



# From Data to Value

Open Source | Open Standards | Open Community

VIENNA, AUSTRIA / 12-13 JUNE 2023

# Program

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as of June 9, 2023

Hosting  
Partner



# Welcome

*We are looking forward to welcoming the FIWARE Community, an enormous line-up of global experts and hundreds of interested participants and guests in the city of Vienna that together with the Vienna Business Agency have been FIWARE Members for many years. People from around all continents will travel here, in the city that combines traditions, creativity and digital innovations, to discuss how to progress together with Open Source and open standards towards a more open and sustainable digital world.*



**Ulrich Ahle**

**CEO**

FIWARE Foundation

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*We cannot wait to open the doors to one of the most amazing locations FIWARE Global Summit has ever been, the Vienna Town Hall. Not only will we welcome our member number 600 there, we will also allow any interested guest to stop by and find out more about FIWARE, or to celebrate several new iHubs, the new setting of our Evangelists program or experience the Walk Of Fame. From Data to Value, our motto this year, will present lots of ideas on how to realize such 'value' on a practical level in diverse sectors.*



**Cristina Brandtstetter**

**CMO**

FIWARE Foundation

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# The Program in a nutshell

**MONDAY 12 JUNE**

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FESTSAAL – Main Stage – Grand Opening →

WAPPENSAAL – Market and Strategies →

SISISAAL – Disruptive Tech & Trends →

STEINSAAL II – Scientific, Academia and Funded Projects →

FESTSAAL – Main Stage – Plugg Sessions →

FESTSAAL – Right Side – Matchmaking Event →

FESTSAAL – Chapel Right Side – Workshops →

FRANZSAAL – Hands-on and Use Cases and References →

## From Data to Value

Open Source | Open Standards | Open Community

Vienna, Austria – 12-13 June 2023

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### TUESDAY 13 JUNE

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WAPPENSAAL – Market and Strategies →

SISISAAL – Disruptive Tech & Trends →

STEINSAAL II – Scientific, Academia and Funded Projec →

FESTSAAL – Main Stage – Plugg Sessions →

FESTSAAL – Right Side – Matchmaking Event →

FESTSAAL – Chapel Right Side – Workshops →

FRANZSAAL – Gaia -X Event @ FIWARE Global Summit →

### AFTER-SUMMIT PROGRAM

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FIWARE On-site Training →

The FI-Dinner →

German-speaking network meeting →

## Monday 12 June

### PROGRAM OVERVIEW

- 8:30 – 18:00 **Registration**
- 11:00 – 12:00 **FIWARE General Assembly 2023**  
Open to members by invitation only. **WAPPENSAAL ROOM**
- 12:00 – 13:30 Lunch Time
- 13:30 – 15:30 **Grand Opening**
- 15:30 – 16:00 Coffee Break
- 16:00 – 18:00 **Sessions**
- 18:00 – 19:30 **Mingle & Announcements**  
Before jointly taking off to FI-Dinner

### PROGRAM DETAILS

13:30-15:30 **FESTSAAL – MAIN STAGE**  
**Grand Opening**

#### From Data to Value

- Moderators Ulrich Ahle, CEO, FIWARE Foundation  
Cristina Brandtstetter, CMO, FIWARE Foundation
- Keynote Wolfgang Müller, Deputy CEO, City of Vienna  
Gerhard Hirczi, CEO, Vienna Business Agency  
Florian Tursk, State Secretary, Austrian Ministry of Finance  
Cameron J. Brooks, General Manager, Public Sector EMEA, AWS  
Boris Otto, Executive Director, Fraunhofer ISST  
Sophie Proust, CTO, Atos  
Jonathan Reichental, Founder, Human Future  
Björn De Vidts, Acting CEO, Athumi  
Abdulrahman Ibrahim, CDIO, Madinah Region Development Authority  
Marcus Scheiber, CEO, ms.GIS  
Andrea Battaglia, EMEA Market Incubation, Red Hat

Want to discover more? Here are some further details. →

16:00–18:00

WAPPENSAAL

### Market and Strategies

#### Smart Cities & Smart Mobility

##### FIWARE stories towards climate neutral cities

Moderator

Pierre Golz, CDO, City of Herne

16:00 – 16:10

##### Smart Buildings Analysis with Digital Twins

Flavio Bono, Project Portfolio Leader JRC-EC

Giovanni Vaglica, IT Engineer, JRC-EC

16:10 – 16:20

##### Monaco's Smart Territory strategy leads to a FIWARE-based Smart Cloud infrastructure

Christophe Pierre, Director of Digital Uses Development, Government of Monaco

16:20 – 16:30

##### URBES: Urban Environmental system for Sustainability

Gaetano Volpe, CEO, Latitudo 40

16:30 – 16:40

##### Open Source ecosystem in Herne as gamechanger for Smart City development

Pierre Golz, CDO, City of Herne

16:40 – 16:50

##### Smart Communities in Denmark: Start small, but get intelligent fast

Mads W. Bonne, Director of Innovation Strategy, KMD

16:50 – 17:00

##### Enhancing the quality of living with Smart Cities

Dilip Hanumara, CEO, Trigyn Technologies

17:00 – 17:10

##### Tidy City – Mobile computer vision solution to monitor public space infrastructures

David Aveiro, Assistant professor, University of Madeira

17:10 – 17:20

##### Clean Autonomous Public Transport Network: A project for intermodal mobility in the future

Björn Schwarze, CEO, ADDIX

17:20 – 17:30

##### The integrate Mobility Concept

Giovanni Coppa, Coordinator Astrid iHub, WOBCOM

17:30 – 17:40

##### Aggregated Smart City Solutions Powered by FIWARE

Judith Schultze, Business Development and Sales Smart City, EDAG

17:40 – 17:50

##### The highway to achieving OSD 13

John D. Babyack, Smart Cities Sales Manager, Libelium

17:50 – 18:00

##### From local to Capital: Data journey and innovation process from smaller cities to the Capital

Irene Provvidenza, Project Manager, FIWARE Innova iHub

Want to discover more? Here are some further details. →

16:00–18:00

SISISAAL

### Disruptive Tech & Trends

#### Making Data Spaces happen!

##### Roadmap on Data Spaces

Moderator Juanjo Hierro, CTO, FIWARE Foundation

16:00 – 16:15 **Overview, vision and the concept of FIWARE Data Space Connector**

Juanjo Hierro, CTO, FIWARE Foundation

16:15 – 16:30 **Data Spaces in the Digital Europe Programme**

Clara Pezuela, VP Funded Programs, FIWARE Foundation

16:30 – 16:45 **Decentralized Trust services and IAM for Data Spaces**

Jesus Ruiz, Senior Consultant, FIWARE Foundation

16:45 – 17:00 **Data value creation in Data Spaces: monetization and marketplaces**

Juanjo Hierro, CTO, FIWARE Foundation

17:00 – 17:15 **CaPe: A solution for consent and privacy management in Data Spaces**

Martino Maggio, Researcher, Engineering

17:15 – 17:30 **Data Spaces in practice – Sharing insights from Smart Cities Data Spaces**

Syrine Souissi, Business Development Manager, AWS

Andre Sa, Solutions Architect, AWS

17:30 – 17:45 **International Data Spaces Collaboration:  
A first Data Space trial between Japan and EU**

Ernö Kovacs, Senior Manager, NEC Lab Europe

17:45 – 18:00 **Building Robust European Data Spaces:  
Safeguard your Data with Anubis and Amon**

Giovanni Rimassa, CIO, Martel Innovation

Want to discover more? Here are some further details. →

16:00–18:00

STEINSAAL II

### Scientific, Academia and Funded Projects

#### Tech at the edge:

##### trends reshaping the future with FIWARE

Moderator Stefano De Panfilis, COO, FIWARE Foundation

16:00 – 16:20 **Frugal AI in a hospital environment with FIWARE**

Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid

- 16:20 – 16:40 **Bringing FIWARE to the 3rd spatial dimension**  
Luis Muñoz, Professor, University of Cantabria
- 16:40 – 17:00 **AI-based “quality control gates” design to lead the evolution of quality in manufacturing: from inspection to quality 4.0**  
Nejib Moalla, Professor, Université Lumière Lyon 2
- 17:00 – 17:20 **Benefits and risks of integrating artificial intelligence in FIWARE: a cybersecurity point of view**  
Luigi Romano, Head of the Fault and Intrusion Tolerant Networked
- 17:20 – 18:00 **Panel Discussion: “Artificial Intelligence: a Threat or a Benefit?”**  
Moderator Stefano De Panfilis, COO, FIWARE Foundation  
Panelists Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid  
Luis Muñoz, Professor, University of Cantabria  
Nejib Moalla, Professor, Université Lumière Lyon 2  
Luigi Romano, Head of the Fault and Intrusion Tolerant Networked

[Want to discover more? Here are some further details. →](#)

16:00-16:40

### FESTSAAL – MAIN STAGE Plugg Sessions

#### **From vision to business, meet YOUR opportunities powered by FIWARE Accelerators and Partners.**

How to do business, how to learn, how to get funding, how to reach out to the market?

Moderator Karen Vega, Business Developer, FIWARE Foundation

- 16:00 – 16:10 **The EIC funding opportunities for deep tech SMEs**  
Giovanni La Placa, Project Advisor, EISMEA, European Commission
- 16:10 – 16:20 **Grant supported innovation journey: from funding towards market readiness**  
Margherita Volpe, R&I Consultant, Zabala
- 16:20 – 16:30 **Acceleration, funding and business opportunities in Vienna**  
Bernhard Schmid, Team Leader, Vienna Business Agency
- 16:30 – 16:40 **Leap into EU Funding & International Venture Readiness Opportunities**  
David Seoane, Head of Communities, FundingBox

[Want to discover more? Here are some further details. →](#)



**16:40-17:40** **FIWARE Impact**  
Stories from big tech companies, Governments and Cities contributing to digital transformation of the territory  
Moderator Karen Vega, Business Developer, FIWARE Foundation

16:40 - 16:55 **Madinah innovation labs**  
Walaa Alharthi, Innovation Lab Manager, MRDA

16:55 - 17:10 **Real Time Dashboard**  
Lukas Kuenzel, CTO, ms.GIS

17:10 - 17:20 **Implementing a Modern Data Platform for Monaco based on FIWARE. A Case Study in Sovereign Nation Transformation**  
Laurent Curnier, Senior Consultant, Government of Monaco

17:20 - 17:30 **Building Smarter places with the smart territory framework**  
Ali Benfattoum, IoT & Smart Cities Specialist, AWS

17:30 - 17:40 **Crowd management for events by using Open Source technology**  
Christian Drucks, CTO, Herne.Digital

[Want to discover more? Here are some further details. →](#)

**17:40-18:00** **Smart Cities book Presentation**  
Moderator Oleg Korneev, Marketing Manager, FIWARE Foundation

17:40 - 17:50 **Urban Sense: The data collaboration story of three cities**  
Gert de Tant, CEO, SIRUS

17:50 - 18:00 **DOLL Living Lab – Toward a FIWARE-Enabled Collaborative Local Digital Twin**  
Ben Cahill, Innovation Consultant, DOLL Living Lab

[Want to discover more? Here are some further details. →](#)

**17:00-18:00** **FESTSAAL – RIGHT SIDE**  
**Matchmaking Event**

### Matchmaking with Accelerators, Experts in funding and DIHs

An unmissable Matchmaking event will take place in the amazing atmosphere of Vienna Rathaus as one of the core activities of the FIWARE Global Summit. Today, networking and matchmaking meetings are crucial in helping companies achieve multiple objectives: generating new business relationships, accelerating skills development, increasing knowledge networks, initiating innovative

projects, and discovering key funding opportunities. The Matchmaking sessions have already been booked by attendees, but you might still be lucky enough to find available space. Please go to the Summit front desk and inquire with the FIWARE Staff.

### The Experts

**David Seoane, FundingBox**

Funding Opportunities, Networking, Business Training

**Margherita Volpe, Zabala**

Funding Opportunities, Consultancy Services, Training and Mentoring

**Irene Provvidenza, DIH FIWARE Innova hub**

Networking Training and Mentoring, Support for FIWARE adoption

**Clara Pezuela, FIWARE Foundation**

Consultancy on EU Funding Opportunities

**Aleksandar Vrglevski, Vienna Business Agency**

Consultancy for Startup and SMEs, Technical Advice, Funding

[Want to discover more? Here are some further details. →](#)

17:00-18:00

FESTSAAL – CHAPEL RIGHT SIDE

## Workshwops

### Open Culture & DevOps workshop for FIWARE projects

Moderators

David Hanacek, Senior Solution Architect, Red Hat

Stephan Kraft, Software Developer Advocate, Red Hat

[Want to discover more? Here are some further details. →](#)

16:00-18:00

FRANZSAAL

## Hands-on and Use Cases and References

From 16:00

### Strategic FIWARE programs, Services and Products

Moderator

Jason Fox, Technical Expert & Evangelist, FIWARE Foundation

16:00 - 16:10

### FIWARE Training

Jason Fox, Technical Expert & Evangelist, FIWARE Foundation

16:10 - 16:20

### FIWARE Marketplace

Xhulja Melyshi, Marketplace Manager, FIWARE Foundation

- 16:20 – 16:30 **Marketplace pitch session**  
**somware.space** – Vincent Demortier, President of DIH Faubourg Numérique  
**ADI-FI** – Björn Schwarze, CEO, ADDIX  
**Bikes and Scooters Smart Locker Parkings**  
Manuel Losada, Market Development Manager, NOVALITY
- 16:30 – 16:40 **Thermodynamics meet FIWARE to address climate change with context-aware environmental impact assessment**  
Antonio Jara, CSO, Libelium
- 16:40 – 17:00 **Eridanis announces the first FIWARE integrated data platform for healthcare**  
Emmanuel Gavache, CEO, Eridanis  
Hilton Mancio, Executive Superintendent of Tacchini Health System, Tacchini
- 17:00–18:00 Experiences with Smart Data Models**  
Moderator Alberto Abella, Data Modelling Expert & Evangelist, FIWARE Foundation
- 17:00 – 17:10 **Smart Data Models within a Data Enrichment Toolchain: The SALTED project approach**  
Victor Gonzalez, Research fellow, Universidad de Cantabria
- 17:10 – 17:20 **FIWARE Smart Data Models and Public Open Data in SmartCities**  
Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid
- 17:20 – 17:30 **Smart data model generation for Big Data models in a solar thermal power plant**  
Inga Miadowicz, Researcher, German Aerospace Center
- 17:30 – 17:40 **Use NGSi-LD smart data models mapped from HL7/FHIR standard for an hospital digital twin project**  
Alain Galdemas, Technical director, Eridanis
- 17:40 – 17:50 **Leveraging FAIR and Meloda 5 principles into the Smart Data Models**  
Benoit Orihuela, Research Engineer, Easy Global Market
- 17:50 – 18:00 **Smart model right-sizing for Alert Management in water distribution networks**  
Gareth Lewis, Researcher, University of Exeter

[Want to discover more? Here are some further details. →](#)

**18:00 Mingle and Announcements**

**19:00 Ready for the FI-Dinner**

**20:00 FI-Dinner Opening**

## Tuesday 13 June

### PROGRAM OVERVIEW

8:00 – 16:00	<b>Registration</b>
9:00 – 12:00	<b>Sessions</b>
12:00 – 13:30	Lunch Time
13:30 – 15:30	<b>Sessions</b>
15:30 – 16:00	Coffee Break
16:00 – 17:00	<b>Sessions</b>
17:00 – 18:00	<b>Grand Closing</b>
18:00	<b>Mingle &amp; Network</b>

### PROGRAM DETAILS

9:00–17:00

**WAPPENSAAL**

## Market and Strategies

9:00–9:58

### Smart Manufacturing through Smart Data Sharing

Moderators

Angelo Marguglio, Research Area Manager, Engineering  
Ernö Kovacs, Senior Manager, NEC Lab Europe

9:00 – 9:08

#### FIWARE for Sustainable Value Networks in Manufacturing: connecting Data Sharing and Interoperability, Digital Twin and AI Platform

Angelo Marguglio, Research Area Manager, Engineering  
Ernö Kovacs, Senior Manager, NEC Lab Europe

9:08 – 9:18

#### 2Challenges and Approaches for a Common European Data Space in Manufacturing

Roland Sommer, CEO, Austrian Platform Industry 4.0

9:18 – 9:28

#### Combining NGSI-LD and SHACL: A Foundation for Next Generation Digital Process Twins in Manufacturing

Marcel Wagner, Software Architect, INTEL

9:28 – 9:38

#### Cognitive Application Platform and self-X AI tools: powered-by-FIWARE solutions for the Process Industry

Daniel Gómez Martín, Industrial Engineer, CARTIF

9:38 – 9:48 **WARNING – Worker Augmented Reality guidance IN aGile production shop floor**  
Federico D'Ambrosio, Researcher, INTELLIMECH

9:48 – 9:58 **FIWARE and AI TEF for Manufacturing: a win-win game**  
Maria Rossetti, Project Manager, MADE-CC

[Want to discover more? Here are some further details. →](#)

**10:00–11:00 Energy Data Sharing, Security, Efficiency, Profitability  
The Power of FIWARE for Advanced Energy Solutions**

Moderator Haydar Mecit, Professor, Bochum University of Applied Science

10:00 – 10:15 **Welcome + Secure Smart Grids facing Redispatch 2.0 and Business Modelling Challenges**

Haydar Mecit, Professor, Bochum University of Applied Sciences  
Leonie Wegener, Researcher, Bochum University of Applied Sciences

10:15 – 10:22 **Scalable monitoring of building energy systems**

Sebastian Blechmann, Research Associate, RWTH Aachen University

10:22 – 10:30 **A Fog Computing Architecture for Local Energy Markets**

Junsong Du, Research Associate, RWTH Aachen University

10:30 – 10:38 **Energy Data Space: Bringing together energy and data value chains to enable the energy transition**

Vincenzo Croce, Project Manager, Engineering

10:38 – 10:45 **Building a public common good to monitor energy infrastructure using a FIWARE platform**

Benoit Orihuela, Research, Easy Global Market

10:45 – 11:00 **Panel Discussion and Q&A:  
How FIWARE can contribute to Smart Energy?**

[Want to discover more? Here are some further details. →](#)

**11:00–12:00 Beyond Smart Cities  
Connecting geographies, sectors and platforms**

Moderator Michael Prange, Professor, Kiel University of Applied Sciences

Panelists Manglani Mannix, General Manager, MNX online  
Carlos Corrales, CEO, Secmotic  
Bjorn de Vidts, Acting CEO, Athumi Flemish Data Utility Company  
Abdulaziz Althobaiti Business and Systems Analyst, MRDA

[Want to discover more? Here are some further details. →](#)

- 13:30-14:30 Smart AgriFood**  
**From connected Agriculture to Data Spaces for the Food System**  
Moderator *Andrea Cruciani, Co-Founder & CEO, Agricolus and TeamDev*
- 13:30 - 13:40 Introduction: An overview of the scope and tools during the FIWARE SmartAgriFood MSC**  
*Andrea Cruciani, Co-Founder & CEO, Agricolus and TeamDev*
- 13:40 - 13:50 High spatial resolution crop monitoring indices from satellite images distribution using FIWARE technologies and smart data models**  
*Gaetano Volpe, CEO, Latitudo 40*
- 13:50 - 14:00 Combining earth observation data with ground IoT truth for advanced services: PixelTwins**  
*Johann Hoffelner, CSO, Linz Center of Mechatronics*
- 14:00 - 14:10 Data from Farm to Table with FIWARE**  
*Matic Serc, CEO, eVineyard*
- 14:10 - 14:20 Data Spaces as enablers for an evolution of the Data Economy for Food Systems**  
*Harald Sundmaeker, Senior Researcher, ATB Institute*
- 14:20 - 14:30 The Future of Connected Agriculture: challenges and opportunities**  
*John Wood, Business Development Manager, Libelium*

[Want to discover more? Here are some further details. →](#)

- 14:30-15:30 Smart Water**  
**FIWARE contributions to the ICT4Water action plan**  
Moderator *Franck Le Gall, CEO, Easy Global Market*
- 14:30 - 14:40 Introduction: ICT4Water cluster Renewed Action Plan**  
*Franck Le Gall, CEO, Easy Global Market*
- 14:40 - 14:50 Enhancing smart management of sewer systems through ML**  
*Marc Ribalta, Researcher, EURECAT*
- 14:50 - 15:00 Digital twins for decision support using the LOTUS project**  
*Gareth Lewis, Researcher, University of Exeter*
- 15:00 - 15:10 Becoming a data driven organization**  
*Alifita Ariestwi, Technical Lead, KWR Water*
- 15:10 - 15:20 Econom'o: digital twin driven Smart Irrigation**  
*Franck Le Gall, CEO, Easy Global Market*

15:20 – 15:30 **Water quantification and predictions of a watershed model simulation with IoT calibration**  
Ali Benbrahim, CEO, TriTUX

[Want to discover more? Here are some further details. →](#)

16:00–17:00 **Smart Ports**  
**From cosy marinas to big shipping ports: efficiency and safety for ports and around**

Moderator John Wood, Business Development Manager, Libelium

16:00 – 16:10 **Introduction: Smart Ports: how to guarantee fresh air from the seashores**  
John Wood, Business Development Manager, Libelium

16:10 – 16:20 **The Port Nervous System**  
Ana Pereira, Communication Manager, Ubiwhere

16:20 – 16:30 **FIWARE at the core of Port Operations, Seville PAIS platform**  
Francisco de la Vega, CTO, Flcodes

16:30 – 16:40 **Next generation Smartport Platform AURORA for optimization of port operations on the seaside**  
Coqui Garcia, Director Innovation, Hiades

16:40 – 16:50 **The port as a driving force for innovation in the region**  
Rocío Díaz Pereira, Hub Manager, La Lonja Tech

16:50 – 17:00 **Innovative technologies for Smart Marinas and Tourist Ports**  
Ioannis Kostopoulos, CEO, SAMMY

[Want to discover more? Here are some further details. →](#)

9:00–17:00 **SISISAAL**  
**Disruptive Tech & Trends**

9:00–10:30 **From Data to Wisdom: putting AI/ML at Work**  
**Roadmap on AI/ML**

Moderators Joaquín Salvachúa, Associate Professor, Polytechnic University of Madrid  
Benoit Orihuela, Benoit Orihuela, Research, Easy Global Market

9:00 – 9:45 **FIWARE AI/ML roadmap activities**  
Joaquín Salvachúa, Associate Professor, Polytechnic University of Madrid  
Benoit Orihuela, Research, Easy Global Market  
David Campo, Technical Expert & Evangelist, FIWARE Foundation

- 9:45 – 10:00 **TinyML: Machine Learning in the edge with FIWARE components**  
José Andrés Muñoz Arcentales, Assistant Professor,  
Polytechnic University of Madrid
- 10:00 – 10:15 **The need of effective data flows for Machine Learning and Deep Learning:  
from Structure, Learning to Performance on Applications**  
Miguel Gonzalez-Mendoza, Research Professor, Tecnológico de Monterrey
- 10:15 – 10:30 **Enhancing Smart Cities: Architectural Patterns for ML Workloads  
and MLOps Integration in Fiware-Enabled Platforms**  
Juan Camilo Ortiz, Head of Data, SKG Tecnología

Want to discover more? Here are some further details. →

- 10:30–12:00 Do Robots dream of Smart Solutions?  
Roadmap on Robotics**  
Moderator Francisco Meléndez, Tech Expert & Evangelist, FIWARE Foundation
- 10:30 – 10:40 **Introduction and Session Overview**  
Francisco Meléndez, Tech Expert & Evangelist, FIWARE Foundation
- 10:40 – 10:55 **FIWARE-based digital twins for Agile Production (MES+)**  
Francisco Meléndez, Tech Expert & Evangelist, FIWARE Foundation
- 10:55 – 11:10 **Optimization of material flows in warehouses and smart factory floors  
(Smart Fleet Management)**  
Peter Detzner, Researcher Associate, Fraunhofer IML
- 11:10 – 11:25 **Control architecture for smart greenhouses optimization:  
The Agroconnect/CyberGreen Use Case**  
Jorge Antonio Sánchez Molina, Associate Professor, University of Almeria
- 11:25 – 11:40 **Shop Floor Integration using I4.0 and NGSi Digital Twins**  
Miguel Aguilar, Researcher, Eviden
- 11:40 – 11:55 **FIWARE for OPC UA Robots (The i4Q Use Case)**  
Gabriele De Luca, Senior Researcher, Engineering
- 11:55 – 12:00 **Wrap up**

Want to discover more? Here are some further details. →

- 13:30–15:30 Digital Twin Peaks: Fire Walk with us  
Roadmap on Digital Twins**  
Moderator Martin Bauer, Senior Researcher, NEC
- 13:30 – 13:45 **Overview, vision on Digital Twins**  
Martin Bauer, Senior Researcher, NEC



- 13:45 – 14:00 **NGSI-LD Roadmap**  
Martin Bauer, Senior Researcher, NEC
- 14:00 – 14:15 **The marriage between LDES and NGSI-LD**  
Brecht Van de Vyvere, Linked Data Architect, Sirius  
Dwight Van Lancker, Information Architect, Flanders Digital Agency
- 14:15 – 14:30 **Collaboration of Digital Twins through Linked Open Data using FIWARE as enabling technology**  
Javier Conde, Assistant Professor, Polytechnic University of Madrid
- 14:30 – 14:45 **TwinPicks Platform enabling city uses cases based on NGSI-LD Digital Twins**  
Romain Magnani, Developer front end, Easy Global Market
- 14:45 – 15:00 **FIWARE Universe: A modern approach to wire the smart world (DigiBUILD, HYPERRIDE)**  
Alessandro Rossi, Project Manager and Researcher, Engineering
- 15:00 – 15:15 **Smart Village k8s Operator sets up Orion-LD, IoT Agent, and devices for easy OpenShift Data Science**  
Christopher Tate, Senior Consultant, Red Hat
- 15:15 – 15:30 **Q&A**

Want to discover more? Here are some further details. →

- 16:00–17:00 **FIWARE Player One: Smart in the Metaverse Roadmap on Advanced Visualization & Metaverse**  
Moderator Juanjo Hierro, CTO, FIWARE Foundation
- 16:00 – 16:05 **Introduction**  
Juanjo Hierro, CTO, FIWARE Foundation
- 16:05 – 16:30 **URBIM: a BIM-based framework for advanced visualization and management of digital twin systems**  
María Pascual, General Manager, URBIM
- 16:30 – 16:55 **Digital Urban Twins based on semantic 3D City Models**  
Stefan Trometer, Managing Director, VC Systems
- 16:55 – 17:00 **Wrap up**

Want to discover more? Here are some further details. →

9:00–17:00

STEINSAAL II

## Scientific, Academia and Funded Projects

9:00–10:30

### From Classroom to Industry: Empowering future developers with Open Source technologies

9:00–9:45

Insights from University Educators on Incorporating FIWARE into Programs

Moderator

Stefano De Panfilis, COO, FIWARE Foundation

9:00 – 9:10

**FIWARE: Enabling the Smart City Paradigm**

Luis Muñoz, Professor, University of Cantabria

9:10 – 9:20

**Smart Energy Education:**

**Empowering People to Realize Sustainable Energy Solutions**

Haydar Mecit, Professor, Bochum University of Applied Science

9:20 – 9:30

**FIWARE Bootcamp @ Unisalento:**

**From Big Data management to Big Data services**

Antonella Longo, Professor, University of Salento

9:30 – 9:40

**Insights from the Polytechnic University of Madrid**

Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid

9:40–10:30

**Workshop:**

**“How to empower future developers with Open Source technologies?”**

Moderator

Stefano De Panfilis, COO, FIWARE Foundation

Panelists

Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid

Antonella Longo, Professor, University Of Salento

Haydar Mecit, Professor, Bochum University of Applied Science

Luis Muñoz, Professor, University of Cantabria

[Want to discover more? Here are some further details. →](#)

10:30–12:00

### Innovation Projects with FIWARE

Moderator

Clara Pezuela, VP Funded Programs, FIWARE Foundation

10:30 – 10:40

**Introduction and session overview: FIWARE & EU projects**

Clara Pezuela, VP Funded Programs, FIWARE Foundation

10:40 – 10:50

**SPOTTED: Satellite Open Data for Smart City Services Development**

Francesco Mureddu, Director, The Lisbon Council

10:50 – 11:00

**Dydimos-Xr: Uses cases for dynamically updated Digital Twins**

Georg Thallinger, Research Manager “Smart Media Solutions”,

Joanneum Research

- 11:00 – 11:10 **DOME: Distributed Open Marketplace for Europe Cloud and Edge Services**  
Giuseppe Cafiso, Special Projects Lead, Engineering
- 11:10 – 11:20 **Q&A**
- 11:20 – 11:30 **BeOpen: Open framework for boosting EU High Value Datasets from Public Sector**  
Martino Maggio, Researcher, Engineering
- 11:30 – 11:40 **Wataverse: Water Data Management Ecosystem (WDME) for easy data management in the water sector**  
Fernando López Aguilar, Cloud & Platform Expert, FIWARE Foundation
- 11:40 – 11:50 **i4Trust: Data Spaces for effective and trusted data sharing**  
Ángeles Tejado, Senior Program Manager, FIWARE Foundation
- 11:50 – 12:00 **Q&A**

Want to discover more? Here are some further details. →

- 10:30–15:30 Open Data Cluster Closing Event**  
Promoted by CEF projects GreenMov, INTERSTAT, ODALA  
Moderator Stefano De Panfilis, COO, FIWARE Foundation
- 13:30 – 13:45 **Semantic challenges in Open data: The role of Interoperable Europe**  
Pavlina Fragkou, Project Manager, European Commission
- 13:45 – 15:15 **From raw data to smart mobility services for citizens**  
Carmen Perea Escribano, Head of Transport and Mobility, EVIDEN (Atos), GreenMov Coordinator  
Miguel Aguilar, Researcher, EVIDEN  
Benoit Couraud, Research Associate, University of Glasgow
- 15:15 – 15:25 **Flanders Smart Data Space: building linked data ecosystems**  
Annelies De Craene, Product Owner, Flanders Digital Agency
- 15:25 – 15:30 **Q&A**
- 16:00 – 16:30 **Collaborative, Secure and Replicable Open Source ‘Data Lakes’ for Cities**  
Benjamin Ditel, Data and Tech Enabler, City of Kiel, ODALA Coordinator  
Paolo Scicolone, Managing Director ATAM, City of Arezzo
- 16:30 – 17:00 **Enabling interoperability for Linked Open Statistical Data**  
Martino Maggio, Researcher, Engineering, INTERSTAT Coordinator  
Giuseppina Ruocco, Technologist, ISTAT  
Franck Cotton, Scientific Advisor, INSEE

Want to discover more? Here are some further details. →

9:00–17:00

FESTSAAL – MAIN STAGE

## Plugg Sessions

9:00–10:20

### Cross Border Collaboration at the core of the digital transformation

Moderator Mayte Carracedo, Partner & Chief Development and Partnerships Officer, FundingBox

9:00 – 9:10

#### Unlocking the potential of DIHs collaboration

Mayte Carracedo, Partner & Chief Development and Partnerships Officer, FundingBox

9:10 – 9:20

#### Digital Europe Programme and the new landscape to roll-out digital technologies: The Vienna Experience

Andreas Schmolmüller, Digitalization Expert, INNOVATE DIH

9:20 – 9:30

#### (E)DIHs networking at the national level – Needs, challenges and benefits

Anna Pajak, Board Representative, Future Industry Platform Poland

9:30 – 10:20

### Roundtable

#### Cross-border collaboration models involving (E)DIHs

Moderator Mayte Carracedo, Partner & Chief Development and Partnerships Officer, FundingBox

Andreas Schmolmüller, Digitalization Expert, INNOVATE DIH

#### i4Q example: roadshows

Hezam Haidar, Tech Manager, INTEROP-VLab and Ei2Network Manager

#### C2T example: certification in digital twin technology

Francesca Flamigni, Innovation and Funding Manager, C2T

#### Pioneer Data Spaces in EU

Vincent Demortier, President of DIH Faubourg Numérique

#### FIWARE iHubs Community beyond Europe

Mathieu Lemay, General Manager, MindfulTech Institute

[Want to discover more? Here are some further details. →](#)

10:20–11:30

### FIWARE iHubs

#### Empowering local presence of FIWARE communities worldwide

Moderator Jorge Osuna Pons, FIWARE Expert, FIWARE Space

10:20 – 10:40

#### Working Group 1:

#### How to improve collaboration in the FIWARE iHubs ecosystem

Moderated by Jorge Osuna Pons, FIWARE Expert, FIWARE Space

10:40 – 11:00 **Working Group 2:**  
**Following Living-in.eu principles – Sustainable digital transformation in cities and communities in the EU**

Moderated by Pierre Golz, CDO, City of Herne  
Irene Provvidenza, Project Manager, FIWARE Innova iHub

11:00 – 11:20 **Working Group 3:**  
**Collaborative Value Proposition building**

Moderated by Vincent Demortier, President of DIH Faubourg Numérique

11:20 – 11:30 **Conclusion and Next Steps**

Moderated by Gonzalo A. La Rosa, Executive Director, Ciudades del Futuro  
Ali Benbrahim, CEO, TriTUX

[Want to discover more? Here are some further details. →](#)

11:30-12:00 **Data Spaces Business Alliance**  
**Live connection with Data Week in Lulea**

Panelists Francesco Bonfiglio, CEO, Gaia-X  
Ulrich Ahle, CEO, FIWARE Foundation  
Ana Garcia Robles, CEO, BDVA  
Lars Nagel, CEO, IDSA

[Want to discover more? Here are some further details. →](#)

13:30-14:30 **FIWARE iHubs**  
**Experiences WorldWide**

Moderator Ángeles Tejado, Senior Program Manager, FIWARE Foundation

13:30 – 13:40 **Boston University infrastructure and research teamed with Red Hat reactive cloud development is operating our innovation hub faster**  
Christopher Tate, Senior Consultant, Red Hat

13:40 – 13:50 **Pleiades iHub: Fueling Innovation in IoT Cluster**  
Antony Cassano, President & Founder, Pleiades IoT Innovation Cluster

13:50 – 14:00 **iHub Base: The first FIWARE iHub in Japan**  
Shuhei Sasano, General Community Manager, iHub Base

14:00 – 14:10 **La Lonja a Pioneer ihub in Smart Ports**  
Lisandra Tamayo, FIWARE Dynamizer, La Lonja de la Innovación

14:10 – 14:20 **FIWARE mentoring: the human factor**  
Jorge Osuna Pons, FIWARE Expert, FIWARE Space

14:20 – 14:30 **MindfulTech Institute in Canada**  
Mathieu Lemay, General Manager, MindfulTech Institute

[Want to discover more? Here are some further details. →](#)

14:30–15:30 **Make Data Spaces come true!**  
Moderator Cristina Brandtstetter, CMO, FIWARE Foundation

14:30 – 14:35 **Welcome + introduction to the White Paper on Data Spaces**  
Cristina Brandtstetter, CMO, FIWARE Foundation

14:37 – 14:42 **Municipal Data Utility:  
Sovereign Data Sharing for Cities & Regions of Tomorrow**  
Lea Hemetsberger, Project Developer, DKSR

14:45 – 14:50 **Making Data Spaces Work For Everyone**  
Jim Craig, Product Manager, Red Hat

14:52 – 14:57 **Data for innovative, sustainable and user-friendly mobility solutions**  
Andreas Heindl, Project Leader, acatech

15:00 – 15:05 **Satellite Data Spaces for Urban Sustainability**  
Gaetano Volpe, CEO, Latitudo 40

15:07 – 15:12 **Data Spaces for Smart Cities: an application in Italy powered by FIWARE**  
Lanfranco Marasso, Program Director, Engineering

15:15 – 15:20 **Identifying trends for the future of Data Spaces:  
Minimum Viable Data Spaces**  
Sabine Gerdon, Business Development Manager, AWS

15:22 – 15:27 **Trends in the development and adoption of Mobility Data Spaces**  
Gadi Lenz, CSO, [ui!] UK

[Want to discover more? Here are some further details. →](#)

16:00–17:00 **Unleashing the Power of Data and Open Source Technology  
Driving Sustainable Growth and Collaboration in the Americas**  
Moderator Jonathan Reichental, Founder, Human Future

16:00 – 16:30 **Panel Discussion: North America**  
Moderator Jonathan Reichental, Founder, Human Future

Panelists Christopher Tate, Senior Consultant, Red Hat  
Salim Bendris, Executive VP Global Sales, NIVID Technologies  
Philippe Cases, CEO, Topio Networks  
Marcus Scheiber, CEO, ms.GIS

- 16:30 – 16:38 **LATAM Driving Green Transition in Urban Mobility in Manizales, Colombia**  
Juan Camilo Ortiz, Head of Data, SKG Tecnología
- 16:38 – 16:48 **BELLA II: The Europe–LATAM Link: expanding the digital ecosystem of Latin America and the Caribbean**  
Luis Eliecer Cadenas, CEO, RedCLARA
- 16:48 – 17:00 **Respira > RespirAR**  
**Collaboration across borders Spain and Argentina**  
Jorge Osuna Pons, FIWARE Expert, FIWARE Space

[Want to discover more? Here are some further details. →](#)

### ALL DAY

## FESTSAAL – RIGHT SIDE Matchmaking Event

### Matchmaking with Accelerators, Experts in funding and DIHs

An unmissable Matchmaking event will take place in the amazing atmosphere of Vienna Rathaus as one of the core activities of the FIWARE Global Summit. Today, networking and matchmaking meetings are crucial in helping companies achieve multiple objectives: generating new business relationships, accelerating skills development, increasing knowledge networks, initiating innovative projects, and discovering key funding opportunities. The Matchmaking sessions have already been booked by attendees, but you might still be lucky enough to find available space. Please go to the Summit front desk and inquire with the FIWARE Staff.

#### The Experts

**David Seoane, FundingBox**

Funding Opportunities, Networking, Business Training

**Margherita Volpe, Zabala**

Funding Opportunities, Consultancy Services, Training and Mentoring

**Irene Providenza, DIH FIWARE Innova hub**

Networking Training and Mentoring, Support for FIWARE adoption

**Clara Pezuela, FIWARE Foundation**

Consultancy on EU Funding Opportunities

**Aleksandar Vrglevski, Vienna Business Agency**

Consultancy for Startup and SMEs, Technical Advice, Funding

[Want to discover more? Here are some further details. →](#)

10:00-17:00

FESTSAAL – CHAPEL RIGHT SIDE

### Workshops

10:00-11:00

#### CEF Open Data Cluster focus group

Moderator

Margarida Campolargo, Manager, OASC

[Want to discover more? Here are some further details. →](#)

13:30-14:30

#### EU Funding opportunities with FIWARE

Workshop and brainstorming for proposal creation

Moderator

Clara Pezuela, VP Funded Programs, FIWARE Foundation

[Want to discover more? Here are some further details. →](#)

16:00-17:00

#### Evangelist Meeting

Moderator

Karen Montero, Marketing Manager, FIWARE Foundation

[Want to discover more? Here are some further details. →](#)

9:00-17:00

FRANZSAAL

### Gaia-X Event @ FIWARE Global Summit

Moderator

Astrid Al-Akrawari, Researcher, AIT. Gaia-X Austria

9:00 - 9:15

#### Opening and Welcome

Georg Hahn, Secretary General, OSSBIG Austria.  
Vice Chair Gaia-X Austria

9:15 - 9:30

#### Gaia-X: A European Union for Data Economy

Francesco Bonfiglio, CEO, Gaia-X

9:30 - 10:00

#### Trust Framework Gaia-X

Roland Fadrany, COO, Gaia-X

10:30 - 11:00

#### Gaia-X digital clearing house (GXDCH) Austria

Christian Tauber, Head of Product Management, K-Businesscom.  
Board Gaia-X Austria

11:30-12:00

#### Data Spaces Business Alliance.

Live connection with Data Week in Lulea



Panelists  
Francesco Bonfiglio, CEO, Gaia-X  
Ulrich Ahle, CEO, FIWARE Foundation  
Ana Garcia Robles, CEO, BDVA  
Lars Nagel, CEO, IDSA

13:30 - 14:30 **Panel Discussion:**  
**Collaborative approaches and experience in use cases and cooperations**

Moderator  
Mario Drobics, Head of Unit, AIT. Gaia-X Austria

Panelists  
Roland Fadrany, COO, Gaia-X  
Gerard van der Hoeven, CEO, iShare Foundation  
Juanjo Hierro, CTO, FIWARE Foundation  
Vincent Demortier, President of DIH Faubourg Numérique  
Ghazal Etminan, Senior Researcher, AIT

14:30 - 15:30 **Makes Data Spaces come true!**  
In cooperation with FIWARE Foundation @ Festsaal Main Stage

13:30 - 14:30 **Panel Discussion:**  
**Gaia-X Hubs regional strategies and why collaboration and trust are so important in the data economy**

Moderator  
Brigitte Lutz, Data Governance Coordinator, City of Vienna. Gaia-X Austria

Panelists  
Martina Malakova, Vice Chair, Business at OECD. Gaia-X Slovakia  
Jan Fischer, Deputy Project Coordinator, Gaia-X Germany  
Dariusz Śpiewak, VP of IT and Telecommunications, PIIT. Gaia-X Poland  
Gábor Érdi-Krausz, Project Coordinator, SZTAKI. Gaia-X Hungary

[Want to discover more? Here are some further details. →](#)

**AFTER-SUMMIT PROGRAM**

# FIWARE On-site Training

## 13 – 15 June

Location **Vienna Business Agency**  
[Mariahilfer Str. 20, Vienna, Austria](#)

**TUESDAY 13 JUNE**

### FIWARE primer: NGSi-LD, data models

- |               |   |
|---------------|---|
| 9:00 – 10:00  | <b>Introduction to JSON-LD and Linked Data</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation   |
| 10:00 – 11:00 | <b>The Smart Data Models initiative: a primer</b><br>Alberto Abella, Data Modelling Expert & Evangelist, FIWARE Foundation  |
| 11:00 – 11:30 | Coffee Break  |
| 11:30 – 12:15 | <b>Digital Twin basic programming using NGSi-LD: CRUD, Registrations, Subscriptions</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation  |
| 12:15 – 13:00 | <b>Digital Twin intermediate programming using NGSi-LD: Temporal Operations, Geofencing</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation  |
| 13:00 – 14:30 | Lunch Time  |
| 14:30 – 15:15 | <b>Digital Twin advanced programming using NGSi-LD: Federation + Actuation, Multi-types, DatasetId, NGSi-Tenant, NGSi-Scope</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation  |
| 15:15 – 16:00 | <b>Smart Data Models initiative: Integration of data models in your system, python package pySmartDataModels, services for creation of payloads, mapping with external ontologies, rapid prototyping, etc.</b><br>Alberto Abella, Data Modelling Expert & Evangelist, FIWARE Foundation |
| 16:00 – 16:30 | Coffee Break  |
| 16:30 – 17:30 | <b>Highly-scalable Context Broker deployments on Kubernetes</b><br>David Hanacek, Senior Solution Architect, Red Hat<br>Stefan Wiedemann, Technical Lead & Architect, FIWARE Foundation   |

## WEDNESDAY 14 JUNE

### Basic Identity and Access Management (IAM)

- 9:30 – 10:00 **Basic Identity and Access Management principles in systems powered by FIWARE: OAuth2; PEP,PDP,PAP; JWT**  
Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid
- 10:00 – 10:30 **Kong as an API-Gateway in FIWARE systems: protecting and monitoring endpoints**  
Stefan Wiedemann, Technical Lead & Architect, FIWARE Foundation
- 10:30 – 11:00 **Keycloak extension**  
Stefan Wiedemann, Technical Lead & Architect, FIWARE Foundation
- 11:00 – 11:30 Coffee Break
- 11:30 – 12:15 **Keyrock deep-dive : European Digital Identity, Protecting IoT devices, Connections to LDAP**  
Álvaro Alonso, Assistant Professor, Polytechnic University of Madrid  
Alejandro Pozo, Researcher, Polytechnic University of Madrid
- 12:15 – 13:00 **Notarization of digital twin data exchanges using blockchain: Canis Major**  
Stefan Wiedemann, Technical Lead & Architect, FIWARE Foundation
- 13:00 – 14:30 Lunch Time
- 14:30 – 15:10 **Decentralized IAM in FIWARE**  
Jesus Ruiz, Senior Consultant, FIWARE Foundation
- 15:15 – 16:00 **Trust Services for Data Spaces**  
Stefan Wiedemann, Technical Lead & Architect, FIWARE Foundation  
Dennis Wendland, Technical Lead & Architect, FIWARE Foundation
- 16:00 – 16:30 Coffee Break
- 16:30 – 17:00 **Data Services Marketplaces for Data Spaces**  
Dennis Wendland, Technical Lead & Architect, FIWARE Foundation
- 17:00 – 17:30 **Recipes for deployment of IAM components on Kubernetes**  
Stefan Wiedemann, Technical Lead & Architect, FIWARE Foundation

## THURSDAY 15 JUNE

### How to integrate with AI + Data Spaces + IoT

- 9:30 – 10:15 **Building real-time inference services based on ML with FIWARE**  
J. Andres Muñoz Arcentales, Researcher, Polytechnic University of Madrid

- 
- |               |  |
|---------------|--|
| 10:15 – 11:00 | <b>MLOps in FIWARE</b><br>Joaquín Salvachúa, Associate Professor, Polytechnic University of Madrid   |
| 11:00 – 11:30 | Coffee Break   |
| 11:30 – 12:15 | <b>Data ingestion and processing using Draco</b><br>Javier Conde, Assistant Professor, Polytechnic University of Madrid                            |
| 12:15 – 13:00 | <b>Introduction to IoT Agent integration with NGSII-LD</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation                          |
| 13:00 – 14:30 | Lunch Time   |
| 14:30 – 15:15 | <b>Code Walkthrough: Strategies for creating custom IoT Agents</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation                  |
| 15:15 – 16:00 | <b>Recipes for deployment of IoT components on Kubernetes</b><br>Christopher Tate, Senior Consultant, Red Hat                                      |
| 16:00 – 16:30 | Coffee Break   |
| 16:30 – 17:00 | <b>Options for Visualization of IoT data: Wirecloud, QuantumLeap, Grafana, GeoJSON (GIS)</b><br>Jason Fox, Technical Evangelist, FIWARE Foundation |
| 17:00 – 17:30 | <b>Whistle stop tour of additional FIWARE Catalogue components</b><br>Jason Fox, Technical Expert & Evangelist, FIWARE Foundation                  |

Want to discover more? Here are some further details. →

## The FI-Dinner

After a full day of world-class innovation, collaboration, and networking, join us at the great FI-Dinner.

**12 June 19:30–22:30**

Location **Das Schreiberhaus**  
[Rathstraße 54, Vienna, Austria](#)

19:00 – 19:30 **Shuttle from the main Summit location to the dinner venue**  
Vienna Town Hall (Rathaus)  
Main Entrance – [Felderstraße 2-4, 1010 Vienna, Austria](#)

19:30 – 20:00 **Welcome Drink**

20:00 – 22:30 **Dinner event**

22:30 – 23:00 **Shuttle from the dinner venue to the main Summit location**

[Register here for the FI-Dinner! →](#)

## German-speaking network meeting

Join us and become part of a self-sustainable group of FIWARE German-speaking users and peers!

**14 June 9:00–12:00**

Location **Expat Center of the Vienna Business Agency**  
[Schmerlingpl. 3, Vienna, Austria](#)  
7 min on foot from Vienna Town Hall

[Register here for the Event →](#)



# From Data to Value

Open Source | Open Standards  
Open Community

VIENNA, AUSTRIA / 12-13 JUNE 2023

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