



Title	Developers Committee Meeting		Date	30.03.2023
Location	https://meet.jit.si/openIMISDevelopers		Time	08:00 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/khDgTDWUZV			

#	Item		Discussion	Date
A: Action, C: Confidential, D: Decision, I: Information, W: Warning				
19	AGPL V3 License	W	<ul style="list-style-type: none"> 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) new contract with the lawyer is active - DEZA is signalling willingness to adapt 	09.02.2023
59	DHIS2 Integration	I	<ul style="list-style-type: none"> Demo DHIS2: https://dhis2etl.s1.openimis.org Release DHIS2: Dataset could be used instead of program https://openimis.atlassian.net/wiki/spaces/OP/pages/1484423230/Report+queries+for+SSRS+dataset to be checked: Program Dataset Connector (PDAC) review alternate BI architecture #341 ADX file supported started to create aggregation mechanisms for ADX export - SQL scripting on openIMIS side HISP India demo is down - replace with openIMIS sandbox server - data from artificially generated dataset #260 Bluesquares data scripts are ready, will start data upload into HISP India dashboard next week working on ADX Export in JSON format 	16.03.2023
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 Mapping openIMIS-JLN started: https://openimis.atlassian.net/wiki/spaces/OP/pages/945422345/JLN+Process+-+OpenIMIS+Mapping started restructuring of documentation #306 update of Tomai session needed: https://openimis.atlassian.net/wiki/spaces/OP/pages/3280240641/Webinar+openIMIS+pour+I+Assurance+maladie+L+approche+modulaire+-+15.03.2022 new graphical overview: https://openimis.atlassian.net/wiki/spaces/OP/pages/589561955/openIMIS+Modules Modular Architecture - https://openimis.atlassian.net/wiki/spaces/OP/pages/3376152582/Modular+Architecture+Draft finished, next steps: document modules 	29.09.2022
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 	09.02.2023

			<ul style="list-style-type: none"> 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 issue on Android 13? 	
135	Modular version Install Nepal	A	<ul style="list-style-type: none"> legacy part is productive - FE not applied for all functions 2 front-ends access: 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 Migration needs some adaptations first https://openimis.atlassian.net/wiki/spaces/OP/pages/3460562945/Customize+and+setup+the+modular+version+of+openIMIS+for+Health+Insurance+Board+requirements+in+Nepal contract for migration signed workshop 28.2. - 02.03 completed <ul style="list-style-type: none"> List of requirements set up and waiting for prioritisation 	16.03.2023
136	AI Project	A	<ul style="list-style-type: none"> openIMIS AI-based Claim Adjudication presentation in an internal ISSA webinar (170 participants) working on random test data items & services work well GIZ student interested in thesis 	16.03.2023
147	Tanzania implementation	I	<ul style="list-style-type: none"> integration into a accounting systems (muse) ongoing Roll-out of modular version starting with pilot => catalytic funds could be used for migration? new insurance act expected next year which will bring high volumes of new beneficiaries Formal Sector modules to be implemented for small farms -> reach out to DCI Kubernete deployment will be checked First test with full modular installation started Bulk family payment in pipeline => requires GePG integration migration Migration plan set up for TZ from February until end of June hand-over workshops to TZ developers started 	16.03.2023
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 collecting (big) ideas for next project phase start writing up items for draft 	16.02.2023
176	Video tutorials	I	<ul style="list-style-type: none"> Session 1 - openIMIS Legacy Web Application Session 2 - openIMIS Legacy Web Application Localization New release: Docker installation tutorial - needs to be added to playlist (needs to be public in YT) Update playlists Translations to French language coming up: module configuration older installation video from NP new implementation video https://youtu.be/q12uO3OixOw 	16.03.2023
188	Extend to other Schemes (Product redesign) "Beyond Health"	A	<ul style="list-style-type: none"> Develop a common roadmap https://openimis.atlassian.net/wiki/spaces/OP/pages/1817346053 found Jiri report, needs to be uploaded Ideas for architecture: <ul style="list-style-type: none"> https://openimis.atlassian.net/wiki/spaces/OP/pages/3024289830/openIMIS+beyond+health+features+needs 	26.01.2023

			<ul style="list-style-type: none"> ○ https://openimis.atlassian.net/wiki/spaces/OP/pages/3463577606/Product+refactoring ● channel this through Conversion Initiative (DCI) ● make this a target for next project phase ● discussed in Deep Dive & Bhela 	
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"> ○ would be good to have this for 23-04 Release ● will be released without testing (no testcases) ● new developments in planning 	16.02.2023
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 ● not in 2022-10 	16.02.2023
204	Students	A	<ul style="list-style-type: none"> ● Can we recruit students for a thesis? ● Page to be created with possible thesis topics ● contacts to Uni Frankfurt established - presentation in February ● MARS Lab had to be cancelled due to health issues - will be redone next semester ● Presentation held in Frankfurt University : https://openimis.atlassian.net/wiki/spaces/OP/pages/3510534182 ● GIZ student interested in AI thesis 	16.03.2023
208	Developer Workshop	D	<ul style="list-style-type: none"> ● What about a Dev Workshop in January? Rather later in person (Nepal) ● Intermediate sessions as needed (Kickoff for new T3 project: 04.01.) ● Preferences: Nepal, then Kenya ● Can be done with #334 (OpenHIE 2023 Community Meeting)? ● General community meeting maybe in June ● Option: Cameroon 2023-06-05 to 2023-06-09 (tbc) 	16.03.2023
223	Testing Scenarios	D	<ul style="list-style-type: none"> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/3000664081/Test+cases+overview ● SolDevelo plugin for test case management: https://www.soldevelo.com/products/jiratestmanagement/ ● test cases needed for Nepal contributions (portal etc) ● Installation tests to be listed here: https://openimis.atlassian.net/wiki/spaces/OP/pages/3001057322/4.+Installation+test <ul style="list-style-type: none"> ● Example for installation test: https://openimis.atlassian.net/wiki/spaces/OP/pages/3470196759/Test+Install+openIMIS+on+Windows+10+Windows+11+with+Docker+Desktop ● new Tender 2 contract startet - work on testcases done, updates of older TC in progress ● trying out jira test-features ● For important business that need to be covered by test cases, please contact Hiren/SwissTPH 	30.03.2023
230	Security auditing	D	<ul style="list-style-type: none"> ● Digital Square received the security review and recommendation 	23.03.2023

			<ul style="list-style-type: none"> new project: https://openimis.atlassian.net/wiki/spaces/OP/pages/3365076993/Project+Security+2022 only one high risk in release found - fixed need wiki page on security activities Digital Square hired a security expert - call on 2023-03-09 12:00 CET <ul style="list-style-type: none"> call revealed that openIMIS is doing 99% of the security testing expected, more than any other Global Good; need better public documentation Django 3.2 security advisory. It's "only" a denial of service possibility in file uploads. Let's make sure to update for the release. Do we need CSRF token on graphql ? should they be bound to some mutation ? 	
239	GovStack	A	<ul style="list-style-type: none"> openIMIS Integration: https://docs.google.com/presentation/d/1IZh5FQlqgmVkk7KU0ui8ETVaFawfsT-DF08Zql6G-mU/edit#slide=id.p1 Demo: <ul style="list-style-type: none"> video instance GovStack moving all documentation to confluence: https://govstack-global.atlassian.net/wiki/spaces/GH/overview Meeting with new GovStack Sandbox implementers last week, they will look at openIMIS details regular call with openIMIS developers re-activated deep dive today (again) with gofer compliance evaluation for openimis started: https://govstack-global.atlassian.net/wiki/spaces/GH/pages/172818480/Compliance+Evaluation+openIMIS Postman project shared with GovStack 	23.02.2023
246	International Developers	A	<ul style="list-style-type: none"> How do we make the community compatible with other language groups at all levels? French channel in discord? Workshop organised by Digital Square call with Digital Square, they set up a workshop on how to integrate other language communities team from DRC has joined planning for a developers coffee table session (e.g. once in two weeks/ one per month) - same timeslot as gumzo <ul style="list-style-type: none"> first one after the last gumzo took place - low attendance due late announcement another one #252 	16.03.2023
249	Random Claim Sampling	I	<ul style="list-style-type: none"> HIB has requested support on Claim Random Sampling. upload to github done, needs to be merged in legacy need to be migrated to modular - difficult for HIB 	17.11.2022
250	Performance test (Modular) on big data set	A	<ul style="list-style-type: none"> https://s2.openimis.org/front/home can it be further anonymized for use as demo data set needs to be extended to the PostgreSQL version migration script from existing MSSQL DB automatically create data set - functionality already in openIMIS - script from BISq is available (https://openimis.atlassian.net/wiki/spaces/OP/pages/3511418884/Data+generation) <ul style="list-style-type: none"> function not found error -> needs to pull from develop branch 	16.03.2023

			<ul style="list-style-type: none"> • STPH released a script to development - doku needed • count performance #358 	
252	Toumai Community		<ul style="list-style-type: none"> • Upcoming <ul style="list-style-type: none"> • November 1: Review of openIMIS processes and implementation examples • November 15: A database of documents and forms used by openIMIS implementers • group: https://groups.google.com/g/openimis-toumai- • new candidate has to be contracted 	16.03.2023
260	Documentation management platform	D	<ul style="list-style-type: none"> • Need to develop an implementer's guiding document on the payment layer • docs.openimis.org (ReadTheDocs) • openIMIS Docs • https://openimis.gitbook.io/installation-and-country-localization/ (GitBook) • need to standardise & improve module documentation (e.g. which repositories are involved?) • topic in coordination desk team meeting • #306 • make it a priority next semester • https://openimis.atlassian.net/wiki/spaces/OP/pages/3463315457/2022-11-17+Developers+Deep+Dive+Call 	16.02.2023
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 • #288 Implementer documentation 	09.06.2022
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 - validation via USSD? • to check if this can be done via the new mobile solution • # 343 	09.02.2023
286	Mauritania Implementation	I	<ul style="list-style-type: none"> • ePayment implementation through Bankily mobile application in discussion • contract set up with STPH • new enrolment features: <ul style="list-style-type: none"> ○ insuree number automatic generation ○ insuree card generator with personal information, QR code and photo ○ attach attachments to insurees (i.e. passport) 	16.02.2023
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 tender 2? • #306 	10.11.2022
295	OpenMRS/BAHMNI FHIR	I	<ul style="list-style-type: none"> • openMRS/BAHMNI FHIR needs to be updated to FHIR4 - workload and funds (Notice F2?)? (FHIR3 still works, though) • Global OpenMRS packages still on FHIR3 - work in progress to migrate • synchronise with Possible Health implementation • FHIR4: there were updates in the BAHMNI packages • FHIR5: #320 • installation scripts from 2019 are difficult and specific the Possible Health Project • FHIR update to FHIR4 in OpenMRS done, but no claims 	16.02.2023

296	Cameroon Voucher Scheme	I	<ul style="list-style-type: none"> bundle/package of services and items, and voucher number validation features was developed by Y-Note #243 UCPC MoH end users training done Go live target Oct-2022 but quite some customisation pending final training for pilot ongoing - bug-fixing is done claim workflow needs to be forked -> flag for migration Blsq fixed the migration issue in the PR from Maxime and merged it into a dedicated branch. This is only the claim backend, it still depends on medical and has some code quality issues. running well in pilot 	09.03.2023
301	Split database user	A	Consider splitting database user of the webapp and the more advanced user. Right now, the documentation says to create imisuser with db_creator role. The user also has the right to create backups and restore them. The legacy app allows admins to give a path like c:\openimis\foo and dump a file there. Or load the database from such a path. This is a big risk for security. Even if it is restricted to Admins, combined with another flaw, it might have very bad effects	03.03.2022
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 	12.05.2022
306	Documentation 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 New focus on installation guide https://openimis.atlassian.net/wiki/spaces/OP/pages/3304488961/Documentation+Taskforce documentation platform #260 Harmonizing openIMIS descriptions -> https://openimis.atlassian.net/wiki/spaces/OP/pages/3499032577/openIMIS+Standard+Descriptions+-+Overview List of Wiki maintenance tasks - https://openimis.atlassian.net/wiki/spaces/OP/pages/3481993288/Wiki+Maintenance 	02.02.2023
311	Mobile Offline extracts	A	<ul style="list-style-type: none"> We decided not to include the web offline mode extracts but the Mobile app extracts and imports are necessary (and missing) They are actually included into the April release but not shown in the frontend. There are some issues with the existing system and mobile apps, so Bluesquare is currently testing this and making sure that it's available. Implemented in front and back, with rewrites of stored procedures Missing end-to-end testing on some features data for testing needed from STPH - will be generated through the beta tests 	13.10.2022
312	UI-Wording	D	<ul style="list-style-type: none"> Automated translation done with verification (on all terms extracted) Who decides on wording in user-interfaces for the standard version? address this question to implementers Discuss: Who is responsible? make it part of the UAT - especially French version 	16.03.2023

321	Compatibility with other DB systems	I	<ul style="list-style-type: none"> • Oracle is officially supported in Django • openIMIS is most likely not able to take over Support for non-PostgreSQL • stored procedures are still a problem • different json dialects are handled by Django (indexing problem in MS-SQL reduced, but not efficient) - done • DJANGO migration scripts should be used exclusively - create ticket • current release: data migration from MS-SQL to PostgreSQL (might need customization) • future releases: develop against PostgreSQL, migrate to MS-SQL or others if needed • DB management done through Django from now on <ul style="list-style-type: none"> ○ will allow for easier DB migration without SQL scripts 	16.03.2023
316	The Gambia	A	<ul style="list-style-type: none"> • decision for OpenClinics GA https://sourceforge.net/projects/open-clinic/ • will provide FHIR integration - another interoperability example for us • demo on CRVS HERA integration - are the APIs openly documented? Based on https://github.com/SecureIdentityAlliance/osia • mission starting tomorrow for technical questions 	23.03.2023
317	Implementation in DRC	A	<ul style="list-style-type: none"> • Implementation kick-off • server is acquired • Production Deployment done • user documentation completed • mobile app issue solved • refreshing trainings in the field • up and running - remote support being done • one configuration issue being discussed (waiting period) 	23.03.2023
320	FHIR R5	A	<ul style="list-style-type: none"> • Can this be funded through Digital Square? • could be part of an implementation project • should wait for the official release • could be a student project / estimation of days needed • update in claims: field for scheme not mandatory any more 	24.11.2022
325	FHIR R4 to R4B	A	<ul style="list-style-type: none"> • Should we upgrade FHIR R4 from 4.0.1 to 4.3.0? • Only update of the openIMIS API V4, no parallel version • should we implement PATCH HTTP method to update only changed fields in resources (PUT is replacing all fields and should validate mandatory fields)? 	08.09.2022
326	Publication to FHIR IG registry	A	<ul style="list-style-type: none"> • Publication to FHIR IG registry http://fhir.org/guides/registry/ http://registry.fhir.org • needs to be done to enable the NP extension 	09.03.2023
327	Digital Square Notice G0	A	<ul style="list-style-type: none"> • New application is required (even if already registered) • Funds of max 25k for documentation of impact / scale • https://docs.google.com/document/d/1WuwjcDRdiG_5kMa2v0Vav10ulha8cB-v2DjJ3Lmy9QM/edit • peer review was extended for a handful of products - results expected next month • openIMIS is going to be included • list was published: https://digitalsquare.org/blog/2023/2/16/digital-square-announce-s-new-software-global-goods-approved-through-notice-g • summit planned 2023-05-29 2023-06-02 in Dar es Salaam, TZ • Digital Square is asking for feed back on the GGGB format: https://digitalsquare.org/resourcesrepository/global-goods-guide-book • Invitation for DQsq symposium were sent out - only 2 staff per organisation 	16.03.2023

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 	09.02.2023
329	openIMIS implementation for IDP in cameroon	I	<ul style="list-style-type: none"> • https://openimis.atlassian.net/wiki/spaces/OP/pages/3472621589/Project+Customization+Cameroon • Insurance scheme like Voucher scheme with scoring system • Bonus and penalties • curation/filter for potential beneficiaries • multi provider mechanism is needed: different providers, same invoicing channel • on hold 	26.01.2023
332	PBF link	I	<p>BlueSquare is looking at the link between openIMIS and results based finance</p> <ul style="list-style-type: none"> - in pilot phase - documentation will be shared later -> wikipage - Cameroon project PoC not possible because HIV openIMIS instance is still Legacy. New contract is signed by STPH to migrate to modular and include this connection 	23.02.2023
334	OpenHIE 2023 Community Meeting	I	<ul style="list-style-type: none"> • 1-5 May 2023 • Lilongwe, Malawi at the Umodzi Park Hotel • https://openimis.atlassian.net/wiki/spaces/OP/pages/189595649/Events • unconference session: https://miro.com/app/board/uXjVPmKq40Y=?share_link_id=754081546759 	23.03.2023
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 • next activity: look for IHE experts • pull in GIZ expert - will join next FISh call 	16.03.2023
337	login case sensitivity		<ul style="list-style-type: none"> • postgres is case sensitive for login names, mssql isn't • We can make it case insensitive but we have to be careful if people create a "admin" user when the actual one is Admin. 	01.12.2022
			<ul style="list-style-type: none"> • 	
339	Installation	A	<ul style="list-style-type: none"> • can we move to docker compose 3.8? <ul style="list-style-type: none"> ○ swarms, secrets ○ some option are not supported (see warning if 3.X is used) but nothing seems blocking • move to 3.8: yes, but needs review - didn't work • rework of the docker <ul style="list-style-type: none"> • Move to docker 3 • merge dist_dkr be assembly • Changes need to be tested on standard platforms (linux) and windows and documented in Installation Guide • Implications of having the docker compose versioned in be assembly need to be considered • option for additional cloud init file: https://openimis.atlassian.net/wiki/spaces/OP/pages/3510730757/deploying+with+docker+and+cloud-init • Installation script from NP: • change docker compose to create images via npm 	23.03.2023
340	Mobile app (Niger)	I	<ul style="list-style-type: none"> • Niger encountered a blocking issue with Enrollment app syncing when names had accents 	23.02.2023

			<ul style="list-style-type: none"> ● GitHub Action used a default debug certificate. It was cached but lost since => impossible to update the apps in place ● We did some ADB sorcery to get out of trouble ● Going to commit a key/signing system to GitHub for better future releases. 	
341	Impact Evaluation NP	I	<ul style="list-style-type: none"> ● STPH gained funds from WHO to do impact evaluation in Nepal ● preparation has started , results by end of April ● consultant is identified & contracted ● indicators and costs evaluation in progress 	09.03.2023
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 ● plan deep dive on Soldevlo ADX solution ● 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 	16.03.2023
347	New Tender - Migration	I	https://openimis.atlassian.net/wiki/spaces/OP/pages/3492282369/GI-Z+Tender+1c+-+2022 <ul style="list-style-type: none"> ● contracted, work can start 	23.03.2023
349	CoreMIS Tender		https://openimis.atlassian.net/wiki/spaces/OP/pages/3497263105/GI-Z+Tender+3+-+2022+-+CoreMIS <ul style="list-style-type: none"> ● selected a winner 	16.03.2023
350	Multi scheme provider / tenants		<ul style="list-style-type: none"> ● Multi scheme provider vs. true multi tenancy ● which data boundaries are needed? ● use cases coming up in CM and DRC ● https://openimis.atlassian.net/wiki/spaces/OP/pages/2387083274/Idea+Separation+of+Target+Groups+Multi-tenancy ● https://openimis.atlassian.net/wiki/spaces/OP/pages/3522461697/Idea+Multi-programmes 	09.03.2023
351	Release 2023-04		<ul style="list-style-type: none"> ● https://openimis.atlassian.net/wiki/spaces/OP/pages/3493265409/Release+2023-04 ● will be mainly bug-fixing release ● freeze started ● need to inform potential testers - beta test starts first week of April 	16.03.2023
352	Wiki admin rights		<ul style="list-style-type: none"> ● we are currently looking at the admin rights & user groups in atlassian 	16.02.2023
353	CORE MIS		<ul style="list-style-type: none"> ● product from Worldbank with implementations in a few Social Protection programmes worldwide ● merger project was kicked off ● onboarding of WB developers has started ● developer team on openimis side was selected ● workshop in Bonn foreseen for week of 2023-05-08 	23.03.2023
354	Time quantity	A	for plan (enrolment and payment) but also for policy duration; a time quantity could be usefull: How openIMIS should manage time quantity BE/FE (e.g. monthly, period ,...)	09.03.2023
355	AI Summit	I	2023-07-06 to 2023-07-07 AI for Good Global Summit	23.02.2023
356	Number of Items	A	Performance issue when counting items in search results <ul style="list-style-type: none"> - materialised view - limit number of result - Index optimisation 	23.03.2023
357	cache balance	I	provide a mechanism to increase the performance to calculate the balance per insuree - currently full table scans: Idea from nepal mission: <ul style="list-style-type: none"> - create a cache_balance table with those columns 	23.03.2023

			<ul style="list-style-type: none"> - balance (actually approved) - provisional (submitted claim) - temporary (draft claim) 	
358	user profile page		new profile management page created for users:	23.03.2023
359	Items and service mask		Missing entries <ul style="list-style-type: none"> - mask that cannot match to any insuree should not be saved : if none select for a specific concern then applicability for all should be saved for that concerns - 1 mask when we might need 1 mask per concern <ul style="list-style-type: none"> - Sex - Age group 	23.03.2023

Deep Dive Topics:

- 2023-03-23: Discuss best practices for customising openIMIS without breaking the core
- 2023-03-23: ET Q&A
- 2023-03-16: GovStack special
- anonymization in HIV scheme
- Multi scheme providers
- DHIS2 integration demo - Hiren (Swiss TPH)
- Kubernetes vs. Docker
- Payment Layer use-case
- Semantic versioning
- Mobile applications & API migration to modular
- Database compatibility
- OpenHIE Health Financing toward UHC - workflows
- 2022-01-19: Remodelling Products & Coverage (Benefit package):

<https://openimis.atlassian.net/wiki/spaces/OP/pages/3463577606/Product+refactoring>