

openIMIS

Gumzo ya Mwezi 07/12/2020



Bluesquare



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





BLUESQUARE

www.bluesquarehub.com

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.

A world map with a light blue background. The landmasses are shown in a darker blue. Twenty-four countries are highlighted in white, including the United States, Canada, Mexico, the United Kingdom, France, Germany, Italy, Spain, Portugal, Ireland, Greece, Turkey, India, China, Japan, South Korea, North Korea, and several countries in Africa and Southeast Asia. A white airplane icon is shown flying over the Atlantic Ocean. The text '24 COUNTRIES' is overlaid on the map.

24

COUNTRIES

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).

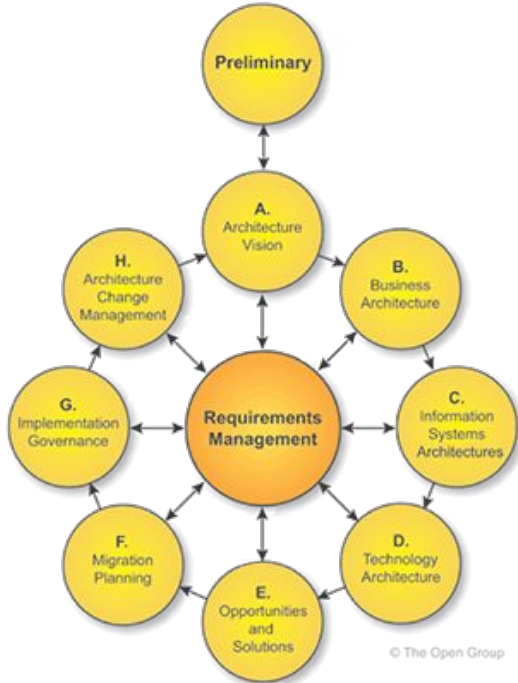
Creating synergies with our existing and future health-financing portfolio, promoting the tool in the countries where we operate.



Bluesquare: our methodology

Our approach to deliver the openMIS 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.



Bluesquare team

Xavier Gillmann Lead frontend dev

Eric Darchis Lead backend dev

Christine Verstraete Health Financing Lead PM

Laure Pontis PM

Change requests => Jira: [openIMIS Jira, project "OMT"](#)

General discussion and exchanges => openimis-implementers-committee@googlegroups.com
openimis-developers-committee@googlegroups.com

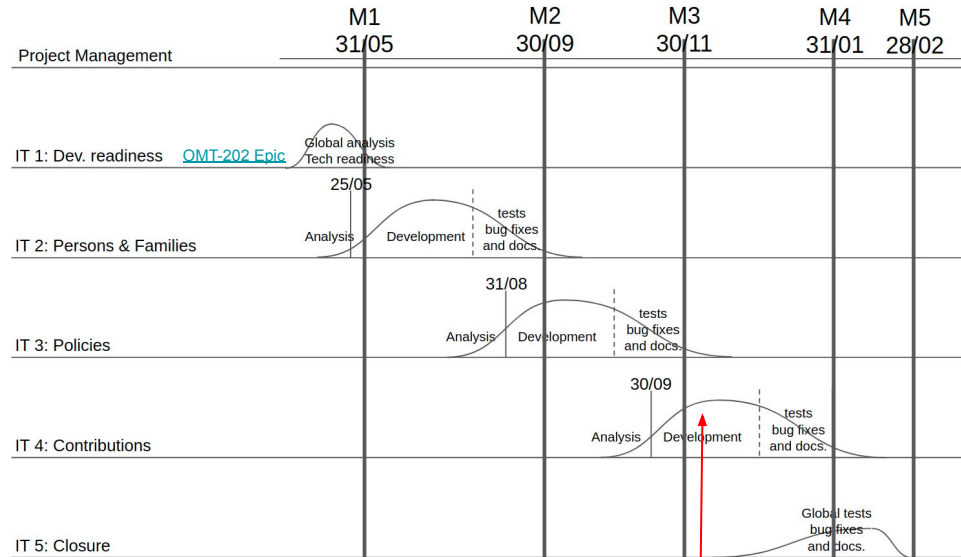
Feedback on mocks/testing => [Wiki https://openimis.atlassian.net/wiki/home](https://openimis.atlassian.net/wiki/home)

All other => PM (Christine and Laure) cverstraete@bluesquarehub.com lpontis@bluesquarehub.com



Notice D. (RFA-2019016): Beneficiary enrollment

- **Scope:** migration 'as is' of persons & families, policies and contributions
- **Timeframe:** 9 months (mid May 2020 - mid Feb 2021)
- **Methodology:** continuation of claim and locations & HF's migration



We are here



Iteration 1: Dev. readiness

Closed iteration with 22% over budget
(project 'closure' IT-5 contingency)

05/2020 : Epic: [OMT-202](#)

- “Permalink” hack resolution ([OMT-193](#)) - thanks Nils !
- LGTM corrections (visible in PR develop > master)
- Claim & Locations maintenance - thanks Patrick

Note:

- In review: claim processing ([OMT-193](#))
- Still open: 'account preview'
- Support other teams
 - Participated to form...
 - ... about (MS-SQL) J...
 - mechanism... for claim,



9-016 - No Architecture vision change
20 : Beneficiary Enrollment global analysis
(SQLN mapping,...)

Notes:

- screen presented to implementers 27/05
- thanks Patrick for feedbacks

05/2020 : Technical Upgrades

Backend

- django 3
- ~~report bro~~ (1.4 not yet compatible with Windows platform)
- ...

Frontend

- React 16.13,
- Material-UI 4.9
- Babel,...

Iteration 2: Persons & Families

08-09/2020: TESTING:

- Testing plan
- Aehin testing support
- Nepal testing
- Feedback from implementers
- Feedback from developers

06/2020: (started Insurees & families)

07/2020: (mocks feedbacks, I&F - readonly,...)

08/2020:

- Insurees & Families mutations (write features & testing)
- Coordination meetings
- Support other teams
- intermediary iteration report + F

09/2020 :

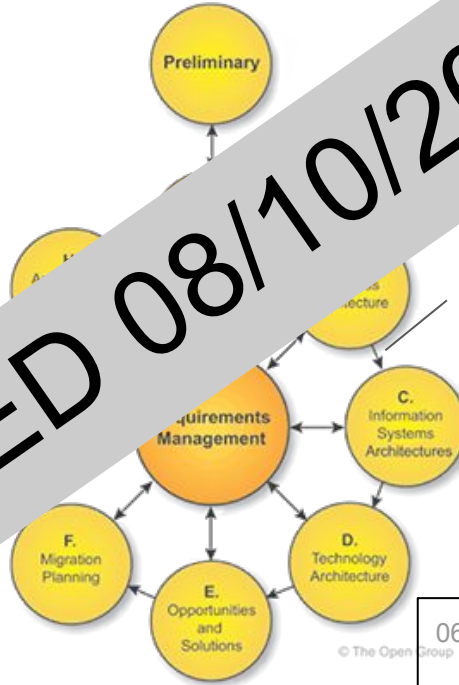
- Testing and debugging
- Documentation

10/2020 :

- Documentation

TODO Bluesquare Epic OMT-188

- Finalize documentation (readthedocs,...)
- **Limited** Claim & Locations maintenance
- Support other teams



Analysis & Screen mocks:
Analysis finalization

06/2020 : Scheduled tasks & JSON extensibility:

Iteration 3: Policies

10/2020: TESTING

- Coordination meetings
- Support other teams
- Feedback on developments

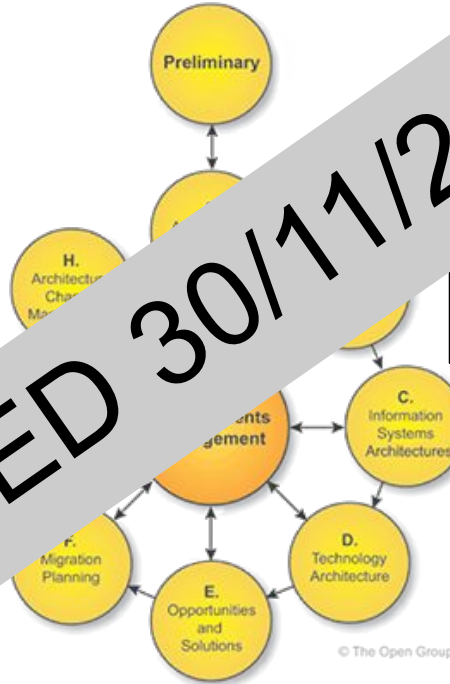
- Documentation
 - Readthedocs
 - Wiki analysis

<https://openimis.atlassian.net/wiki/spaces/OP/pages/65999627/Policies+module+scope>

- Wiki testing

<https://openimis.atlassian.net/wiki/spaces/OP/pages/04476208/New+Policies+Module+Implementation+Testing>

- User guide
- Iteration report



Analysis:
• Screen mocks
• Additional policy status

09/2020: Feedback on analysis

09/2020 : Development based on mocks

10/2020 : Development

- Policy screens
- Create new policies + Calculation rules:

<https://openimis.atlassian.net/wiki/spaces/OP/pages/1838612485/Policy+Values+Calculations>

- Delete Policy
- Renew policy + Calculation rules:

<https://openimis.atlassian.net/wiki/spaces/OP/pages/1849163809/Policy+Renewal+Values+Calculations>

- Suspend Policy



Iteration 4: Contributions

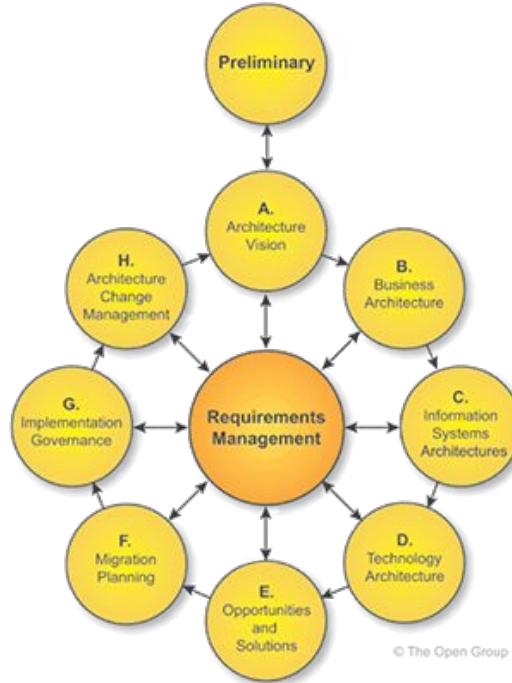
12/2020-01/2021: TESTING

Upcoming:

- Testing Plan

Upcoming:

- Documentation
 - Readthedocs, ...
 - Testing report
 - Iteration report



11/2020:

Detailed contributions module analysis:

<https://openimis.atlassian.net/wiki/spaces/OP/pages/1366163471/Contributions+Payment+module+scope>

- Screen mocks
- Additional policy status

Feedback requested

11/2020 : Contributions development work started
To do BlueSquare in Epic OMT-213



Developers training videos

Developers videos are all available on the

[Developer starting kit page](#) in the Wiki

Please let us know should you have any question

