi 💙	Ş	Î			
							R1D1M4 - Jobber >	Ş	Î			
							R1D1M5 - Radler >	S	Î			

Iteration 4: Adding/Update a location

R1D2 - Jamber	o X 📋	R1D1M2 - Jamu	× 💼	R1D1M1V3 - Agdo	
R1D3 - Uptol	New Municip	ality of R1D1 - Raj	ota		
	^{Code} R1D1M6				
	Name TEST				
			CANCEL	SAVE	

All Locations changes (create, move,...) are using the asynchronous mutations mechanismof openIMIS

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		+	Districts		+	Municipalities	+	Villages	+	Q	
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la	X	Î	R1D2 - Jambero	X	Î	R1D1M2 - Jamu 🔀	Î	R1D1M1V3 - Agdo	×		
			R1D3 - Uptol	X	Î	R1D1M3 - Adhi 🔀	i /				_
						R1D1M4 - Jobber 🔀					
						R1D1M5 - Radler 🔀					
						R1D1M6 - TEST	de la compañía de la comp				

Iteration 4: Delete a Location (and re-assign)

R1D2 - Jamb	ero X T R1D1M2 - Jamu X T D1r	MM1V2 - Dalbu
R1D3 - Uptc	Delete R1D1M6 - TEST Municipality	
	 Delete R1D1M6 - TEST Municipality and all its Villages Delete R1D1M6 - TEST Municipality and move its Villages to R1D1M1 - Achi 	
	R1D1M2 - Jamu R1D1M3 - Adhi R1D1M4 - Jobber R1D1M5 - Radler	E

Iteration 4: Move a Location

