openIMIS Developers Committee Minutes

Title	Developers Committee Meeting		Date	**24.11.2022**
Location	**https://meet.jit.si/openIMISDevelopers**		**Time**	**08:00 UTC**
Meeting called by	openIMIS Initiative		**Type of meeting**	Weekly Call
Facilitator	All		**Note taker**	All
Chat channel	https://discord.gg/khDgTDWUZV			

#	Item		Discussion	Date
			A: Action, C: Confidential, D: Decision, I: Information, W: Warning	
19	AGPL V3 License	W	● 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) ● new contract with the lawyer is being prepared	27.10.2022
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 ● HISP India demo is down - replace with openIMIS sandbox server - data from artificially generated dataset #260	24.11.2022
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 ● Modular Architecture - https://openimis.atlassian.net/wiki/spaces/OP/pages/3376152582/Modular+Architecture+Draft ● finished, next steps: document modules	29.09.2022
127	Publish AAB/APK on Gplay	A	● Policies Demo Mobile App on Google Play ● TZ policy app will be pushed to Google Play - in testing countrywide ● 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. ● point App to server with MS SQL	17.11.2022

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 - https://openimis.atlassian.net/wiki/spaces/OP/pages/3460562945/Customize+and+setup+the+modular+version+of+openIMIS+for+Health+Insurance+Board+requirements+in+Nepal	17.11.2022
136	AI Project	A	- openIMIS AI-based Claim Adjudication 18.10. Toumai webinar, presentation on the page above	29.09.2022
147	Tanzania implementation	I	- Request to get CIF for migration - integration into a accounting systems (muse) ongoing - Roll-out of modular version starting with pilot => catalytic funds could be used for migration? - new insurance act expected next year which will bring high volumes of new beneficiaries - Formal Sector modules to be implemented for small farms -> reach out to DCI - workshop on link to payment systems started (payouts) - integration with HMS (Muse & Afayacare) - Kubernete deployment will be checked	24.11.2022
164	Roadmap	I	- Old roadmap documents need updating e.g. for the new tender processes #167. - https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/Product+Roadmap - collecting (big) ideas for next project phase	17.11.2022
176	Video tutorials	I	- Session 1 - openIMIS Legacy Web Application - Session 2 - openIMIS Legacy Web Application Localization - New release: Docker installation tutorial - needs to be added to playlist (needs to be public in YT) - Update playlists - Translations to French language - coming up: module configuration	24.11.2022
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	17.11.2022
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 - https://openimis.atlassian.net/wiki/spaces/OP/pages/3463577606/Product+refactoring - channel this through Conversion Initiative (DCI) - make this a target for next project phase	24.11.2022
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 - Part of develop	17.11.2022

			●	What is the auth mechanisms : one time password (OTP) based via SMS ● new integration to foresee with payment gateway, use case for the payment modules ? ● https://dev.s1.openimis.org/api/self_registration/temp_insuree_reg/ ? ● Can Nepal devs support on OTP based via email? ● will be released without testing (no testcases)	
193	Client self management Mobile App in Nepal	I		● New mobile app for enquiries under development ● https://github.com/tinkertechnology/ ● Refactor needed to adapt the code to the Main database model (it use Nepal specific fields) ● https://github.com/openimis/mobile-self_registration_flutter ● not in 2022-10	17.11.2022
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)	17.11.2022
204	Students	A		● Can we recruit students for a thesis? ● Page to be created with possible thesis topics ● contacts to Uni Frankfurt established ● MARS Lab had to be cancelled due to health issues	10.11.2022
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 ● Can be done with #334 (OpenHIE 2023 Community Meeting)? ● General community meeting maybe in Feb/March ● Option: Cameroon	10.11.2022
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 ● testing scenarios for UI wording need in all languages ● test cases needed for batch, self-registration ● SolDevelo plugin for test case management: https://www.soldevelo.com/products/jiratestmanagement/ ● test cases needed for Nepal contributions (portal etc)	17.11.2022
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 ● only one high risk in release found - fixed ● need wiki page on security activities ● Digital Square hired a security expert - will set up call	24.11.2022
239	GovStack	A		● openIMIS Integration: https://docs.google.com/presentation/d/1IZh5FQIggmVkk7KU0ui8ETVaFawfsT-DFO8Zqi6G-mU/edit#slide=id.p1 ● Demo:	03.11.2022

				○ [video](#) ○ [instance](#) ● GovStack moving all documentation to confluence: https://govstack-global.atlassian.net/wiki/spaces/GH/overview	
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 ● team from DRC has joined	03.11.2022
249	Random Claim Sampling	I		● HIB has requested support on Claim Random Sampling. ● upload to github done, needs to be merged in legacy ● need to be migrated to modular - difficult for HIB	17.11.2022
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 ● part of current release? ● automatically create data set	24.11.2022

252	Toumai Community			● Upcoming
				  ● November 1: Review of openIMIS processes and implementation examples
				  ● November 15: A database of documents and forms used by openIMIS implementers
				● Jean is joining a new team within GIZ - email still valid
				● group: https://groups.google.com/g/openimis-toumai-
					24.11.2022

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 ● make it a priority next semester	24.11.2022
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, start from new structure ● through tender 2? ● #306	10.11.2022

295	OpenMRS/BAHMNI FHIR	I	• openMRS/BAHMNI FHIR needs to be updated to FHIR4 - workload and funds (Notice F2?)? (FHIR3 still works, though) • Global OpenMRS packages still on FHIR3 • synchronise with Possible Health implementation • FHIR4: there were updates in the BAHMNI packages • FHIR5: #320 • needed in Gambia #316	24.11.2022
296	Cameroon Voucher Scheme	I	• bundle/package of services and items, and voucher number validation features was developed by Y-Note #243 • UCPC MoH • end users training done • Go live target Oct-2022 but quite some customisation pending • final training for pilot ongoing	24.11.2022
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 oI 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 • New focus on installation guide https://openimis.atlassian.net/wiki/spaces/OP/pages/3304488961/Documentation+Taskforce • documentation platform #260	24.11.2022
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 - will be generated through the beta tests	13.10.2022
312	UI-Wording	D	• Automated translation done with verification (on all terms extracted) • 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	08.09.2022
315	DB migration to PostgreSQL	A	• list of stored procedures is updated: https://docs.google.com/spreadsheets/d/18XxbBsPXvHrg7Enu7Bj02WpE1GiIasINP1aMK6ECQcU/edit?usp=sharing • Wiki page with details on writing code that works on both platforms:	24.11.2022

			● https://openimis.atlassian.net/wiki/spaces/OP/pages/3380871169 /Database+compatibility+PostgreSQL+MS+SQL+Server ● Should Django start managing all the schema update via migrations ? ● Add to wiki some tools for PG administration and optimization: https://openimis.atlassian.net/wiki/spaces/OP/pages/3284271107 /Modular+Migration+Open+Issues ● New pull request to fix batch-bug	
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 ● DJANGO migration scripts ● current release: data migration from MS-SQL to PostgreSQL (might need customization) ● future releases: develop against PostgreSQL, migrate to MS-SQL or others if needed	29.09.2022
316	The Gambia Implementation	A	● Current status: started ● patient record systems are needed in hospitals ● political interoperability discussion stalled ● start with sample ● release rescheduled to 2022-06-01 ● ID data planned to be based as regular import based on unique IDs	24.11.2022
317	Implementation in DRC	A	● Implementation kick-off ● server is acquired ● Contract already signed with Airtel ● Waiting for credentials for deployment ● user documentation started	03.11.2022
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 / estimation of days needed ● update in claims: field for scheme not mandatory any more	24.11.2022
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_5kMa2v0Va v10ulha8cB-v2DjJ3Lmy9QM/edit ● deadline postponed to 14.10. ● peer review has been extended	24.11.2022
328	Sandbox	I	● https://openimis.atlassian.net/wiki/spaces/OP/pages/3219128428 /Sandbox+Landscape ● which instances do we need for PostgreSQL, for the moment only Release will be used for PG ● which instance can we use for testing MS SQL? ● default: postgres, additional ● MSSQL still required for the mobile App ○ Demo -> PSQL ○ Release -> MSSQL + Mobile backend	24.11.2022

			● DHIS2 demo needed (just data no ETL) ○ where are the resources from the HISP India project - especially data are needed	
329	openIMIS implementation for IDP in cameroon	I	● Insurance scheme like Voucher scheme with scoring system ● Bonus and penalties ● curation/filter for potential beneficiaries	17.11.2022
330	UNDPX	A	● openIMIS was accepted as a tool ● call with UNDPX security expert took place last week - positive ● follow up on CO contacts: it seems like there is no use case in KE	24.11.2022

332	PBF link	I	BlueSquare is looking at the link between openIMIS and results based finance
			  - in pilot phase
			  - documentation will be shared later
			  - Cameroon project PoC not possible because HIV openIMIS instance is still Legacy. New tender is out from GIZ to migrate to modular and include this connection
				17.11.2022

334	OpenHIE 2023 Community Meeting	I	● 1-5 May 2023 ● Lilongwe, Malawi at the Umodzi Park Hotel ● https://openimis.atlassian.net/wiki/spaces/OP/pages/189595649/Events	27.10.2022
335	IHE profiles	A	● Approach IHE to propose openHIE standards as IHE profile ● board meeting last Tuesday ● next activity: look for IHE experts	17.11.2022

336	Implementer Project pages		● create project pages for in-country development project and give space in the gumzo
			  ○ CM
			  ○ ET
				24.11.2022

337	login case sensitivity		● postgres is case sensitive for login names, mssql isn't	24.11.2022

Deep Dive Topics:
- 2022-11-24: Documentation platform
- 2022-12-01 - DHIS2 integration demo - Hiren (Swiss TPH)
- Kubernetes vs. Docker
- Payment Layer use-case
- Semantic versioning
- Mobile applications & API migration to modular
- Database compatibility
- OpenHIE Health Financing toward UHC - workflows