# openIMIS Developers Committee Minutes

| Title | Developers Committee Meeting | | Date | 26/11/2020 |
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| 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 | |
| Distribution list | openimis-developers-committee@googlegroups.com; openimis-implementers-committee@googlegroups.com; | | | |

<sub>,M , , , D</sub>

| # | 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> ● GUID fetches for insurees & coverage are done one by one <br> ● Can Java Adapter be replaced with openHIM? Check with DHIS2 developers (Morten) | 26/11/2020 |
| 73 | RFC Formal Sector enrollment | I | ● Specification available here. (Cambodia) <br> ● Enrollment+Registration (Nepal) <br> ● SOSYS Data structure needed to ensure that FS datamodel is compatible (REALLY IMPORTANT) <br> ● new proposal for managing history: https://django-simple-history.readthedocs.io/en/latest/ <br> ● New developers on SolDevelo side <br> ● New accident insurance developers might be able to solve a few questions | 26/11/2020 |
| 92 | openHIM | I | ● OpenHIM sandbox server: <br> ● https://sandbox.openhim.org/ <br>   ○ Login details on home page <br> ● calls between Healthix & OpenHIM ongoing <br> ● testing started <br> ● start with synchronous or asynchronous exchange? Asynchronous mostly needed in FS | 26.11.2020 |
| 105 | List of modules | D | ● JLN: https://openimis.atlassian.net/wiki/spaces/OP/pages/807600219/Background+-+Joint+Learning+Network+for+UHC <br> ● List made by Xavier commented by Patrick <br> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Plugins <br> ● Will be discussed after notice D.1 project start <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 <br> ● mapping to be reviewed - <br>   ● action needed for new developments and releases & roadmap | 14.05.2020 |

| 111 | Notice D.1 | I | • general contract extension to 2021 is accepted, additional three months very likely, BMZ reaction needed | 15.10.2020 |
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| 115 | Integration of Nepal .NET feature into legacy system | A | • Upload tool for attachments to claims (license?)<br>• 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 | 12.11.2020 |
| 124 | Accident Insurance | A | • Accident insurance required in the context of new Nepali instance Benefit: Salary substitution in case of accident<br>• Rhein-Sieg University designed business processes<br>• https://openimis.atlassian.net/wiki/spaces/OP/pages/1343783009/Accident+insurance<br>• How the payment to insuree/company will be stored, will it be generic enough for other cash payments ?<br>• https://openimis.atlassian.net/wiki/spaces/OP/pages/1719697409/Employment+Injury+Insurance+-+Social+Security+Fund+Nepal<br>• contracted of technical consults, need to be onboarded<br>• They will use modular version of openIMIS & FHIR<br>• team onboarded | 26.11.2020 |
| 127 | Publish APK on Gplay | A | • Privacy policy OK<br>• Push blocked by google because a permission require justification (multi-select list) #148<br>• https://play.google.com/store/apps/details?id=org.openimis.imispolicies.demoProd<br>• Solution to improve the application (e.g. app name is Barcode Scanner (!)) | 26.11.2020 |
| 131 | New provider for the server and domain name | D | • https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server%2BLandscape<br>• currently Nepali provider does a managed server (Windows), MS SQL is done by GIZ<br>• aligning with GIZ restrictions for tendering services<br>• stay with dedicated server<br>• TOR s are with admins | 12.11.2020 |
| 135 | Modular version Install Nepal | A | • Install and test modular version in Nepal<br>• Data exchange with BAHMNI (PossibleHealth) will also go live, testing ongoing (some requirement from AB are missing)<br>• http://imisbeta.hib.gov.np<br>• support is contracted from a local consultant | 26.11.2020 |
| 136 | AI Project | A | • openIMIS AI-based Claim Adjudication<br>• TAG needs to be invoked !!!<br>• work started on development of AI models<br>• waiting for feedback from the Insurance board for data analysis and modules specification (!)<br>• Looking on ways to give Rejection Justification<br>  ○ flag Rejected Claims to be reviewed by Medical Officers (~3% of current labeled data)<br>  ○ responsibility is on Medical Officers on the rejected/flagged claims<br>  ○ started to classify the rejection reasons found in the dataset (in the Justification and Adjustment fields), which will also be used for the rejection reason given by the AI model | 26.11.2020 |

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| | | | • Quality Monitor Module is dependent on Claim-AI Module if new fields are added<br>• Regular meetings to be organised (every two weeks)<br>• Waiting for decision from NHIB about the activation method: event-based, schedule task, manual activation | |
| 137 | instant openHIE | 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>• Amazon Cloud SA credits will be available under the DS account, core HIE components highest priority, openIMIS and other end-user apps later (may be tightly integrated or deployed separately to Instant OpenHIE platform, with a standard way to connect to Instant).<br>• openIMIS could use the passthrough mediator (no mediator to add) | 27.08.2020 |
| 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/1774845970/Server+Landscape<br>• Blocked by 131<br>• Alternative: Resources on Amazon Cloud available if OpernIMIS is compliant to OpenHIE deployment | 15.10.2020 |
| 147 | Tanzania implementation | 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 | 29.10.2020 |
| 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 - scope might be rather big<br>• all: lock for ressources and options | 12.11.2020 |
| 157 | Developer training | A | • will be merged with the country customization trainings<br>• https://openimis.atlassian.net/wiki/spaces/OP/pages/1277493249/Developer+starting+kit<br>• All videos released<br>• Q&A session held on 19th, if there are remaining questions, please send them and then we'll be able to organise another session with the remaining budget | 26.11.2020 |
| 159 | Simplify openIMIS reference package | D | • Simplify+openIMIS+reference+package<br>• Notice E0 application accepted! dates to be defined<br>• Due date is end 2021 | 05.11.2020 |
| 160 | openIMIS developer tools | 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-Readiness (E0) | I | https://wiki.digitalsquare.io/index.php/Shelf_Readiness | 26.11.2020 |

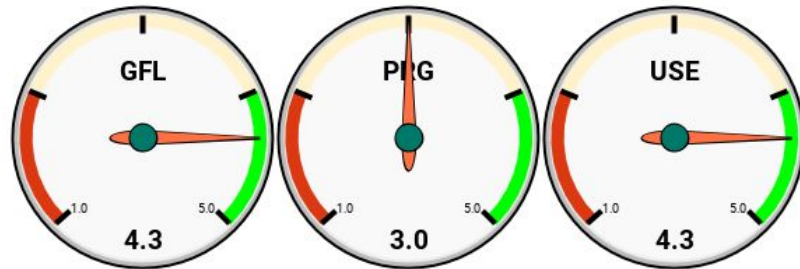| | | | | |
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| | | | - open funding under Notice E0 (https://applications.digitalsquare.io) Swiss TPH, Bluesquare, SolDevelo proposal: <br>● Improve FHIR module application accepted! <br>● Improve packaging and installation (#159) application accepted! <br>● contract is being discussed | |
| 164 | Roadmap | I | ● Old roadmap documents need updating e.g. for the new tender processes #167. <br>● Expect heavy Wiki harvesting & restructuring <br>● Update will happen after contract sign for FS <br>● https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/Product+Roadmap <br>● need to present to SDC by end of month | 03.09.2020 |
| 167 | New GIZ Tenders | I | ● T1: Awarded <br>● T2a: in selection <br>● T2b: in selection <br>● T2c: closed <br>● T3: Awarded | 26.11.2020 |
| 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 <br>● Session 3 might have to be postponed to avail time for maintenance | 13.08.2020 |
| 183 | Nepal new features | D | ● 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 | 27.08.2020 |
| 184 | FS FHIR - SOSYS integration | A | ● waiting for feedback from Nepal about the usage of FHIR for FS integration: <br>● risk factor in the delay waiting for the response/approval <br>● API document from SOSYS came in and is being revised <br>● Development started, scope document circulated <br>● Discussion required | 12.11..2020 |
| 185 | Policy module migration - analysis & questions | I | ● Some questions still open (e.g. how to add a family member in existing policy coverage: via 'renewal' ??) <br>● look at defaults table: tblIMISDefaults (scripts from db develop branch) <br>● new version on release.openimis.org <br>● close to final version <br>● Welcoming all tests and comments. | 12.11.2020 |
| 188 | Product redesign for migration | 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/1817346053 <br>● discuss in the migration context | 26.11.2020 |
| 189 | Insurees & Family | I | ● Insurees & Families 'write' features (create, move,...) to be deployed 'rough' (i.e. with bugs) today or tomorrow on release.openimis.org <br>● Objective: test (& fix), document,... by end september <br>● Note: received test plan from implementers, implementers will be set up… <br>● Testing by AEHIN students, feedback received - no issues | 26.11.2020 |
| 190 | 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 | 01.10.2020 |

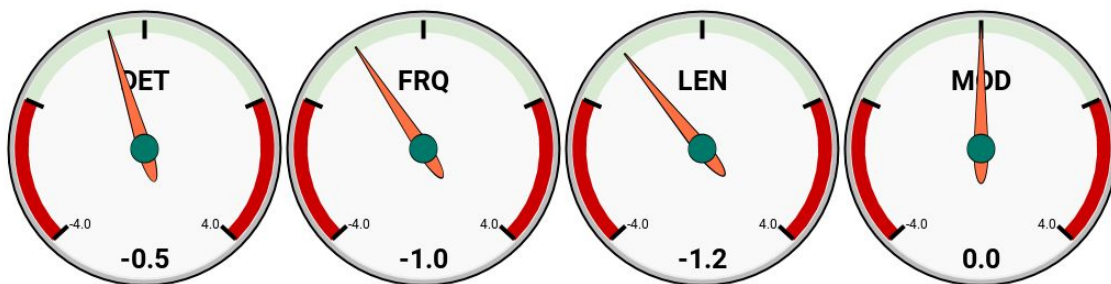| | | | Credential management ? | |
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| | | | ○ use a portal outside openimis (no access to openIMIS data) ○ 2nd factor done through mobile number | |
| 193 | Client self manageme nt Mobile App in Nepal | I | ● Nepal is providing funds to invest in the 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?) ● status follow up need because of change of ED | 03.09.2020 |
| 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. ● fork is not practical ● maybe dependency can be removed | 29.10.2020 |
| 204 | Students | A | ● Can we recruit students for a thesis? ● Page to be created with possible thesis topics | 12.11.2020 |
| 205 | FHIR R4 Claim Attachment s | A | ● Nepal requires an API endpoint to upload attachments for Claims ● Implemented into FHIR Claim resource ● Potential problem with large documents ● Developed by SolDevelo in T1 ● FHIR R4 module updated on release.openimis.org => in testing | 26.11.2020 |
| 206 | Merge policy to develop | I | Bluequare finishing the policy module (deployed from branch on release.openimis.org): merged into develop | 26.11.2020 |
| 207 | Contribution s & Payment | I | Scope is defined and published on Wiki, welcoming comments: https://openimis.atlassian.net/wiki/spaces/OP/pages/1366163471/C ontributions+Payment+module+scope | 26.11.2020 |
| 208 | Developer Workshop | D | ● What about a Dev Workshop in January? Rather later in person (Nepal) ● Intermediate sessions as needed | 26.11.2020 |

**Meeting evaluation:**

Records

3

Overall Mood

| GFL | PRG | USE |
|-----|-----|-----|
| 4.3 | 3.0 | 4.3 |

Event Parameters

| DET | FRQ | LEN | MOD |
|-----|-----|-----|-----|
| -0.5 | -1.0 | -1.2 | 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]