



Title	Developers Committee Meeting		Date	04.08.2022
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	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 support to be supported in the next weeks demo up again, but empty PATH session on FHIR Analytics yesterday support from HISP TZ requested started to create aggregation mechanisms for ADX export 	28.07.2022
105	List of modules	D	<ul style="list-style-type: none"> 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+I+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... Modular Architecture - https://openimis.atlassian.net/wiki/spaces/OP/pages/3376152582/Modular+Architecture+Draft 	04.08.2022
127	Publish AAB/APK on Gplay	A	<ul style="list-style-type: none"> Policies Demo Mobile App on Google Play Solution to improve the application (e.g. app name is Barcode Scanner on some phones) 	04.08.2022

			<ul style="list-style-type: none"> • TZ policy app will be pushed to Google Play - in testing countrywide <ul style="list-style-type: none"> ◦ 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. 	
135	Modular version Install Nepal	A	<ul style="list-style-type: none"> • legacy part is productive - FE not applied for all functions • 2 domains 1 Modular - 1 legacy <ul style="list-style-type: none"> ◦ 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 	05.05.2022
136	AI Project	A	<ul style="list-style-type: none"> • 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 	09.06.2022
141	Demo instances for the interop use cases	A	<ul style="list-style-type: none"> • 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 	04.08.2022
147	Tanzania implementation	I	<ul style="list-style-type: none"> • integration into 2 HMS (afyacare & gothomis) and one accounting systems (muse) => done • Roll-out of modular version starting with pilot • 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 	04.08.2022
164	Roadmap	I	<ul style="list-style-type: none"> • 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 	04.08.2022
176	Video tutorials (Impl)	I	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 • New mobile app for enquiries under development • https://github.com/tinkertechnology/ • is in github repos from Tinkertechnology -> need to push to openIMIS • license? it's in the contract already 	09.06.2022
188	Extend to other Schemes (Product redesign) "Beyond Health"	A	<ul style="list-style-type: none"> • 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 	14.07.2022
190	Insuree self registration (general)	I	<ul style="list-style-type: none"> • fork Tinkersoft repos into openIMIS • reviews needed 	09.06.2022
193	Client self management Mobile App in Nepal	I	<ul style="list-style-type: none"> • fork Tinkersoft repos into openIMIS • reviews needed 	09.06.2022
204	Students	A	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 	28.07.2022
230	Security auditing	D	<ul style="list-style-type: none"> • new project: https://openimis.atlassian.net/wiki/spaces/OP/pages/3365076993/Project+Security+2022 	28.07.2022
234	Payment Layer	I	<ul style="list-style-type: none"> • 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 	04.08.2022
236	Nepal Claim FE integration into main	A	<ul style="list-style-type: none"> • Nepal rework the claim FE module to improve the layout • demo to implementers was done 	03.03.2022

			<ul style="list-style-type: none"> integrate code into develop branch through feature branches - by the end of May 	
239	GovStack	A	<ul style="list-style-type: none"> technical specification documents are ready for review: <ul style="list-style-type: none"> https://docs.google.com/document/d/18aJLgW4dlB89UMFVXBnrzpHwGLnmQpaoxUGVMxsoGUo/edit https://discourse.govstack.global/t/govstack-documents-and-resources/95 openMIS Integration: https://docs.google.com/presentation/d/1IZh5FQlqgmVkk7KU0ui8ETVaFawfsT-DFO8Zql6G-mU/edit#slide=id.p1 Demo: <ul style="list-style-type: none"> video instance relaunch monthly calls, GovStack needs to pick up next steps in openMIS integration will not start before end of August 	28.07.2022
243	Item/Service groups	I	<ul style="list-style-type: none"> 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 	04.08.2022
246	International Developers	A	<ul style="list-style-type: none"> How do we make the community compatible to 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 	14.07.2022
252	Toumai Community		<ul style="list-style-type: none"> Webinar organised the 21st on the guide for an openMIS focal point. Next will be to finalise a draft guidance and start translating it. Videos on the Module FHIR and the Focal point webinar will be on Youtube. It is awaiting presenters approval 	07.07.2022
260	Documentation management platform	D	<ul style="list-style-type: none"> docs.openimis.org (ReadTheDocs) openMIS Docs https://openimis.gitbook.io/installation-and-country-localization/ (GitBook) 	04.08.2022

			<ul style="list-style-type: none"> • need to standardize & improve module documentation (e.g. which repositories are involved?) • topic in co-ordination desk team meeting • #306 	
274	Default module configuration	A	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 - synch via USSD? • to check if this can be done via the new mobile solution 	19.05.2022
286	Mauritania Implementation	I	<ul style="list-style-type: none"> • ePayment implementation through Bankily mobile application in discussion 	16.12.2021
288	Implementer documentation	D	<ul style="list-style-type: none"> • 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 • #306 	04.08.2022
295	OpenMRS/BAHMNI FHIR		<ul style="list-style-type: none"> • 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 	14.07.2022
296	Cameroon Voucher Scheme	I	<ul style="list-style-type: none"> • bundle/package of services and items, and voucher number validation features to be developed by Y-Note #243 • UCPC MoH • main devs to be finished by end of August 	04.08.2022
300	Capitation function	A	<ul style="list-style-type: none"> • how to add calculation rule for capitation • also needs entry screen for attributes • standard feature or customization? • current TZ version is very exotic • new option: calculation rule that can be done in batch - available on release (part of "payment plan") (wip) 	28.04.2022
301	Split database user	A	<p>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</p>	03.03.2022
302	Locust.io	I	<ul style="list-style-type: none"> • For Performance testing, Blsq made a Locust script that can hammer the (GraphQL) API. It supports both legacy and modular logins. (not that easy) 	21.07.2022

			<ul style="list-style-type: none"> • The script will probably be in the openimis-be_py repo but it might become a full repo because it will evolve independently from releases • needs to be extended • create docu and integrate into : https://openimis.atlassian.net/wiki/spaces/OP/pages/2501804037/openIMIS+Testing+Scenarios • Other mechanism: https://github.com/openimis/openimis-be_py/tree/develop#to-get-profiler-report-debug-mode-only • also looking at REST API • wiki-doku: https://openimis.atlassian.net/wiki/spaces/OP/pages/3307175937/Stress+Performance+Testing 	
303	MARS Lab	A	<p>HS Mannheim software lab</p> <ul style="list-style-type: none"> • final presentation was today • https://openimis.atlassian.net/wiki/spaces/OP/pages/3241574401/Project+MARS+Software+Lab • two public presentation in Dev-DeepDive: last one today 	04.08.2022
304	dj module from oi modules	A	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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: https://openimis.atlassian.net/wiki/spaces/OP/pages/3304488961/Release+Closure+Checklist 	04.08.2022
311	Mobile Offline extracts	A	<ul style="list-style-type: none"> • 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 • See screenshot below 	04.08.2022
312	UI-Wording	D	<ul style="list-style-type: none"> • Who decides on wording in user-interfaces for the standard version? • address this question to implementers • Discuss: Who is responsible? 	21.07.2022
314	Public Presentation	A	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • structure migration done and working • list of stored procedures is updated: https://docs.google.com/spreadsheets/d/18XxbBsPXy 	04.08.2022

			Hrg7Enu7Bj02WpE1GilasINP1aMK6ECQcU/edit?usp=sharing	
316	The Gambia Implementation	A	<ul style="list-style-type: none"> New Implementation Current status: Waiting for actual start 	30.06.2022
317	Implementation in DRC	A	<ul style="list-style-type: none"> Onboarding of the Tech team in DRC 	14.07.2022
320	FHIR R5	A	<ul style="list-style-type: none"> Need to discuss when to move to FHIR5? can this be funded through Digital Square? 	04.08.2022
321	Compatibility with other DB systems	I	<ul style="list-style-type: none"> 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) 	21.07.2022
322	UI Translation	A	<ul style="list-style-type: none"> 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 	28.07.2022
323	Digital Square EOI	I	<ul style="list-style-type: none"> digital Square is enrolling digital entrepreneurs from Africa: https://openimis.atlassian.net/wiki/spaces/OP/pages/3369172993/Digital+Square+-+Digital+Entrepreneurs+i+n+Africa 	28.07.2022
324	OpenHIE Conference	A	<ul style="list-style-type: none"> Request to propose unconference sessions https://metroretro.io/board/LBGVNMS3TH57 	04.08.2022
325	FHIR R4 to R4B	A	should we upgrade FHIR R4 from 4.0.1 to 4.3.0?	04.08.2022
326	Publication to FHIR IG registry	A	<ul style="list-style-type: none"> Publication to FHIR IG registry http://fhir.org/guides/registry/ http://registry.fhir.org 	04.08.2022

Extracts screenshot:

The screenshot displays the openIMIS web application interface. At the top, there is a navigation bar with the openIMIS logo and several menu items: 'Insurees and Policies', 'Claims', 'Administration', 'Tools', and 'Profile'. Below the navigation bar, there is a search bar with the text 'Insuree enquiry...' and a help icon. The main content area is divided into several sections, each with a 'DOWNLOAD' or 'UPLOAD' button. The sections are: 'Download Master Data', 'Download Data for Officer' (with a dropdown menu for 'Select Officer' showing 'off1 Onnicer1 Officer1'), 'Upload Claims', 'Upload Enrollments', 'Upload Feedbacks', and 'Upload Renewals'. Each section has a 'Browse...' button and a 'No file selected.' message. The interface is clean and modern, with a teal color scheme.

Deep Dive Topics:

- 2022-07-28 - Documentation platform
- 04th of August: MARS Technical presentation
- Definition of Modules & Hierarchy
- Semantic versioning
- Database compatibility

- DHIS2 integration demo - Hiren (Swiss TPH)
- Mobile applications & API migration to modular
- OpenHIE Health Financing toward UHC - workflows