



| Title | | Developers Committee Meeting | | Date | 17.02.2022 |
|---|--------------------------|--|---|-----------------|-------------|
| Location | | https://meet.jit.si/openIMISDevelopers | | Time | 08:00 UCT |
| 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 | <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> DEZA still proposes Bern clause http://www.apache.org/licenses/LICENSE-2.0 needed for the HTTP Client mobile app (Point 4 - Redistribution) | 27.01.2022 | |
| 59 | DHIS2 Integration | I | <ul style="list-style-type: none"> Demo DHIS2 https://dhis2etl.s1.openimis.org Dataset could be used instead of program https://openimis.atlassian.net/wiki/spaces/OP/pages/148442323/0/Report+queries+for+SSRS+dataset to be checked: Program Dataset Connector (PDAC) ADX file support to be supported ? QA ongoing, loading in parallel threads performance improvements by creating daily batches | 10.02.2022 | |
| 92 | openHIM | I | <ul style="list-style-type: none"> OpenHIM sandbox server: https://sandbox.openhim.org/ propositions from OHIE: Workforce (would need FHIR) https://openimis.atlassian.net/browse/OP-452 on server 1 need mediators from formal sector etc. in progress mediator for payment layer is added | 10.02.2022 | |
| 105 | List of modules | D | <ul style="list-style-type: none"> 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 mapping to be reviewed - <ul style="list-style-type: none"> action needed for new developments and releases & roadmap support from Tender 2 contract Mapping openIMIS-JLN started: https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+--+OpenIMIS+Mapping Toumai consultant is reviewing processes | 17.02.2022 | |
| 127 | Publish AAB/APK on Gplay | A | <ul style="list-style-type: none"> 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 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 | 13.01.2022 | |

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| | | | let it manage signing of the AAB, so this would make our life easier. | |
| 135 | Modular version Install Nepal | A | <ul style="list-style-type: none"> • legacy part is productive - FE not applied for all functions • 2 domains 1 Modular - 1 legacy <ul style="list-style-type: none"> ◦ 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) • action call yesterday, back port performance fixes to last tested version in NP | 17.02.2022 |
| 136 | AI Project | A | <ul style="list-style-type: none"> • openMIS AI-based Claim Adjudication • improvements with STPH internal funds • Inconsistencies were identified in data • updating to use FHIR APIs • hybrid event on 02.02.22: Building bridges between innovation and impact on AI in healthcare • data discrepancies for 2020 due to covid? • claim ID/insurance ID replaced for performance | 17.02.2022 |
| 137 | instant openHIE (E0) | I | <ul style="list-style-type: none"> • 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 | 17.02.2022 |
| 141 | Demo instances for the interoper use cases | A | <ul style="list-style-type: none"> • Demo instances of OpenMRS, Bahmni and DHIS2 integrations new+openMIS+installations • https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server+Landscape • BAHMNI-Docker under revision -> in T1 • MojaLoop is installed but not configured, • MIFOS is installed and configured • openHIM is installed and configured | 17.02.2022 |
| 147 | Tanzania implementation | I | <ul style="list-style-type: none"> • 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 • integration into 2 HMS and one accounting systems • Insuree self-renewal through USSD • problems with camera app on some devices - Chinese phones not on playstore? • Bulk payment of policies to be developed | 17.02.2022 |
| 148 | Mobile technology for openMIS | I | <ul style="list-style-type: none"> • Nils Concept • link to wiki page • links: #127, #193 • restart discussions? Target: define task for T1 or student - scope might be rather big • all: look for resources and options • Android FHIR-SDK usable ? • https://github.com/google/android-fhir • Google Summer of Code? • https://pub.dev/packages/fhir | 17.02.2022 |
| 160 | openMIS developer tools E0 | A | <ul style="list-style-type: none"> • Modular developer starting kit: initialize BE and FE modules in development mode <ul style="list-style-type: none"> ◦ install tools ◦ clone github repos ◦ make links to assembly • https://github.com/openimis/openimis-dev-tools/tree/develop | 13.01.2022 |

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| | | | <ul style="list-style-type: none"> ● Allow the installation of Python and git? ● Docker for Developers? -> docker override in https://github.com/openimis/openimis-dist_dkr/tree/feature/e0 ● delivered in Dec 2021 ● need deep dive call | |
| 164 | Roadmap | I | <ul style="list-style-type: none"> ● 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 | <ul style="list-style-type: none"> ● 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 | <ul style="list-style-type: none"> ● 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 ● needs to push to github | 27.01.2022 |
| 188 | Extend to other Schemes (Product redesign) "Beyond Health" | A | <ul style="list-style-type: none"> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053 ● found Jira report, needs to be uploaded ● Ideas for architecture: https://openimis.atlassian.net/wiki/spaces/OP/pages/3024289830/openIMIS+beyond+health+features+needs ● channel this through Conversion Initiative ● workshop coming up with other SP software communities | 17.02.2022 |
| 190 | Insuree self registration (general) | I | <ul style="list-style-type: none"> ● 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 ● github permissions were granted | 27.01.2022 |
| 193 | Client self management Mobile App in Nepal | I | <ul style="list-style-type: none"> ● 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 <ul style="list-style-type: none"> ● HIB approved - presentation next Gumzo February ● coed needs to be uploaded | 03.02.2022 |
| 204 | Students | A | <ul style="list-style-type: none"> ● Can we recruit students for a thesis? ● Page to be created with possible thesis topics ● new contact from Mannheim - positive signs from the colleagues in Mannheim => to start working in March ● https://jobs.giz.de/index.php?ac=jobad&id=59542 ● Prof joined the last Gumzo, will have a call to discuss options ● https://openimis.atlassian.net/wiki/spaces/OP/pages/2282913793/Google+Summer+of+Code+2021 ● STPH & SolDevelo & SolDevelo Foundation are preparing the participation to Google Summer of Code 2022 | 10.02.2022 |
| 208 | Developer Workshop | D | <ul style="list-style-type: none"> ● What about a Dev Workshop in January? Rather later in person (Nepal) | 09.12.2021 |

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| | | | <ul style="list-style-type: none"> Intermediate sessions as needed (Kickoff for new T3 project: 04.01.) preferences: Nepal, then Kenya | |
| 223 | Testing Scenarios | D | <ul style="list-style-type: none"> 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 modular installation instructions under review especially by the Niger implementation project | 03.02.2022 |
| 230 | Security auditing | D | <ul style="list-style-type: none"> 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 fixing for legacy started | 17.02.2022 |
| 232 | AI workshop | W | <ul style="list-style-type: none"> schedule detailed calls on single projects from AI workshop kick of call with GIZ NP next year -> #271 | 16.12.2021 |
| 233 | FHIR IG (E0) | A | <ul style="list-style-type: none"> R4 IG: https://openimis.github.io/openimis_fhir_r4_ig <ul style="list-style-type: none"> profiles are done and code is updated updated FHIR R4 module delivered https://wiki.digitalsquare.io/index.php/Global_Goods_Community : 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 https://fhir.openimis.org | 17.02.2022 |
| 234 | Payment Layer | I | <ul style="list-style-type: none"> 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 | 10.02.2022 |
| 236 | Nepal Claim FE integration into main | A | <ul style="list-style-type: none"> Nepal rework the claim FE module to improve the layout demo to implementers was done integrate code into develop branch through feature branches - started | 11.11.2021 |
| 238 | Chat-Channel | D | <ul style="list-style-type: none"> app for chats available (clients / apps) https://discord.gg/khDgTDWUZV -> we are using discord update wiki pages (communication channels) | 03.02.2022 |
| 239 | GovStack | A | <ul style="list-style-type: none"> technical specification documents are ready for review: <ul style="list-style-type: none"> https://docs.google.com/document/d/18aJLgW4dIB89UMFVXBnrzpHwGLnmQpaoxUGVMxsoGUo/edit https://discourse.govstack.global/t/govstack-documents-and-resources/95 requested openIMIS to document how a demo installation would work - maybe against demo servers? Tenders are in preparation - could be a good chance for openIMIS OpenAPI specs: https://fhir.openimis.org/openIMISCapabilityStatement.openapi.json | 17.02.2022 |

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| | | | <ul style="list-style-type: none"> openIMIS Integration: https://docs.google.com/presentation/d/1Izh5FQlqgmVkk7KU0ui8ETVaFawfsT-DF08Zql6G-mU/edit#slide=id.p1 | |
| 243 | Item/Service groups | I | <ul style="list-style-type: none"> 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 Not integrated in the new modules because no real demands and not in the scope/budget | 17.02.2022 |
| 246 | International Developers | A | <ul style="list-style-type: none"> 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/tJModO6tqz8iG9DuqwdjxWmmwXtnUx5-o0yn/success?user_id=pddwKqRiQpCrAyX4p8kdCA&timezone_id=America%2FNew_York | 10.02.2022 |
| 249 | Random Claim Sampling | I | <ul style="list-style-type: none"> HIB has requested support on Claim Random Sampling. Details were sent by HIB - put it on wiki Link Pressing, but maybe not too complicated Gone live results: tbd | 27.01.2022 |
| 250 | Performance test (Modular) on big data set | W | <ul style="list-style-type: none"> Test and fix any timeout issues https://s2.openimis.org/front/home trip to Nepal will be hybrid soon preparing test version on NP test server on latest tested version | 27.02.2022 |
| 252 | Toumai Community | | <ul style="list-style-type: none"> Preparing the first webinar scheduled the 8th March The hiring process of the regional hub for Africa is ongoing The hiring of a community expert is ongoing | 03.02.2022 |
| 260 | Documentation management platform | D | <ul style="list-style-type: none"> docs.openimis.org (ReadTheDocs) openIMIS Docs https://openimis.gitbook.io/installation-and-country-localization/ (GitBook) more in-code documentation needed need to standardize & improve module documentation (e.g. which repositories are involved?) topic in co-ordination desk team meeting | 16.12.2021 |
| 271 | AI Workshop Nepal | | <ul style="list-style-type: none"> after performance issues are solved | 04.10.2021 |
| 274 | Default module configuration | A | <ul style="list-style-type: none"> Add default configuration to DB for each module so implementers know what can be configured. could be done through migration script | 27.01.2022 |
| 280 | Digital Square Notice F | I | <ul style="list-style-type: none"> https://applications.digitalsquare.io/ Two applications on F2 from Bluesquare accepted for co-creation phase peer review phase finished | 17.02.2022 |
| 284 | offline mode (web) | I | <ul style="list-style-type: none"> 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 - synch via USSD? | 17.02.2022 |

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| 286 | Mauritania Implementation | I | <ul style="list-style-type: none"> ePayment implementation through Bankily mobile application in discussion | 16.12.2021 |
| 287 | Demonstration of Swiss AI-Tools @ Expo Dubai | I | <ul style="list-style-type: none"> Hybrid event with possible live demo of Claim-AI module in Dubai https://gdhub.org/building-bridges-between-innovation-and-impact-on-ai-in-healthcare/ postponed to 21.03 | 03.02.2022 |
| 288 | Implementer documentation | D | <ul style="list-style-type: none"> Should we add specific documentation for the implementers (not end user or installation) ? Explain the module configuration in details | 13.01.2022 |
| 289 | Big merge | I | <ul style="list-style-type: none"> Lots of big merges done with product, payers, funding, new login screen and more. Some integration issues. | 03.02.2022 |
| 290 | Schedule-tasks engine | D | <ul style="list-style-type: none"> 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. | 13.01.2022 |
| 291 | Server time to UTC | D | <ul style="list-style-type: none"> datatypes with timezones sufficient? | 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"> 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 => no authorization header passed. 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. PR are out, would love feedback on each team's use cases. cookies?https://gdpr.eu/cookies/ > 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. We could provide that info in general terms & conditions or provide an optional way to show a banner on first visit (that would require another cookie). | 10.02.2022 |
| 294 | Camera access from webapp | A | <ul style="list-style-type: none"> Registration with pictures through the WebApp? Using the browser access to camera <ul style="list-style-type: none"> https://www.digitalocean.com/community/tutorials/front-and-rear-camera-access-with-javascripts-getusermedia https://codepen.io/chrisbeast/pen/ebYwpX No real advantage in offline mode (can use mob. app) but in branch offices with registration at the counter | 17.02.2022 |
| 295 | OpenMRS/BAHMNI FHIR | | <ul style="list-style-type: none"> openMRS/BAHMNI FHIR needs to be updated to FHIR4 - workload and funds (Notice F2?)? (FHIR3 still works, though) estimation? synchronise with Possible Health implementation | 17.02.2022 |
| 296 | Cameroon VS Implementation | I | <ul style="list-style-type: none"> bundle/package of services and items to be developed UCPC MoH | 10.02.2022 |
| 297 | Cont. Int. | | Most of CI issue fixed | 10.02.2022 |
| 298 | Rel 2022-04 | A | <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3211395073/Release+2022-04 | 17.02.2022 |
| 299 | Partner Pages | I | https://openimis.atlassian.net/wiki/spaces/OP/pages/831357029/Repository+of+openIMIS+Partners | 17.02.2022 |

