FIWARE TSC meeting minutes

Meeting Information

Date/Time of the Meeting:	**May 18, 2020. 10:30-12:30 CEST**
Name of the meeting:	**FIWARE Technical Steering Committee (TSC) meeting**
Venue/bridge info:	**GoToMeeting: https://global.gotomeeting.com/join/296239285**
Version	**1.0**

Attendees

Name	Kind of seat	(Y/N)
FIWARE TSC Members:		
Clara Pezuela	Atos (Platinum member) representative	Y
Laura Pucci	Engineering (Platinum member) representative	Y
Stefan Gessler	NEC (Platinum member) representative	Y
Marcos Reyes	Telefónica (Platinum member) representative	-
Fermín Galán	Core chapter	-
Guiomar Tuñón	Context Processing chapter	Y
Tejinder Kaur	Context Processing chapter	Y
Davide Zerbetto	Visualization Chapter	Y
Álvaro Arranz	Visualization Chapter	Y
Gabriele De Luca	Interface to IoT and other systems	Y
Jagatjot Singh	Interface to IoT and other systems	Y

Jaime Martin-Losa	Interface with Robotic systems	-
Borja Outerelo	Interface with Robotic systems	-
Álvaro Alonso	Security and API Management	Y
Francisco de la Vega	Publication and Monetization	Y
Jason Fox	FIWARE Tutorials	-
Kazuhito Suda	FIWARE Tutorials	Y
Fernando López	FIWARE Lab	Y
Alfonso Pietropaolo	FIWARE Lab	Y
Pasquale Vitale	QA Lab	Y
Jose Ignacio Carretero	QA Lab	Y
Miguel Jiménez	Remarkable individual	Y
Martin Bauer	Remarkable individual	Y
Federico M. Facca	Remarkable individual	Y
Joaquín Salvachua	Remarkable individual	Y
Piero Corte	Engineering Representative	Y
Davide Dalle Carbonare	Remarkable individual	-
Juanjo Hierro	Remarkable individual	Y
Stefano de Panfilis	Remarkable individual	Y
Other members of the FIWARE Community present at the meeting		
Roberto Castillo	Atos - IoT Agent LoRa	-
Alberto Abella	FIWARE foundation	Y
Bin Cheng	FogFlow GE Representative	Y
Tomas Aliaga	Individual - Martel Innovate	-
Andrea	Individual - Martel Innovate	-

Gernot Boege	FIWARE Foundation	Y
Germán Molina	HOPU (Gold Member)	-
Ken Zangelin	FIWARE Foundation	-
Felipe Roca	HOPU	-
Ilari Mikkonen	APInf	-
Angelo Marguglio	ENGINEERING	-
Francisco Melendez	FIWARE Foundation	Y
Alexander Wilner	Fraunhofer FOKUS	-
Andres Muñoz	UPM	-
Sonsoles López Pernas	UPM	-
Martino Maggio	Engineering - GE Owner (Idra)	-
Marco Cortella	Engineering - Knowage	-
Gabriele Cerfoglio	MARTEL	-
Har Preet Singh	FIWARE Foundation	Y
Benjamin Hebgen	NEC - Scorpio	-
Franck Le Gall	EGM	Y
Benoit Orihuela	EGM	Y

Proposed agenda topics

Following is a list of proposed agenda topics to be covered during the meeting:

- New Incubated GE for implementation of NGSI-LD
- Follow-up on progress of components
- Status of Roadmaps on GitHub
- Next FIWARE TSC members election
- Action Points from previous follow-ups
- FIWARE Summit
- Relevant recent and upcoming events
- Reminder on agenda of topics to be followed up in upcoming FIWARE TSCs
- AOB

Addressed topics

New Incubated GE for implementation of NGSI-LD

eGlobalMark presents today their application towards proposing their product Stellio as new Incubated FIWARE GE. Stellio provides an implementation of the standard ETSI NGSI-LD API.

Link to presentation:
https://drive.google.com/open?id=1BcEkDoJAWp_26svYbvUn76mABIVd6B6S

Notes:

What Open Source licensee has been selected? Apache v2

Code available at: https://github.com/stellio-hub/stellio-context-broker

API gateway function in the described architecture is mostly for propagating requests (including tokens) to micro-service backends.   Load-balancing would be one of the supported functionalities in the future but not yet ready.

In answer to question by Federico and Juanjo: Authorization and Access Control is currently deferred to be handled by the backend of the several micro-services even though EGM is currently analyzing how integration with components like Keyrock could be implemented.

Martin: Has the test suite developed under FIWARE for NGSI-LD been used? They were run 2-3 months ago and plan to run them again.

Martin: it would be nice to document what elements of the NGSI-LD API specifications are supported in the multiple NGSI-LD implementations that will be available.

Follow-up on components

Please upload presentations to the following shared folder.

FogFlow

Fogflow status update on the in-progress features.

Link to presentation:

https://drive.google.com/open?id=1JY-O-9GzcEBx8namyUpsHlOZpJi0wbBb

Notes:

Juanjo elaborated about support NGSI-LD in the next FIWARE Release.

Bin commented on the interest to connect to LF Edge initiative and explore opportunities for collaboration.

Next FIWARE TSC members election

Question to Clara pending from previous TSC: should we keep the QA Lab Chapter? Clara's view is that of not keeping it. Engineering (Laura) also believes it doesn't make that much at the moment (if we keep it as it is - should rethink at its coordination/organization). Stefano mentioned that there has been active work regarding QA. Clara: yes, that is right but only carried out by the FIWARE Foundation. Agreement: to keep the chapter and the request for candidates should be then taken as commitment for bringing this activity forward.

Juanjo: recalled ITEA project which may be worth contacting to volunteer as candidates for the chapter, trying to move things forward.

We are still waiting for members to nominate themselves as candidates for the different chapters filling the defined doodle.

Note that candidatures to elected seats are at individual level. Elected TSC members are not expected to represent the interest of the organizations they work for. That's why elected members of the TSC do not lose their seat if they move to another organization (different is for Platinum Member representatives who are designated by their respective organization).

Proposed calendar:

1. May 25 EOB: Deadline for candidates to the different chapters through doodle.
2. May 26 - 31: Analysis to determine which chapters require voting.
3. June 1 TSC: announcement of chapters which require voting and nominated candidates.
4. June 1 - June 7: voting of candidates in chapters which require voting
5. June 8 TSC: announcement of chapter representatives at the new TSC and call for candidatures as remarkable individuals (9 seats)
6. June 11 EOB: Deadline for candidates as remarkable individuals
7. June 15 TSC: list of Platinum Member representatives and final list of candidates to be elected as remarkable individuals
8. June 15 - 21: voting of candidates for seats associated to remarkable individuals
9. June 22 TSC: final list of new TSC members

The new TSC will come active immediately after its election and first decisions to be made in the following TSC after elections are a) election of chairman and b) decision on dates for interruption of TSCs for the summer break and date when TSCs will be resumed after summer break.

Background info:

According to the [FIWARE bylaws](), the TSC shall be composed by:

- Two representatives of each FIWARE Chapter
- One representative of each Platinum Member (PM)
- Remarkable Individual Members elected by the Chapter Active Contributors, up to one third of the number of Chapter Leaders plus PM representatives.

The TSC members shall be also FF Individual Members.

During the TSC on May 11th, it was agreed that the following chapters were considered in previous elections (corresponding GEs within parentheses):

- Core chapter (Orion, Orion-LD, Scorpio)
- Connectors for Context Processing (STH-Comet, Cygnus, Cosmos, Draco, QuantumLeap)
- Context Processing (Perseo, Kurento, Openvidu, FogFlow)
- Visualization Chapter (Knowage, Wirecloud)
- Interface to IoT and other systems (IoT Agents, Open MTC)
- Interface with Robotic systems (Fast RTPS, Micro XCRE-DDS, FIROS)
- Security and API Management (Keyrock, Wilma, AuthZForce, APInf umbrella/server)
- Publication and Monetization / Data Publication and Trading (CKAN extensions, BAE, Idra)
- FIWARE Tutorials
- FIWARE Lab
- QA Lab (?)

If we keep 10 or 11 chapters (QA Lab was under question) then we would have up to $(5+2*10) / 3 = 8$ or $(5+2*11) / 3 = 9$ remarkable individuals elected, therefore 33 or 36 seats in total.

Action Points from previous follow-ups

Description	Caretaker(s)	Status
Report on current discussions regarding public and royalty-free availability of TM Forum Open APIs.	FICodes	Pending because TM Forum cancelled
eMail to the TSC mailing list describing issues regarding federated identity management with CKAN (this was going to be a point in the agenda of the next TSC).	FICodes	Pending
FIWARE Foundation to kick-off the activities towards	FIWARE	Pending

creation of curated Global Data Publication and Trading instance.	Foundation	
Martel is asked to provide feedback on the topics raised by Fermin during the call regardings some of the PRs active on some components of the IoT Agent library and components (see slides).	Martel	Done
NEC are asked to provide feedback on the topics raised by Fermin during the call regardings some of the PRs active on some components of the IoT Agent library and components (see slides): 1. For Feature 416: - We have implemented this feature with PR 458 and PR 835. It is complete from NECTI end. 2. For Feature 752: – We have raised the PR 780 and working on the review comments on this. 3. We will start working on Issue 372 from this week.	NEC	NECTI - PR 752 still on work as 416 is completed and pending on review (416 was already completed in previous TSC) and and Issue #372 is on hold and no PR is raised on it yet.
Telefónica to review PRs connected to support of NGSI-LD in the IoT Agent library. PR 849	Telefónica	Pending
FICodes to check pending PR #330 on Perseo and see how current divergency in documentation can be solved.	FICodes	In progress, to carried out during May
Data usage control support for Cosmos Spark connector	UPM	In progress. Planned for next release.
Updates of Roadmaps on GitHub for OpenMTC, Micro-XRCE-DDS, FIROS, APInf	Corresponding GE owners	Pending
Step-by-step tutorial regarding support to OpenID ready by end of May	UPM	In progress

FIWARE Summit

As mentioned in previous TSCs, the Developer track should work as a bootcamp, followed by expert certification exams. This way, we should plan the bootcamp Mon-Wed, followed by certification exams if the bootcamp cannot be placed just in one day and a half (Juanjo: that would be too tight, imho).

Jason proposed an agenda based on experience of the previous Summit and first bootcamp held in Málaga. Proposed agenda was available [here](#).

Current status of Disruptive Future sessions (4-5 tracks) kept for completeness:

- Blockchain and Distributed Ledger Technologies
  - Juanjo is working in collaboration with Alastria, perhaps it will take half a day
  - Presence of representatives of Token and Cattlechain projects foreseen
- Artificial Intelligence (AI)
  - Co-location of kick-off meeting of ALMA project recently awarded within Horizon 2020 confirmed. This will facilitate adding reputed speakers from DFKI and Champalimaud foundation.
  - Participation of parties involved in the KI Marketplatz (AI Marketplace) project funded in Germany under negotiation.
  - Pending of engaging with ATOS (Daniel Calvo) to bring additional speakers
- Edge Computing
  - Juanjo will resume conversations with organizers of [Edge Computing World](#). Still pending on AP for Juanjo to send Martin+Bin info about developments so far.
  - Juanjo to activate contacts with LF Edge
- Robotics:
  - We will organize leveraging on members of the Robotics WG.
  - We will try to bring some representative from ROS Foundation.
  - Design of ROS-embedded and robotics IoT virtual event under preparation which should help also to advertise the Summit and reach out audiences
- Data Economy - Data Marketplace and Data Sovereignty
  - Perhaps to be designed together with IDSA to bring GAIA-X as ingredient
  - New: Present the results of Boost4.0 FIWARE CIM Connector (maybe Workshop/Training)
  - Since kick-off of i4Trust project will be co-located at the Summit, representatives from iShare can be engaged
  - IOTA Foundation (Mark Nixon) has been invited but yet pending
  - Representatives from the Data Trading Alliance in Japan invited but response pending
- Data Models. Agile standardization compatible with NGSI and NGSI-LD and beyond.
 - We'll try to bring TM Forum - pending of planned meeting

Background info:

As already announced, the FIWARE Summit is now going to take place during the week of September 28th. That same week in Málaga in FYCMA, venue of our Summit, the GreenCities event will take place, September 30th - October 1st.

Structure has been closed:

- BoD meeting on Monday morning
- Grand Opening on Monday afternoon (14:00 - 15:00)

- First track session on Monday right after Grand Opening (15:00 18:30)
- Full day of congress on Tuesday (closing at 18:30 followed by some sort of fun/cocktail)
- still activities on Wednesday, some related to Smart Cities in collaboration with GreenCities
- Community meetings will take place Wed-Thu.
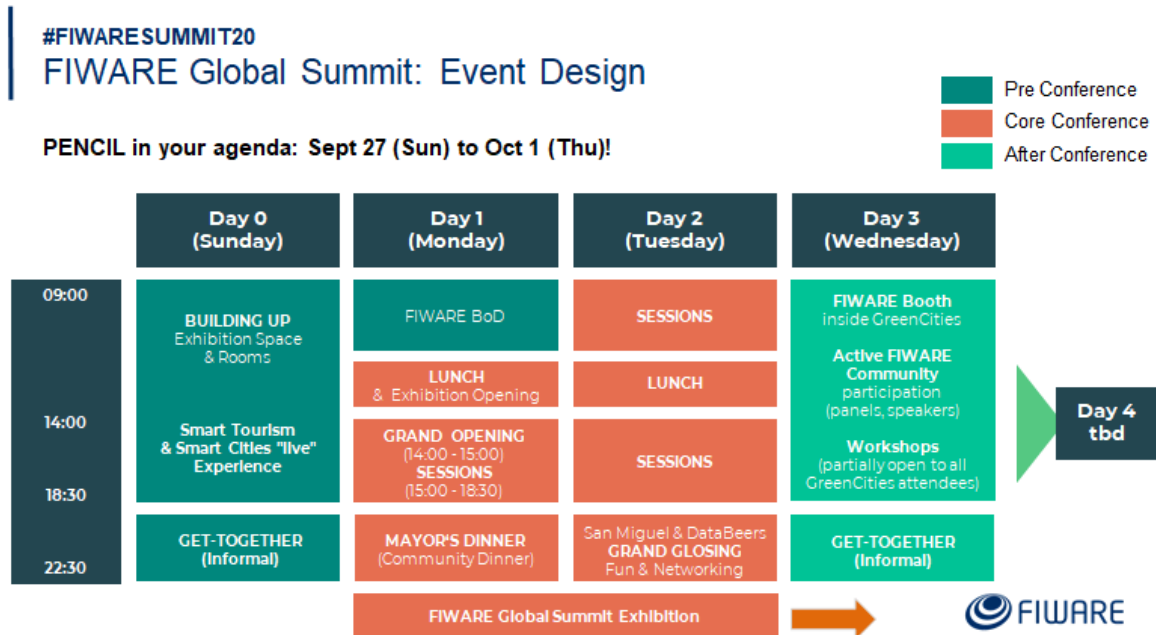
Some useful reminders:

- Call for Contributions: prolonged to May 15.
- Early-Bird tickets: until July 31.

As an indication of context, the schedule from the 3 day Malaga bootcamp in December can be found here: https://fiware.zone/bootcamp/ - we need to decide what to drop if we are only running two days of developer/experts track.

Some slide decks from the bootcamp can be found here: https://drive.google.com/drive/u/0/folders/1LVFkyqSqvkMF1cmxAo_5Z17bLlTukJVs

Relevant recent and upcoming events

For those who may be interested, meetings of the WG on FIWARE Robotics Tech Roadmap have been defined bi-weekly, starting on May 29th from 08:30 to 10:00. Connect to Francisco Melendes or Juanjo to receive information.

Gold members call on May 25th.

Background info:

Always keep in mind next [FIWARE webinars](#) and advertise!

Upcoming events (members are welcome to add more entries):

- [Smart City Expo World Congress (SCEWC)](#) on November 17-19, 2020.
- [Hannover-Messe Industry (HMI) fair](#) on April 12-16, 2021.
- [FIWARE Summit](#) the week of September 28th in Málaga. More info in the section above.

It can be foreseen that the FIWARE Foundation will be present at the SCEWC and HMI with an exhibition booth. Contact the FIWARE Foundation marketing team in case you are interested.

Agenda of topics to be followed up in upcoming FIWARE TSCs

In general, based on the content of todays' call and the 8-week standard calendar below, you can derive the topics of the next TSCs. Nevertheless, see next TSC matches "week 1".

Background info:

A [folder](#) for exchange of working documents and minutes regarding the working groups has been created. Important: caretakers of each WG will be in charge of fine-tuning access privileges to their corresponding folder. We should allow anyone on the Internet to be able to find and view.

As per agreement taken in the TSC of June 3, the following 8-week calendar will be followed periodically:

- **Week 1**: Follow-up on progress of Core Context Management components part I (NGSI/NGSI-LD/ContextBroker/Orion/Scorpio/Orion-LD) + roadmap discussion on support of Digital Twin and RAMI 4.0 Asset Administration Shell concepts

- **Week 2**: Follow-up on progress of Core Context Management components part II (Cygnus, Draco, QuantumLeap) + roadmap discussion on blockchain

- **Week 3**: Follow-up on progress of componentes for the Interface with IoT (IDAS, Open MTC) + roadmap discussion on IoT evolution aspects (interface with WoT, edge computing, ...

- **Week 4**: Follow-up on progress of Interface with robotics components (Fast RTPS, Micro XRCE DDS) + roadmap discussion on robotics

- **Week 5**: Follow-up on progress of Context processing components (Kurento, Cosmos, Perseo) + roadmap discussion on AI

- **Week 6**: Follow-up on progress of visualization and analytics components (Wirecloud, Knowage), Publication and Monetization components (Idra, BAE, Marketpace, CKAN extensions) + roadmap discussion on Data Economy support and mapping of IDS

Broker concepts

- **Week 7**: Follow-up on progress of Security and API Management components + roadmap discussion on Identity and Data Access/Usage control + mapping of IDS Connector concepts

- **Week 8**: Follow-up on progress of Deployment tools (Mastermind, also Fogflow for distribution between cloud and edge)

A common topic regarding follow-up of any of the components will be that of:
- Evolution to support NGSI-LD
- Compliance with FIWARE Contribution Requirements
- Creation of Tutorials
- Creation of Webinars

Any Other Business

No other business. The meeting closed.