

| Title | Developers Committee Meeting | | Date | 29/10/2020 |
|-------------------|---|-----------------|-------------|------------|
| 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 | <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 | 29.10.2020 |
| 59 | DHIS2 Integration | I | <ul style="list-style-type: none"> FHIR API https://github.com/hispindia/openimis-be-api_fhir_py Wiki page for Extension Descriptions - [https://openimis.atlassian.net/wiki/spaces/OP/pages/961544193/FHIR+Extensions] STPH starts testing with TZ settings <ul style="list-style-type: none"> Use RestAPI for sync locations, proposal to user fhir R4 (location has parent) Not "catch-up" mechanism to fetch claims older than one day Patrick working on import fixes, API Java adapter is taking too long without batchmode for initial load GUID fetches for insurances & coverage are done one by one | 22/10/2020 |
| 73 | RFC Formal Sector enrollment | I | <ul style="list-style-type: none"> Specification available here. (Cambodia) Enrollment+Registration (Nepal) SOSYS Data structure needed to ensure that FS datamodel is compatible (REALLY IMPORTANT) new proposal for managing history: https://django-simple-history.readthedocs.io/en/latest/ New developers on SolDevelo side | 29.10.2020 |
| 92 | openHIM | I | <ul style="list-style-type: none"> OpenHIM sandbox server: https://sandbox.openhim.org/ <ul style="list-style-type: none"> Login details on home page calls between Healthix & OpenHIM ongoing testing started | 17.09.2020 |
| 105 | List of modules | D | <ul style="list-style-type: none"> JLN: https://openimis.atlassian.net/wiki/spaces/OP/pages/807600219/Background+-+Joint+Learning+Network+for+UHC List made by Xavier commented by Patrick https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Plugins Will be discussed after notice D.1 project start Discussion at openHIE: disconnect technical and front end level of "modules" - FE=JLN, BE=technical aspect https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping mapping to be reviewed - <ul style="list-style-type: none"> action needed for new developments and releases & roadmap | 14.05.2020 |
| 111 | Notice D.1 | I | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> • Upload tool for attachments to claims (license?) • Code will be uploaded on a daily basis (https://github.com/purusap/web_app_vb) • pull request to develop branch (after the release) • some feature switching needed in legacy for feature not cover by new architecture • 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 | 22.10.2020 |
| 124 | Accident Insurance | A | <ul style="list-style-type: none"> • Accident insurance might be required in the context of new Nepali instance Benefit: Salary substitution in case of accident • Rhein-Sieg University will map out business processes, draft report was sent to SSF for further discussion • https://openimis.atlassian.net/wiki/spaces/OP/pages/1343783009/Accident+insurance • How the payment to insuree/company will be stored, will it be generic enough for other cash payments ? • https://openimis.atlassian.net/wiki/spaces/OP/pages/1719697409/Employment+Injury+Insurance+--+Social+Security+Fund+Nepal • contracting of technical consults under way | 29.09.2020 |
| 127 | Publish APK on Gplay | A | <ul style="list-style-type: none"> • Privacy policy OK • Push blocked by google because a permission require justification (multi-select list) • Fix in next phase | 03.09.2020 |
| 131 | New provider for the server and domain name | D | <ul style="list-style-type: none"> • https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server%2BLandscape • currently Nepali provider does a managed server (Windows), MS SQL is done by GIZ • aligning with GIZ restrictions for tendering services • stay with dedicated servers • tTOR s are with admins | 29.10.2020 |
| 135 | Modular version Install Nepal | A | <ul style="list-style-type: none"> • Install and test modular version in Nepal • Data exchange with BAHMNI (PossibleHealth) will also go live, testing ongoing (some requirement from AB are missing) • http://imisbeta.hib.gov.np • support is being defined, set up a project | 24.09.2020 |
| 136 | AI Project | A | <ul style="list-style-type: none"> • openIMIS AI-based Claim Adjudication • TAG needs to be invoked !!! • work started on development of AI models • waiting for feedback from the Insurance board for data analysis and modules specification (!) • Looking on ways to give Rejection Justification <ul style="list-style-type: none"> ○ flag Rejected Claims to be reviewed by Medical Officers (~3% of current labeled data) ○ responsibility is on Medical Officers on the rejected claims ○ 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 • Quality Monitor Module is dependent on Claim-AI Module if new fields are added <ul style="list-style-type: none"> ○ if claim are flagged, existing Claim module with small adaptations is sufficient • Regular meetings to be organised (bi-monthly) | 29.10.2020 |
| 137 | instant openHIE | I | <ul style="list-style-type: none"> • Project for setting up an Instant OpenHIE infrastructure is started • Project page: https://wiki.ohie.org/display/resources/Instant+OpenHIE | 27.08.2020 |

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| | | | <ul style="list-style-type: none"> • Instant OpenHIE Architecture doc • 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). • openIMIS could use the passthrough mediator (no mediator to add) | |
| 141 | Demo instances for the integrations C1 | A | <ul style="list-style-type: none"> • Demo instances of OpenMRS, Bahmni and DHIS2 integrations • new+openIMIS+installations • https://openimis.atlassian.net/wiki/spaces/OP/pages/1774845970/Server+Landscape • Blocked by 131 • Alternative: Resources on Amazon Cloud available if OpenIMIS is compliant to OpenHIE deployment | 15.10.2020 |
| 147 | Tanzania implementation | I | <ul style="list-style-type: none"> • GoTHOMIS (inhouse HMS) and AfyaCare (HMS on OpenMRS) integration to openIMIS requested • batch run needs adaptations (e.g. capitation calculation), closing account approach needed. • integration with accounting system - which would be the workflows and messages/ressources • National Rollout for e-payment delayed | 29.10.2020 |
| 148 | Mobile technology for openIMIS | I | <ul style="list-style-type: none"> • Niils Concept • link to wiki page • links: #127, #193 | 03.09.2020 |
| 157 | Developer training | A | <ul style="list-style-type: none"> • will be merged with the country customization trainings • Notice E0 application launched #161 • https://openimis.atlassian.net/wiki/spaces/OP/pages/1277493249/Developer+starting+kit • All videos released • Look at the videos as preparation for the virtual workshop (Q&A session ~ 2 hrs maybe in first week of November) • Doodle for Q&A date: https://doodle.com/poll/fs389g77yn686euz | 29.10.2020 |
| 159 | Simplify openIMIS reference package | D | <ul style="list-style-type: none"> • Simplify+openIMIS+reference+package • copy react code into legacy zip file • next release: check reverse proxy option • Notice E0 application launched #161 | 14.05.2020 |
| 160 | openIMIS developer tools | 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 • Allow the installation of Python and git? • Notice E0 application launched #161 | 14.05.2020 |
| 161 | Shelf-Readiness (E0) | I | <p>https://wiki.digitalsquare.io/index.php/Shelf_Readiness</p> <ul style="list-style-type: none"> - open funding under Notice E0 (https://applications.digitalsquare.io) <p>Swiss TPH, Bluesquare, SolDevelo proposal:</p> <ul style="list-style-type: none"> • Improve FHIR module • Improve packaging and installation (#159) • Improve quality assurance • Develop technical documentation (#157) • E0 decisions Postone to November <p>https://wiki.digitalsquare.io/images/7/76/Notice_E0_Mod_-1.pdf</p> | 30.07.2020 |
| 164 | Roadmap | I | <ul style="list-style-type: none"> • Old roadmap documents need updating e.g. for the new tender processes #167. | 03.09.2020 |

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| | | | <ul style="list-style-type: none"> Expect heavy Wiki harvesting & restructuring Update will happen after contract sign for FS https://openimis.atlassian.net/wiki/spaces/OP/pages/40763442/Product+Roadmap need to present to SDC by end of month | |
| 165 | Client Registry (E1) | I | openimis-based-client-registry <ul style="list-style-type: none"> proposal in notice E1 (in review stage, notification end for sept) Peer review ending on Nov. 2020 (not the decision date) https://wiki.digitalsquare.io/images/5/5f/Notice_E1_Mod_-1.pdf | 09.07.2020 |
| 167 | New GIZ Tenders | I | <ul style="list-style-type: none"> T1: applications are in review T3: is online | 15.10.2020 |
| 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 | 13.08.2020 |
| 183 | Nepal new features | D | <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 | 27.08.2020 |
| 184 | FS FHIR - SOSYS integration | A | <ul style="list-style-type: none"> waiting for feedback from Nepal about the usage of FHIR for FS integration: risk factor in the delay waiting for the response/approval API document from SOSYS came in and is being revised | 29.10.2020 |
| 185 | Policy module migration - analysis & questions | I | <ul style="list-style-type: none"> Some questions still open (e.g. how to add a family member in existing policy coverage: via 'renewal' ??) look at defaults table: tblIMISDefaults (scripts from db develop branch) first intermediate version on release.openimis.org (see animations at the end of the minutes) Now includes creation of policies, deletion and renewal, all including valuation calculation Welcoming all tests and comments. | 29.10.2020 |
| 188 | Product redesign for migration | | <ul style="list-style-type: none"> 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. https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053 | 22.10.2020 |
| 189 | Insurees & Family | I | <ul style="list-style-type: none"> Insurees & Families 'write' features (create, move,...) to be deployed 'rough' (i.e. with bugs) today or tomorrow on release.openimis.org Objective: test (& fix), document,... by end september Note: received test plan from implementers, implementers will be set up... Testing by AEHIN students | 01.10.2020 |
| 190 | self registration (general) | | <ul style="list-style-type: none"> Might come up as a activity from Nepal (inhouse) Need request document with business requirements open questions: user management for beneficiaries SOP in development Credential management ? <ul style="list-style-type: none"> use a portal outside openimis (no access to openIMIS data) 2nd factor done through mobile number | 01.10.2020 |
| 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?) status follow up need because of change of ED | 03.09.2020 |

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| 195 | DB performance | A | <ul style="list-style-type: none"> Env variable is added in 1.5.0 to limit the maximum number of insuree, family, policy, claim, claim review, contribution, payment | 15.10.2020 |
| 198 | October 2020 Release | I | <ul style="list-style-type: none"> October package (incl. demo server update) <ul style="list-style-type: none"> will not contain Family&Insurees module https://openimis.atlassian.net/projects/OP/versions/10006/tab/release-report-warnings Mainly a bug-fixing release Packaging planned until next week Offline/demo DB creation SQL as additional script on top of the online | 29.10.2020 |
| 202 | Nepali Holidays | I | from 23.10. - 01.11.2020 Nepal will be in Dashain festival | 22.10.2020 |
| 203 | Apple Icon | A | <p>Try to get rid of the Terminal.icns in the far remote dependencies of create-react-app because it is copyrighted by Apple.</p> <ul style="list-style-type: none"> fork is not practical maybe dependency can be removed | 29.10.2020 |
| 204 | FS call | A | remove daylight savings time | 29.10.2020 |

The screenshot shows the openIMIS web application interface. At the top, there is a navigation bar with 'openIMIS 1.2.342' and menu items: 'Insurees and Policies', 'Claims', 'Administration', 'Tools', and 'Profile'. A search bar contains 'insuree enquiry'. Below the navigation, the page title is '< Family/Group Macintyre Joseph (070707070)'. The 'Family Details' section shows a grid of information: Region (R1 Ultha), District (R1D1 Rapta), Municipality (R1D1M1 Achi), and Village (R1D1M1V1 Rachha). It also lists Head Ins. No. (070707070), Head Last Name (Macintyre), Head Given Name (Joseph), Head Birth Date (1950-07-12), and Head Gender (Male). Family Type is 'None' and Confirmation Type is 'None'. Address details are 'Ranchou road 21' and Poverty Status is 'None'. Below this, there is a table for '6 Insurees' with columns: Insurance No., Last Name, Given Names, Gender, Birth Date, and Beneficiary Card. The table lists five entries for Joseph, Jane, Marth, Abu, and Adele Macintyre. At the bottom, there is a section for '1 Policies' with a checkbox 'Show only not yet active, and last active or last expired' checked. The policy table has columns: Product Code, Name, Expiry Date, Status, Deduction, Hospital Deduction, Non Hospital Deduction, Ceiling, Hospital Ceiling, and Non Hospital Ceiling. One policy is listed: BCUL0001, Basic Cover Ultha, 2020-08-19, Active, 0, 0, 0, 0, 0.

Not secure release.openimis.org/front/insuree/familyOverview/E46237C-D9C3-451A-B05F-D6C3CF4953E1

openIMIS 1.26-v2 Insurees and Policies Claims Administration Tools Profile

Family/Group Oberjine Zula (102000001)

Family Details

Region: R1 Uthra District: R1D1 Raptis Municipality: R1D1M5 Radlir Village: R1D1M5V1 Role

Head Ins. No: 102000001 Head Last Name: Oberjine Head Given Name: Zula Head Birth Date: 1967-03-10 Head Gender: Male

Family Type: None Contractation Type: None Confirmation No. Address details: multi line Poverty Status:

1 Insurees

| Insurance No. | Last Name | Given Names | Gender | Birth Date | Beneficiary Card |
|---------------|-----------|-------------|--------|------------|--------------------------|
| 102000001 | Oberjine | Zula | Male | 1967-03-10 | <input type="checkbox"/> |

Rows Per Page: 5 1-1 of 1

1 Policies Show only not yet active, and last active or last expired

| Product Code | Name | Expiry Date | Status | Deduction | Hospital Deduction | Non Hospital Deduction | Ceiling | Hospital Ceiling | Non Hospital Ceiling |
|--------------|-------------------|-------------|--------|-----------|--------------------|------------------------|---------|------------------|----------------------|
| BCUL0001 | Basic Cover Uthra | 2020-08-19 | Active | | | | 0 | 0 | 0 |

Rows Per Page: 5 1-1 of 1

1 Contributions

| Payment Date | Payer | Amount | Payment Type | Receipt No. | Contribution Category |
|--------------|-------|----------|--------------|-------------|-----------------------|
| 2015-06-20 | | \$ 10000 | Cash | RE7243 | Contribution |

Rows Per Page: 5 1-1 of 1

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openIMIS 1.26-v2 Insurees and Policies Claims Administration Tools Profile

Family/Group Dibango Manu (000000000000)

Family Details

Region: R1 Uthra District: R1D2 Jamboro Municipality: R1D2M1 Acaloby Village: R1D2M1V1 Holobo

Head Ins. No: 000000000000 Head Last Name: Dibango Head Given Name: Manu Head Birth Date: 1935-12-12 Head Gender: Male

Family Type: None Contractation Type: None Confirmation No. Address details: Dibango Address Poverty Status:

1 Insurees

| Insurance No. | Last Name | Given Names | Gender | Birth Date | Beneficiary Card |
|---------------|-----------|-------------|--------|------------|--------------------------|
| 000000000000 | Dibango | Manu | Male | 1935-12-12 | <input type="checkbox"/> |

Rows Per Page: 5 1-1 of 1

1 Policies Show only last active or last expired

| Product Code | Name | Expiry Date | Status | Deduction | Hospital Deduction | Non Hospital Deduction | Ceiling | Hospital Ceiling | Non Hospital Ceiling |
|--------------|-------------------|-------------|--------|-----------|--------------------|------------------------|---------|------------------|----------------------|
| BCUL0001 | Basic Cover Uthra | 2021-10-22 | Idle | | | | 0 | 0 | 0 |

Rows Per Page: 5 1-1 of 1

0 Contributions

| Payment Date | Payer | Amount | Payment Type | Receipt No. | Contribution Category |
|--------------|-------|--------|--------------|-------------|-----------------------|
|--------------|-------|--------|--------------|-------------|-----------------------|

0 Payments