





Swiss Confederation

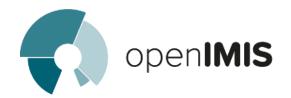
An open source Insurance Management Information System



Saurav Bhattarai(GIZ-S2HSP, Nepal) Alicia Spengler (GIZ OpenIMIS, Germany)



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Background

Goal: UHC



A viable way: Social Health Insurance



Challenge: Administrative Burden

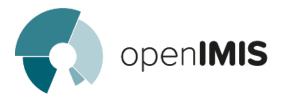


Solution: Technology based MIS



Leverage knowledge: Open Source



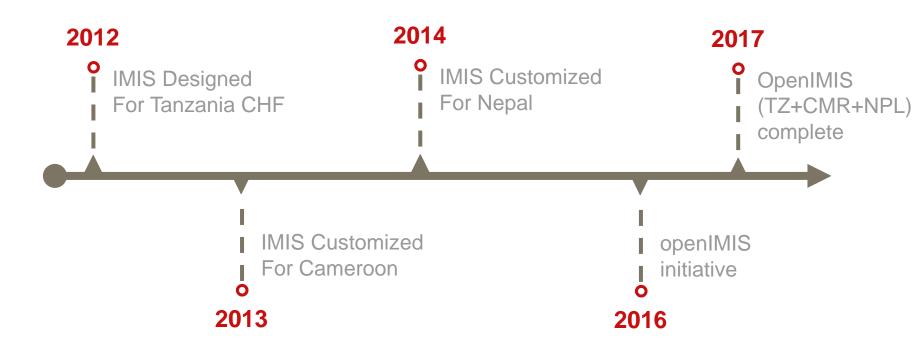


Why Insurance MIS

- Insurance processes are complicated to manage
- Claims are only paid when providing transparent and evidence based billing
- In a data focused SDG era, a unique opportunity to incentivize health data reporting
- Patient level data available
- Opportunity to have up-to-date client registry



The evolution of openIMIS

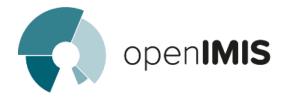




IMIS

Designed for the CHF social health protection scheme in Tanzania

- Designed and developed by: Micro Insurance Academy (MIA) + SwissTPH + Exact Software
- Funded by SDC
 - Full copyright
 - Willing to offer other countries/schemes free of cost (including source code)
 - Condition: modifications to software should be shared with other countries/implementers



Major Business Processes

- Enrollment
- Verifications
- Claim Submission
- Claims review
- Client Feedback

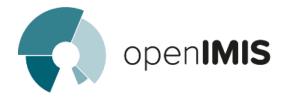


Need for OpenIMIS

Open source AGPL Licenced

OpenIMIS

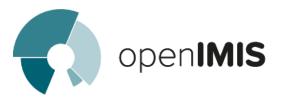
www.openimis.org



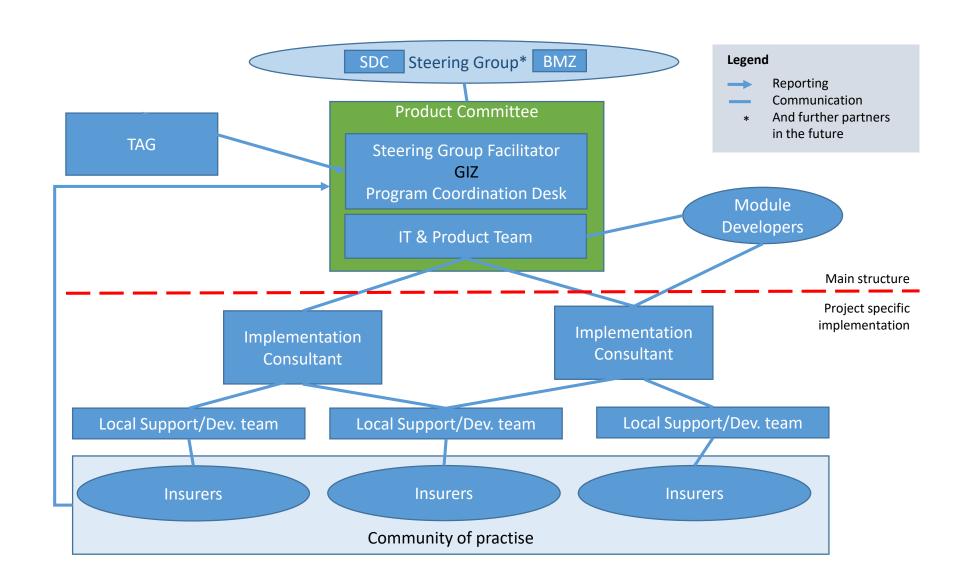
GIZ & OpenIMIS

Partnership between SDC and GDC for OpenIMIS initiative

- Development of Master Version
- Technical design of OpenIMIS
- Transition from IMIS -> OpenIMIS, including initial development
- Support bilateral programming in countries where GDC / SDC has health as main topic
- Coordinate Community of Practice
- Develop guidelines, SOP, training formats



OpenIMIS Governance





Collaboration

- Technical
 - Technical Advisory Group
 - Community of developers
- Operational
 - Country specific Implementations
 - Community of practice
 - Country specific requirements
- Financial (Steering Group)

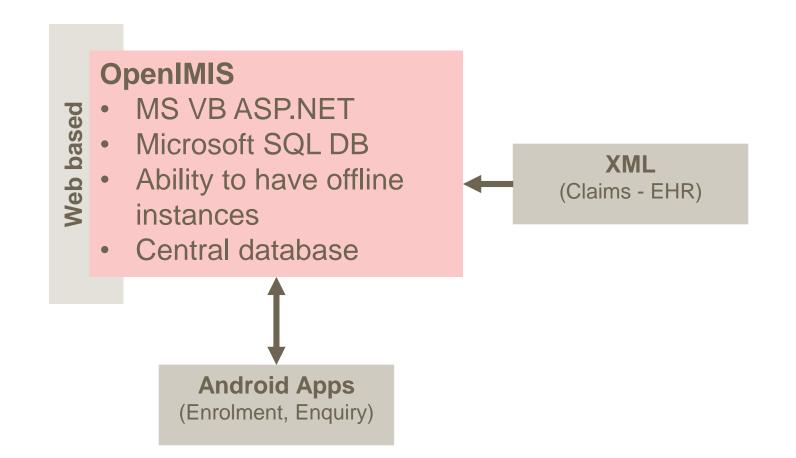


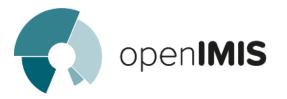
Next Steps

- Development
 - Reengineering
 - Monolithic -> modular design
 - Integration with other tools
 - New features
- Community Setup
 - Community of developers
 - Community of users
- Implementation Toolkit



openIMIS Tech Specs





openIMIS Functions

- Scheme design
- Enrolment
- Verifications
- Claim Submission
- Claims review
- Client Feedback



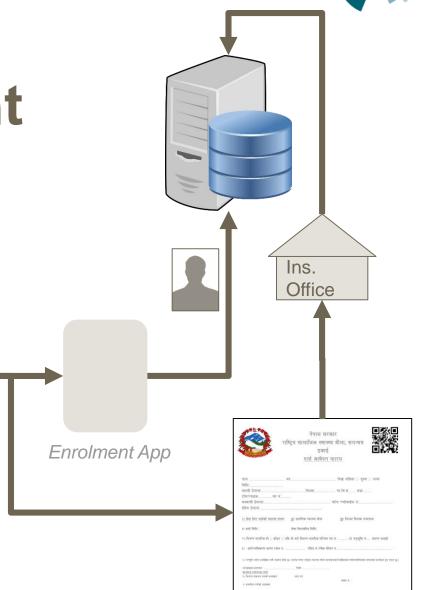
Functions – Scheme Design

- Family or Single person
- Payment modalities
 - Single Payments / Installments
 - Cost sharing (Employers, Govt., etc)
- Benefit package customization
 - Services, drug availability
- Different pricelists (for different levels of facility)
- Multiple policies per beneficiary

openIMIS

Enrolment

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Beneficiary





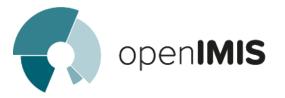


Verifications

- To be done at all points of care
- Web based enter insuree number
- Android scan QR code

- Photo
- Remaining balance (benefit package)
- Expiry





Claims Submission

- Typical scenario [no EHR solution]
 - Claims begin on paper (carbon copies)
 - After patient visit, facility enters it into openIMIS
 - IF EHR present -> XML Imports
- Android Application
- Web-based
- Rich dataset Diagnosis (ICD), Services provided, Drugs/Items provided



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Claim Management	
Health Facility Code	
Claim Admin	
Claim Code	
CHF ID	
Start Date	End Date
Diagnosis	
Diagnosis 1	Diagnosis 2
Diagnosis 3	Diagnosis 4
Emergency	
Referral	
Other	
ltem C	
New Claim	Post this Claim



Claims Review

- Central reviewing mechanism
- Basic screening based on insuree profile and scheme definition
- Reviewers have ability to filter claims
 - By Value
 - Random sampling
 - Divergence from agreed pricing
- Payment advice based on clams review

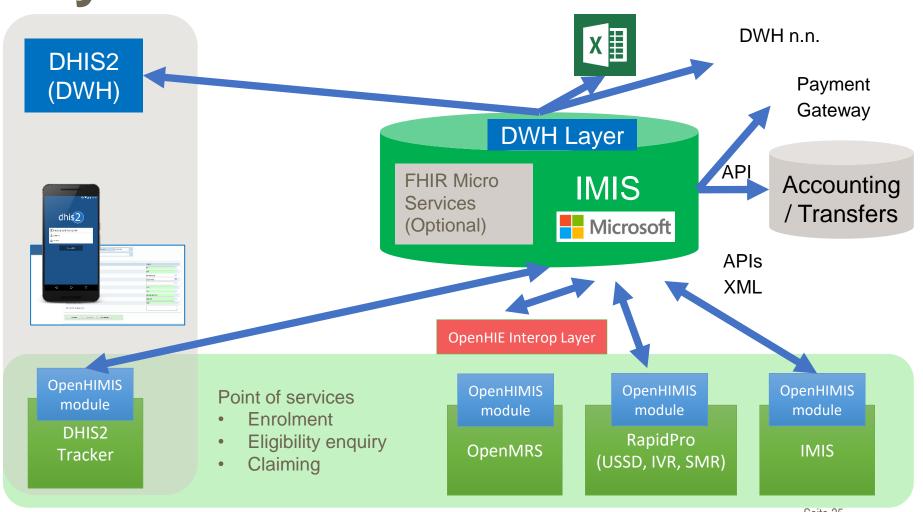


Feedback

- Client feedback on service quality (Insurance + Health Service)
- Linked to claims
- Home visits
- Card scanning required



System architecture



Seite 25



Opportunities for engagement

- Module development
 - Apps
 - Claims
 - Data Warehousing
- APIs connection with other HIS
- Reengineering the core
- Technical Advisory Group