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|--------------------------|--|------------------------|-------------|------------|
| Title | Developers Committee Meeting | | Date | 2024-04-04 |
| 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/khDqTDWUZV , | | | |

| # | Item | | Discussion | Date |
|---|--------------------------|---|---|------------|
| A: Action, C: Confidential, D: Decision, I: Information, W: Warning | | | | |
| 19 | AGPL V3 License | A | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> JLN: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping started restructuring of documentation #306 update of Tomai session needed: <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3280240641/Webinar+openIMIS+pour+I+Assurance+maladie+L+approche+modulaire+-+15.03.2022 new graphical overview: <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Modules Modular Architecture - <ul style="list-style-type: none"> 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 | 2024-04-04 |
| 127 | Publish AAB/APK on Gplay | A | <ul style="list-style-type: none"> 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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| | | | <ul style="list-style-type: none"> ● issue on Android 13? | |
| 135 | Migration Support Nepal | A | <ul style="list-style-type: none"> ● 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 ● STPH ended in March, TinkerTech still on board to add new features to the modular version ● waiting for production servers | 2024-04-04 |
| 136 | AI Project | A | <ul style="list-style-type: none"> ● openIMIS AI-based Claim Adjudication ● GIZ internal presentation next month ● BMZ indicated interest in AI projects ● look at implementation scenarios in NP without dependency on the migration project ● GIZ internal presentation last week - was well received | 2024-03-21 |
| 164 | Roadmap | I | <ul style="list-style-type: none"> ● 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://asiahealthinformationnetwork.org/aeihgm2023/presentations/ | 27.07.2023 |
| 176 | Video tutorials | I | <ul style="list-style-type: none"> ● 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 | 2024-02-15 |
| 190 | Insuree self registration (general) | I | <ul style="list-style-type: none"> ● 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? <ul style="list-style-type: none"> ○ published in 23-04 Release without testing (no testcases) ● HIB wants to launch next week (13.04 - NP new year) | 2024-04-04 |
| 193 | Client self management Mobile App in Nepal | I | <ul style="list-style-type: none"> ● 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 | 2024-02-29 |

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| | | | <ul style="list-style-type: none"> not in 2023-10 - need to check DB changes for next release, STPH is checking for 2024-10 new features planned | |
| 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 connection GMDS | 2024-03-28 |
| 208 | Developer Workshop | D | <ul style="list-style-type: none"> Rather later in person (Nepal) Preferences: Thailand, Kenya, Turkey | 2024-02-01 |
| 223 | Testing Scenarios | D | <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview test cases needed for Nepal contributions (portal etc) need to generate a new unit test case for each new graphql query (developer) need to generate a new unit test case per bug (developer) all tests (including integration test from CORS-MIS) will be done on testlink new test case in preparation for new release (summary-) report on test results after each test cycle CORE-MIS test case definitions need to be re-worked | 2024-04-04 |
| 230 | Security auditing | D | <ul style="list-style-type: none"> 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 started on penetration testing of the last release additional pen-test was done by SolDevelo against develop server | 2024-03-28 |
| 246 | International Developers | A | <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 | 2024-04-04 |
| 249 | Random Claim Sampling | I | <ul style="list-style-type: none"> HIB has requested support on Claim Random Sampling. 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 | 2024-03-28 |

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| 250 | Performance test (Modular) on big data set | A | <ul style="list-style-type: none"> • https://s2.openimis.org/front/home • STPH released a script to development - doku needed • count performance #358 • new issues in Nepal implementation • -> Sandboxing • Cameroon is also seeing issues | 2024-03-28 |
| 252 | Toumai Community | | <ul style="list-style-type: none"> • group: https://groups.google.com/g/openimis-toumai- • new position advertised GIZ internally | 2024-03-14 |
| 260 | Documentation management platform | D | <ul style="list-style-type: none"> • Need to develop an implementer's guiding document on the payment layer • need to standardise & improve module documentation (e.g. which repositories are involved?) • #306 • all content migrated, kindly help with formatting issues: https://openimis.atlassian.net/wiki/spaces/SB/pages/3624730627/Migration+Tasks+for+User+Manual • formatting almost finished -will move to KB until UAT starts • freeze (copy) of the R23-10 version will be kept for references | 2024-03-28 |
| 284 | offline mode (web) | I | <ul style="list-style-type: none"> • problem with vouchers - validation via USSD? • to check if this can be done via the new mobile solution | 2024-02-22 |
| 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, start from new structure • through sandbox tender? • #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 • move installation manual to the knowledgebase and migrate legacy version there | 2024-04-04 |
| 304 | Django module from ol modules | A | <ul style="list-style-type: none"> • 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 for 2024-04 | 2024-02-15 |

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| 306 | Documentation on QA | A | <ul style="list-style-type: none"> 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 Implementers are reviewing capacity development material user manuals still need to go to the knowledge base | 2024-04-04 |
| 316 | The Gambia | A | <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3477110785/Project%3A+Customization+Theme+Gambia ePayment integration for contribution payment Pilot started 12-Jul-2023 Features asked: <ul style="list-style-type: none"> 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 project is done, looking at webinars | 2024-04-04 |
| 328 | Sandbox | I | <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Demo -> PSQL Release -> MSSQL + Mobile backend DHIS2 demo needed (just data no ETL) <ul style="list-style-type: none"> where are the resources from the HISP India project - especially data are needed new Tender for maintenance of the sandbox WIP will be harmonized with DCI sandboxing | 2024-03-07 |
| 335 | IHE profiles | A | <ul style="list-style-type: none"> Approach IHE to propose OpenHIE standards as IHE profile board meeting last Tuesday - next milestone in March | 2024-03-28 |

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| | | | <ul style="list-style-type: none"> ● next activity: look for IHE experts ● pull in GIZ expert - will join next FISH call ● new contact US Gravity project - they joined the last OpenHIE call ● maybe through the WHO SMART guidelines ● we were accepted by IHE - bi-weekly call ongoing | |
| 339 | Installation Test | A | <ul style="list-style-type: none"> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/3220930578/Release+openIMIS ● please do installation test whenever possible and document: https://openimis.atlassian.net/wiki/spaces/OP/pages/3001057322/4.+Installation+test | 2024-04-04 |
| 342 | BI Architecture | I | <ul style="list-style-type: none"> ● Integrate elastic search or as part of an attached FHIR server <ul style="list-style-type: none"> ○ 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 ● presentation accepted for DHIS2 conference in Oslo | 2024-03-28 |
| 353 | CORE MIS | | <ul style="list-style-type: none"> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/3682566145 ● sprint 16 starting including the grievance module etc. ● no test valid cases available for the release | 2024-04-04 |
| 364 | New enrollment/Enquiry App HIB | D | <ul style="list-style-type: none"> ● HIB has developed a new Mobile Application ● Contracted Tinker Technology ● Already in Play Store ● can we integrate this into the main release? ● github-repos - will be availed this week ● demo session? in deep dive this year | 2024-03-28 |
| 370 | Change way settings are loaded | A | <p>https://github.com/openimis/openimis-be_py/pull/95/files</p> <ul style="list-style-type: none"> ● useful to add scheduled tasks in settings eg. policy renewal ● changes were done, checking on integration ● in standby until all CI issues are fixed | 2024-04-04 |

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| 376 | Migration from CRA to Vite | A | <ul style="list-style-type: none"> 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 - fulfill 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 | | <p>Claims:</p> <ul style="list-style-type: none"> In testing not working out of the box <p>Policies:</p> <ul style="list-style-type: none"> policy app: https://github.com/openimis/policies_android_app_java/suites/18627739348/artifacts/1083068965 - file in demoRelease/debug testing brought up major problems news some follow up in detail | 2024-04-04 |
| 399 | Async Mutations | | <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Try to support created id in the policyholder and elsewhere Add support for direct calls that respond synchronously code changes could be integrated as a Pull Request - test ongoing | 2024-03-28 |
| 407 | OpenLMIS Integration | I | <ul style="list-style-type: none"> 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 | 2024-03-28 |
| 409 | C4GT | I | <ul style="list-style-type: none"> "Indian Summer of Code": https://www.codeforgovtech.in/ create incubator page ala Google Summer of Code: UX review proposed by C4GT proposed Treemouse for mentoring UX evaluation | 2024-04-04 |

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| | | | <ul style="list-style-type: none"> it seems like no-one applied and the deadline is over need to send a mail to apologise | |
| 410 | HCX | I | <ul style="list-style-type: none"> Indian Claims Exchange standard https://swasthalliance.org/health-claims-exchange.html invite for next OpenHIE call are they still operating will be followed up by OpenHIE | 2024-02-22 |
| 412 | GSOC&Docs | | <ul style="list-style-type: none"> need to register - who manages the openIMIS Organisation account?-> STPH need to include that into openIMIS accounts list missed deadline for GSODocs still need the credentials for the openIMIS account difficult to find someone to prepare this | 2024-03-28 |
| 415 | Save Button | D | <ul style="list-style-type: none"> feed back from Sao Tome: save button looks like the normal download button comes from material ui: https://mui.com/material-ui/material-icons/?query=save easy change in one place of the UI ask implementers | 2024-03-07 |
| 415 | Digital Square RFA | I | <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3745251329/Digital+Square+RFA+%232024-012 closed: 2 proposals so far: STPH, SolDevelo | 2024-04-04 |
| 416 | Horizon EU | I | <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3705405441/Horizon+Europe+Framework+Programme | 2024-03-28 |
| 417 | Performance tweaks | A | <ul style="list-style-type: none"> some perf tweak: <ul style="list-style-type: none"> set up async on core module workers (simple change in docker compose) stop sending query (Done) [TDC, switch to simple django graphene connection manager] → count (async or on demand) Performance submit & Process (not done) Soldevelo: https://openimis.atlassian.net/wiki/spaces/OP/pages/3631054849/Release+23.10+Performance+Testing | 2024-03-07 |
| 418 | WHO ICD11 | I | <p>Use WHO ICD 11 browser to select ICD codes https://icd.who.int/browse/2024-01/mms/en</p> <p>benefit:</p> <ul style="list-style-type: none"> support post-coordination ensure up to date data <p>challenges:</p> | 2024-03-07 |

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| | | | - change the way ICD are saved to support FK and free text | |
| 419 | Discussion Forum | D | <ul style="list-style-type: none"> Need to review communication platforms: https://openimis.atlassian.net/wiki/spaces/OP/pages/3747282945/2024-03-07+Developers+Deep+Dive+Call how does the limitation in the free Discord license affect the forum? | 2024-03-28 |
| 420 | Grievance | I | <ul style="list-style-type: none"> Can we already use the Grievance Module in teh CORE-MIS project? | 2024-03-28 |
| 421 | InnoFund | I | <ul style="list-style-type: none"> GIZ NP&CM won a 20k funding for CRVS integration | 2024-04-04 |
| 422 | Traefik | D | <ul style="list-style-type: none"> Should we use Traefik for routing / reverse proxy? discuss in deep dive | 2024-04-04 |

Deep Dive Topics (Please create a deep dive wiki page and keep minutes there):

- Enrollment App from Nepal (Purushottam-ji)
- Claim Code Autogeneration
- Claim Attachments
- 2024-04-18:
 - Traefik
- 2024-04-11:
 - Formal Sector
- 2024-03-28:
- 2024-03-14:
 - Asynchronous mutations
 - Narrative for Release Notes for R2024-04
- 2024-03-07:
 - discussion forum (google forum, discord, slack, GitHub Discussion, Discourse, WhatsApp)
- 2024-02-29:
 - Feed-back from Sao Tome on Save button
 - FHIR API
 - Security monitoring
- 2024-02-22:
 - Formal Sector Modules
- 2024-02-15:
 - Soldevelo: secondary calendars
- 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>

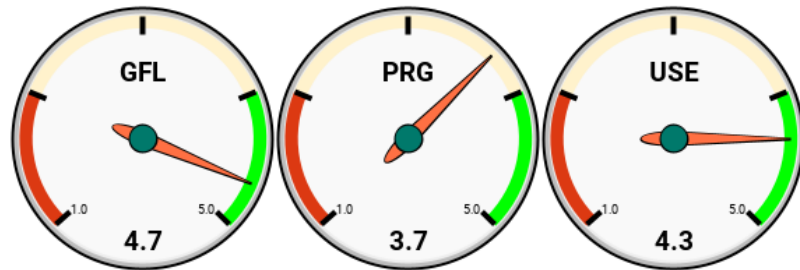
- New features from SSF Nepal

Meeting evaluation:

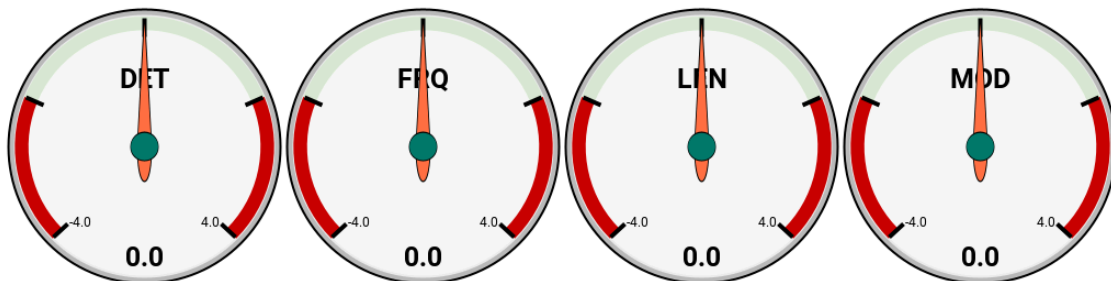
Records

4

Overall Mood



Event Parameters



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]