

Open APIs
for Open
Minds

Technik Workshop: Technische Einführung

30.08.2022, ADV Tagung, Wien

Gernot Boege

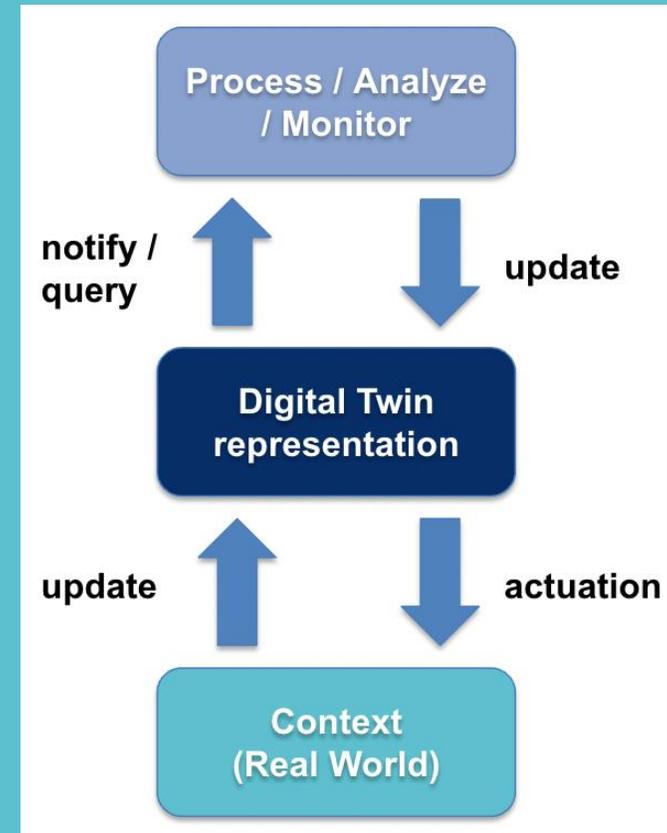
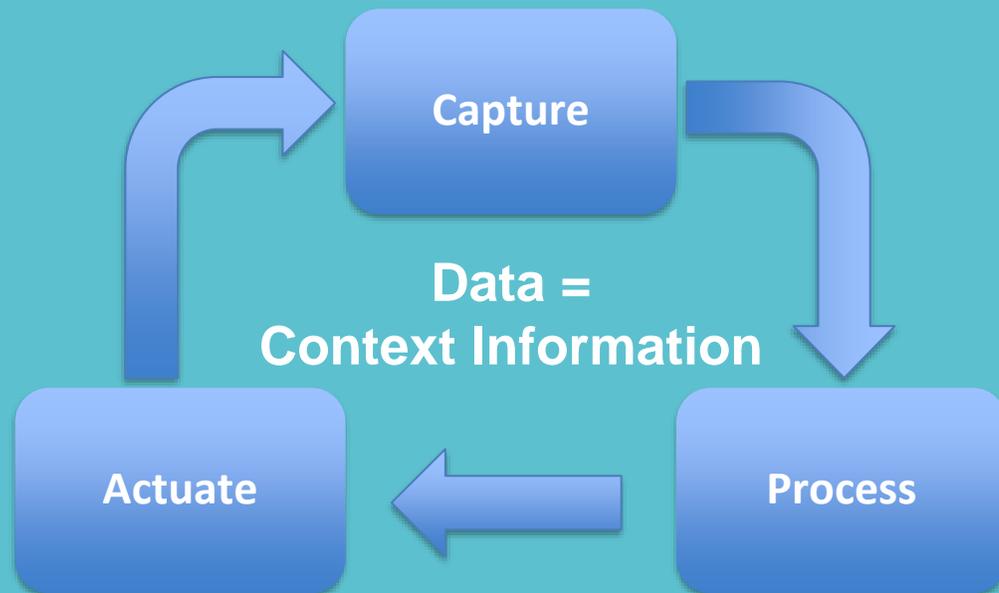
FIWARE Solution Architect



Das neue digitale Leben wird bestimmt durch Kontext-Informationen. Kontext-Informationen, die beschreiben was passiert, wo, wann, warum, ...



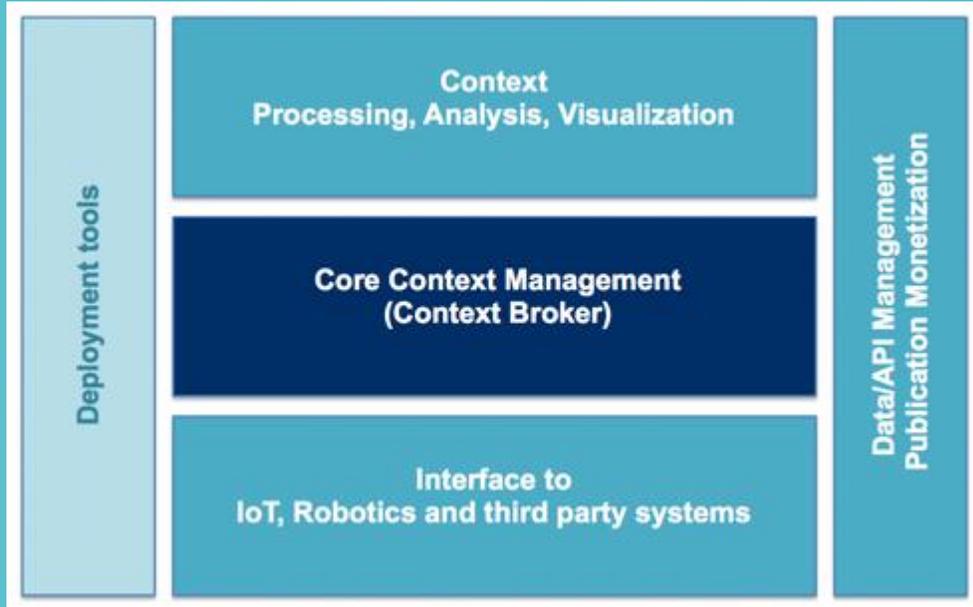
Fokus: Reaktivität für smarte Applikationen



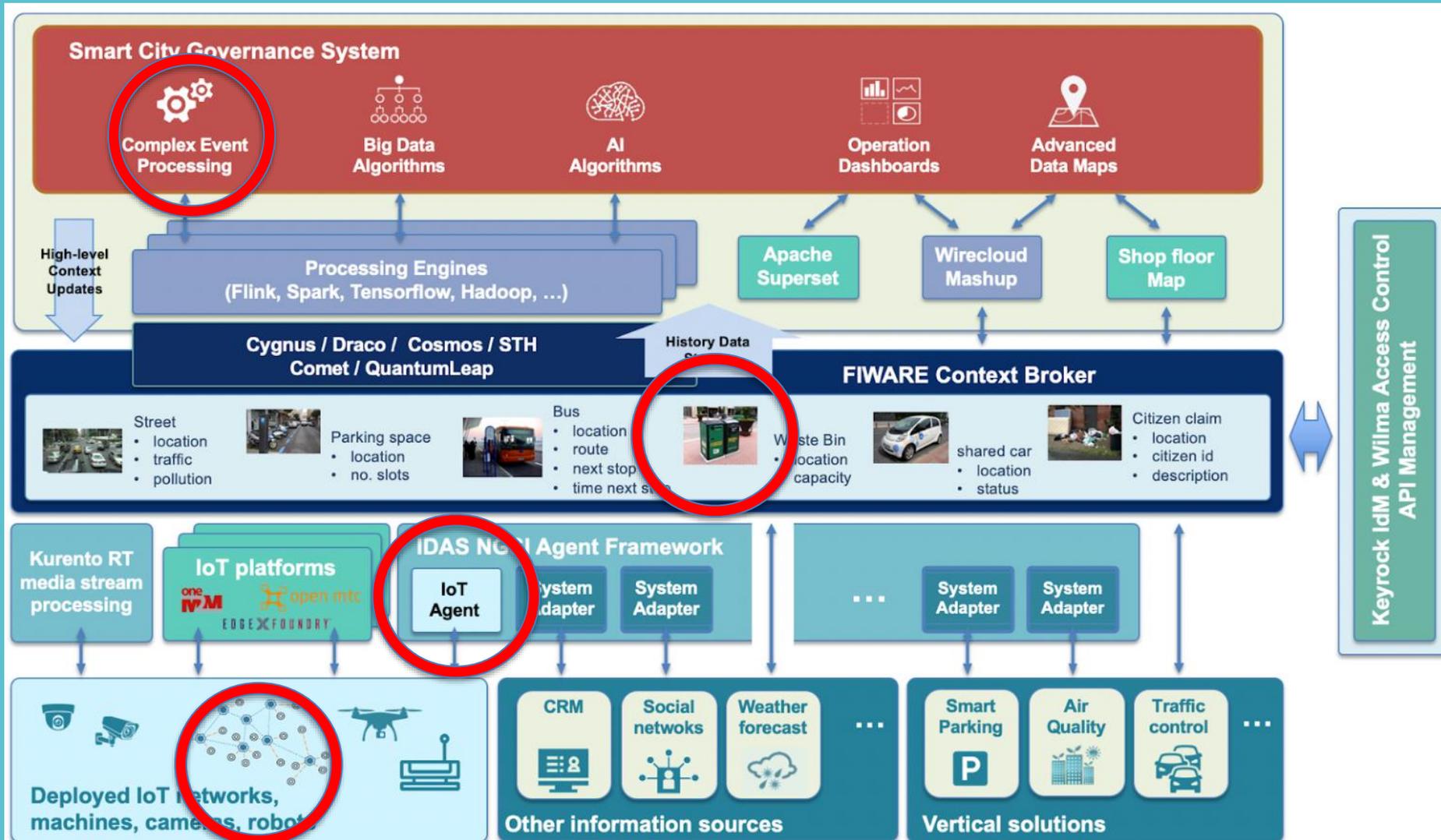
FIWARE ist Context Management by Design



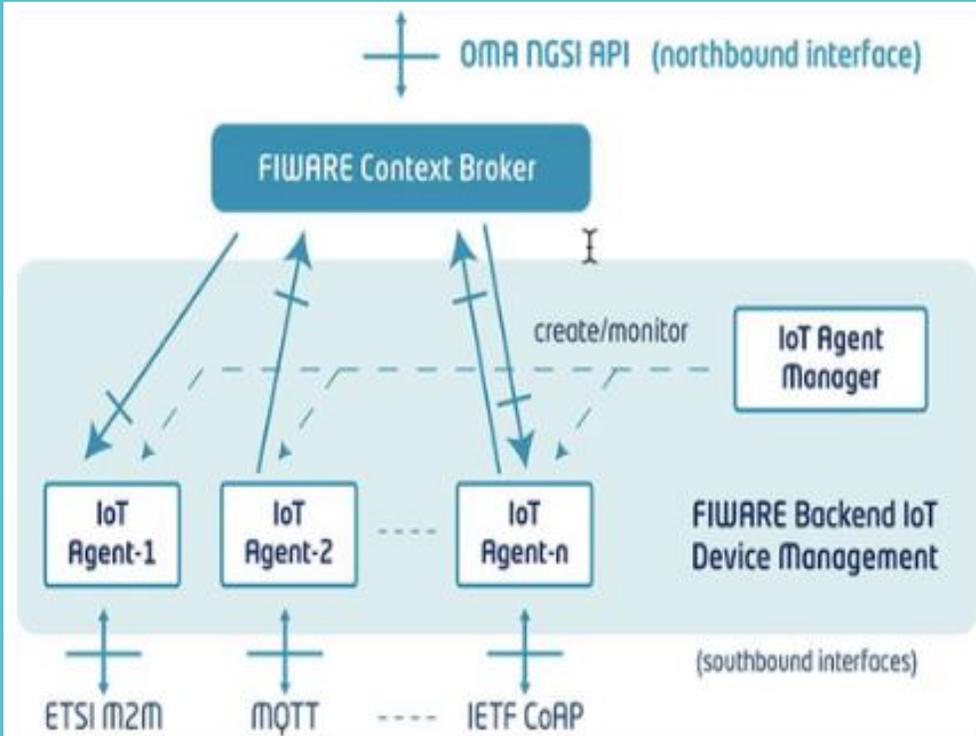
- Skalierbare Open Source Plattform
Komponenten für die Verwaltung und den Zugriff auf Kontext-Information durch offene Schnittstellen (APIs)
- Zahlreiche Software Bausteine mit dem **FIWARE Context Broker** als Kernbaustein
- Standard Schnittstelle: **FIWARE-NGSI** (Next Generation Service Interface)



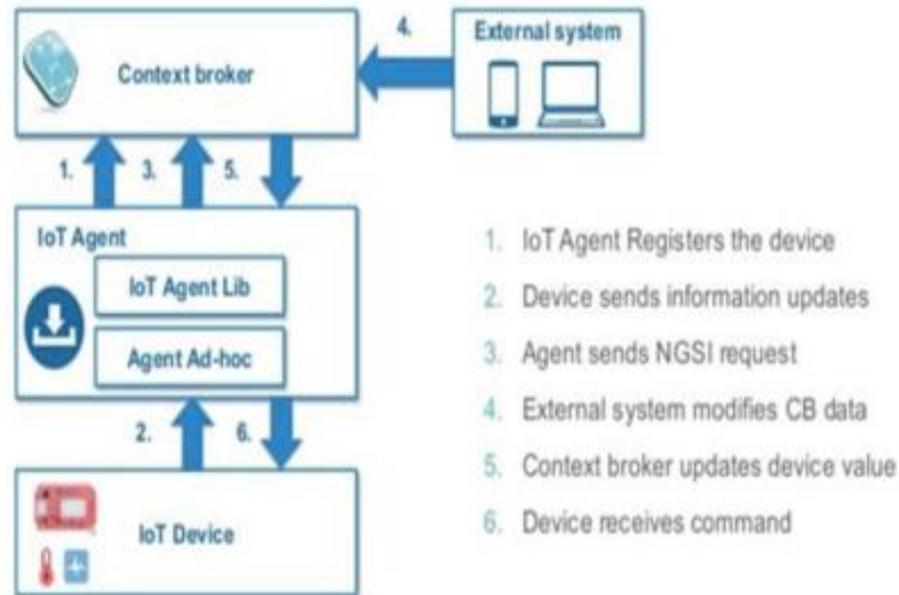
FIWARE Architekturen sind vielfältig



Integration von IoT Daten



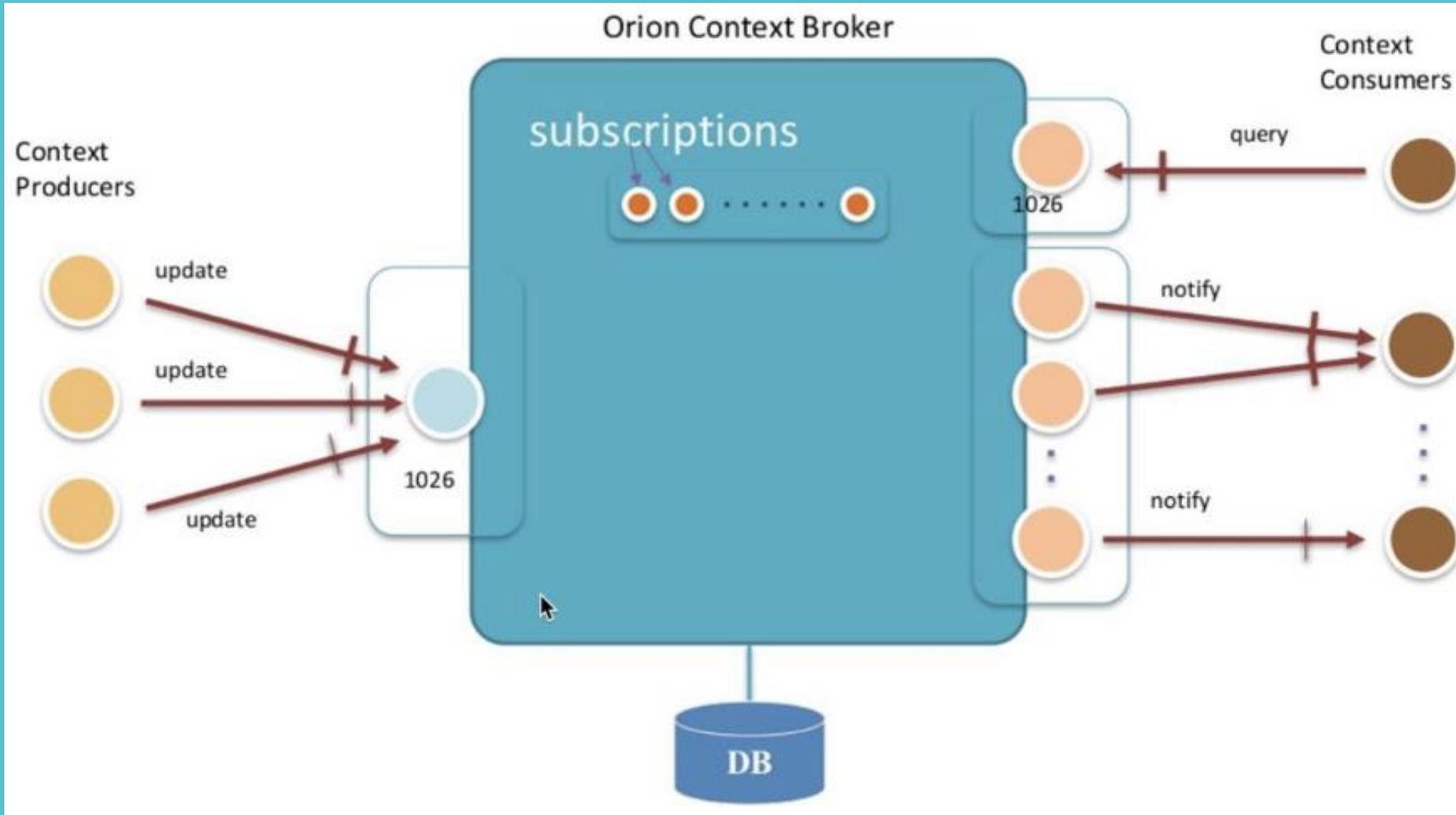
IoT Agents' features



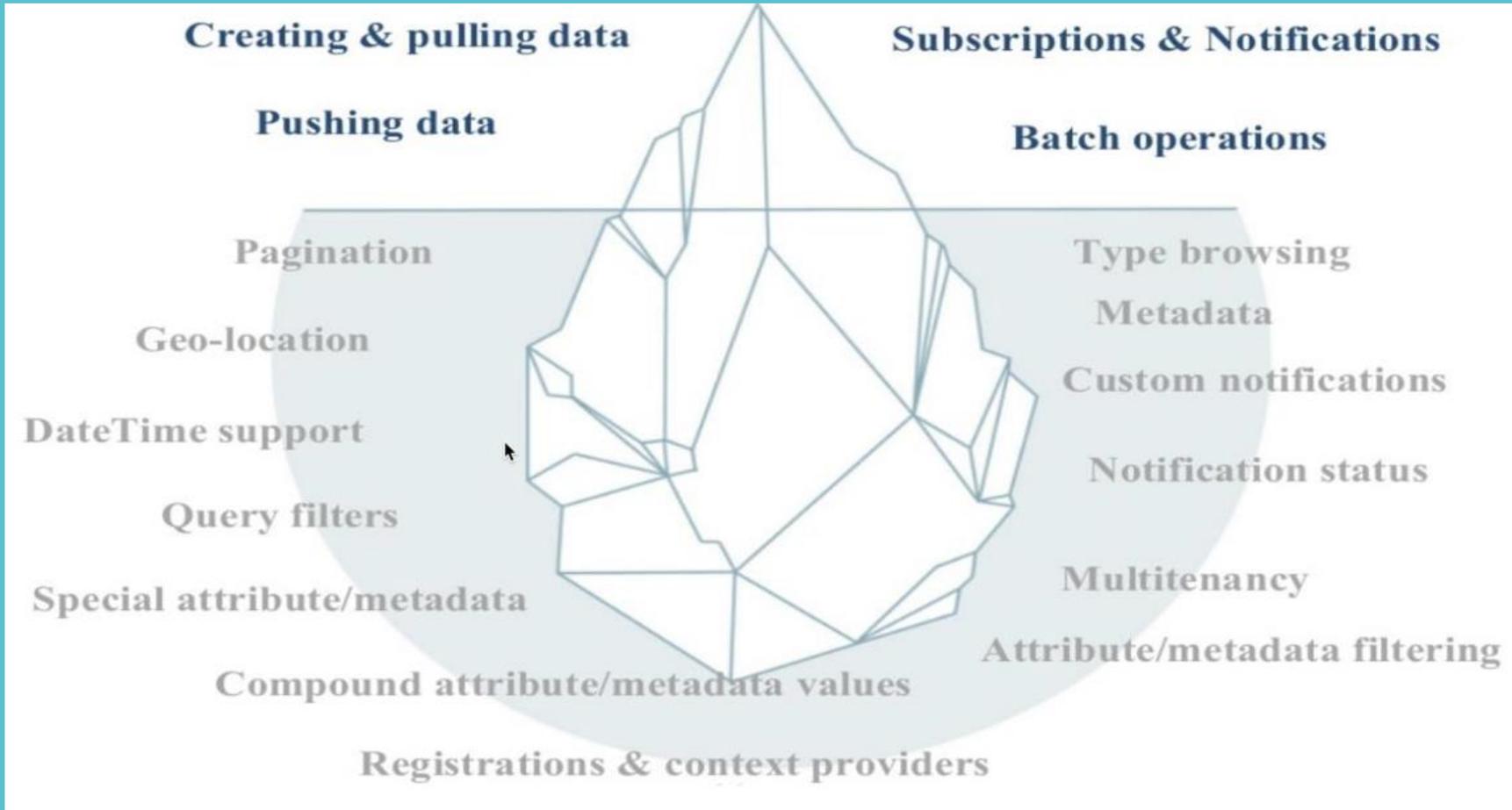
Neu: OPC-UA



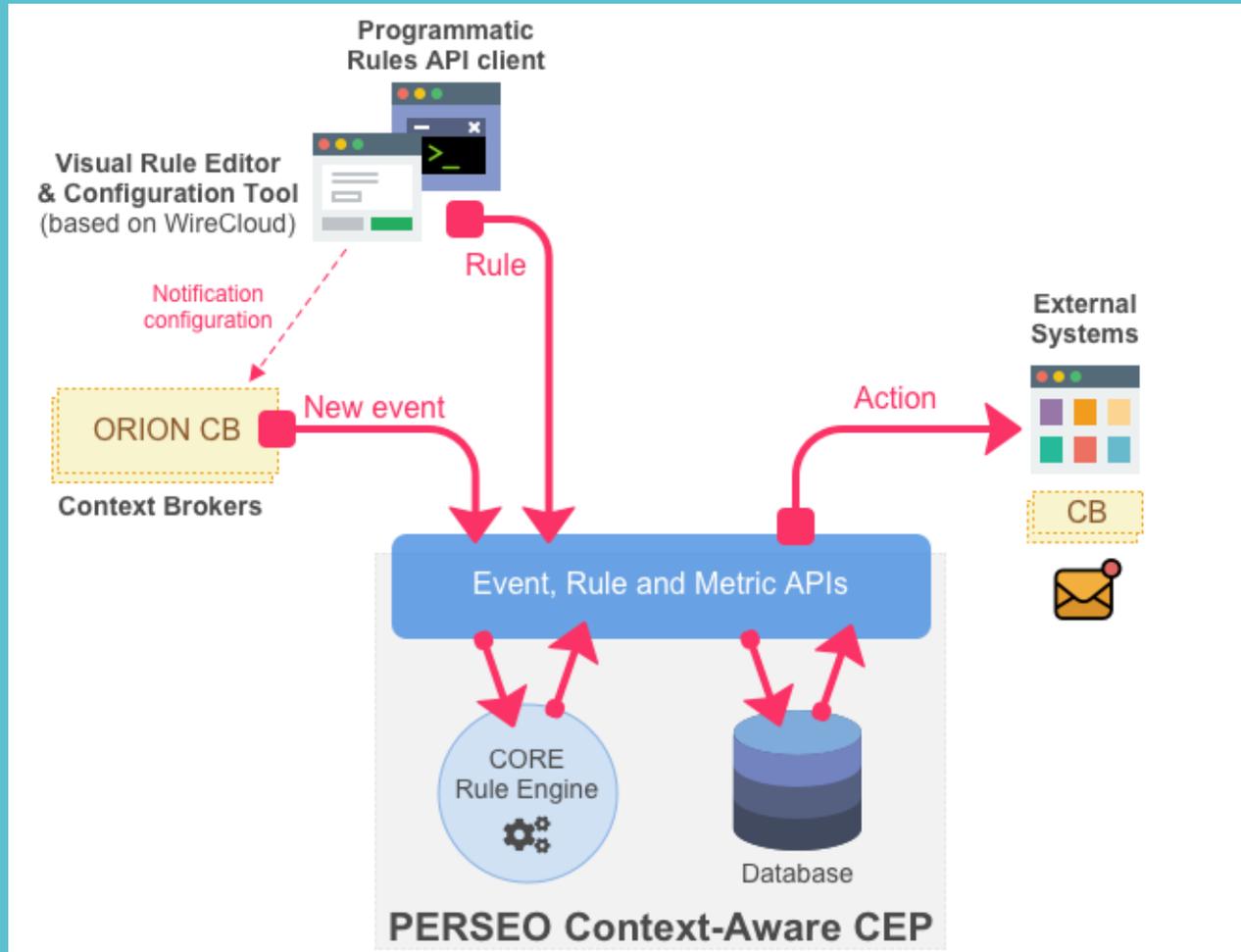
FIWARE Context Broker als zentrale Datendrehscheibe



FIWARE Context Broker – einfach aber mächtig



Reaktives Complex Event Processing CEP



Viele Use Cases



- Smart City Platform
- Silos Management
- Water Management
- Quality Farming
- Predictive Maintenance
- Smart Parking
- Sound Analytics
- Robotics Platform
- Drone-based Delivery

Mehr als 150 Angebote auf dem FIWARE Marktplatz

The screenshot displays the FIWARE Marketplace homepage. At the top left is the FIWARE Marketplace logo. To its right are links for 'Categories' and 'Submit', and a 'Switch to FIWARE' button. The main heading reads 'Find the best suppliers for FIWARE based products and services.' Below this is a sub-heading: 'Combine NGSI compatible software and devices to build your Smart Solution driven by context.' Two buttons, 'Browse offering' and 'Submit offering', are positioned below the text. A large, colorful illustration of a smart city with various icons like buildings, wind turbines, a hot air balloon, a ship, and a plane is centered on the page. Below the illustration is a section titled '☆ Featured Products' containing five product cards: Atos Urban Data Platform, Digital Enabler, NEC Cloud City Operations Center, Telefónica Thinking Cities, and AGRICOLUS Agricolus Ecosystem. Each card includes a 'See details >' link.

FIWAREMarketplace Categories Submit Switch to FIWARE

Find the best suppliers for FIWARE based products and services.
Combine NGSI compatible software and devices to build your Smart Solution driven by context.

Browse offering Submit offering

☆ Featured Products

- Atos**
Urban Data Platform
See details >
- Digital Enabler**
Digital Enabler
See details >
- NEC**
Cloud City Operations Center
See details >
- Telefónica**
Thinking Cities
See details >
- AGRICOLUS**
Agricolus Ecosystem
See details >

FIWARE Demo einer einfachen FIWARE Anwendung

The screenshot displays the UiFlow V1.6.2 Beta interface. At the top, the version 'Beta FLOW V1.6.2' and the project name 'main' are visible. The interface is divided into several sections:

- Left Panel:** A vertical toolbar with icons for 'Title', 'Label', 'Rect', 'Circle', 'Image', 'Triangle', and 'Line'. Below this is a large orange block representing an 'M5' device.
- Search Panel:** A search bar with a magnifying glass icon. Below it, a list of categories is shown: 'Event', 'UI', 'Hardwares', 'IMU', 'RTC', 'LED', 'Power', 'Units', and 'C-HAT'. The 'Power' category is currently selected and highlighted in orange.
- Right Panel:** A list of power-related blocks. The 'Power off' block is highlighted with a red rectangular box. Other blocks include 'Get charge state', 'Get battery voltage', 'Get battery current', 'Get Vin voltage', 'Get Vin current', 'Get VBus voltage', 'Get VBus current', 'Get AXP192 temperature', 'Set battery charge current to 100mA', and 'Set LCD voltage to 2.4'.
- Bottom Panel:** A section labeled 'Units Hat' with a plus sign icon. Below it are icons for 'Variables', 'Math', 'Loops', and 'Logic'.

Öffentlich verfügbare Ressourcen I

- FIWARE Datenmodelle:
<https://github.com/smart-data-models>
- FIWARE Industrie Referenz Architecture:
<https://www.fiware.org/community/smart-industry/>
- Katalog der Komponenten:
<https://www.fiware.org/developers/catalogue/>
- Tutorials (Inhaltsverzeichnis aller derzeit verfügbaren (wird kontinuierlich erweitert):
<https://github.com/Fiware/tutorials.Getting-Started>
- FIWARE Marketplace:
<https://www.fiware.org/marketplace/>

i4Trust 2nd Open Call

i4Trust 2nd Open Call

Data Spaces for effective and trusted data sharing

Apply now



OPEN CALL CALENDAR

Submission of Application Starts:
May 4, 2022 (10:00, CEST)

Submission Deadline:
September 12, 2022 (16:00, CEST)

i4Trust is a collaborative initiative boosting the development of innovative services around new data value chains in multiple sectors

i4Trust is building a sustainable ecosystem where companies will be able to create innovative services by means of breaking "data silos" through sharing, re-using and trading of data assets.

FIWARE Summit 2022 Gran Canaria

**FIWARE
Global
Summit**

**Gran Canaria, Spain
14 – 15 September 2022**

#FIWARESummit22

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Transformation**

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 **cidihub**

 **FiiHUB**

 **imoivalia**
ASSOCIATION

Das ist FIWARE



**The open source platform
for our smart digital future!**

Thank you!

Gernot Boege
FIWARE Solution Architect

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