

openimis Developers Committee Minutes

Title	Developers Committee Meeting	Date	13.07.2023				
Location	https://meet.jit.si/openIMISDeve	Time	09:00 UTC				
Meeting called by	openIMIS Initiative	Weekly Call					
Facilitator	All	Note taker	All				
Distribution list	openimis-developers-committee@googlegroups.com; openimis-implementers-committee@googlegroups.com;						
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 active - DEZA is signalling willingness to adapt new comment from the lawyer 	13.07.2023		
59	DHIS2 Integration	I	 Demo DHIS2: https://dhis2etl.s1.openimis.org (can be linked to Demo-data) Dataset could be used instead of program https://openimis.atlassian.net/wiki/spaces/OP/pages/1484423230/Report+queries+for+SSRS+dataset	13.07.2023		
105	List of modules	D	 JLN: https://openimis.atlassian.net/wxiki/spaces/OP/pages/80760021 9/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/94542234 5/JLN+Process+-+OpenIMIS+Mapping started restructuring of documentation #306 update of Tomai session needed: https://openimis.atlassian.net/wiki/spaces/OP/pages/32802406 41/Webinar+openIMIS+pour+I+Assurance+maladie+L+approchehodulaire+-+15.03.2022 new graphical overview: 	25.05.2023		
127	Publish AAB/APK on Gplay	А		09.02.2023		

135	Migration Support Nepal		 issue on Android 13? Migration needs some adaptations first https://openimis.atlassian.net/wiki/spaces/OP/pages/34605629 45/Customize+and+setup+the+modular+version+of+openIMIS +for+Health+Insurance+Board+requirements+in+Nepal project page: https://openimis.atlassian.net/wiki/spaces/OP/pages/35331440 65/Project+Modular+Migration+Nepal issue with Nepal calendar - compare DHIS2 solution: 	29.06.2023
136	Al Project	' '	 https://ui.dhis2.nu/components/calendar/#nepali-calendar openIMIS AI-based Claim Adjudication presentation in an internal ISSA webinar (170 participants) working on random test data items & services work well Nepal student interested in thesis, might not get approval to use the NP data 	13.07.2023
147	Tanzania implementation	W	reach out to DCI Kubernete deployment will be checked Bulk family payment in pipeline => requires GePG integration migration Migration plan set up for TZ from February until end of June	13.07.2023
164	Roadmap	1 •	Old roadmap documents need updating e.g. for the new tender processes #167. https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/ Product+Roadmap	25.05.2023
176	Video tutorials		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 older installation video from NP new implementation video https://youtu.be/q12uO3OixOw	16.03.2023
190	Insuree self registration (general)		 new integration to foresee with payment gateway, use case for the payment modules? https://dev.s1.openimis.org/api/self_registration/temp_insuree_r_eg/? Can Nepal devs support on OTP based via email? published in 23-04 Release without testing (no testcases) new developments in planning 	13.07.2023
193	Client self management Mobile App in Nepal	,	 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) migration to FHIR https://github.com/openimis/mobile-self_registration_flutter not in 2023-04 - need to check DB changes for next release 	13.07.2023

60 i	01 1 1			
204	Students		 Can we recruit students for a thesis? Page to be created with possible thesis topics MARS Lab of Mannheim will offer openIMIS for next semester but only as one optional topic among others Al student from NP - introduction was done yesterday 	13.07.2023
208	Developer Workshop		 What about a Dev Workshop in January? Rather later in person (Nepal) Intermediate sessions as needed (Kickoff for new T3 project: 04.01.) Preferences: Thailand, Kenya issue was raised during community meeting in CM 	15.06.2023
223	Testing Scenarios		 https://openimis.atlassian.net/wiki/spaces/OP/pages/30006640 81/Test+cases+overview SolDevelo plugin for test case management: https://www.soldevelo.com/products/jiratestmanagement/ test cases needed for Nepal contributions (portal etc) Installation tests to be listed here: https://openimis.atlassian.net/wiki/spaces/OP/pages/30010573 22/4.+Installation+test Example for installation test: https://openimis.atlassian.net/wiki/spaces/OP/pages/347019 6759/Test+Install+openIMIS+on+Windows+10+Windows+11 +with+Docker+Desktop trying out jira test-features For important business that need to be covered by test cases, please contact Hiren/SwissTPH KeHIA was onboarded into testing procedures create test cases for the CORE-MIS features 	06.07.2023
230	Security auditing		 new project: https://openimis.atlassian.net/wiki/spaces/OP/pages/33650769 93/Project+Security+2022 Do we need CSRF token on graphql ? should they be bound to some mutation ? https://portswigger.net/web-security/csrf/preventing (for traditional HTML pages) https://checkmarx.com/blog/whats-old-becomes-new-again-csrf-attacks-on-graphql-apis/ (for graphql APIs) security advisors from PATH advise to NOT publish security guidelines Need to summarise security activities in the wiki 	06.07.2023
239	GovStack	A	 openIMIS Integration: https://docs.google.com/presentation/d/1IZh5FQIqgmVkk7KU0 ui8ETVaFawfsT-DFO8ZqI6G-mU/edit#slide=id.p1 https://govstack-global.atlassian.net/wiki/spaces/GH/overview compliance evaluation for openimis started:	06.07.2023
246	International Developers	A	 How do we make the community compatible with other language groups at all levels? developers coffee table session (e.g. once in two weeks/ one per month) - same timeslot as gumzo this weeks call with participants from CM and BF #252 	13.07.2023

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 not yet decided if it should simply be replaced by AI module 	13.07.2023
250	Performance test (Modular) on big data set	Α	 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 automatically create data set - functionality already in openIMIS - script from BISq is available (https://openimis.atlassian.net/wiki/spaces/OP/pages/35114188 84/Data+generation) o function not found error -> needs to pull from develop branch STPH released a script to development - doku needed count performance #358 	29.06.2023
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 group: https://groups.google.com/g/openimis-toumai-new candidate has to be contracted 	16.03.2023
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 https://openimis.atlassian.net/wiki/spaces/OP/pages/3463315457 /2022-11-17+Developers+Deep+Dive+Call was a topic in community meeting: https://openimis.atlassian.net/wiki/spaces/OP/pages/3552477204 /Session+IV+Documentation+formats+platforms+sustaining+and +sharing+knowledge 	29.06.2023
274	Default module configuration	Α	 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)	1	 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 # 343 	09.02.2023
286	Mauritania Implementation	Ι	 https://openimis.atlassian.net/wiki/spaces/OP/pages/3533144081 /Project+Customization+Mauretania 	15.06.2023
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 	29.06.2023

			through tender 2?#306	
			 https://openimis.atlassian.net/wiki/spaces/OP/pages/3575382022 	
			/Core+Module	
295	OpenMRS/BA HMNI 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 - work in progress to migrate synchronise with Possible Health implementation FHIR4: there were updates in the BAHMNI packages FHIR5: #320 installation scripts from 2019 are difficult and specific the Possible Health Project FHIR update to FHIR4 in OpenMRS done, but no claims Presentation to be held by GIZ NP in Sydney (MedInfo) 	20.04.2023
296	Cameroon	I	https://openimis.atlassian.net/wiki/spaces/OP/pages/3472621589	
	Voucher Scheme		 /Project%3A+Customization+Cameroon bundle/package of services and items, and voucher number validation features was developed by Y-Note #243 UCPC MoH integration to main branch needed (PR needs to be fixed) claim valuation has issues related to demrem calculations 	29.06.2023
301	Split database user	А	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	А	 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/32765050 89/Documentation+QA+Activities+2022 Wiki-structure: https://openimis.atlassian.net/wiki/spaces/OP/pages/32909230 09/Wiki+Target+Structure+Draft New focus on installation guide https://openimis.atlassian.net/wiki/spaces/OP/pages/33044889 61/Documentation+Taskforce documentation platform #260 Harmonizing openIMIS descriptions ->	22.06.2023
311	Mobile Offline extracts	А	Mobile app extracts and imports are necessary (and missing) • UI integration is needed	29.06.2023
312	UI-Wording	D	Automated translation done with verification (on all terms extracted)	13.07.2023

			Who decides on wording in user-interfaces for the standard	
			version?	
			 address this question to implementers make it part of the UAT - especially French version 	
			STPH Tender2 reviewed frontend terms	
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 should be used exclusively - create ticket 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 DB management done through Django from now on will allow for easier DB migration without SQL scripts Tinkersoft seems to have migrated to Oracle for SSF - any 	13.07.2023
316	The Gambia	Α	news? https://openimis.atlassian.net/wiki/spaces/OP/pages/3477110785	
			 /Project%3A+Customization+The+Gambia decision for OpenClinics GA https://sourceforge.net/projects/open-clinic/ 	
			 will provide FHIR integration - another interoperability example for us demo on CRVS <u>HERA</u> integration - are the APIs openly 	13.07.2023
			documented? Based on https://github.com/SecureIdentityAlliance/osia	
			 A lot of things are not ready yet but Gambia wants to start ASAP, even if incomplete ePayment integration for contribution payment Pilot start 12-Jul-2023 	
317	Implementation	Α		
	in DRC		 one configuration issue being discussed (waiting period) next: migration to modular version 	22.06.2023
320	FHIR R5	A	 Can this be funded through Digital Square? could be part of an implementation project official release done could be a student project / estimation of days needed update in claims: field for scheme not mandatory any more https://futils.meis.io/ 	13.07.2023
326	Publication to FHIR IG	Α	http://registry.fhir.org	25.05.2023
328	registry Sandbox	ı	 needs to be done to enable the NP and TZ extension https://openimis.atlassian.net/wiki/spaces/OP/pages/3219128428 	
		ı	/Sandbox+Landscape default: postgres, additional option MSSQL on release server MSSQL still required for the mobile App Demo → PSQL Release → MSSQL + Mobile backend DHIS2 demo needed (just data no ETL) where are the resources from the HISP India project - especially data are needed	09.02.2023
329	openIMIS implementation for IDP in cameroon	I	 https://openimis.atlassian.net/wiki/spaces/OP/pages/3472621589 /Project+Customization+Cameroon Insurance scheme like Voucher scheme with scoring system Bonus and penalties 	13.07.2023

				1
			 curation/filter for potential beneficiaries multi provider mechanism is needed: different providers, same invoicing channel went live on Monday 	
332	PBF link	I	BlueSquare is looking at the link between openIMIS and results based finance - in pilot phase - documentation will be shared later -> wikipage - Cameroon project PoC not possible because HIV openIMIS instance is still Legacy. New contract is signed by STPH to migrate to modular and include this connection	25.05.2023
335	IHE profiles	А	 Approach IHE to propose OpenHIE standards as IHE profile board meeting last Tuesday - next milestone in March next activity: look for IHE experts pull in GIZ expert - will join next FISh call new contact US Gravity project - they will join the OpenHIE call today 	13.07.2023
337	login case sensitivity		 postgres is case sensitive for login names, mssql isn't We can make it case insensitive but we have to be careful if people create a "admin" user when the actual one is Admin. PR made, strange Cl errors by "django-nose" django-nose was removed and should cause a problem any more 	06.07.2023
339	Installation	A	 can we move to docker compose 3.8? swarms, secrets some option are not supported (see warning if 3.X is used) but nothing seems blocking move to 3.8: yes, but needs review - didn't work rework of the docker Move to docker 3 merge dist_dkr be assembly Changes need to be tested on standard platforms (linux) and windows and documented in Installation Guide Implications of having the docker compose versioned in be assembly need to be considered option for additional cloud init file: https://openimis.atlassian.net/wiki/spaces/OP/pages/3510730757 /deploying+with+docker+and+cloud-init Installation script from NP: change docker compose to create images via npm 	23.03.2023
341	Impact Evaluation NP	I	 STPH gained funds from WHO to do impact evaluation in Nepal preparation has started, results by end of April consultant is identified & contracted indicators and costs evaluation in progress 	20.04.2023
342	BI Architecture	I	 Integrate elastic search or as part of an attached FHIR server indexation issue rebuild time needs a lot of Ram (in memory approach) Metabase? issue with weird OI db structure plan deep dive on Soldevelo ADX solution https://github.com/openimis/openimis-be-dhis2_etl_py/blob/chad-indicator/dhis2_etl/services/adx-indicator.py#L362 Experimenting with Apache Doris as an aggregator 	06.07.2023
350	Multi scheme provider / tenants		 Multi scheme provider vs. true multi tenancy Which data boundaries are needed? use cases coming up in CM and DRC https://openimis.atlassian.net/wiki/spaces/OP/pages/2387083274/ldea+Separation+of+Target+Groups+Multi-tenancy 	09.03.2023

	1		https://propriets-all-self-self-self-self-self-self-self-se	<u> </u>
			 https://openimis.atlassian.net/wiki/spaces/OP/pages/3522461697 /Idea+Multi-programmes 	
353	CORE MIS		 https://openimis.atlassian.net/wiki/spaces/OP/pages/3531407380 /Project+2022.T3+CORE-MIS+Merger first sprint: beneficiaries & households weekly deep dives every Tuesday at 15:00 CET open it up for all developers task module ETL module through OpenFN need to better harmonise new features / processes / structures with existing ones 	29.06.2023
354	Time quantity	А	for plan (enrolment and payment) but also for policy duration; a time quantity could be useful: How openIMIS should manage time quantity BE/FE (e.g. monthly, period ,)	09.03.2023
355	AI Summit	I	2023-07-06 to 2023-07-07 Al for Good Global Summit no specific take-aways for openIMIS - mainly robotics and product promotion, very few health links	13.07.2023
357	caching balance	A	 provide a mechanism to increase the performance to calculate the balance per insuree - currently full table scans: ldea from nepal mission: create a cache_balance table with those columns balance (actually approved) provisional (submitted claim) temporary (draft claim) https://openimis.atlassian.net/wiki/spaces/OP/pages/3542286337/B enefit+consumption+module+Enquire 	13.07.2023
359	Items and service UI		Missing entries - mask that cannot match to any insuree should not be saved : if none select for a specific concern then applicability for all should be saved for that concerns - 1 mask when we might need 1 mask per concern - Sex - Age group - issue for quick fix	22.06.2023
361	Review technology to fulfil evergreen idea	I	https://openimis.atlassian.net/browse/OP-1372 #368 - decisions may eliminate some points	22.06.2023
363	Product determination stage	I	When we create a claim, the items and services are not assigned to a product until the claim is submitted and validation passed. Consequences: • the Health Facility cannot know the deductible • some report might hide some claims Claim predetermination to have valuation of the claim without saving in DB • Incubator: https://openimis.atlassian.net/wiki/spaces/OP/pages/35785277 47/Product+determination+stage	22.06.2023
364	New enrollment/Enq uiry App HIB	D	 HIB has developed a new Mobile Application Contracted Tinker Technology Already in Play Store can we integrate this into the main release? 	25.05.2023
365	Version tracks	А	 Fixes are coming for the release CORE-MIS will be changing deeply LTS vs development => features go to which branch merging of branches is out of synch - clean up 	06.07.2023

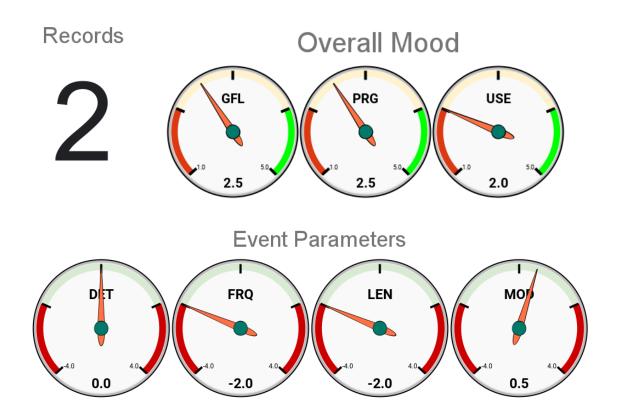
			 don't merge pull requests from DEV to DEMO/RELEASE 	
366	SSF ERP NP		set up deep dive to discuss new features	15.06.2023
368	Server Side Rendering	Α	 Deepdive: https://openimis.atlassian.net/wiki/spaces/OP/pages/35577528 33/2023-05-25+Developers+Deep+Dive+Call need to discuss this again after SolDevelo does the first changes - another deep dive next week #361 - impact on migration scenarios wait for budget 	06.07.2023
369	Claim automation	Α	review process	15.06.2023
370	Change way settings are loaded	Α	https://github.com/openimis/openimis-be_py/pull/95/files useful to add scheduled tasks in settings eg. policy renewal changes were done, checking on integration	13.07.2023
373	GIZ Intern	Ι	 https://jobs.giz.de/index.php?ac=jobad&id=68534 	06.07.2023
375	Depreciation WS	Α	 we need an regular (e.g. annual) depreciation workshop to review obsolete functionalities and objects 	13.07.2023

Deep Dive Topics:

- 2023-07-20:
 - data model changes for CORE-MIS migration
- 2023-07-13:
 - Server Side rendering (SolDevelo)
- 2023-07-06:
 - DHIS2 integration demo Hiren/Patrick (Swiss TPH)
 - o CORE-MIS Integration technical change log (SolDevelo)
- 2023-06-29: Change way settings are loaded #370
- 2023-06-22:
 - FHIR APIs for mobile APP
 - o interoperability roadmap
 - GovStack Testing Harness
- 2023-05-25: Server Side Rendering
- 2023-04-20: Review technology to fulfil evergreen idea
- 2023-03-23: Discuss best practices for customising openIMIS without breaking the core
- approach for front-end testing
- new workflow engine / task engine
- anonymization in HIV scheme
- Multi scheme providers
- Kubernetes vs. Docker
- Payment Layer use-case
- Semantic versioning
- Mobile applications & API migration to modular
- Database compatibility
- OpenHIE Health Financing toward UHC workflows
- Remodelling Products & Coverage (Benefit package):

https://openimis.atlassian.net/wiki/spaces/OP/pages/3463577606/Product+refactoring

Meeting evaluation:



Legend:

Overall mood (status):

GFL: General feeling about the meeting [very disappointed ... very glad]

PRG: General feeling about project progress (own project) [big trouble ... great success]

USE: Usefulness of the meeting (for own project) [not at all ... very much]

Event parameters of the meeting (XYZ needs to be ...):

DET: Degree of detail [more condensed ... more detailed]

FRQ: Frequency of the event [fewer ... more]
LEN: Length of the event [shorter ... longer]
MOD: Moderation [stricter ... more open]