# Developers Committee Minutes

| Title | Developers Committee Meeting | | | Date | 15/04/2021 |
|---|---|---|---|---|---|
| Location | https://meet.jit.si/openIMISDevelopers | | | Time | 09:00 CEST |
| 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? <br> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/40566798/Licenses <br> ● German lawyer sent preliminary report, waiting for DEZA reaction | 29.10.2020 |
| 59 | DHIS2 Integration | I | ● FHIR API https://github.com/hispindia/openimis-be-api_fhir_py <br> ● Wiki page for Extension Descriptions - [ https://openimis.atlassian.net/wiki/spaces/OP/pages/961544193/FHIR+Extensions ] <br> ● repository started to have DHIS2 as an openIMIS module https://github.com/openimis/openimis-be-dhis2_py <br> ● New ETL working as a django/openIMIS module <br> ● New ETL much faster than Java based one but it still required days to send few million of insurees <br> ● New ETL take the product, item, service, ICD, Gender, Education, FamilyType, Profession from the database with database FK as code this has impacts on the Dashboards (some update required) <br> ● Which data set to use for (future) demo instance? | 15.04.2021 |
| 73 | RFC Formal Sector enrollment | I | ● Specification available here. (Cambodia) <br> ● Enrollment+Registration (Nepal) <br> ● Contracting module is done, <br> ● Working on calculation module - works fine so far <br> ● user added | 15.04.2021 |
| 92 | openHIM | I | ● OpenHIM sandbox server: <br> ● https://sandbox.openhim.org/ <br>   ○ Login details on home page <br> ● start with synchronous or asynchronous exchange? Asynchronous mostly needed in FS <br> ● Integration openHIM & openIMIS done <br>   ○ Python passthrough mediator <br>   ○ Request to publish mediator on OpenHIM GitHub repository <br> ● Test instance upload on OpenHIM server will come <br> ● Installation on new openIMIS servers? Docker file on github -> STPH will deploy on test servers <br> ● Pull request from Healthix received | 15.04.2021 |
| 105 | List of modules | D | ● JLN: https://openimis.atlassian.net/wiki/spaces/OP/pages/807600219/Background+-+Joint+Learning+Network+for+UHC <br> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Plugins <br> ● Discussion at openHIE: disconnect technical and front end level of "modules" - FE=JLN, BE=technical aspect <br> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping | 08.04.2021 |

| | | | | |
|---|---|---|---|---|
| | | | ● mapping to be reviewed -<br>  ● action needed for new developments and releases & roadmap<br>  ● support from Tender 2 contract<br>● Mapping openIMIS-JLN started | |
| 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)<br>● pull request to develop branch (after the release)<br>● some feature switching needed in legacy for feature not cover by new architecture<br>● Does additional request from Puru should be deliver in the context of T1 (mostly new development) → will be moved to Modular project  assigned to Puru<br>● https://github.com/openimis/web_app_vb/blob/develop/IMIS_BL/EscapeBL.vb#L38 on how to use compilation variation<br>● presentation in next Gumzo | 01.04.2021 |
| 124 | Accident Insurance | A | ● How the payment to insuree/company will be stored, will it be generic enough for other cash payments ?<br>  ○ AccIns will only cover claim response of valuated claim and payment is done in SOSYS<br>● https://openimis.atlassian.net/wiki/spaces/OP/pages/1719697409/Employment+Injury+Insurance+-+Social+Security+Fund+Nepal<br>● contract has ended, coding is deployed today on SSF servers<br>● FHIR resources for groups, organisations & affiliation? #184<br>● Were developments uploaded to github?<br>● gone to production in SOSYS | 15.04.2021 |
| 127 | Publish APK on Gplay | A | ● Policies Demo Mobile App on Google Play<br>● Solution to improve the application (e.g. app name is Barcode Scanner on some phones)<br>● Please report any anomalies you identify<br>● Issues with Android 11 fixed - in testing | 15.04.2021 |
| 131 | New provider for the server and domain name | W | ● https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server%2BLandscape<br>● demo.openimis.org moved already<br>● need to plan website migration<br>● more than just copy folders and DB-Dump? No - we can do it ourselves - might want to test with a sandbox<br>● need to order webspace | 01.04.2021 |
| 135 | Modular version Install Nepal | A | ● Install and test modular version in Nepal<br>● Tickets created: Mainly slow claim opening OMT-272, OMT-271, OMT-273, OMT-270<br>● Issues are performance related, including in legacy code, indexes improved it a lot but still need to do better.<br>● call to be done between Bluesquare & S2HSP<br>● Target for 30.04.2021 | 15.04.2021 |
| 136 | AI Project | A | ● openIMIS AI-based Claim Adjudication<br>● Workshop with Nepal in April => waiting for dates<br>● Validation on new reviewed Claims => waiting for last DB<br>● publication of AI model files in question<br>● AI Algorithm published on GitHub<br>● UAT workshop next week in Nepal | 15.04.2021 |
| 137 | instant openHIE (E0) | I | ● Project for setting up an Instant OpenHIE infrastructure is started<br>● Project page: https://wiki.ohie.org/display/resources/Instant+OpenHIE<br>● Instant OpenHIE Architecture doc<br>● Login screen for new modular version | 18.02.2021 |

| | | | | |
|---|---|---|---|---|
| | | | ● Instant openHIE is a solution to launch "docker stacks" of different health systems<br>● cross platform install will be possible | |
| 141 | Demo instances for the integrations C1 | A | ● Demo instances of OpenMRS, Bahmni and DHIS2 integrations<br>● new+openIMIS+installations<br>● https://openimis.atlassian.net/wiki/spaces/OP/pages/17748459 70/Server+Landscape<br>● Alternative: Resources on Amazon Cloud available if openIMIS is compliant to OpenHIE deployment<br>● Verify if all the source-codes are available<br>● Reactivate Jembi after OpenHIM is on our infrastructure<br>● BAHMNI-Docker in the making -> in T1 | 15.04.2021 |
| 147 | Tanzania implementa tion | I | ● GoTHOMIS (inhouse HMS) and AfyaCare (HMS on OpenMRS) integration to openIMIS requested<br>● batch run needs adaptations (e.g. capitation calculation), closing account approach needed.<br>● integration with accounting system - which would be the workflows and messages/ressources<br>● National Rollout for e-payment delayed - needs refactoring<br>● running October release | 04.03.2021 |
| 148 | Mobile technology for openIMIS | I | ● Nils Concept<br>● link to wiki page<br>● links: #127, #193<br>● restart discussions? Target: define task for T1 or student - s cope might be rather big<br>● all: look for resources and options | 12.11.2020 |
| 159 | Simplify openIMIS reference package E0 | D | ● Simplify+openIMIS+reference+package<br>● Notice E0 application accepted! dates to be defined<br>● Due date is end 2021<br>● recipe/template to build docker compose packages established for AI & Formal Sector | 04.02.2021 |
| 160 | openIMIS developer tools E0 | A | ● Modular developer starting kit: initialize BE and FE modules in development mode<br>  ○ install tools<br>  ○ clone github repos<br>  ○ make links to assembly<br>● https://github.com/openimis/openimis-dev-tools/tree/develop<br>● Allow the installation of Python and git?<br>  ● Notice E0 application accepted! | 05.11.2020 |
| 161 | Shelf-Readi ness (E0) | I | https://wiki.digitalsquare.io/index.php/Shelf_Readiness<br>  - open funding under Notice E0 (https://applications.digitalsquare.io)<br>Swiss TPH, Bluesquare, SolDevelo proposal:<br>● Improve FHIR module application accepted!<br>● Improve packaging and installation (#159) application accepted!<br>● contract is being discussed<br>● Contract start on 8th of April 2021 (8 month) | 17.12.2020 |
| 164 | Roadmap | I | ● Old roadmap documents need updating e.g. for the new tender processes #167.<br>● Expect heavy Wiki harvesting & restructuring<br>● https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/ Product+Roadmap<br>● FS to be updated<br>● Link Jira Roadmap or Confluence Roadmaps ? | 25.02.2021 |
| 176 | Video tutorials (Impl) | I | ● Session 1 - openIMIS Legacy Web Application<br>● Session 2 - openIMIS Legacy Web Application Localization<br>● Session 1 Q&A session linked in the wiki | 13.08.2020 |

| | | | | |
|---|---|---|---|---|
| | | | ● Session 3 might have to be postponed to avail time for maintenance | |
| 183 | Nepal new features (modular) | A | ● New features are requested by HIB<br>● Puru will submit the new features on Jira (part already on jira)<br>● contracting out in Nepal<br>● Legacy/Modular will depend on the module available<br>● New mobile app for enquiries under development<br>● presentation in next Gumzo | 01.04.2021 |
| 184 | FS FHIR - HEALTHIX integration | A | ● development in progress<br>● FHIR Organisation (done), OrganizationAffiliation (wip), Contract (wip), Group (done) is being developed<br>● uploaded to github (feature branch) completed<br>● demo was done with HEALTHIX software instead of SOSYS<br>● completed | 15.04.2021 |
| 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.<br>● https://openimis.atlassian.net/wiki/spaces/OP/pages/181734605 3<br>● discuss in the migration context after kick off: Meeting on the 14 at 14h<br>● found Jiri report, needs to be uploaded<br>● workshop session: https://openimis.atlassian.net/wiki/spaces/OP/pages/228484717 3/Extend+openIMIS+to+other+financing+schemes+technical<br>● summary session after easter week in FS call (15.04) | 01.04.2021 |
| 190 | Insuree self registration (general) | I | ● Might come up as a activity from Nepal (inhouse)<br>● Need request document with business requirements<br>● open questions: user management for beneficiaries<br>● SOP in development<br>● Credential management ?<br>　○ use a portal outside openimis (no access to openIMIS data)<br>　○ 2nd factor done through mobile number<br>● HIB Nepal requested GIZ to develop a portal. TORs were drafted in Nepal (including service finder and mobile app) | 01.04.2021 |
| 193 | Client self managemen nt 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?)<br>● status follow up need because of change of ED | 01.04.2021 |
| 203 | Apple Icon | A | ● Try to get rid of the Terminal.icns in the far remote dependencies of create-react-app because it is copyrighted by Apple.<br>● fork is not practical<br>● maybe dependency can be removed (it cannot, sadly) | 28.01.2021 |
| 204 | Students | A | ● Can we recruit students for a thesis?<br>● Page to be created with possible thesis topics<br>● Link #216 | 19.03.2021 |
| 208 | Developer Workshop | D | ● What about a Dev Workshop in January? Rather later in person (Nepal)<br>● Intermediate sessions as needed (Kickoff for new T3 project: 04.01.) | 15.04.2021 |
| 221 | InsurLab | I | ● looking for experts for AI claims adjudication<br>● call with the organizers was good<br>● please suggest experts, invitation has started<br>● first session 14.4. | 15.04.2021 |

| 222 | April 2021 Release | I | ● openIMIS April 2021<br>● test results under review<br>● code freeze started | 15.04.2021 |
|---|---|---|---|---|
| 223 | Testing Scenarios | D | ● https://openimis.atlassian.net/wiki/spaces/OP/pages/134388126 1/Quality+assurance<br>● https://openimis.atlassian.net/wiki/spaces/OP/pages/133696717 9/Quality+assurance+opensource+tools<br>● instance installed: qa.openIMIS.org<br>● openIMIS Testing Scenarios: Summary of the brainstorming https://openimis.atlassian.net/wiki/spaces/OP/pages/250180403 7/openIMIS+Testing+Scenarios<br>● Deep dive next week (22.04.) | 15.04.2021 |
| 224 | Payment Control Number | A | After getting the (short) test data from SwissTPH, we realized that the ControlNumber handling was not at all in the payment module. The documentation is really lacking so after reverse engineering we were able to fill some gaps and we should add it.<br>This should actually not impact the testing as it is run on the REST C# API but it is important to migrate these methods anyway<br>https://openimis.atlassian.net/wiki/spaces/OP/pages/2387312938/Ad dendum+for+payments<br>    ● call on 15.04 | 18.03.2021 |
| 225 | Android 11 | A | Mobile apps doesn't work on Android 11 because new security accessing the External Storage<br>    ● little fix - testing needed | 15.04.2021 |
| 226 | New logos | A | ● Logo updated on WebApp<br>    ○ change favicon<br>● In progress for the Policies Mobile app | 15.04.2021 |
| 227 | GitHub main branch | D | ● Should we rename the master branch to main branch to standardize naming?<br>● YES, just do it. | 01.04.2021 |
| 228 | FS part of the default openIMIS | D | ● Fhir R4 need FH policyHolder for Organisation,<br>● Default Roles are not part of any module (they are across modules) therefore it would be easier to have them in the DB init script<br>● Intermediate "Anniversary" release before October? | 15.04.2021 |
| 229 | REST API 2 FHIR | D | ● Will propose to migrate the REST API to FHIR in E0<br>● Can we develop the data import/export based on FHIR format?<br>● Mobile application adaptation to FHIR | 15.04.2021 |
| 230 | Security auditing | D | ● Contact shared to Uwe<br>● Decide if we want/need to have a security audit<br>● target: after April 2022 for FE&BE, October 2022 for Postgress | 15.04.2021 |