

open**IMIS Developers Committee Minutes**

Title		Deve	lopers Committee Meeting		Date		19.05.2022
Location		https://meet.jit.si/openIMISDevelopers Time			08:00 UCT		
Meet	ing called by			Weekl	y Call		
	itator	All		Note taker	All	<i>, , , , , , , , , ,</i>	
					7		
#	Item		Discussion			Wh?	Date
			A: Action, C: Confidential, D: Decis	ion, I: Information, W: Warni	ng	-	
19	AGPL V3 License	W	 Will there be a problem security-related code be clause? https://openimis.atlassia /40566798/Licenses German lawyer sent pro DEZA reaction DEZA still proposed http://www.apache.org// needed for the HTTP C Redistribution) 	ecause of the copy-left an.net/wiki/spaces/OP/ eliminary report, waitin s Bern clause licenses/LICENSE-2.0	pages g for		23.03.2022
59	DHIS2 Integration	Ι	 Demo DHIS2: <u>https://dh</u> Release DHIS2: Dataset could be used i <u>https://openimis.atlassia</u> <u>1484423230/Report+qu</u> to be checked: <u>Program</u> ADX file support to be s demo up again, but emp PATH session on FHIR A 	nstead of program an.net/wiki/spaces/OP/ eries+for+SSRS+data Dataset Connector (F upported ? oty	set		19.05.2022
92	openHIM	1	 OpenHIM sandbox serve https:openhim.s1.openin propositions from OHIE FHIR) <u>https://openimis.atlassia</u> many mediators from He 	er: nis.org : Workforce (would nee an.net/browse/OP-452	ed		05.05.2022
105	List of modules	D	 JLN: https://openimis.atlassian /807600219/Background +for+UHC https://openimis.atlassian 589561955/openIMIS+P Discussion at openHIE: of front end level of "module aspect mapping to be reviewed action needed for neareleases & roadmap support from Tender Mapping openIMIS-JLN https://openimis.atlassian 945422345/JLN+Proces Toumai consultant is reviewed 	I+-+Joint+Learning+Ne n.net/wiki/spaces/OP/p lugins disconnect technical a es" - FE=JLN, BE=tecl - w developments and 2 contract started: an.net/wiki/spaces/OP/ ss+-+OpenIMIS+Mapp	<u>etwork</u> pages/ nd nnical		21.04.2022

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127	Publish	• • •	scan JLN processes for additional OpenHIE workflows 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 Policies Demo Mobile App on Google Play		
	AAB/APK on Gplay	•	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 o file access was rejected by Google, needs rework Eric added a <u>GitHub action</u> to build APK and AAB. Installing the APK Eric: From Aug 1, 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.		05.05.2022
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 		05.05.2022
136	Al 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		12.05.2022
137	E0 openIMIS Shelf Readiness	•	https://openimis.atlassian.net/wiki/spaces/OP/pages/ 2915762181/Project+E0+openIMIS+Shelf+Readines § Demo after Release 22-04.		12.05.2022
141	Demo instances for the interop use cases	A •	Demo instances of OpenMRS, Bahmni and DHIS2 integrations: <u>https://openimis.atlassian.net/wiki/space</u> <u>s/OP/pages/3219128428/Sandbox+Landscape</u> BAHMNI-Docker under revision -> in T1 MojaLoop is wip with help from modusbox, MIFOS is installed and configured openHIM is installed and configured		05.05.2022
147	Tanzania implementation		National Rollout for e-payment ongoing, UAT ongoing Policy Notification module to send SMS for activate, renew, expiry installed in production Insuree card with QR codes will be developed soon Payment module rolled out nationally (on REST API) integration into 2 HMS (afyacare & gothomis) and one accounting systems (muse) Insuree self-renewal through USSD Bulk payment of policies to be developed Roll-out of modular version starting with pilot REST API starts to show issues under big loads		28.04.2022
164	Roadmap	•	Old roadmap documents need updating e.g. for the new tender processes #167.		07.04.2022

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176	Video tutorials (Impl)	1	 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 ? Phase out of legacy version was communicated, now implementation projects have to analyse what needs to be done on their side Session 1 - openIMIS Legacy Web Application Session 2 - openIMIS Legacy Web Application Localization Session 1 Q&A session linked in the wiki Session 3 might have to be postponed to avail time for maintenance Developer videos subtitled to French 	12.05.2022
			<u>https://openimis.gitbook.io/installation-and-country-lo</u> calization/	
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 New mobile app for enquiries under development https://github.com/tinkertechnology/ is in github repos from Tinkertechnology -> need to push to openIMIS license? its in the contract already 	12.05.2022
188	Extend to other Schemes (Product redesign) "Beyond Health"	А	 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+ne eds channel this through Conversion Initiative (DCI) make this a target for next project phase 	12.05.2022
190	Insuree self registration (general)	I	 contract finished, still need to upload the code need to add developers to openIMIS github bug-fixing is on-going set up deep dive with Tinker Technology to synch with IC discussions HIB approved - presentation next Gumzo February legal issues need to be resolved before going live is in github repos from Tinkertechnology -> need to push to openIMIS license? Its already in teh contract 	17.03.2022
193	Client self management Mobile App in Nepal	Ι	 Nepal is providing funds to invest in the Mobile App. Call on how to advise them on the further steps - Development almost done (is it possible to use an OI module to connect the app to the OI server?) mobile app roll-out on April 8th (HIB birthday) is in github repos from Tinkertechnology -> need to push to openIMIS license? Its already in the contract 	23.03.2022
204	Students	A	 Can we recruit students for a thesis? Page to be created with possible thesis topics #303 MARS project implementation onboarding needed on new release AEHIN is preparing a webinars 	05.05.2022

			 DRGs (TU Nepal) field mapping #308 general onboarding session 	
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	28.04.2022
230	Security auditing	D •	Decide if we want/need to have a security audit target: after April 2022 for FE&BE, October 2022 for Postgres plans in Nepal (GIZ/HIB) for security audit Security expert to do some penetration testing in November Penetration test were done - issues will be addressed Communication to implementers started legacy issues were fixed	07.04.2022
233	FHIR IG	A •	 R4 IG: <u>https://openimis.github.io/openimis_fhir_r4_ig</u> profiles are done and code is updated updated FHIR R4 module delivered <u>https://wiki.digitalsquare.io/index.php/Global_Goods</u> <u>Community</u>: Digital Square FHIR webinars Final openIMIS FHIR IG will be delivered end Dec Invoice and Bill Profiles will be included in the FHIR IG on github need to update wiki documentation <u>https://fhir.openimis.org</u> payment layer apis need to be added 	07.04.2022
234	Payment Layer		Discussion on payment layer integration started with Mifos OpenG2P.org for payment processes deep dives for coordination of projects need to be attended by all involved teams! energizer calls (15min each) starting Friday until the end of the month GovStack use case in preparation #239 PaymentPlan deployed in release Contribution point in Product to add configuration for FE calculation modules Onboarding of Access Health GovStack BB call #307	05.05.2022
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	03.03.2022
238	Chat-Channel	D	 app for chats available (clients / apps) <u>https://discord.gg/khDgTDWUZV</u> -> we are using discord update wiki pages (communication channels) 	21.04.2022

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239	GovStack	A	 technical specification documents are ready for review: https://docs.google.com/document/d/18aJLgW4dl B89UMFVXBnrzpHwGLnmQpaoxUGVMxsoGUo/edit https://discourse.govstack.global/t/govstack-documents-and-resources/95 openIMIS Integration: https://docs.google.com/presentation/d/11Zh5FQlqgmVkk7KU0ui8ETVaFawfsT-DFO8Zql6G-mU/edit#slide=id.p1 Demo: video instance relaunch weekly calls, GovStack needs to pick up 	19.05.2022
243	Item/Service groups	Ι	 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+Sc hemes 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 has started 	12.05.2022
246	International Developers	A	 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	 HIB has requested support on Claim Random Sampling. Gone live results: process is accepted now upload to github done, needs to be merged 	05.05.2022
250	Performance test (Modular) on big data set	A	 <u>https://s2.openimis.org/front/home</u> can it be further anonymized for use as demo data set need to address NULL query issue 	28.04.2022
252	Toumai Community		 Support in communication and a mechanism to get content available in English for the entire community will be put in place Webinar on Interoperability and the Module FHIR the 31st with the Toumai The study on the Insurance product started STPH to prepare a workshop on the module FHIR STPH to start the work on capacity building documentation inputs from BlueSquare & STPH needed - when? 	19.05.2022
260	Documentation management platform	D	 docs.openimis.org (ReadTheDocs) openIMIS Docs <u>https://openimis.gitbook.io/installation-and-country-loc</u> <u>alization/</u> (GitBook) 	07.04.2022

		•	more in-code documentation needed need to standardize & improve module documentation (e.g. which repositories are involved?) topic in co-ordination desk team meeting #306	
271	Al Workshop Nepal	•	target group: MoH Nepal, HIB, SSF to be done in conjunction with the performance workshop 30.05. & 31.05.	19.05.2022
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	27.01.2022
284	offline mode (web)	• • • •	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 <u>https://openimis.atlassian.net/browse/OP-466</u> 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 ●	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? #306	24.02.2022
290	Schedule-tasks engine	D •	Add a schedule tasks engine in core module to manage schedule tasks from other modules bypass assembly settings.json configuration ease configuration, (de)activation, etc. -> configurable workflows	19.05.2022
291	Server time to UTC	D •	datatypes with timezones sufficient?-> Incubator page	27.01.2022
293	Authentication	• •	Auth was migrated to full modular and JWT cookies? <u>https://gdpr.eu/cookies/</u> > See "Strictly necessary cookies" (these are only session/language management cookies, no tracking) GDPR states that we don't need consent but should inform about the cookies. fixed with last release need to verify FHIR API	19.05.2022
294	Camera access from webapp	A •	 Registration with pictures through the WebApp? Using the browser access to camera <u>https://www.digitalocean.com/community/tutorials/front-and-rear-camera-access-with-javascripts-getus ermedia</u> <u>https://codepen.io/chrisbeast/pen/ebYwpX</u> No real advantage in offline mode (can use mob. app) but in branch offices with registration at the counter 	31.03.2022
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	19.05.2022

296	Cameroon Voucher Scheme	Ι	 bundle/package of services and items, and voucher number validation features to be developed by Y-Note #243 UCPC MoH 	19.05.2022
298	Rel 2022-04	A	 <u>https://openimis.atlassian.net/wiki/spaces/OP/pages/3</u> <u>211395073/Release+2022-04</u> release is done send release note to newsletter documentation to be updated 	19.05.2022
300	Capitation function	A	 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	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
302	Locust.io	1	 For Performance testing, Blsq made a Locust script that can hammer the (GraphQL) API. It supports both legacy and modular logins. (not that easy) 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/2 501804037/openIMIS+Testing+Scenarios Other mechanism: https://github.com/openimis/openimis-be_py/tree/deve lop#to-get-profiler-report-debug-mode-only also looking at REST API wiki-doku: 	19.05.2022
303	MARS Lab	A	 HS Mannheim software lab participants number: 20 need technical contact -> use discord, delegate FHIR APIs are feasible? started to create tickets 	28.04.2022
304	dj module from oi modules	A	 Add django modules form 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 dokumentation 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 	19.05.2022

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307	GovStack Payment BB	Ι	 https://openimis.atlassian.net/wiki/spaces/OP/pages/3 291774977/ITU+-+Payments+Building+Block Deadline: 9.06 		12.05.2022
308	DRG students	A	student challenge on DRG implementationwebinar session on the DB model		19.05.2022
309	Digital Square	Ι	change in Digital Square support from 1.June		19.05.2022
310	Modular dependencies	A	 how can we avoid dependencies in the new modular version? Squashing migrations reduces the number of small migrations back and forth and reduces dependencies 		19.05.2022
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. 		19.05.2022
312	Terminology	D	 Who decides on wording in user-interfaces for the standard version? 		19.05.2022