

# FIWARE TSC meeting minutes

## Meeting Information

Date/Time of the Meeting:	July 15, 2019. 10:30-12:30 CEST
Name of the meeting:	FIWARE Technical Steering Committee (TSC) meeting
Venue/bridge info:	GoToMeeting: <a href="https://global.gotomeeting.com/join/296239285">https://global.gotomeeting.com/join/296239285</a>
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 - deputy	Y
Stefan Gessler	NEC (Platinum member) representative	Y
Marc Despland	Orange (Platinum member) representative	-
Marcos Reyes	Telefónica (Platinum member) representative	-
Chandra Challagonda	Trigyn	-
Jose Manuel Cantera	Core chapter	-
Fermín Galán	Core chapter	-
Eduardo de la Iglesia	Context Processing chapter	Y
Tejinder Kaur	Context Processing chapter	Y
Davide Zerbetto	Visualization Chapter	Y

Álvaro Arranz	Visualization Chapter	-
Gabriele De Luca	Interface to IoT and other systems	-
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	-
Jason Fox	FIWARE Tutorials	Y
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	-
Miguel Jiménez	Remarkable individual	Y
Martin Bauer	Remarkable individual	Y
Federico M. Facca	Remarkable individual	-
Joaquín Salvachua	Remarkable individual	Y
Davide Dalle Carbonare	Remarkable individual	Y
Juanjo Hierro	Remarkable individual	Y
Stefano de Panfilis	Remarkable individual	Y
Other members of the FIWARE Community present at the meeting		
Jose Gato	Atos	-
Dmitrii Demin	FIWARE Foundation, DevOps Engineer	-
Bin Cheng	FogFlow GE Representative	-
Tomas Aliaga	Individual - Martel Innovate	-

Andrea	Individual - Martel Innovate	-
Rafael Fernández	FICODES	-
Gernot Boege	FIWARE Foundation	Y
Germán Molina	HOPU (Gold Member)	Y
Ken Zangelin	FIWARE Foundation	-
Parwinder Singh	NEC (FIWARE Community Support)	-
Felipe Roca	HOPU (Gold Member)	-
Ilari Mikkonen	APInf	Y
Angelo Marguglio	ENGINEERING	-
Francisco Melendez	FIWARE Foundation	Y
Alexander Wilner	Fraunhofer FOKUS	-
Andres Muñoz	UPM	Y
Sonsoles López	UPM	Y

## Proposed agenda topics

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

- Roadmap discussion on AI (Artificial Intelligence)
- Follow-up on progress of Context Processing Components and Knowage
  - Cosmos
  - Kurento
  - Perseo
  - Knowage
- FIWARE Tutorials and Webinars
- QA Activities
- FIWARE Summit
- Upcoming events
- Reminder on agenda of topics to be followed up in upcoming FIWARE TSCs
- AOB

## Addressed topics

## Roadmap discussion on Artificial Intelligence (AI)

An [input document](#) has been produced by the FIWARE Foundation for initial discussion. Currently in the process to invite relevant experts (e.g., Paul Lukowicz from DFKI).

Joaquin mentioned that they have run discussion with Clara Pezuela regarding the [AI use case that was presented in Genoa](#). This can be used as input.

Joaquin mentions the opportunity to annotate datasets with metadata which may help to identify what AI algorithms might be suitable.

## Follow-up on progress of Context processing components

### Cosmos:

A [presentation](#) was made by Sonsoles López.

Discussion:

Tutorials regarding Comos-Flink to be integrated in the Step-by-step tutorials are under way and will be ready by end of September. It should include the difference between the use of Spark and Flink (in which scenarios one engine is more suitable than the other).

Work dealing with support to NGSI-LD will be initiated by the beginning of October.

The team reports that all the MUST requirements are already met.

### Kurento:

A [presentation](#) was made by Eduardo de la Iglesia.

Discussion:

Tutorials already available in the step by step (despite not necessarily linked to the supermarket use case, are considered enough).

In the way to meet FIWARE Contribution requirements.

### Perseo:

## Knowage:

A [presentation](#) was made by Davide Zerbetto.

NGSI-LD under analysis.

One MUST requirement not satisfied at the moment (versioning of API in the documentation) but should not be a problem to solve.

Contribution to step by step tutorial should be ready by October together with 7.2 version.,

## **Background info:**

For each component to be followed up, we will review:

- Development of tutorials and webinars
- Compliance with FIWARE Contribution requirements
- Support to NGSI-LD

The status as reviewed for 7.5 can be found in the [spreadsheet](#) - the plan was to update this spreadsheet once the 7.7 release was completed. This update is expected for the TSC of June 17th.

A list of open **MUST** issues can be found [here](#) - the assumption is many of these should now be closed.

## FIWARE Webinars and Tutorials

Anything to mention besides specific webinars and tutorials of the components followed up? No.

## **Background info:**

Addition of transcriptions of webinars in progress.

- **Introduction to FIWARE** is available in English and subtitles in Spanish and Japanese ( Russian in progress)
- **Introduction to Core Context** is available in English and subtitles in Japanese

It makes sense to transcribe/subtitle the basic intro stuff at least, whether this should be extended to other webinars would need more data. I guess an English transcription with community/auto-translate should be sufficient.

Whenever a basic English transcription is made available, we can open to subtitles to community editing

## QA Activities

Status, Stefano?

Stefano distributed the following link to the survey for revision by the TSC:

[https://docs.google.com/forms/d/1mDn5LisnSqMDaNnq0VK\\_hGV-3yfMQPL59ILxXHsnX0E/edit](https://docs.google.com/forms/d/1mDn5LisnSqMDaNnq0VK_hGV-3yfMQPL59ILxXHsnX0E/edit)

The TSC has to agree on the survey before circulating it to FIWARE GE owners.

Comments by Juanjo were addressed. Davide commented he had no major issues about the questionnaire itself, however he wonders how contract/invoice with Fraunhofer will be implemented. Perhaps it makes sense that the FIWARE Foundation plays a role as intermediary.

Joaquin mentions that the approach of paying such a service would be extremely difficult for organizations like UPM.

Stefan has sent an email with comments (subject: "[Fiware-technical-committee] Feedback on QA plans & survey", 05/07/2019, 17:06).

Some members of the BoD have expressed their interest to discuss the topic.

Stefano will generate a new version of the survey addressing feedback from Stefan and send it to the FIWARE GE owners. This way, input from GE owners will be valuable input for the discussion at BoD level.

Stefano to check issue with access privileges to the survey.

### **Background info:**

Stefano has worked on creating a survey to be distributed to FIWARE GE owners to check whether the existing proposal from Fraunhofer is acceptable from their side:

- 2000€ for first assessment by Fraunhofer for each of the existing FIWARE GEs.
- 500€ for running assessment of each new release of each FIWARE GEs.

## **FIWARE Summit**

A [presentation providing a brief on the FIWARE Summit in Berlin](#) has been produced. A reminder to everyone about the dates on October 23-24 (MSCs meetings will take place on 25th).

Soon periodic calls of the FIWARE Summit Program Committee will take place for reviewing contents.

During the two days of the public event, sessions on Tech Roadmap topics will be scheduled, with a structure consisting of a first section on input presentations and a second section on roadmap debate.

Caretakers of the different Tech Roadmap WGs will be responsible for identifying speakers and prepare topics. Juanjo will anyways bring support.

Mission Support Committee meetings (FIWARE iHubs and the various Domain Committees) will be planned the day after the public event (October 23-24).

Besides Jason and Juanjo from the FIWARE Foundation side, it would be great to have at least two other representatives from the TSC in regular FIWARE Summit Program Committee meetings.

### **Background info:**

The Marketing team at the FIWARE Foundation is working on a first sketch of the agenda for the next [FIWARE Summit in Berlin](#).

This time, cross-topic sessions will be merged with discussion on FIWARE Roadmap topics. Cross-topic sessions will be run during the two days of the public event. Structure each cross-topic session (1 hour) so that it comprises:

- Presentations from invited speakers (from inside or outside the Community)
- Session where FIWARE Roadmap activities linked to the topic are presented and discussed.

Following this approach, we may skip the FIWARE Roadmap meeting the day after while keeping discussion on the roadmap as inclusive as possible (indeed, open to the public). This may help to engage people in the Community.

We need as well to define the agenda of the developers' track.

## **Relevant recent and upcoming events**

July 10-12, Ulrich and Juanjo from the FIWARE Foundation as well as representatives of some FIWARE members (Atos, Trigyn, APIInf, FICodes) were attending the GCTC Expo event organized by NIST in Washington. Very positive outcomes and creation of connections which we hope will help to develop opportunities around FIWARE regarding Smart Cities in the US

A contact was established with IOTA Foundation representative (Matthew Yarger) who shows interest to join the Tech Roadmap discussion on blockchain.

## **Agenda of topics to be followed up in upcoming FIWARE TSCs**

Just a reminder about topics to be covered during the next TSC.

### **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 that anyone on the Internet 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) + roadmap discussion on support of Digital Twin and RAMI 4.0 Asset Administrative 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 components 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 (Wirecloud, Knowage), Publication and Monetization components + 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)

This schedule started on June 17th until August 5. Then we will interrupt until September 2nd, when we'll resume.

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

Find below the working groups which have been created for discussion of the several roadmap topics (Tech Roadmap WGs). I have added names of people assigned to make progress on the discussion (besides me, who will be pushing all ;-)) and the reference to the mailing list to be used for the discussion (including a link to the page anyone can use for requesting to join the mailing list)

- Roadmap discussion on support of Digital Twin and RAMI 4.0 Asset Administrative Shell concepts:
  - caretakers: Martin Bauer, José Manuel Cantera
  - mailing list ([subscription page](mailto:subscription_page)): [fiware-roadmap-digital-twin@lists.fiware.org](mailto:fiware-roadmap-digital-twin@lists.fiware.org)



- Roadmap discussion on Blockchain:
  - caretakers: Joaquin Salvachua, Juanjo Hierro
  - guest experts: Frederic Le Bris, Branimir Rakic
  - mailing list ([subscription page](#)): `fiware-roadmap-blockchain@lists.fiware.org`
- Roadmap discussion on IoT evolution:
  - caretakers: Martin Bauer, José Manuel Cantera
  - mailing list ([subscription page](#)): `fiware-roadmap-iot@lists.fiware.org`
- Roadmap discussion on Robotics:
  - caretakers: Jaime Martin-Losa, Francisco Melendez
  - mailing list ([subscription page](#)): [fiware-roadmap-robotics@lists.fiware.org](mailto:fiware-roadmap-robotics@lists.fiware.org)
- Roadmap discussion on AI:
  - caretakers: Joaquin Salvachua, Juanjo Hierro
  - mailing list ([subscription page](#)): `fiware-roadmap-ai@lists.fiware.org`
- Roadmap discussion on Data Economy (will include eventual discussion on how to map IDS Broker and IDS Clearing House functionalities)
  - caretakers: Francisco de la Vega, Martino Maggio, Juanjo Hierro
  - mailing list ([subscription page](#)): `fiware-roadmap-data-economy@lists.fiware.org`
- Roadmap discussion on Data Access/Usage Control (Data Sovereignty):
  - caretakers: Álvaro Alonso, Gernot Boege
  - mailing list ([subscription page](#)): `fiware-roadmap-data-usage-control@lists.fiware.org`

Regarding each of these roadmap topics, it is the ambition to generate a position paper by early September, so caretakers should take care of engaging relevant people in the discussions and activating the discussion, eventually organizing virtual/f2f meetings asap!

Caretakers have been added as administrators and moderators of the corresponding mailing lists. Note that the FIWARE Foundation plans to select a community messaging tool for running discussions/conversations but we will work with mailing lists until then.

## Any Other Business

No other business.