



<b>Title</b>	<b>Developers Committee Meeting</b>		<b>Date</b>	<b>10.02.2022</b>
<b>Location</b>	<a href="https://meet.jit.si/openIMISDevelopers">https://meet.jit.si/openIMISDevelopers</a>		<b>Time</b>	<b>08:00 UCT</b>
<b>Meeting called by</b>	openIMIS Initiative	<b>Type of meeting</b>	Weekly Call	
<b>Facilitator</b>	All	<b>Note taker</b>	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"> <li>Will there be a problem with external security-related code because of the copy-left clause?</li> <li><a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/40566798/Licenses">https://openimis.atlassian.net/wiki/spaces/OP/pages/40566798/Licenses</a></li> <li>German lawyer sent preliminary report, waiting for DEZA reaction <ul style="list-style-type: none"> <li>DEZA still proposes Bern clause</li> </ul> </li> <li><a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a> needed for the HTTP Client mobile app (Point 4 - Redistribution)</li> </ul>	27.01.2022
59	DHIS2 Integration	I	<ul style="list-style-type: none"> <li>Demo DHIS2 <a href="https://dhis2etl.s1.openimis.org">https://dhis2etl.s1.openimis.org</a></li> <li>Dataset could be used instead of program <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/1484423230/Report+queries+for+SSRS+dataset">https://openimis.atlassian.net/wiki/spaces/OP/pages/1484423230/Report+queries+for+SSRS+dataset</a></li> <li>to be checked: <a href="#">Program Dataset Connector (PDAC)</a></li> <li>ADX file support to be supported ?</li> <li>QA ongoing, loading in parallel threads</li> <li>performance improvements by creating daily batches</li> </ul>	10.02.2022
92	openHIM	I	<ul style="list-style-type: none"> <li>OpenHIM sandbox server: <a href="https://sandbox.openhim.org/">https://sandbox.openhim.org/</a></li> <li>propositions from OHIE: Workforce (would need FHIR)</li> <li><a href="https://openimis.atlassian.net/browse/OP-452">https://openimis.atlassian.net/browse/OP-452</a></li> <li>on server 1</li> <li>need mediators from formal sector etc. in progress</li> <li>mediator for payment layer is added</li> </ul>	10.02.2022
105	List of modules	D	<ul style="list-style-type: none"> <li>JLN: <a href="https://openimis.atlassian.net/wxiki/spaces/OP/pages/807600219/Background+-+Joint+Learning+Network+for+UHC">https://openimis.atlassian.net/wxiki/spaces/OP/pages/807600219/Background+-+Joint+Learning+Network+for+UHC</a></li> <li><a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Plugins">https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Plugins</a></li> <li>Discussion at openHIE: disconnect technical and front end level of "modules" - FE=JLN, BE=technical aspect</li> <li>mapping to be reviewed - <ul style="list-style-type: none"> <li>action needed for new developments and releases &amp; roadmap</li> <li>support from Tender 2 contract</li> </ul> </li> <li>Mapping openIMIS-JLN started: <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping">https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping</a></li> </ul>	27.01.2022
127	Publish AAB/APK on Gplay	A	<ul style="list-style-type: none"> <li><a href="#">Policies Demo Mobile App on Google Play</a></li> <li>Solution to improve the application (e.g. app name is Barcode Scanner on some phones)</li> <li>TZ policy app will be pushed to Google Play - in testing countrywide</li> <li>Eric added a <a href="#">GitHub action</a> to build APK and AAB. Installing the APK</li> </ul>	13.01.2022

			<ul style="list-style-type: none"> <li>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.</li> </ul>	
135	Modular version Install Nepal	A	<ul style="list-style-type: none"> <li>legacy part is productive - FE not applied for all functions</li> <li>2 domains 1 Modular - 1 legacy <ul style="list-style-type: none"> <li>2 domains will be used in parallel</li> <li>Claim reviewers will be the first to use the modular; if it work well other kind of user will move to Modular</li> </ul> </li> <li>new features will only go to modular version</li> <li>Performance issue is still blocking (#250)</li> </ul>	03.02.2022
136	AI Project	A	<ul style="list-style-type: none"> <li><a href="#">openIMIS AI-based Claim Adjudication</a></li> <li>improvements with STPH internal funds</li> <li>Inconsistencies were identified in data</li> <li>updating to use FHIR APIs</li> <li>hybrid event on 02.02.22: <a href="#">Building bridges between innovation and impact on AI in healthcare</a></li> <li>data discrepancies for 2020 due to covid?</li> <li>claim ID/insurance ID replaced for performance</li> </ul>	10.02.2022
137	instant openHIE (E0)	I	<ul style="list-style-type: none"> <li>Project page: <a href="https://wiki.ohie.org/display/resources/Instant+OpenHIE">https://wiki.ohie.org/display/resources/Instant+OpenHIE</a></li> <li><a href="#">Instant OpenHIE Architecture doc</a></li> <li>Instant openHIE is a solution to launch “docker stacks” of different e-health systems =&gt; implemented</li> <li>Code delivered, demo to be planned</li> </ul>	10.02.2022
141	Demo instances for the interop use cases	A	<ul style="list-style-type: none"> <li>Demo instances of OpenMRS, Bahmni and DHIS2 integrations <a href="#">new+openIMIS+installations</a></li> <li><a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server+Landscape">https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server+Landscape</a></li> <li>BAHMNI-Docker under revision -&gt; in T1</li> <li>MojaLoop is installed but not configured,</li> <li>MIFOS is installed and configured</li> <li>openHIM is installed and configured</li> </ul>	10.02.2022
147	Tanzania implementation	I	<ul style="list-style-type: none"> <li>National Rollout for e-payment ongoing, UAT ongoing</li> <li>Policy Notification module to send SMS for activate, renew, expiry installed in production</li> <li>Insuree card with QR codes will be developed soon</li> <li>Payment module rolled out nationally</li> <li>integration into 2 HMS and one accounting systems</li> <li>Insuree self-renewal through USSD</li> <li>problems with camera app on some devices - Chinese phones not on playstore?</li> <li>Bulk payment of policies to be developed</li> </ul>	10.02.2022
148	Mobile technology for openIMIS	I	<ul style="list-style-type: none"> <li><a href="#">Niils Concept</a></li> <li><a href="#">link to wiki page</a></li> <li>links: #127, #193</li> <li>restart discussions? Target: define task for T1 or student - scope might be rather big</li> <li>all: look for resources and options</li> <li>Android FHIR-SDK usable ? TBC</li> <li><a href="https://pub.dev/packages/fhir">https://pub.dev/packages/fhir</a></li> </ul>	10.02.2022
160	openIMIS developer tools E0	A	<ul style="list-style-type: none"> <li>Modular developer starting kit: initialize BE and FE modules in development mode <ul style="list-style-type: none"> <li>install tools</li> <li>clone github repos</li> <li>make links to assembly</li> </ul> </li> <li><a href="https://github.com/openimis/openimis-dev-tools/tree/develop">https://github.com/openimis/openimis-dev-tools/tree/develop</a></li> <li>Allow the installation of Python and git?</li> </ul>	13.01.2022

			<ul style="list-style-type: none"> <li>• Docker for Developers? -&gt; docker override in <a href="https://github.com/openimis/openimis-dist_dkr/tree/feature/e0">https://github.com/openimis/openimis-dist_dkr/tree/feature/e0</a></li> <li>• delivered in Dec 2021</li> <li>• need deep dive call</li> </ul>	
164	Roadmap	I	<ul style="list-style-type: none"> <li>• Old roadmap documents need updating e.g. for the new tender processes #167.</li> <li>• Expect heavy Wiki harvesting &amp; restructuring</li> <li>• <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/Product+Roadmap">https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/Product+Roadmap</a></li> <li>• FS to be updated</li> <li>• Link Jira Roadmap or Confluence Roadmaps ?</li> </ul>	25.02.2021
176	Video tutorials (Impl)	I	<ul style="list-style-type: none"> <li>• <a href="#">Session 1</a> - openIMIS Legacy Web Application</li> <li>• <a href="#">Session 2</a> - openIMIS Legacy Web Application Localization</li> <li>• Session 1 Q&amp;A session <a href="#">linked in the wiki</a></li> <li>• Session 3 might have to be postponed to avail time for maintenance</li> <li>• Developer videos subtitled to French</li> <li>• <a href="https://openimis.gitbook.io/installation-and-country-localization/">https://openimis.gitbook.io/installation-and-country-localization/</a></li> </ul>	19.08.2020
183	Nepal new features (modular)	A	<ul style="list-style-type: none"> <li>• New features are requested by HIB</li> <li>• Puru will submit the new features on Jira (part already on jira)</li> <li>• contracting out in Nepal by tomorrow</li> <li>• Legacy/Modular will depend on the module available</li> <li>• New mobile app for enquiries under development</li> <li>• needs to push to github</li> </ul>	27.01.2022
188	Extend to other Schemes (Product redesign) "Beyond Health"	A	<ul style="list-style-type: none"> <li>• <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053">https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053</a></li> <li>• found Jiri report, needs to be uploaded</li> <li>• Ideas for architecture: <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/3024289830/openIMIS+beyond+health+features+needs">https://openimis.atlassian.net/wiki/spaces/OP/pages/3024289830/openIMIS+beyond+health+features+needs</a></li> <li>• channel this through Conversion Initiative</li> </ul>	10.02.2022
190	Insuree self registration (general)	I	<ul style="list-style-type: none"> <li>• contract finished, still need to upload the code</li> <li>• need to add developers to openIMIS github</li> <li>• bug-fixing is on-going</li> <li>• set up deep dive with Tinker Technology to synch with IC discussions</li> <li>• HIB approved - presentation next Gumzo February</li> <li>• github permissions were granted</li> </ul>	27.01.2022
193	Client self management Mobile App in Nepal	I	<ul style="list-style-type: none"> <li>• 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?)</li> <li>• work will be finished this month <ul style="list-style-type: none"> <li>• HIB approved - presentation next Gumzo February</li> <li>• coed needs to be uploaded</li> </ul> </li> </ul>	03.02.2022
204	Students	A	<ul style="list-style-type: none"> <li>• Can we recruit students for a thesis?</li> <li>• Page to be created with possible thesis topics</li> <li>• new contact from Mannheim - positive signs from the colleagues in Mannheim =&gt; to start working in March</li> <li>• <a href="https://jobs.giz.de/index.php?ac=jobad&amp;id=59542">https://jobs.giz.de/index.php?ac=jobad&amp;id=59542</a></li> <li>• Prof joined the last Gumzo, will have a call to discuss options</li> <li>• <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/2282913793/Google+Summer+of+Code+2021">https://openimis.atlassian.net/wiki/spaces/OP/pages/2282913793/Google+Summer+of+Code+2021</a></li> <li>• STPH &amp; SolDevelo &amp; SolDevelo Foundation are preparing the participation to Google Summer of Code 2022</li> </ul>	10.02.2022
208	Developer Workshop	D	<ul style="list-style-type: none"> <li>• What about a Dev Workshop in January? Rather later in person (Nepal)</li> <li>• Intermediate sessions as needed (Kickoff for new T3 project: 04.01.)</li> </ul>	09.12.2021

			<ul style="list-style-type: none"> <li>preferences: Nepal, then Kenya</li> </ul>	
223	Testing Scenarios	D	<ul style="list-style-type: none"> <li><a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/1343881261/Quality+assurance">https://openimis.atlassian.net/wiki/spaces/OP/pages/1343881261/Quality+assurance</a></li> <li><a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/1336967179/Quality+assurance+opensource+tools">https://openimis.atlassian.net/wiki/spaces/OP/pages/1336967179/Quality+assurance+opensource+tools</a></li> <li>instance installed: qa.openIMIS.org</li> <li>new overview page: <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview">https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview</a></li> <li>modular installation instructions under review especially by the Niger implementation project</li> </ul>	03.02.2022
230	Security auditing	D	<ul style="list-style-type: none"> <li>Decide if we want/need to have a security audit</li> <li>target: after April 2022 for FE&amp;BE, October 2022 for Postgres</li> <li>plans in Nepal (GIZ/HIB) for security audit</li> <li>Security expert to do some penetration testing in November</li> <li>Penetration test were done - issues will be addressed</li> <li>Communication to implementers started</li> <li>fixing for legacy started</li> </ul>	10.02.2022
232	AI workshop	W	<ul style="list-style-type: none"> <li>schedule detailed calls on single projects from AI workshop</li> <li>kick off call with GIZ NP next year -&gt; #271</li> </ul>	16.12.2021
233	FHIR IG (E0)	A	<ul style="list-style-type: none"> <li>R4 IG: <a href="https://openimis.github.io/openimis_fhir_r4_ig">https://openimis.github.io/openimis_fhir_r4_ig</a> <ul style="list-style-type: none"> <li>profiles are done and code is updated</li> <li>updated FHIR R4 module delivered</li> </ul> </li> <li><a href="https://wiki.digitalsquare.io/index.php/Global_Goods_Community">https://wiki.digitalsquare.io/index.php/Global_Goods_Community</a> : Digital Square FHIR webinars</li> <li>Final openIMIS FHIR IG will be delivered end Dec</li> <li>Invoice and Bill Profiles will be included in the FHIR IG on github</li> <li>need to update wiki documentation</li> <li><a href="https://fhir.openimis.org">https://fhir.openimis.org</a></li> </ul>	13.01.2022
234	Payment Layer	I	<ul style="list-style-type: none"> <li>Discussion on payment layer integration started with Mifos</li> <li>OpenG2P.org for payment processes</li> <li>deep dives for coordination of projects need to be attended by all involved teams!</li> <li>energizer calls (15min each) starting Friday until the end of the month</li> </ul>	10.02.2022
236	Nepal Claim FE integration into main	A	<ul style="list-style-type: none"> <li>Nepal rework the claim FE module to improve the layout</li> <li>demo to implementers was done</li> <li>integrate code into develop branch through feature branches - started</li> </ul>	11.11.2021
238	Chat-Channel	D	<ul style="list-style-type: none"> <li>app for chats available (clients / apps)</li> <li><a href="https://discord.gg/khDgTDWUZV">https://discord.gg/khDgTDWUZV</a></li> <li>-&gt; we are using discord</li> <li>update wiki pages (communication channels)</li> </ul>	03.02.2022
239	GovStack	A	<ul style="list-style-type: none"> <li>technical specification documents are ready for review: <ul style="list-style-type: none"> <li><a href="https://docs.google.com/document/d/18aJLgW4dIB89UMFVXBnrzpHwGLnmQpaoxUGVMxsoGUo/edit">https://docs.google.com/document/d/18aJLgW4dIB89UMFVXBnrzpHwGLnmQpaoxUGVMxsoGUo/edit</a></li> <li><a href="https://discourse.govstack.global/t/govstack-documents-and-resources/95">https://discourse.govstack.global/t/govstack-documents-and-resources/95</a></li> </ul> </li> <li>requested openIMIS to document how a demo installation would work - maybe against demo servers?</li> <li>Tenders are in preparation - could be a good chance for openIMIS</li> <li>OpenAPI specs: <a href="https://fhir.openimis.org/openIMISCapabilityStatement.openapi.json">https://fhir.openimis.org/openIMISCapabilityStatement.openapi.json</a></li> </ul>	10.02.2022
243	Item/Service groups	I	<ul style="list-style-type: none"> <li>Implementers expressed a few times the desire to add item and service groups. While we're finalizing the module rewrite,</li> </ul>	05.08.2021

			<p>now is a good time to check what is possible. Meeting with Saurav (and Jean) tomorrow.</p> <ul style="list-style-type: none"> <li>• Think about hierarchies</li> <li>• <a href="https://openimis.atlassian.net/wiki/spaces/OP/pages/2998730753/Classification+of+Social+Protection+Schemes">https://openimis.atlassian.net/wiki/spaces/OP/pages/2998730753/Classification+of+Social+Protection+Schemes</a></li> <li>• Not integrated in the new modules because no real demands and not in the scope/budget</li> </ul>	
245	Niger Implementation	I	<ul style="list-style-type: none"> <li>• End of implementation workshop held. MoH report is globally positive and with a few minor things to follow up.</li> </ul>	03.02.2022
246	International Developers	A	<ul style="list-style-type: none"> <li>• How do we make the community compatible to other language groups at all levels?</li> <li>• French channel in discord?</li> <li>• Workshop organised by Digital Square</li> <li>• <a href="https://path.zoom.us/meeting/register/tJModO6tqz8iG9DugwdjxWmmwXtnUx5-o0yn/success?user_id=pddwKqRiQpCrAyX4p8kdCA&amp;timezone_id=America%2FNew_York">https://path.zoom.us/meeting/register/tJModO6tqz8iG9DugwdjxWmmwXtnUx5-o0yn/success?user_id=pddwKqRiQpCrAyX4p8kdCA&amp;timezone_id=America%2FNew_York</a></li> </ul>	10.02.2022
249	Random Claim Sampling	I	<ul style="list-style-type: none"> <li>• HIB has requested support on Claim Random Sampling.</li> <li>• Details were sent by HIB - put it on wiki</li> <li>• <a href="#">Link</a></li> <li>• Pressing, but maybe not too complicated</li> <li>• Gone live</li> <li>• results: tbd</li> </ul>	27.01.2022
250	Performance test (Modular) on big data set	W	<ul style="list-style-type: none"> <li>• Test and fix any timeout issues</li> <li>• <a href="https://s2.openimis.org/front/home">https://s2.openimis.org/front/home</a></li> <li>• trip to Nepal waiting for a date - maybe hybrid February</li> </ul>	27.01.2022
252	Toumai Community		<ul style="list-style-type: none"> <li>• Preparing the first webinar scheduled the 8th March</li> <li>• The hiring process of the regional hub for Africa is ongoing</li> <li>• The hiring of a community expert is ongoing</li> </ul>	03.02.2022
260	Documentation management platform	D	<ul style="list-style-type: none"> <li>• docs.openimis.org (ReadTheDocs)</li> <li>• openIMIS Docs</li> <li>• <a href="https://openimis.gitbook.io/installation-and-country-localization/">https://openimis.gitbook.io/installation-and-country-localization/</a> (GitBook)</li> <li>• more in-code documentation needed</li> <li>• need to standardize &amp; improve module documentation (e.g. which repositories are involved?)</li> <li>• topic in co-ordination desk team meeting</li> </ul>	16.12.2021
271	AI Workshop Nepal		<ul style="list-style-type: none"> <li>• after performance issues are solved</li> </ul>	04.10.2021
274	Default module configuration	A	<ul style="list-style-type: none"> <li>• Add default configuration to DB for each module so implementers know what can be configured.</li> <li>• could be done through migration script</li> </ul>	27.01.2022
280	Digital Square Notice F	I	<ul style="list-style-type: none"> <li>• <a href="https://applications.digitalsquare.io/">https://applications.digitalsquare.io/</a></li> <li>• Two applications on F2 from Bluesquare accepted for co-creation phase</li> <li>• peer review phase still in progress</li> </ul>	10.02.2022
284	offline mode (web)	I	<ul style="list-style-type: none"> <li>• current version of extracting data for offline mode for web-app is not working</li> <li>• nobody is using it, improve mobile apps instead</li> <li>• need to communicate to implementers</li> <li>• Ticket open to test the offline version for the Legacy <a href="https://openimis.atlassian.net/browse/OP-466">https://openimis.atlassian.net/browse/OP-466</a></li> </ul>	27.01.2022
286	Mauritania Implementation	I	<ul style="list-style-type: none"> <li>• ePayment implementation through Bankily mobile application in discussion</li> </ul>	16.12.2021
287	Demonstration of Swiss AI-Tools @ Expo Dubai	I	<ul style="list-style-type: none"> <li>• Virtual event with possible live demo of Claim-AI module in Dubai</li> <li>• <a href="https://gdhub.org/building-bridges-between-innovation-and-impact-on-ai-in-healthcare/">https://gdhub.org/building-bridges-between-innovation-and-impact-on-ai-in-healthcare/</a></li> </ul>	03.02.2022

			<ul style="list-style-type: none"> <li>postponed to 31.03</li> </ul>	
288	Implementer documentation	D	<ul style="list-style-type: none"> <li>Should we add specific documentation for the implementers (not end user or installation) ?</li> <li>Explain the module configuration in details</li> </ul>	13.01.2022
289	Big merge	I	<ul style="list-style-type: none"> <li>Lots of big merges done with product, payers, funding, new login screen and more.</li> <li>Some integration issues.</li> </ul>	03.02.2022
290	Schedule tasks engine	D	<ul style="list-style-type: none"> <li>Add a schedule tasks engine in core module to manage schedule tasks from other modules</li> <li>bypass assembly settings.json configuration</li> <li>ease configuration, (de)activation, etc.</li> </ul>	13.01.2022
291	Server time to UTC	D	<ul style="list-style-type: none"> <li>datatypes with timezones sufficient?</li> </ul>	27.01.2022
292	ClaimAdmin model moved to Core module	A	User requires claim.ClaimAdmin => move it to core?	10.02.2022
293	Authentication	I	<ul style="list-style-type: none"> <li>Since Blsq modified the authentication so the frontend adds the JWT token to every call, the PDF download and file attachments stopped working as they're links opening directly into the browser =&gt; no authorization header passed.</li> <li>Blsq therefore changed the authentication system to use cookies. This led to a rewrite of the jwt_authentication that checked the various "bearer/basic/remote_user" auth. It is much simpler now and should work with basic auth, remote_user and bearer.</li> <li>PR are out, would love feedback on each team's use cases.</li> <li>cookies? <a href="https://gdpr.eu/cookies/">https://gdpr.eu/cookies/</a> &gt; See "Strictly necessary cookies" (these are only session/language management cookies, no tracking)</li> </ul>	10.02.2022
294	Camera access from webapp	A	<ul style="list-style-type: none"> <li>Registration with pictures through the WebApp?</li> <li>Using the browser access to camera <ul style="list-style-type: none"> <li><a href="https://www.digitalocean.com/community/tutorials/front-and-rear-camera-access-with-javascripts-getusermedia">https://www.digitalocean.com/community/tutorials/front-and-rear-camera-access-with-javascripts-getusermedia</a></li> <li><a href="https://codepen.io/chrisbeast/pen/ebYwpX">https://codepen.io/chrisbeast/pen/ebYwpX</a></li> </ul> </li> </ul>	03.02.2022
295	OpenMRS/BAHMNI FHIR		<ul style="list-style-type: none"> <li>openMRS/BAHMNI FHIR needs to be updated to FHIR4 - workload and funds? (FHIR3 still works, though)</li> </ul>	10.02.2022
296	Cameroon VS Implementation	I	<ul style="list-style-type: none"> <li>bundle/package of services and items to be developed</li> </ul>	10.02.2022
297	Cont. Int.		Most of CI issue fixed	10.02.2022