openIMIS Developers Committee Minutes

Title	Developers Committee Meeting		Date	2024-02-01
Location	https://meet.jit.si/openIMISDevelopers		Time	09:00 UTC
Meeting called by	openIMIS Initiative		Type of meeting	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	● http://www.apache.org/licenses/LICENSE-2.0 needed for the HTTP Client mobile app (Point 4 - Redistribution) ● new comment from the lawyer on copyleft - put it up on the wiki ● new task: analyse CORE-MIS dependencies ● signature with WB done for CORE-MIS part	2024-02-01
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 ● need to integrate the CORE-MIS Module structure	2024-02-01
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	09.02.2023

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			● issue on Android 13?	
135	Migration Support Nepal	A	● 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 ● project page: https://openimis.atlassian.net/wiki/spaces/OP/pages/3533144065/Project+Modular+Migration+Nepal ● hand over workshop end of February ● performance issues with some Django generated queries - solved - faster than legacy version now ● still need load testing - most issues resolved, waiting for hardware upgrade ● will be extended until end of March ● WS in second week of March	25.01.2024
136	AI Project	A	● 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 ● presentation was done at AEHIN - interest for the AI module as standalone was expressed by several countries: ● GIZ internal presentation next month ● BMZ indicated interest in AI projects ● look at implementation scenarios in NP without dependency on the migration project	2024-02-01
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 ● start writing up items for draft ● https://asiaehealthinformationnetwork.org/aehingm2023/presentations/	27.07.2023
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 ● older installation video from NP ● new implementation video https://youtu.be/q12uO3OixOw ● request to have tutorial on step by step setup	02.11.2023

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190	Insuree self registration (general)	I	- 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? - published in 23-04 Release without testing (no testcases) - HIB wants to launch mid January	2024-02-01
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) - migration to FHIR - https://github.com/openimis/mobile-self_registration_flutter - not in 2023-10 - need to check DB changes for next release , STPH is checking for 2024-04 - new features planned	2024-02-01
204	Students	A	- Can we recruit students for a thesis? - Page to be created with possible thesis topics - new connection GMDS - to build networks in health informatics - new working group officially approved - #405 - Indian students?	2024-02-01
208	Developer Workshop	D	- Rather later in person (Nepal) - Preferences: Thailand, Kenya, Turkey - January (22.01 - 26.01.2024) - reduced dev-workshop in Eschborn - was be CORE-MIS specific with an optional virtual session for everyone - https://openimis.atlassian.net/wiki/spaces/OP/pages/3670638593/2024-01-22+-+2024-01-26+openIMIS+CORE-MIS+Developers+Workshop	2024-02-01
223	Testing Scenarios	D	- https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview - test cases needed for Nepal contributions (portal etc) - Installation tests to be listed here: https://openimis.atlassian.net/wiki/spaces/OP/pages/3001057322/4.+Installation+test - Example for installation test: https://openimis.atlassian.net/wiki/spaces/OP/pages/3470196759/Test+Install+openIMIS+on+Windows+10+Windows+11+with+Docker+Desktop - need documentation of previous testing activities - need to generate a new unit test case for each new graphql query (developer)	2024-02-01

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			- need to generate a new unit test case per bug (developer) - all tests (including integration test from CORS-MIS) will be done on testlink (summary-) report on test results after each test cycle	
230	Security auditing	D	- new project: https://openimis.atlassian.net/wiki/spaces/OP/pages/3365076993/Project+Security+2022 - summarising security activities in the wiki: https://openimis.atlassian.net/wiki/spaces/OP/pages/3586523137/Theme+Security - Master's thesis wil be done on penetration testing of the last release	21.12.2023
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 - we might be able to onboard developers from DATAPREV from Brazil - they will start in an implementation project in Haiti	25.01.2024
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 - deep dive after migration in NP was done - will be ready by the end of the month - will include new tasks feature	07.12.2023
250	Performance test (Modular) on big data set	A	- https://s2.openimis.org/front/home - STPH released a script to development - doku needed - count performance #358 - new issues in Nepal implementation - Soldevelo is doing a performance report: -> Sandboxing - Performance report prepared by SolDevelo - Cameroon is also seeing issues	2024-02-01
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	14.09.2023

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260	Documentation management t 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 ● New intern will work on test version in the wiki: https://openimis.atlassian.net/wiki/spaces/SB/pages/3622502401/openIMIS+Documentation+readthedocs ● prototype in workshop	25.01.2024
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 ● !!! Please update readme.md once you added another module configuration option !!! ● - > include into developer onboarding	2024-02-01
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 ● # 343 ● new FHIR version because of the mobile apps migration also provided the basis for ID management for off-line servers	30.11.2023
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 ● through tender 2?	21.12.2023

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			#306 - https://openimis.atlassian.net/wiki/spaces/OP/pages/3575382022/Core+Module - read.me files in github are not up to date for most modules e.g. configuration options - localisation pages are only for the legacy version - need urgent updates	
301	Split database user	A	General page on access https://openimis.atlassian.net/wiki/spaces/OP/pages/3530162177/Access+management 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 what was this about:	25.01.2024
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 - https://github.com/openimis/openimis-be_py/pull/162 - done, waiting for integration, planned fo 2024-04	25.01.2024
306	Documentati on 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 - List of Wiki maintenance tasks - https://openimis.atlassian.net/wiki/spaces/OP/pages/3481993288/Wiki+Maintenance - Update on security measures: https://openimis.atlassian.net/wiki/spaces/OP/pages/3586523137/Theme+Security	18.04.2024
316	The Gambia	A	- https://openimis.atlassian.net/wiki/spaces/OP/pages/3477110785/Project%3A+Customization+The+Gambia - ePayment integration for contribution payment - Pilot started 12-Jul-2023 - Features asked:	07.12.2023

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			○ idle log out #378 ○ claim number automatic generation -> Nepal (with specific format) https://openimis.atlassian.net/browse/ONI-62 ○ activating/deactivating a user? #379 ○ decimal prices in product configuration? #380 ● Digital Convergence Initiative is interested to link up to the CRVS integration	
321	Compatibility with other DB systems	I	● openIMIS is most likely not able to take over Support for non-PostgreSQL ● 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 news? - Results were presented in the last deep dive	18.01.2024
328	Sandbox	I	● https://openimis.atlassian.net/wiki/spaces/OP/pages/3219128428/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 ● there might be a new Tender for maintenance of the sandbox ● will be harmonized with DCI sandboxing	05.10.2023
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 - removed from the project scope altogether	05.10.2023
335	IHE profiles	A	● 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	21.12.2023

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			● new contact US Gravity project - they joined the last OpenHIE call ● maybe through the WHO SMART guidelines	
339	Installation	A	● https://openimis.atlassian.net/wiki/spaces/OP/pages/2782232596/Server+config ● please do installation test whenever possible and document: https://openimis.atlassian.net/wiki/spaces/OP/pages/3001057322/4.+Installation+test ● Intern managed to install 2023-10 on Ubuntu VM ● successfully installed on a Apple AMD computer without the Lightining Add On	2024-02-01
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 ● 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 ● open-search looks like a good alternative	25.01.2024
353	CORE MIS		● https://openimis.atlassian.net/wiki/spaces/OP/pages/3682566145 ● weekly deep dives every Tuesday at 15:00 CET ● working on roadmap & gap analysis ● second sprint (11) ongoing - mostly deduplication ● developers workshop done with a few hacks and new scoping discussion ● development until end of February will focus on a very essential business flow along the delivery chain	2024-02-01
354	Time quantity	A	● 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 ,...) ● UCUM = FHIR standard for quantifying time https://ucum.org ● Incubator page:	25.01.2024
364	New enrollment/Enquiry 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? ● github-repos? ● demo session? in deep dive next year	2024-02-01
366	SSF ERP NP		● set up deep dive to discuss new features ● still wanting to do so	2024-02-01

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370	Change way settings are loaded	A	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 ● in standby until all CI issues are fixed	25.01.2024
375	Depreciation Workshop	A	● we need an regular (e.g. annual) depreciation workshop to review obsolete functionalities and objects ● part of developers workshop #208 ● let's start with a wiki page on proposed depreciation cases	2024-02-01
376	Migration from CRA to Vite	A	● We need to migrate our frontend modules from CRA to Vite. ● This will be the first step for other updates (connected to #361). https://openimis.atlassian.net/wiki/spaces/OP/pages/edit-v2/3581542401 ● first tests done - most work has to be done in the backend proxy code ● https://openimis.atlassian.net/browse/OP-1372 - fullfill evergreen idea ticket ● https://openimis.atlassian.net/browse/OP-1501 - vite migration epic ● work has started - targeting R2024-10	25.01.2024
385	Update mobile apps		Claims: ● In testing ● not working out of the box Policies: ● policy app: https://github.com/openimis/policies_android_app_java/suites/18627739348/artifacts/1083068965 - file in demoRelease/debug ● needs testing	2024-02-01
389	Search particular object in history	A	● coming form the CORE-MIS project ● To be implemented for the businessHistoryModel ● needs more requirements gathering ● incubator page:	12.10.2023
392	Age limitations Cameroon	D	● How to check based on age. ● Under Product configuration? ● Contribution on Product Services/Items. ● starts next week- about to finish ● done - PR needs to be done	25.01.2024
397	Matching Funds		● Seems no implementation is using this feature ● Impacts the performance on beneficiary management ● done - contribution is now in a separate table ● https://openimis.atlassian.net/browse/OP-1796	2024-02-01

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399	Async Mutations		● The openIMIS mutations were made asynchronous from the start because of the slow response times reported but were actually an overengineering (easy to say after the facts) ● We added a system to link mutations to the created object, not used everywhere yet ● PolicyHolder is using a generic mutation system that doesn't use this system => annoying ● Options: ○ Try to support created id in the policyholder and elsewhere ○ Add support for direct calls that respond synchronously	02.11.2023
405	Security and performance testing		- https://openimis.atlassian.net/wiki/spaces/OP/pages/3622109187/OWASP+Requiremnets - https://openimis.atlassian.net/wiki/spaces/OP/pages/3622240259/OWASP+Compliance+Report - penetration testing of 2023-10 as student contribution - start: 2024-02-01	2024-02-01
406	Custom functionalities	A	● https://openimis.atlassian.net/wiki/spaces/OP/pages/3633938447/Custom+openIMIS+Functionalities ● how to make this more visible? e.g. part of project on-boarding	2024-02-01
407	OpenLMIS Integration	I	● Interest to be implemented in Cameroon in two phases: 1. implementation of OpenLMIS; 2. Integration OpenLMIS-openIMIS ● Waiting for contact from WHO ● There is a small working group in DH-I on supply chain - will see how	11.01.2024
408	caniuse	i	page to check on browser compatibilities: https://caniuse.com/view-transitions ● suggestion: use this page whenever you plan to add new js technology - allow a one-year window before adding new features ● how can we integrate tests of different browser versions during UAT? ● Add feature to gather user data, so called "agent sniffing"- https://www.npmjs.com/package/react-device-detect ● can we gather user data on browser usage? ● technically easy, but legally challenging ● maybe as feature for on-site collection if activated	2024-02-01
409	C4GT	I	● "Indian Summer of Code": https://www.codeforgovtech.in/ ● create incubator page ala Google Summer of Code	2024-02-01

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410	HCX	I	● Indian Claims Exchange standard ● https://swasthalliance.org/health-claims-exchange.html ● invite for next OpenHIE call	2024-02-01
411	.github	I	● front-page ● discussion forum	2024-02-01

Deep Dive Topics (Please create a deep dive wiki page and keep minutes there):
- Enrollment App from Nepal (Purushottam-ji)
- 2024-02-15:
    - Soldevelo: secondary calendars
    - Claim Code Autogeneration
- 2024-02-08: Kobo Toolbox integration example from Cameroon
- 2024-01-18:
    - Workshop logistics
- 2023-12-07:
- 2023-11-30: BI-Solution Overview Part 2
- 2023-11-23: Query performance workshop / tutorial
- 2023-11-16:
    - CORE-MIS technical presentation (SolDevelo)
- 2023-11-09:
    - BI-Solution Overview
- 2023-10-12:
    - Prepare Cameroonian topics (26.10)
    - Test results form Soldevlos code review
- 2023-10-05:
    - performance improvements (SolDevelo)
    - quality gate (SolDevelo)
- 2023-09-21:
    - Oracle migration in NP
- 2023-09-14:
    - CORE-MIS adapted modules
- 2023-09-07: (cancelled)
- 2023-08-31:
    - Calendar management
    - Enquiring performance
- 2023-08-24:
    - explanation of history model
- 2023-08-17:
    - DCI presentation of interoperability standards for CRVS interaction
- 2023-08-10: - cancelled
- 2023-08-03: - cancelled
- 2023-07-27: - cancelled
- 2023-07-20:
    - data model changes for CORE-MIS migration
    - approach for front-end testing
- 2023-07-13:
    - Server Side rendering (SolDevelo)
- 2023-07-06:
    - DHIS2 integration demo - Hiren/Patrick (Swiss TPH)
    - CORE-MIS - Integration - technical change log (SolDevelo)
- 2023-06-29: Change way settings are loaded #370
- 2023-06-22:
    - FHIR APIs for mobile APP

- - 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
  - 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):

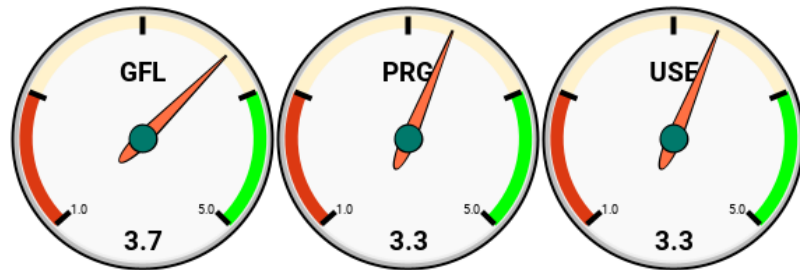https://openimis.atlassian.net/wiki/spaces/OP/pages/3463577606/Product+refactoring

- - New features from SSF Nepal
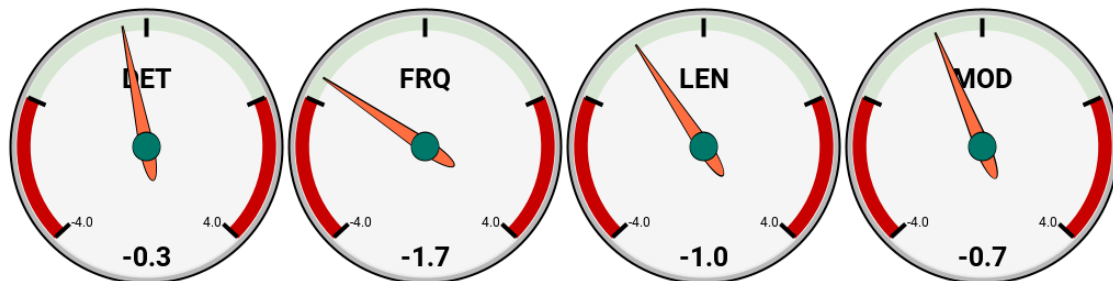
Meeting evaluation:

Records

3

Overall Mood

GFL	PRG	USE
3.7	3.3	3.3

Event Parameters

DET	FRQ	LEN	MOD
-0.3	-1.7	-1.0	-0.7

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]