Title	Developers Committee Meeting		Date	16/09/2021
Location	**https://meet.jit.si/openIMISDevelopers**		**Time**	**10:00 CET**
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	- 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 - DEZA still proposes Bern clause - http://www.apache.org/licenses/LICENSE-2.0 needed for the HTTP Client mobile app (Point 4 - Redistribution)	16.09.2021
59	DHIS2 Integration	I	- Demo DHIS2 https://dhis2etl.s1.openimis.org - Dataset could be used instead of program https://openimis.atlassian.net/wiki/spaces/OP/pages/1484423230/Report+queries+for+SSRS+dataset - empty column on relative price - issue in source system - Issue: New service to be created for contribution - Matching fund is now synchronized	16.09.2021
92	openHIM	I	- OpenHIM sandbox server: - https://sandbox.openhim.org/ - Login details on home page - call between Healthix - OpenHIM happened, renaming mediators to match their style happening. - adaptations to OpenHIM uploaded - waiting for feedback - propositions from OHIE: Workforce (would need FHIR)	17.06.2021
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 - Discussion at openHIE: disconnect technical and front end level of "modules" - FE=JLN, BE=technical aspect - https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping - mapping to be reviewed - - action needed for new developments and releases & roadmap - support from Tender 2 contract - Mapping openIMIS-JLN started:	06.05.2021
115	Integration of Nepal .NET feature into legacy system	A	- Code will be uploaded on a daily basis (https://github.com/purusap/web_app_vb) - https://github.com/openimis/web_app_vb/blob/develop/IMIS_BL/EscapeBL.vb#L38 on how to use compilation variation - pull request needed (per feature)	27.05.2021
127	Publish AAB/APK on Gplay	A	- Policies Demo Mobile App on Google Play - 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 - Eric added a GitHub action to build APK and AAB. Installing the APK	29.07.2021

			● 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.	

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
			● new features will only go to modular version
			● Performance issue is still blocking (#250)
				16.09.2021

136	AI Project	A	● openIMIS AI-based Claim Adjudication ● need funds for further developments ● kick off follow up calls on project ideas ● abstract for GDHF ● topic idea for OpenHIE Virtual Community Meeting ● AI Demo instance: need dummy Claim data to generate Demo AI Model	16.09.2021
137	instant openHIE (E0)	I	● Project page: https://wiki.ohie.org/display/resources/Instant+OpenHIE ● Instant OpenHIE Architecture doc ● Instant openHIE is a solution to launch "docker stacks" of different e-health systems => implemented ● Code delivered, demo to be planned	12.08.2021
141	Demo instances for the integrations C1	A	● Demo instances of OpenMRS, Bahmni and DHIS2 integrations new+openIMIS+installations ● https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server+Landscape ● Reactivate Jembi after OpenHIM is on our infrastructure ● BAHMNI-Docker under revision -> in T1 ● Looking for the newest Developments from Possible Health ● openMRS FHIR needs to be updated to FHIR4 - workload and funds? (FHIR3 still works, though) ● MojaLoop, MIFOS	16.09.2021

147	Tanzania implementation	I	● GoTHOMIS (inhouse HMS) and AfyaCare (HMS on OpenMRS) integration to openIMIS requested:
			  ○ TZ developers want to use legacy REST
			● integration with accounting system - which would be the workflows and messages/ressources
			● National Rollout for e-payment ongoing, going into UAT next week in four regions
			  ○ new payment process to be clarified
			  ○ New development in Modular to send SMS for activate, renew, expiry => in testing this week
			● insuree card with QR codes
			● Pre generation of CHFID (use in Nepal with a script)
			  ○ (CHFID Id name change) → insuree code, insurance Number , check with FHIR ?
			● bulk control numbers requested for ePayment
			● discussions to install modular openIMIS in production
				16.09.2021

148	Mobile technology for openIMIS	I	● Nils Concept ● link to wiki page ● links: #127, #193 ● restart discussions? Target: define task for T1 or student - s cope might be rather big ● all: look for resources and options ● Android FHIR-SDK usable ? TBC ● https://pub.dev/packages/fhir	12.08.2021

160	openIMIS developer tools E0	A	● Modular developer starting kit: initialize BE and FE modules in development mode 　○ install tools 　○ clone github repos 　○ make links to assembly ● https://github.com/openimis/openimis-dev-tools/tree/develop ● Allow the installation of Python and git? ● Docker for Developers? -> docker override in https://github.com/openimis/openimis-dist_dkr/tree/feature/e0 ● To be delivered in Dec 2021	02.09.2020
164	Roadmap	I	● 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 ?	25.02.2021
176	Video tutorials (Impl)	I	● 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 ● https://openimis.gitbook.io/installation-and-country-localization/	19.08.2020
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	22.04.2021
188	Extend to other Schemes (Product redesign) "Beyond Health"	A	● Before going for the product migration, should we make the payment to Hf (to insuree ?) as separate modules (like RBF, …) that could be added to openIMIS, in addition it will simplify the page in case only one way of payment is activated. ● https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053 ● found Jiri report, needs to be uploaded ● workshop session: https://openimis.atlassian.net/wiki/spaces/OP/pages/2284847173/Extend+openIMIS+to+other+financing+schemes+technical ● Is there an official list or catalogue of SP instruments: https://openimis.atlassian.net/wiki/spaces/OP/pages/2998730753/Classification+of+Social+Protection+Schemes ● SPIAC-B Kickoff was yesterday Ideas for architecture: https://openimis.atlassian.net/wiki/spaces/OP/pages/3024289830/Beyond+Health	16.09.2021
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	19.08.2021
193	Client self management Mobile App in Nepal	I	● 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?) ● work will be finished this month	24.06.2021
204	Students	A	● Can we recruit students for a thesis? ● Page to be created with possible thesis topics	19.03.2021

			● Link #216	
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.)	15.04.2021
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 ● openIMIS Testing Scenarios: Summary of the brainstorming https://openimis.atlassian.net/wiki/spaces/OP/pages/2501804037/openIMIS+Testing+Scenarios ● Cloud https://www.selenium.dev/ be an option to create and manage testing cases? ● test cases being set up ● new overview page: https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview ● continuous integration is currently run from the main module, you do a branch, configure openimis.json to retrieve the right branch/version of each module and it'll run all the tests from there. Drawback is that there is no link from a claims PR for example to the testing results. Patrick is trying to run the build from each module, pulling the dependent modules.	16.09.2021
229	Offline import/export for FHIR	D	● Will propose to migrate the REST API to FHIR in E0 ● Can we develop the data import/export based on FHIR format? ● Mobile application adaptation to FHIR ● Addition to FHIR profiles	29.07.2021
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 ● funds for small 8k contract will be available at short notice ● plans in Nepal (GIZ/HIB) for security audit ● Security expert to do some penetration testing soon	16.09.2021
232	AI workshop	A	● plan a workshop with new AI contacts on next steps ● mail with doodle is out ● Workshop was done on Monday, Summary sent out, schedule detailed calls on single projects	24.06.2021

233	FHIR IG (E0)	A	● R4 IG: https://openimis.github.io/openimis_fhir_r4_ig
			● needs completed mapping
			● working on patient profiles
			  ● replacing the FHIR models with fhir.resources python package
			  ● starting to develop the openIMIS FHIR Profile and IG with SUSHI
			● https://wiki.digitalsquare.io/index.php/Global_Goods_Community : Digital Square FHIR webinars
			● starting to work on CodeSystems endpoints
				16.09.2021

234	Payment Layer	I	● Discussion on payment layer integration started with Mifos ● OpenG2P.org for payment processes ● Series of deep dives will be launched soon ● two more contracts in preparation, teams started working ● deep dives for co-ordination of projects needed	16.09.2021
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 - started	08.07.2021
238	Chat-Channel	D	● need to review options for chat (skype, slack, discord)	16.09.2021

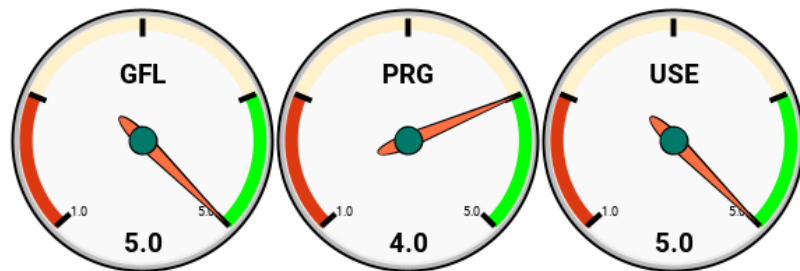|					
			• try out several options on a monthly basis? • https://openimis.atlassian.net/wiki/spaces/OP/pages/653754789/Communication+Platforms • tested discord with this call today • in use for chats by now • app for chats available (clients / apps) • https://discord.gg/BSm92sVM • github discussion forum in beta test • SPIAC-B created a community account on Discourse		
239	GovStack	A	• can SWAGGER also be used for APIs? Lots of extra work • Web-hooks • https://www.govstack.global/ • https://solutions.dial.community/products • deep dive today: https://openimis.atlassian.net/wiki/spaces/OP/pages/2972385332/2021-07-15+Developers+Deep+Dive+Call • Feedback: openIMIS community a bit unhappy about lack of FHIR, GovStack happy about openIMIS interest • IG Publisher can generate OpenAPI specification • advocating & promoting for openIMIS to be part of the tooling • OpenHIE took up discussions with GovStack - quite open for co-operation • Community building event in Estonia in two weeks • https://swagger.io/tools/swagger-codegen/	26.08.2021	
243	Item/Service groups	I	• 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	05.08.2021	
244	Hybrid install	A	• With Niger implementation, we are trying to have a smooth installation with Docker but are struggling. • SwissTPH explained that most setups were done with a Windows and a Linux machine, not using the Docker on Windows. Setting it up this way indeed works really well. • Some fixes were introduced on the gateway for better https support. • Will work on getting the Windows Docker install to work better and/or document the docker-less install like in Nepal.	16.09.2021	
245	Niger Implementation	I	• QR codes generation • Blocking: login issue, same as demo • Blocking: need to setup mobile apps with their REST API • HyperV setup documented for OpenMRS	02.09.2021	
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 • https://path.zoom.us/meeting/register/tJModO6tqz8iG9DugwdjxWmmwXtnUx5-o0yn/success?user_id=pddwKqRiQpCrAyX4p8kdCA&timezone_id=America%2FNew_York • Today at 2pm CEST	29.07.2021	
249	Claim Random Sampling	I	• HIB has requested support on Claim Random Sampling. • Details were sent by HIB - put it on wiki • Link	9.09.2021	
250	Modular version test	A	• Modular version install on openIMIS S2 => network issues to be fixed • Once done, add Nepal anonymized data set • Test and fix any timeout issues	02.09.2021	

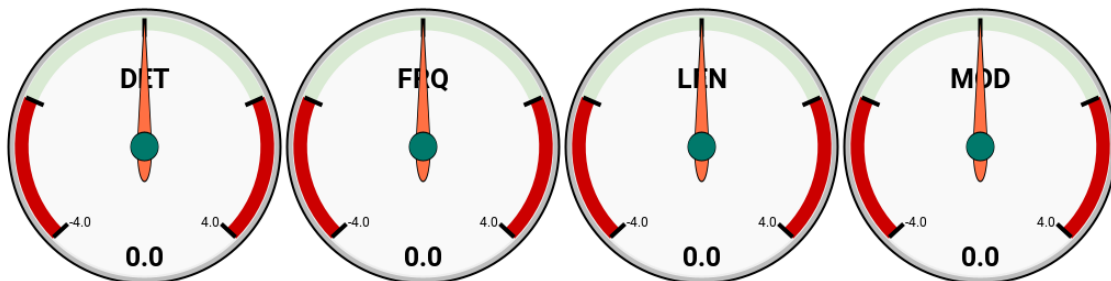|				
	on big data set		• Server installed, next install openIMIS	
252	Toumai Community		• A member request a meeting to better understand the claims verification process, the criteria to approve or reject a claim • Session 6 (10th August) is planned to be a demonstration of how openIMIS works with Bahmni and how openIMIS works with DHIS2. • Next Session: tech support needed e.g. interoperability, cash transfer	26.08.2021
256	Employment Injury	I	• PCS has uploaded code: https://github.com/dkraut836/ssf-openimis-nepal • similar requests from Bangladesh	19.08.2021
257	Medical Item Form	D	• need to split Item: Quantity + Form • Standard for coding?	26.08.2021
258	GDH Forum	A	• Abstract on AI	26.08.2021
259	OpenHIE conference	A	• Register for free and propose topics • Dragos proposed a topic: "AI as global good - openIMIS Claim-AI module"	02.09.2021
260	Documentatio n management platform	D	• docs.openimis.org (ReadTheDocs) • openIMIS Docs • https://openimis.gitbook.io/installation-and-country-localization/ (GitBook)	26.08.2021
262	Multilingual products/servi ces		• Implementers call reported issues of service/item names not being multilingual.	26.08.2021
263	Product page redesign	A	• Proposed redesign: https://excalidraw.com/#json=5951290064502784,rR566XfPv_2_cQomS2VEtA • Please, pretty please check it out to see if it makes sense, we had to guess some fields. • Saurav presented it to the implementers call and said that he would report back to Bluesquare.	02.09.2021
265	PaymentLaye r Use case	A	• other cash transfer / money transfer use cases	16.09.2021

Meeting evaluation:

Records

1

Overall Mood

GFL — 5.0
PRG — 4.0
USE — 5.0

Event Parameters

DET — 0.0
FRQ — 0.0
LEN — 0.0
MOD — 0.0

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]