

1. Meeting Information

Name of the meeting:	FI-WARE WP13 Weekly Meeting
Date/Time of the Meeting:	Tue 24th September 10:00 - 11:30 CET
Inviting person:	Christof Marti (ZHAW)
Minute taker:	tbd (tentative All)
Place of the meeting:	Hangout
Connection details (if required):	
Link to this Document:	https://docs.google.com/document/d/1_1Js4cChdmcvmgJFb82LEMBUIAZXLmZJJ_vD17f_P4M/edit
Version:	1.0

2. Attendees

Name	Company / Organization	Participating (Yes/No/Comment)
Christof Marti	ZHAW	Yes
Philipp Slusallek	DFKI	
Torsten Spieldenner	DFKI	Yes
Felix Klein	DFKI (XML3D/Xflow)	
Stefan Lemme	DFKI / FI-Content	
Kari Autio	UOULU/CIE	
Jarkko Valtjus-Anttila	UOULU/CIE/Cyber	
Esa Posio	Cyber	Yes
Toni Alatalo	Playsign	Yes (after Erno made room..)
Erno Kuusela	Playsign	Yes
Lasse Öorni	LudoCraft	Yes
Tommi Hollström	Adminotech	No
Cvetan Stefanovski	Adminotech	No room in hangout
Jonne Nauha	Adminotech	Yes
Tharanga Wijethilake	Cyberlightning	Yes
Antti Karhu	UOULU/CIE	Yes
Ari Okkonen	UOULU/CIE	Yes

4. Topics discussed and Agreements

Tentative Agenda:

Id	Topic
1	Admin Dissemination Report Delivery (D12.2.4) In the coming days WP12 has to deliver the Dissemination report WP12 Deliverable D12.2.4. Please, do ensure all your trips are properly covered in the sections below, as long as non-listed trip's expenses might be rejected later on. The only thing needed from ALL companies within FI-WARE is to complete the following sections as per your activity the last year: (just add your contributions since you joined and send a short message to Carlos) 1. Dissemination activities (Scientific papers and pannels, articles, book chapters, events, training materials, tutorials ...) http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Dissemination_activities 2. Communication activities (Press releases, interviews, newsletters ...) http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Communication_activities 3. Collaboration activities, http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Collaboration_activities (e.g. relations to communities "realexten.org"?) Best to provide an introductory text and references by email to Carlos) Deadline: this Friday 27.9 EOB Partner Description on FI-WARE wiki: Please add a partner description to the public FI-WARE wiki: http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Partners (will also be used for references from the Architecture and OpenSpecification pages) I will prepare the template pages and add links here after the meeting: • Playsign • Ludocraft • Adminotech • Cyberlightning • Oulun Yliopisto Deadline: 5.10.2013

	Telco Data Powwownow dial-In numbers: http://pdf.powwownow.com/pdf/CHE_en_pwn-dial-in-numbers.pdf PIN: 397204 Info about Uoulo-Partner work meeting in AOB section
2	Architecture Proposed Schedule (from last week): • First draft until Fr 20.9 • Finalise until Mi 25.9? • Internal review until Monday 30.9 • Fixes and deliver to FI-WARE until 5.10 Status? • Ready for internal review by Monday 30.9 • Peer review and fixes until end of week 5.10 Architecture and OpenSpecification pages in FI-WARE privat wiki: Official for the OpenSpecification pages for all GEs in the FI-WARE private wiki: http://forge.fi-ware.eu/plugins/mediawiki/wiki/fi-ware-private/index.php/WP13_Integration They are filled now with empty templates and have to be filled with the final content for the deliverable. See the Middleware as a already available GE or all the examples of the other GEs in the public wiki: http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Summary_of_FI-WARE_Open_Specifications Who: GE owners Available for internal review: 30.9. Available for FI-WARE review: 5.10. Reviewers: ■ FIWARE.OpenSpecification.MiWi.XML3D ○ Toni Alatalo ■ FIWARE.OpenSpecification.MiWi.Synchronization ○ Torsten Spieldenner ■ FIWARE.OpenSpecification.MiWi.CloudRendering ○ Lasse Öörni ■ FIWARE.OpenSpecification.MiWi.GISDataProvider ○ (Toni if no one else) ■ FIWARE.OpenSpecification.MiWi.POIDataProvider ○ (Toni if no one else) ■ FIWARE.OpenSpecification.MiWi.2D-3D-Capture ○ Erno Kuusela ■ FIWARE.OpenSpecification.MiWi.InterfaceDesigner ○ Toni Alatalo

- [FIWARE.OpenSpecification.MiWi.VirtualCharacters](#)
 - Toni Alatalo
- [FIWARE.OpenSpecification.MiWi.RealVirtualInteraction](#)
 - (Jonne? Toni if no one else)
- [FIWARE.OpenSpecification.MiWi.AugmentedReality](#)
 - Toni Alatalo

Architecture overview

We also need to have some kind of overview-picture (fmc) which shows how the components fit together on the Chapter Architecture

page: http://forge.fi-ware.eu/plugins/mediawiki/wiki/fi-ware-private/index.php/Advanced_Middleware_and_Web_UI_Architecture

And a matching description of the overall architecture. (Example see here: http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Data/Context_Management_Architecture)

Who: Torsten

Draft available: if possible 2.10 (latest 4.10)

Tool used in FI-WARE to edit FMC documents:

Link to document from Architecture meeting in Winterthur:

https://docs.google.com/document/d/1Sr4rg44yGxK8jj6yBsayCwfitZTq5Cdyb_xC25v_hhE/edit

Requirements document (from Toni):

<https://docs.google.com/document/d/1P03BgfEG1Ly2dl2Cs9ODVDmBhH4A438Ynlaxc4vXn1o/edit>

Idea is to define some use cases and test cases to verify the GEs against.

AP: Start to collect ideas for test cases. 1 global (FI-CONTENT?) and smaller GE specific → Section with Wiki pages

About the integrating main use case:

- current idea for the global integrating one is mentioned in that document at <https://docs.google.com/document/d/1P03BgfEG1Ly2dl2Cs9ODVDmBhH4A438Ynlaxc4vXn1o/edit#heading=h.qflk54puc3rr>
- discussed in July Winterthur meeting with this slide, <https://docs.google.com/presentation/d/1mlGS1shtJQyKVc0iMwpG5hvwB8hmw8cAAvL4JjZHhqE/edit#slide=id.p>

It has been also discussed in the telcos related to FI-CONTENT's intelligent city activities.

small specific ones:

- 4 AR & POI ones that are implemented at CIE, <https://github.com/Chiru/WeX/>

Current status of the GE definitions?

Basic Client- and Server GEs

- [XML3D Technology](#) (Philipp, Torsten)
 - Content should be available until end of week
- [Synchronization Server](#) (Lasse Öörni / LudoCraft)
 - set up meeting begin of next week to discuss protocol, ... (Thorsten, Philipp, Lasse)

Supporting Web-Services

- [Cloud Rendering Server](#) (Jonne Nauha / Adminotech Ltd.)
- [3D GIS Data Provider](#) (Sami Jylkkä / Cyberlightning)
- [POI Data Provider](#) (Ari Okkonen / CIE, univ Oulu)
- [2D-/3D Capture Server](#) (Tharanga Wijethilake / Cyberlightning)

Application-oriented GEs

- [Interface Designer](#) (Cvetan Stefanovski / Adminotech Ltd.)
- [Virtual Characters](#) (Lasse Öörni / LudoCraft)
- [Real-Virtual Interaction](#) (Tomi Sarni / Cyberlightning)
- [Augmented Reality](#) (Antti Karhu / CIE, univ. Oulu)

==== Relevant Background from previous weeks

----Update from 18.9.2013

Current status of the GE definitions?

Basic Client- and Server GEs

- [XML3D Technology](#) (Philipp, Torsten)
- [Synchronization Server](#) (Lasse Öörni / LudoCraft)
 - Torsten will add content of DFKI as available (end of week)
 - possibly separate meeting to discuss content

Supporting Web-Services

- [Cloud Rendering Server](#) (Jonne Nauha / Adminotech Ltd.)
- [3D GIS Data Provider](#) (Sami Jylkkä / Cyberlightning)
 - should be ready by Friday
- [POI Data Provider](#) (Ari Okkonen / CIE, univ Oulu)
 - should be ready by Friday

- involve Stefan Lemme (FI-Content)
- **2D-/3D Capture Server** (Tharanga Wijethilake / Cyberlightning)

Application-oriented GEs

- **Interface Designer** (Cvetan Stefanovski / Adminotech Ltd.)
- **Virtual Characters** (Lasse Öörni / LudoCraft)
- **Real-Virtual Interaction** (Tomi Sarni / Cyberlightning)
- **Augmented Reality** (Antti Karhu / CIE, univ. Oulu)
 - sync with VTT required. try to add until Friday
 - organise call about AR next week (doodle)

Proposed Schedule:

- First version end of this week (20.9)
- Finalise until mid next week (25.9)
- Review end of next week/weekend (30.9)
- Fixes and deliver to FI-WARE until 5.10

----Update from 11.9.2013

Collection of details about realXtend Tundra:

https://forge.fi-ware.eu/plugins/mediawiki/wiki/miwi/index.php/Current_realXtend_Tundra_implementation_details

Thorsten and Sergiy are creating an architecture description of the DFKI xml3d architecture.

Keep number of GEs small.

Parts to discuss as separate topics (GEs?):

List of pages for GEs is in wiki

now: https://forge.fi-ware.eu/plugins/mediawiki/wiki/miwi/index.php/Main_Page#List_of_GEs

Questions:

- One or two protocols (realXtend, KIARA)? Common API but different implementations?
- Audio/Sound plugin (similar to physics)?

APs:

- Philipp will send consolidated GE-List by email.
- We will add the list to the wiki
- Assign GE owners
- Collect infos ideas, discuss on separate wiki scratch-page per GE
- Finally fill in the official FI-WARE Architecture and OpenSpecification pages.

==== 4.9.2013

Goal for this meeting is to define the process and next steps to define the WP13 architecture.

There are some cornerstones for this:

- **We have to deliver the OpenSpecifications of the GEs until end of October (M30) to the EC**
(examples for Open Specifications from the public wiki:

https://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Summary_of_FI-WARE_Open_Specifications)

(example of a deliverable of the data chapter which is generated from the wiki:

<https://forge.fi-ware.eu/docman/view.php/7/2534/D.6.1.2+FI-WARE+GE+Open+Specifications+-+Data+vfinal.pdf>)

- To have enough time to review the document (also by other partners/chapters) for good quality, **we should have a first version ready by end of September**
- We will then deliver an updated version (including a first release of the Open API Specification, Software, Installation&Admin Manuals, User&Developer Manuals, Unit-Testing-Plan) **until end of January (M33)**

To do this we need the definition of the basic architecture:

- Identify the components
- Define the GEs (and GE owners)
- Define the Interfaces between the GE (later to become Open API Specifications of the GEs)

Examples from other chapters are here:

https://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/FI-WARE_Architecture

Document of the kick-off meeting containing the draft architecture:

https://docs.google.com/document/d/1Sr4rg44yGxK8jj6yBsayCwfitZTq5Cdyyb_xC25vhhE/edit

OpenQuestions:

- Which are the components to become GEs?
- How to map this to the epics:
https://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Materializing_Advanced_User_Interfaces_in_FI-WARE
- What are the technologies to use?
- What are the Interfaces/APIs?
- Who will be owner of which GE
- I guess we need a F2F meeting (When, Where)?

Discussion - Philipps proposal:

Start with a few GEs where multiple Epics are combined. To avoid overhead.

Separating to smaller is possible later.

- client GE
 - core:
 - 2d & 3d UI, dataflow processing, hardware support
 - implementation of xml3d + behind scenes things
 - application / tools:
 - virtual characters
 - interface designer
- server GE
 - includes cloud rendering
- protocol / sync as separate?
 - can be seen as a part of the server GE
- GIS / POI in same or separate?
 - POI separate

Tool to create FMC diagrams: [How to install FMC stencils in yEd](#)

AP: Create basic structure and template for Architecture & GE Spec (Christof)
Meeting on technical aspects (XML3D integration,...) on Friday 10 CEST

3	
X	AOB Uoulo-Partner work meeting Erno is proposing a meeting for the Uoulu partners this/next week to get to know each other and sync the work (see mail in mailing list). Doodle: http://www.doodle.com/zzqiqsx5wue3zgux Location: ?

6. Summary of action points

(Actions points of this meeting are embedded in the “discussion topics” within the previous section above.)

Id	Action point	Responsible	Due
AP-0			
AP-1			
AP-2			
AP-3			
AP-4			

7. Reference documentation

This minutes will be uploaded to the WP13 forge repository (<http://forge.fi-ware.eu>), as soon it will be available.