openIMIS Developers Committee Minutes

Title	Developers Committee Meeting			Date	27.07.2023
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/khDgTDWUZV,				

#	Item		Discussion	Date
			A: Action, C: Confidential, D: Decision, I: Information, W: Warning	
19	AGPL V3 License	W	● German lawyer sent preliminary report, waiting for DEZA reaction 　○ 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 ● new comment from the lawyer	13.07.2023
59	DHIS2 Integration	I	● Demo DHIS2: https://dhis2etl.s1.openimis.org (can be linked to Demo-data) ● 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 ● Bluesquares data scripts are ready, will start data upload into HISP India dashboard ● example of cubes with aggregate data from develop.openimis.org: https://github.com/openimis/openimis-be-dhis2_etl_py/blob/develop/dhis2_etl/services/adx/cubes.py ● working on ci integration ● merged to develop branch	20.07.2023
105	List of modules	D	● 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+l+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 ● need to integrated the CORE-MIS Module structure	27.07.2023

127	Publish AAB/APK on Gplay	A	[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 - issue on Android 13?	09.02.2023
135	Migration Support Nepal	A	- 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 - project page: https://openimis.atlassian.net/wiki/spaces/OP/pages/3533144065/Project+Modular+Migration+Nepal - issue with Nepal calendar - compare DHIS2 solution: https://ui.dhis2.nu/components/calendar/#nepali-calendar	27.07.2023
136	AI Project	A	[openIMIS AI-based Claim Adjudication](#) - presentation in an internal ISSA webinar (170 participants) - working on random test data - items & services work well - Nepal student interested in thesis, might not get approval to use the NP data	13.07.2023
147	Tanzania implementation	W	- Formal Sector modules to be implemented for small farms -> reach out to DCI - Kubernete deployment will be checked - 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 - mobile app development training requested - PORALG will start development of new functionalities on the basis of the legacy version	13.07.2023
164	Roadmap	I	- 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	27.07.2023
176	Video tutorials	I	[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
190	Insuree self registration (general)	I	- 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? - published in 23-04 Release without testing (no testcases) - new developments in planning	13.07.2023

193	Client self management Mobile App in Nepal	I	● 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 2023-04 - need to check DB changes for next release	13.07.2023
204	Students	A	● Can we recruit students for a thesis? ● Page to be created with possible thesis topics ● MARS Lab of Mannheim will offer openIMIS for next semester but only as one optional topic among others ● AI student from NP - introduction was done yesterday	13.07.2023
208	Developer Workshop	D	● What about a Dev Workshop in January? Rather later in person (Nepal) ● Intermediate sessions as needed (Kickoff for new T3 project: 04.01.) ● Preferences: Thailand, Kenya ● issue was raised during community meeting in CM	15.06.2023
223	Testing Scenarios	D	● 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 ● Example for installation test: https://openimis.atlassian.net/wiki/spaces/OP/pages/3470196759/Test+Install+openIMIS+on+Windows+10+Windows+11+with+Docker+Desktop ● trying out jira test-features ● For important business that need to be covered by test cases, please contact Hiren/SwissTPH ● KeHIA was onboarded into testing procedures ● create test cases for the CORE-MIS features	06.07.2023

230	Security auditing	D	● new project: https://openimis.atlassian.net/wiki/spaces/OP/pages/3365076993/Project+Security+2022
			● Do we need CSRF token on graphql ? should they be bound to some mutation ?
			  ○ https://portswigger.net/web-security/csrf/preventing (for traditional HTML pages)
			  ○ https://checkmarx.com/blog/whats-old-becomes-new-again-csrf-attacks-on-graphql-apis/ (for graphql APIs)
			● security advisors from PATH advise to NOT publish security guidelines
			● Need to summarise security activities in the wiki
				27.07.2023

239	GovStack	A	- openIMIS Integration: https://docs.google.com/presentation/d/1IZh5FQIqgmVkk7KU0ui8ETVaFawfsT-DFO8Zql6G-mU/edit#slide=id.p1 - https://govstack-global.atlassian.net/wiki/spaces/GH/overview - compliance evaluation for openimis started: https://govstack-global.atlassian.net/wiki/spaces/GH/pages/172818480/Compliance+Evaluation+openIMIS - Postman project shared with GovStack - GOvStack testing harness for openIMIS starts with SolDevelo - results were not very good	27.07.2023
246	International Developers	A	- 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 - this weeks call with participants from CM and BF #252	13.07.2023
249	Random Claim Sampling	I	- 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 - not yet decided if it should simply be replaced by AI module	13.07.2023
250	Performance test (Modular) on big data set	A	- 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) - function not found error -> needs to pull from develop branch - STPH released a script to development - doku needed - count performance #358	29.06.2023
252	Toumai Community		- Upcoming - 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	- 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 - was a topic in community meeting: https://openimis.atlassian.net/wiki/spaces/OP/pages/3552477204/Session+IV+Documentation+formats+platforms+sustaining+and+sharing+knowledge	29.06.2023

274	Default module configuration	A	● Add default configuration to DB for each module so implementers know what can be configured. ● could be done through migration script ● #288 Implementer documentation ● !!! Please update readme.md once you added another module configuration option !!!	20.07.2023
284	offline mode (web)	I	● 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 Implementatio n	I	● https://openimis.atlassian.net/wiki/spaces/OP/pages/353314408 1/Project+Customization+Mauretania	15.06.2023
288	Implementer documentation	D	● 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 ● https://openimis.atlassian.net/wiki/spaces/OP/pages/357538202 2/Core+Module	29.06.2023
295	OpenMRS/BA HMNI FHIR	I	● 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 ● Presentation to be held by GIZ NP in Sydney (MedInfo)	20.04.2023
296	Cameroon Voucher Scheme	I	● https://openimis.atlassian.net/wiki/spaces/OP/pages/347262158 9/Project%3A+Customization+Cameroon ● bundle/package of services and items, and voucher number validation features was developed by Y-Note #243 ● UCPC MoH ● integration to main branch needed (PR needs to be fixed) ● claim valuation has issues related to demrem calculations	27.07.2023
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 oI modules	A	● 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 ●	12.05.2022

306	Documentation QA	A	- 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 - workshop in CM: https://openimis.atlassian.net/wiki/spaces/OP/pages/3552477204/Session+IV+Documentation+formats+platforms+sustaining+and+sharing+knowledge	22.06.2023
311	Mobile Offline extracts	A	- We decided not to include the web offline mode extracts but the Mobile app extracts and imports are necessary (and missing) - UI integration is needed	29.06.2023
312	UI-Wording	D	- 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 - make it part of the UAT - especially French version - STPH Tender2 reviewed frontend terms	27.07.2023
321	Compatibility with other DB systems	I	- 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 - will allow for easier DB migration without SQL scripts - Tinkersoft seems to have migrated to Oracle for SSF - any news?	13.07.2023
316	The Gambia	A	- https://openimis.atlassian.net/wiki/spaces/OP/pages/3477110785/Project%3A+Customization+The+Gambia - ePayment integration for contribution payment - Pilot started 12-Jul-2023 - Features asked: - 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	27.07.2023

317	Implementation in DRC	A	- Implementation kick-off - one configuration issue being discussed (waiting period) - next: migration to modular version - issues with synchronisation of APIs & mobile apps; claim submission (all rejected) - call with STPH	27.07.2023
320	FHIR R5	A	- Can this be funded through Digital Square? - could be part of an implementation project - official release done - could be a student project / estimation of days needed - update in claims: field for scheme not mandatory any more - https://futils.meis.io/	13.07.2023
326	Publication to FHIR IG registry	A	- Publication to FHIR IG registry http://fhir.org/guides/registry/ http://registry.fhir.org - needs to be done to enable the NP and TZ extension	25.05.2023
328	Sandbox	I	- 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 - Demo -> PSQL - Release -> MSSQL + Mobile backend - DHIS2 demo needed (just data no ETL) - where are the resources from the HISP India project - especially data are needed	27.07.2023
332	PBF link	I	BlueSquare is looking at the link between openIMIS and results based finance - 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	25.05.2023
335	IHE profiles	A	- 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 - new contact US Gravity project - they joined the last OpenHIE call	20.07.2023
337	login case sensitivity		- 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. - PR made, strange CI errors by "django-nose" - django-nose was removed and should not cause a problem any more - https://github.com/openimis/openimis-be-core_py/pull/193	20.07.2023
339	Installation	A	- rework of the docker - 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 - please do installation test whenever possible	27.07.2023

341	Impact Evaluation NP	I	● STPH gained funds from WHO to do impact evaluation in Nepal ● Overarching project with many countries - unfortunately HIB data were not received in time to be included	20.07.2023
342	BI Architecture	I	● Integrate elastic search or as part of an attached FHIR server 　○ indexation issue 　○ rebuild time 　○ needs a lot of Ram (in memory approach) ● Metabase ? issue with weird OI db structure ● plan deep dive on Soldevelo 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	06.07.2023
350	Multi scheme provider / tenants		● 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
353	CORE MIS		● https://openimis.atlassian.net/wiki/spaces/OP/pages/3531407380/Project+2022.T3+CORE-MIS+Merger ● weekly deep dives every Tuesday at 15:00 CET ● open it up for all developers ● need to better harmonise new features / processes / structures with existing ones ● new calculation rules ● strategy for next migration project: https://openimis.atlassian.net/wiki/spaces/OP/pages/3586981889/Next+steps+in+CORE-MIS+Migration ●	27.07.2023
354	Time quantity	A	● for plan (enrolment and payment) but also for policy duration; a time quantity could be useful: How openIMIS should manage time quantity BE/FE (e.g. monthly, period ,...) ● UCUM = FHIR standard for quantifying time https://ucum.org	20.07.2023
357	caching balance	A	- provide a mechanism to increase the performance to calculate the balance per insuree - currently full table scans: - Idea from nepal mission: 　- create a cache_balance table with those columns 　　- balance (actually approved) 　　- provisional (submitted claim) 　　- temporary (draft claim) https://openimis.atlassian.net/wiki/spaces/OP/pages/3542286337/Benefit+consumption+module+Enquire	13.07.2023
359	Items and service UI		Missing entries - 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 　- Sex 　- Age group - issue for quick fix - BlueSquare verifies	20.07.2023
361	Review technology to fulfil evergreen idea	I	https://openimis.atlassian.net/browse/OP-1372 #376 - decisions may eliminate some points	20.07.2023

363	Product determination stage	I	When we create a claim, the items and services are not assigned to a product until the claim is submitted and validation passed. Consequences: ● the Health Facility cannot know the deductible ● some report might hide some claims Claim predetermination to have valuation of the claim without saving in DB ● Incubator: https://openimis.atlassian.net/wiki/spaces/OP/pages/3578527747/Product+determination+stage	22.06.2023
364	New enrollment/Enquiry App HIB	D	● HIB has developed a new Mobile Application ● Contracted Tinker Technology ● Already in **Play Store** ● **can we integrate this into the main release?** ● **github-repos?**	20.07.2023
365	Version tracks (LTS)	A	● Fixes are coming for the release ● CORE-MIS will be changing deeply ● LTS vs development ● => features go to which branch ● merging of branches is out of synch - clean up ● don't merge pull requests from DEV to DEMO/RELEASE	06.07.2023
366	SSF ERP NP		● set up deep dive to discuss new features	15.06.2023
369	Claim automation	A	● review process	15.06.2023
370	Change way settings are loaded	A	https://github.com/openimis/openimis-be_py/pull/95/files ● useful to add scheduled tasks in settings eg. policy renewal ● changes were done, checking on integration	13.07.2023
373	GIZ Intern	I	● https://jobs.giz.de/index.php?ac=jobad&id=68534 ● in selection process	27.07.2023
375	Depreciation WS	A	● we need an regular (e.g. annual) depreciation workshop to review obsolete functionalities and objects	13.07.2023
376	Migration from CRA to Vite	A	● 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	27.07.2023
377	Isolated module unit testing	I	● Being able to run isolated tests from a module before launching all tests (Christophe)	
378	idle page log out	D	● request from Gambia #316 ● also needed in Nepal	27.07.2023
379	deactivate user	D	● deactivate inactive users ● request from Gambia #316 ● also needed in Nepal	27.07.2023
380	decimal prices	A	● request from Gambia #316 ● price lists of medical items are only integers, used to be decimals	27.07.2023

Deep Dive Topics:
- 2023-08-03:
    - approach for front-end testing (SolDevelo)
- 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):

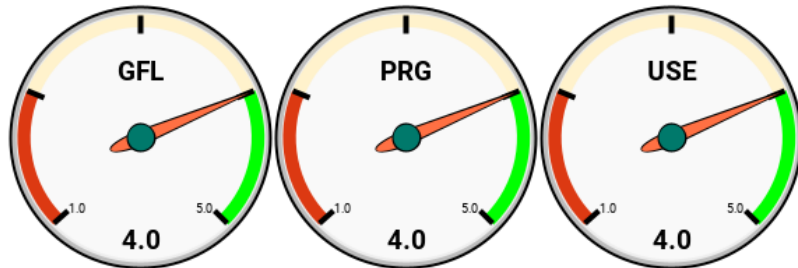https://openimis.atlassian.net/wiki/spaces/OP/pages/3463577606/Product+refactoring

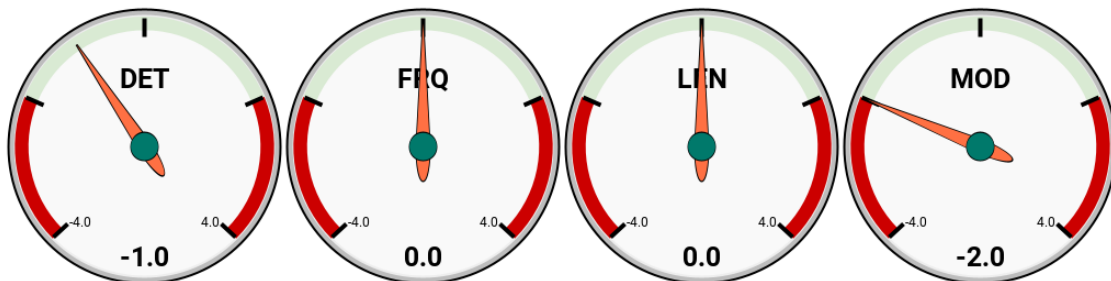- New features from SSF Nepal

Meeting evaluation:

Records

1

Overall Mood

GFL	PRG	USE
4.0	4.0	4.0

Event Parameters

DET	FRQ	LEN	MOD
-1.0	0.0	0.0	-2.0

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]