openIMIS Developers Committee Minutes

Title	Developers Committee Meeting		Date	**15.09.2022**
Location	**https://meet.jit.si/openIMISDevelopers**		**Time**	**08:00 UCT**
Meeting called by	openIMIS Initiative		**Type of meeting**	Weekly Call
Facilitator	All		**Note taker**	All

#	Item		Discussion	Date
			A: Action, C: Confidential, D: Decision, I: Information, W: Warning	
19	AGPL V3 License	W	- Will there be a problem with external security-related code because of the copy-left clause? - https://openimis.atlassian.net/wiki/spaces/OP/pages/40566798/Licenses - German lawyer sent preliminary report, waiting for DEZA reaction - DEZA still proposes Bern clause - http://www.apache.org/licenses/LICENSE-2.0 needed for the HTTP Client mobile app (Point 4 - Redistribution)	14.07.2022
59	DHIS2 Integration	I	- Demo DHIS2: https://dhis2etl.s1.openimis.org - Release DHIS2: - Dataset could be used instead of program https://openimis.atlassian.net/wiki/spaces/OP/pages/1484423230/Report+queries+for+SSRS+dataset - to be checked: Program Dataset Connector (PDAC) - ADX file supported - demo up again, but empty - PATH session on FHIR Analytics yesterday - support from HISP TZ requested - started to create aggregation mechanisms for ADX export - SQL scripting on openIMIS side	15.09.2022
105	List of modules	D	- JLN: https://openimis.atlassian.net/wxiki/spaces/OP/pages/807600219/Background+-+Joint+Learning+Network+for+UHC - https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Plugins - Mapping openIMIS-JLN started: https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping - started restructuring of documentation #306 - update of Tomai session needed: https://openimis.atlassian.net/wiki/spaces/OP/pages/3280240641/Webinar+openIMIS+pour+l+Assurance+maladie+L+approche+modulaire+-+15.03.2022 - new graphical overview: https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Modules - Still need more rewording to clarify modules/components/front-back… - deep dive today - Modular Architecture - https://openimis.atlassian.net/wiki/spaces/OP/pages/3376152582/Modular+Architecture+Draft	15.09.2022

127	Publish AAB/APK on Gplay	A	[Policies Demo Mobile App on Google Play](#) - Solution to improve the application (e.g. app name is Barcode Scanner on some phones) - TZ policy app will be pushed to Google Play - in testing countrywide - file access was rejected by Google, needs rework - Eric added a [GitHub action](#) to build APK and AAB. Installing the APK - Eric: From Aug 1 2021, Google Play will require new apps to be in AAB instead of APK. We can upload the signing key to Play Store and let it manage signing of the AAB, so this would make our life easier.	04.08.2022
135	Modular version Install Nepal	A	- legacy part is productive - FE not applied for all functions 2 domains 1 Modular - 1 legacy 2 domains will be used in parallel - Claim reviewers will be the first to use the modular; if it work well other kind of user will move to Modular - Performance issue is solved - Migration needs some adaptations first	01.09.2022
136	AI Project	A	[openIMIS AI-based Claim Adjudication](#) - improvements with STPH internal funds - Inconsistencies were identified in data - updating to use FHIR APIs - claim ID/insurance ID replaced for performance - new version in testing - AI Workshop on 24.05 was done	01.09.2022
141	Demo instances for the interop use cases	A	- No issues experienced in the last two weeks - Demo instances of OpenMRS, Bahmni and DHIS2 integrations:https://openimis.atlassian.net/wiki/spaces/OP/pages/3219128428/Sandbox+Landscape - BAHMNI-Docker under revision -> in T1 - MojaLoop is wip with help from modusbox, - MIFOS is installed and configured - openHIM is installed and configured - hoping to integrate sandbox as a project component in the next phase	25.08.2022
147	Tanzania implementation	I	- Request to get CIF for migration - integration into 2 HMS (afyacare & gothomis) and one accounting systems (muse) => done - Roll-out of modular version starting with pilot => catalytic funds could be used for migration? - REST API starts to show issues under big loads - UAT for GOTHIMS & AfyaCare integration done and pilot will start in 3 regions - new insurance act expected next year which will bring high volumes of new beneficiaries - Formal Sector modules to be implemented for small farms	15.09.2022
164	Roadmap	I	- Old roadmap documents need updating e.g. for the new tender processes #167. - Expect heavy Wiki harvesting & restructuring - https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/Product+Roadmap - FS to be updated - Link Jira Roadmap or Confluence Roadmaps ? - collecting (big) ideas for next project phase	01.09.2022

176	Video tutorials (Impl)	I	[Session 1](#) - openIMIS Legacy Web Application [Session 2](#) - openIMIS Legacy Web Application Localization - New release: [Docker installation tutorial](#) - Translations to French language	21.07.2022
183	Nepal new features (modular)	A	- New features are requested by HIB - Puru will submit the new features on Jira (part already on jira) - contracting out in Nepal by tomorrow - Legacy/Modular will depend on the module available - pushed to openIMIS repos - needs review	01.09.2022
188	Extend to other Schemes (Product redesign) "Beyond Health"	A	- Develop a common roadmap **(to brainstorm in the next Get Together)** - https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053 - found Jiri report, needs to be uploaded - Ideas for architecture: https://openimis.atlassian.net/wiki/spaces/OP/pages/3024289830/openIMIS+beyond+health+features+needs - channel this through Conversion Initiative (DCI) - make this a target for next project phase	25.08.2022
190	Insuree self registration (general)	I	- fork Tinkersoft repos into openIMIS - reviews needed - new updates in the pipeline - Project Forked : https://github.com/openimis/openimis-be-self_registration_py	01.09.2022
193	Client self management Mobile App in Nepal	I	- New mobile app for enquiries under development - https://github.com/tinkertechnology/ - is in github repos from Tinkertechnology -> need to push to openIMIS - Licence? it's in the contract already fork Tinkersoft repos into openIMIS - reviews needed - https://github.com/openimis/mobile-self_registration_flutter	01.09.2022
204	Students	A	- Can we recruit students for a thesis? - Page to be created with possible thesis topics #303 MARS project	14.07.2022
208	Developer Workshop	D	- What about a Dev Workshop in January? Rather later in person (Nepal) - Intermediate sessions as needed (Kickoff for new T3 project: 04.01.) - Preferences: Nepal, then Kenya	09.12.2021
223	Testing Scenarios	D	- https://openimis.atlassian.net/wiki/spaces/OP/pages/1343881261/Quality+assurance - https://openimis.atlassian.net/wiki/spaces/OP/pages/1336967179/Quality+assurance+opensource+tools - instance installed: qa.openIMIS.org - new overview page: https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview - needs updates #306 - need test cases for new functionalities - new testing scenarios for payment layer included - testing scenarios for UI wording need in all languages	15.09.2022

230	Security auditing	D	- Digital Square received the security review and recommendation - new project: https://openimis.atlassian.net/wiki/spaces/OP/pages/3365076993/Project+Security+2022 - code review done, security concept drafted - penetration testing on demo is done - penetration testing for release is done - only one high risk in release found	15.09.2022
234	Payment Layer	I	- GovStack BB call #307 - Payment layer demo was done: - https://openimis.atlassian.net/wiki/spaces/OP/pages/3316219905/2022-06-08+openIMIS+Payment+Layer+Demo - follow up event with OpenG2P planned - DCI event is scheduled / WB call took	15.09.2022
236	Nepal Claim FE integration into main	A	- Nepal rework the claim FE module to improve the layout - demo to implementers was done - integrate code into develop branch through feature branches - by the end of May - merged except claim delete (no pull request)	15.09.2022
239	GovStack	A	- technical specification documents are ready for review: - https://docs.google.com/document/d/18aJLgW4dlB89UMFVXBnrzpHwGLnmQpaoxUGVMxsoGUo/edit - https://discourse.govstack.global/t/govstack-documents-and-resources/95 - openIMIS Integration: https://docs.google.com/presentation/d/1IZh5FQIqgmVkk7KU0ui8ETVaFawfsT-DFO8Zql6G-mU/edit#slide=id.p1 - Demo: - video - instance - relaunch monthly calls, GovStack needs to pick up - next steps in openIMIS integration will start this week - Govstack missed a date in the bill - will use GovStack scheduler	15.09.2022
243	Item/Service groups	I	- Works fine! - Development done - Configuration and testing ongoing - Implementers expressed a few times the desire to add item and service groups. While we're finalizing the module rewrite, now is a good time to check what is possible. Meeting with Saurav (and Jean) tomorrow. - Think about hierarchies - https://openimis.atlassian.net/wiki/spaces/OP/pages/2998730753/Classification+of+Social+Protection+Schemes - Not integrated in the new modules because no real demands and not in the scope/budget - Service Bundles will be developed under CM ChequeSante implementation - Y-Note is developing this, work is ongoing, to be finalized in August	01.09.2022

246	International Developers	A	● How do we make the community compatible with other language groups at all levels? ● French channel in discord? ● Workshop organised by Digital Square ● call with Digital Square, they set up a workshop on how to integrate other language communities	31.03.2022
249	Random Claim Sampling	I	● HIB has requested support on Claim Random Sampling. ● Gone live ● results: process is accepted now ● upload to github done, needs to be merged	04.08.2022
250	Performance test (Modular) on big data set	A	● https://s2.openimis.org/front/home ● can it be further anonymized for use as demo data set ● needs to be extended to the PostgreSQL version ● migration script from existing MSSQL DB	15.09.2022

252	Toumai Community		● Upcoming
			  ● September 20: UHI for UHC: Outlook for Sub-Saharan Africa
			  ● October 4: Health insurance and climate change in sub-Saharan Africa
			  ● October 18: openIMIS Module: Claim-AI
			  ● November 1: Review of openIMIS processes and implementation examples
			  ● November 15: A database of documents and forms used by openIMIS implementers
				15.09.2022

260	Documentation management platform	D	● Need to develop an implementer's guiding document on the payment layer ● docs.openimis.org (ReadTheDocs) ● openIMIS Docs ● https://openimis.gitbook.io/installation-and-country-localization/ (GitBook) ● need to standardise & improve module documentation (e.g. which repositories are involved?) ● topic in coordination desk team meeting ● #306	25.08.2022
274	Default module configuration	A	● Add default configuration to DB for each module so implementers know what can be configured. ● could be done through migration script ● #288 Implementer documentation	09.06.2022
284	offline mode (web)	I	● current version of extracting data for offline mode for web-app is not working ● nobody is using it, improve mobile apps instead ● need to communicate to implementers ● Ticket open to test the offline version for the Legacy https://openimis.atlassian.net/browse/OP-466 ● problem with vouchers - validation via USSD? ● to check if this can be done via the new mobile solution	15.09.2022
286	Mauritania Implementation	I	● ePayment implementation through Bankily mobile application in discussion	16.12.2021
288	Implementer documentation	D	● Should we add specific documentation for the implementers (not end user or installation) ? ● Explain the module configuration in details ● through tender 2? ● new starter kit in French: https://openimis.atlassian.net/wiki/spaces/OP/pages/3312812057/Starter+Kit+Toumai	08.09.2022

			● needs interlinking between language versions (Example - see collapsible box at the bottom of the page) ● #306	
295	OpenMRS/BA HMNI FHIR		● openMRS/BAHMNI FHIR needs to be updated to FHIR4 - workload and funds (Notice F2?)? (FHIR3 still works, though) ● estimation? ● synchronise with Possible Health implementation ● FHIR4: there were updates in the BAHMNI packages ● FHIR5: #320 ● done?	14.07.2022
296	Cameroon Voucher Scheme	I	● Ongoing update on the mobile app (REST API) ● bundle/package of services and items, and voucher number validation features to be developed by Y-Note #243 ● UCPC MoH ● training ongoing ● bugs fixing, performance optimisation ongoing	08.09.2022
301	Split database user	A	Consider splitting database user of the webapp and the more advanced user. Right now, the documentation says to create imisuser with db_creator role. The user also has the right to create backups and restore them. The legacy app allows admins to give a path like c:\openimis\foo and dump a file there. Or load the database from such a path. This is a big risk for security. Even if it is restricted to Admins, combined with another flaw, it might have very bad effects	03.03.2022
304	Django module from ol modules	A	● Add django modules from openimis modules ● this is not only about loading py modules, it needs to be part of the DJANGO_MODULE in the assembly settings.py	12.05.2022
306	Documentation QA	A	● consistent documentation ● Tasks: https://openimis.atlassian.net/wiki/spaces/OP/pages/3276505089/Documentation+QA+Activities+2022 ● Wiki-structure: https://openimis.atlassian.net/wiki/spaces/OP/pages/3290923009/Wiki+Target+Structure+Draft ● Release checklist (done and used for 2022-10): https://openimis.atlassian.net/wiki/spaces/OP/pages/3312615490/Checklist+for+Release+2022-10 ● Documentation landing page (done): https://openimis.atlassian.net/wiki/spaces/OP/pages/3377430529/Documentation+Landing+Page+Draft	15.09.2022
311	Mobile Offline extracts	A	● We decided not to include the web offline mode extracts but the Mobile app extracts and imports are necessary (and missing) ● They are actually included into the April release but not shown in the frontend. There are some issues with the existing system and mobile apps, so Bluesquare is currently testing this and making sure that it's available. ● Implemented in front and back, with rewrites of stored procedures ● Missing end-to-end testing on some features ● data for testing needed from STPH	15.09.2022
312	UI-Wording	D	● Automated translation done with verification (on all terms extracted)	08.09.2022

			● Who decides on wording in user-interfaces for the standard version? ● address this question to implementers ● Discuss: Who is responsible? ● make it part of the UAT	
314	Public Presentation	A	● https://openimis.atlassian.net/wiki/spaces/OP/pages/717291605/Material+for+Communication+and+Starter+Kit ● links are broken -> Implementation starter kit needs to be cleaned up ● -> Implementers Call - page might be deleted	04.08.2022
315	DB migration to PostgreSQL	A	● Unit testing completed - Need more testing on performance ● list of stored procedures is updated: https://docs.google.com/spreadsheets/d/18XxbBsPXvHrq7Enu7Bj02WpE1GiIasINP1aMK6ECQcU/edit?usp=sharing ● Wiki page with details on writing code that works on both platforms: https://openimis.atlassian.net/wiki/spaces/OP/pages/3380871169/Database+compatibility+PostgreSQL+MS+SQL+Server ● work needed to integrate changes into repositories ● lot of pull request to come in due to change of MS-SQL DB driver ● work needed on the initialisation/migration scripts	15.09.2022
316	The Gambia Implementation	A	● New Implementation ● Current status: started ● a lot of programming needed ● ID verification with national ID system (eCRVS)	15.09.2022
317	Implementation in DRC	A	● Implementation kick-off ● Restoring of the former platform is ongoing with some difficulties to find a local server to host the data ● Onboarding of the Tech team in DRC ● Training to admin and users completed	15.09.2022
320	FHIR R5	A	● Can this be funded through Digital Square? ● could be part of an implementation project ● should wait for the official release ● could be a student project	08.09.2022
321	Compatibility with other DB systems	I	● Oracle is officially supported in Django ● openIMIS is most likely not able to take over Support for non-PostgreSQL ● stored procedures are still a problem ● different json dialects are handled by Django (indexing problem in MS-SQL reduced, but not efficient) - done	15.09.2022
322	UI Translation	A	● Translation into French completed with DeepL, Next to integrate in the Language package ● How do we institutionalise Language versions? ● -> Implementers call ● initial French translation done by developers, but verification needed by implementers ● integrate translation tests in the UAT	08.09.2022
323	Digital Square EOI	I	● 180 applications received. Currently under evaluation ● digital Square is enrolling digital entrepreneurs from Africa: https://openimis.atlassian.net/wiki/spaces/OP/pages/3369172993/Digital+Square+-+Digital+Entrepreneurs+in+Africa	18.08.2022

324	OpenHIE Conference	A	● 2022 OpenHIE Virtual Community Meeting: https://ohie.org/ohie22/ ● Health Financing Session on 21.09 - 15:00 cest ● https://ohie22.sched.com	15.09.2022
325	FHIR R4 to R4B	A	● Should we upgrade FHIR R4 from 4.0.1 to 4.3.0? ● Only update of the openIMIS API V4, no parallel version ● should we implement PATCH HTTP method to update only changed fields in resources (PUT is replacing all fields and should validate mandatory fields)?	08.09.2022
326	Publication to FHIR IG registry	A	● Publication to FHIR IG registry http://fhir.org/guides/registry/ http://registry.fhir.org	04.08.2022
327	Digital Square Notice G0	A	● New application is required (even if already registered) ● Funds of max 25k for documentation of impact / scale ● https://docs.google.com/document/d/1WuwjcDRdiG_5kMa2v0Vav10ulha8cB-v2DjJ3Lmy9QM/edit	15.09.2022
328	Sandbox		● new instance for develop.openimis.org updated every 4hrs	

Deep Dive Topics:
- 2022-09-08 - Definition of Modules & Hierarchy
- 2022-09-15 - Semantic versioning
- Mobile applications & API migration to modular
- Documentation platform
- Database compatibility
- DHIS2 integration demo - Hiren (Swiss TPH)
- OpenHIE Health Financing toward UHC - workflows