

Open APIs
for Open
Minds

Technik Workshop: Technische Einführung

30.08.2022, ADV Tagung, Wien

Gernot Boege

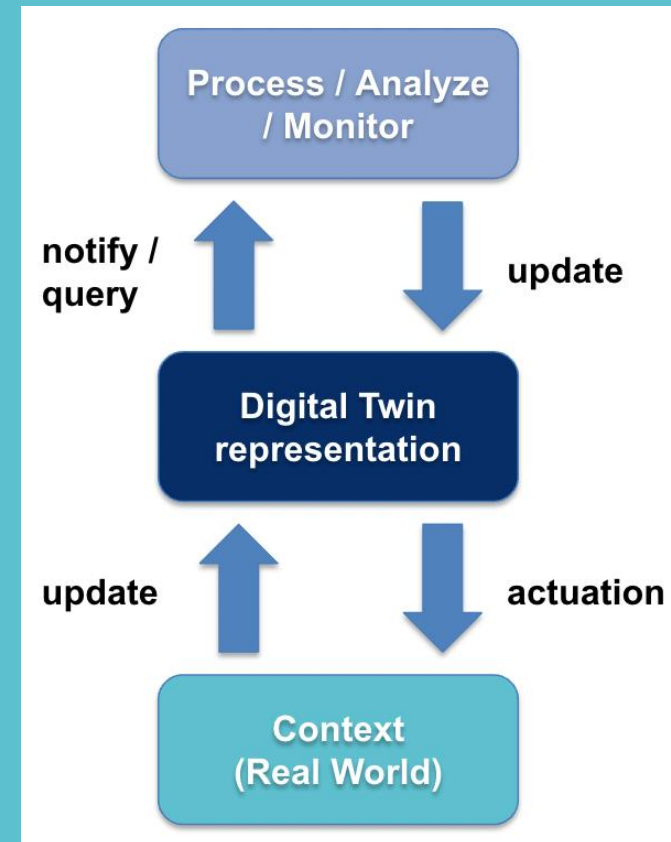
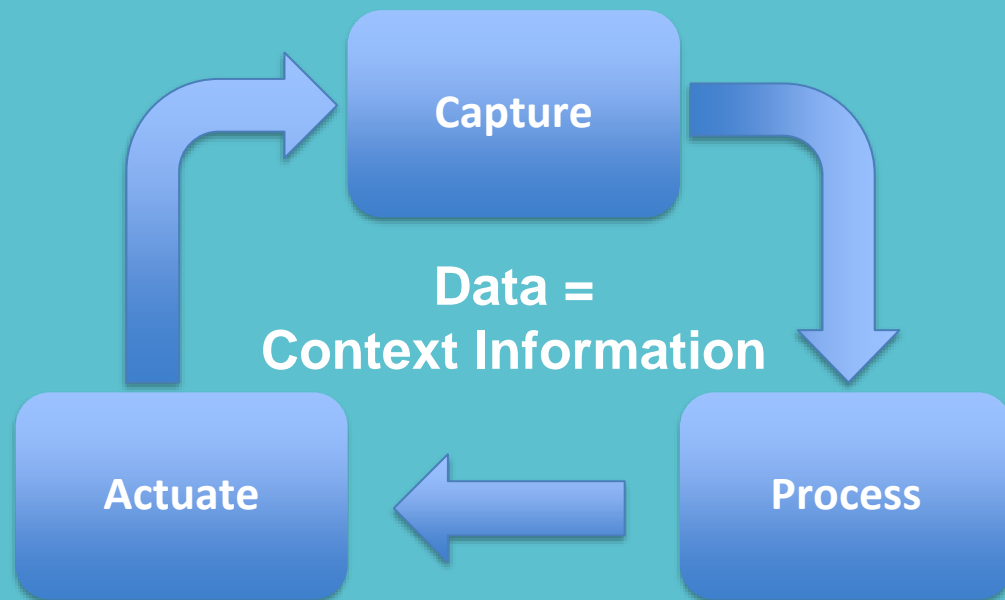
FIWARE Solution Architect



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



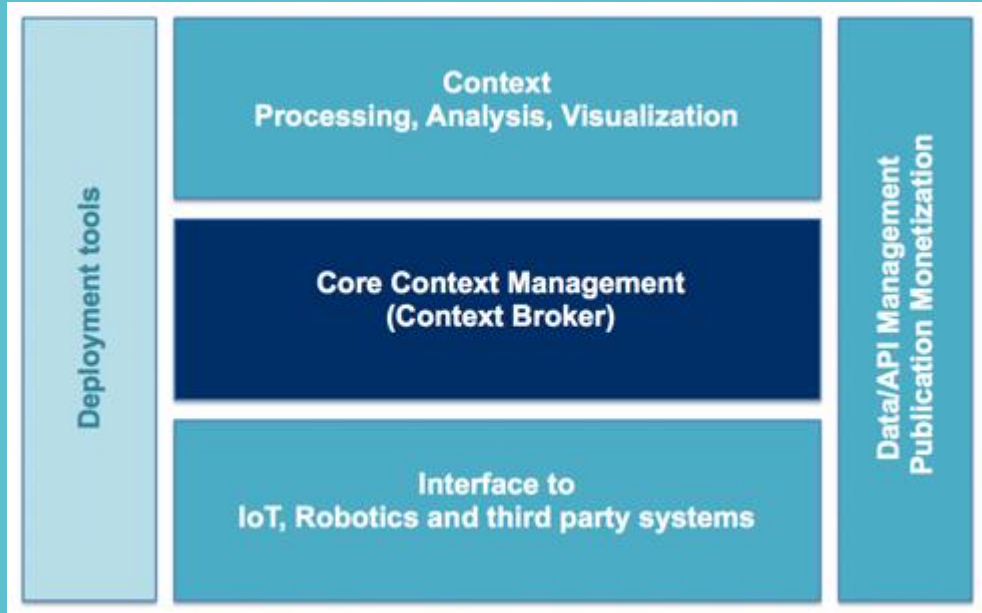
Fokus: Reaktivität für smarte Applikationen



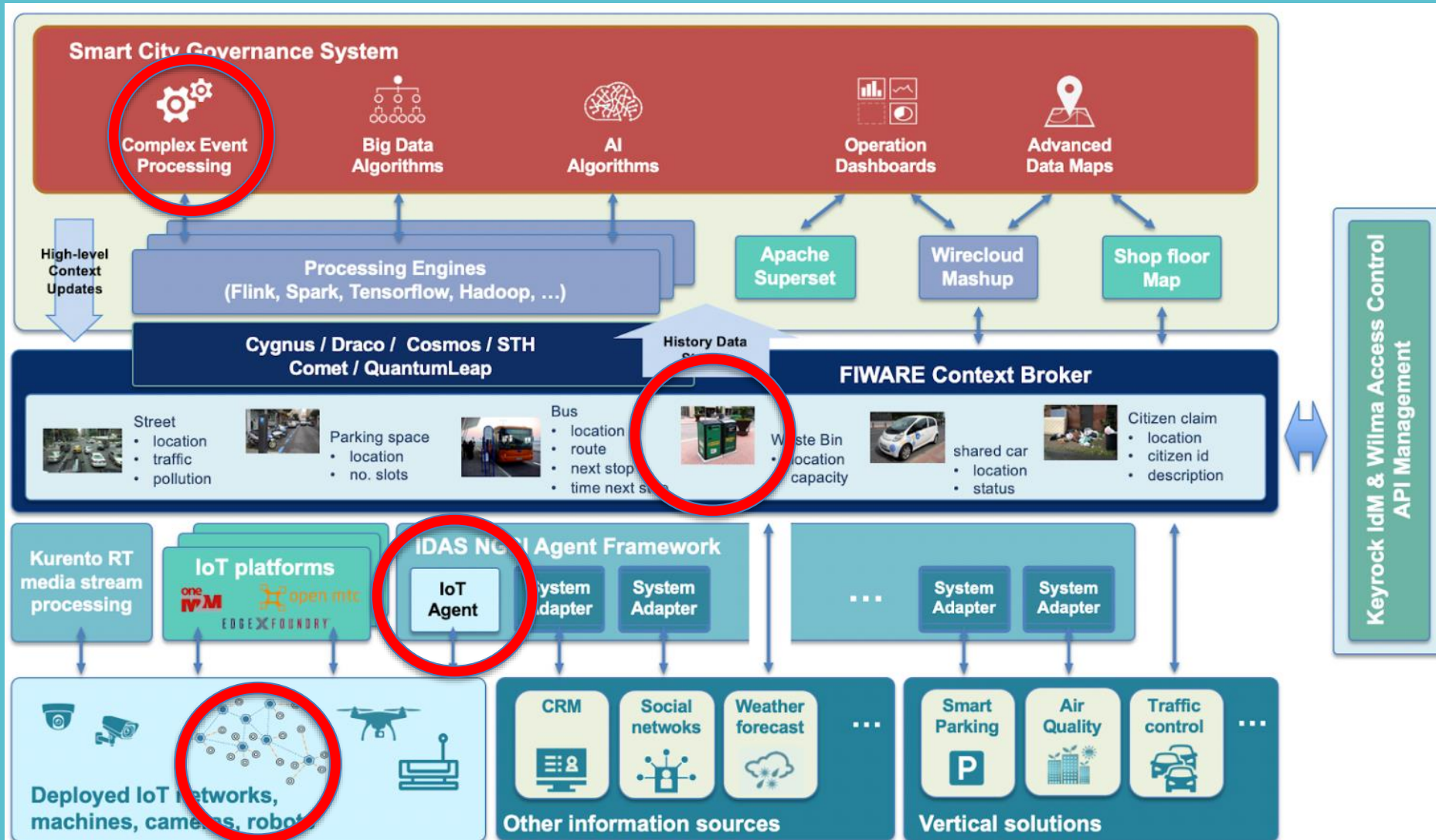
FIWARE ist Context Management by Design



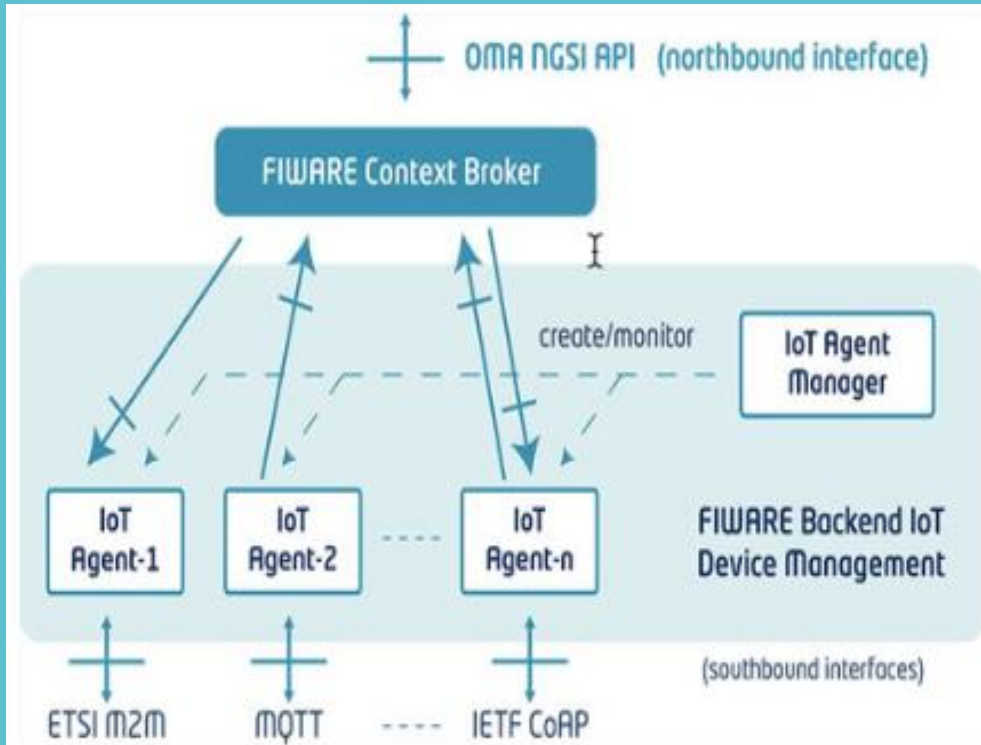
- Skalierbare Open Source Plattform
Komponenten für die Verwaltung und den Zugriff auf Kontext-Information durch offene Schnittstellen (APIs)
- Zahlreiche Software Bausteine mit dem **FIWARE Context Broker** als Kernbaustein
- Standard Schnittstelle: **FIWARE-NGSI** (Next Generation Service Interface)



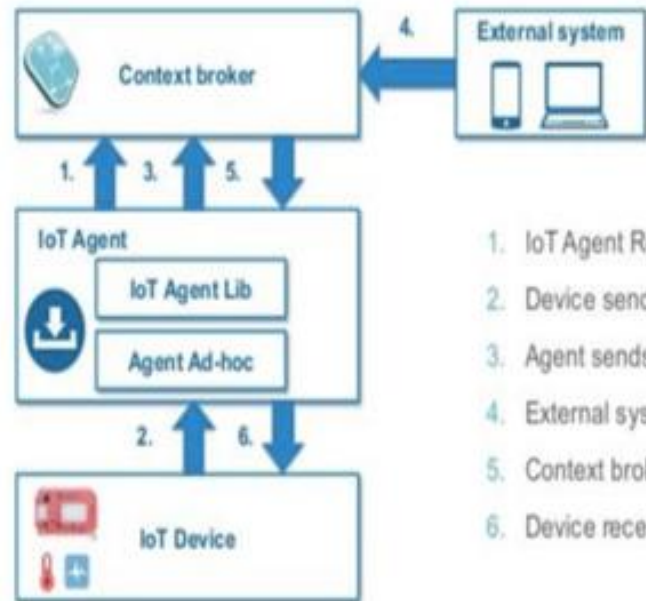
FIWARE Architekturen sind vielfältig



Integration von IoT Daten



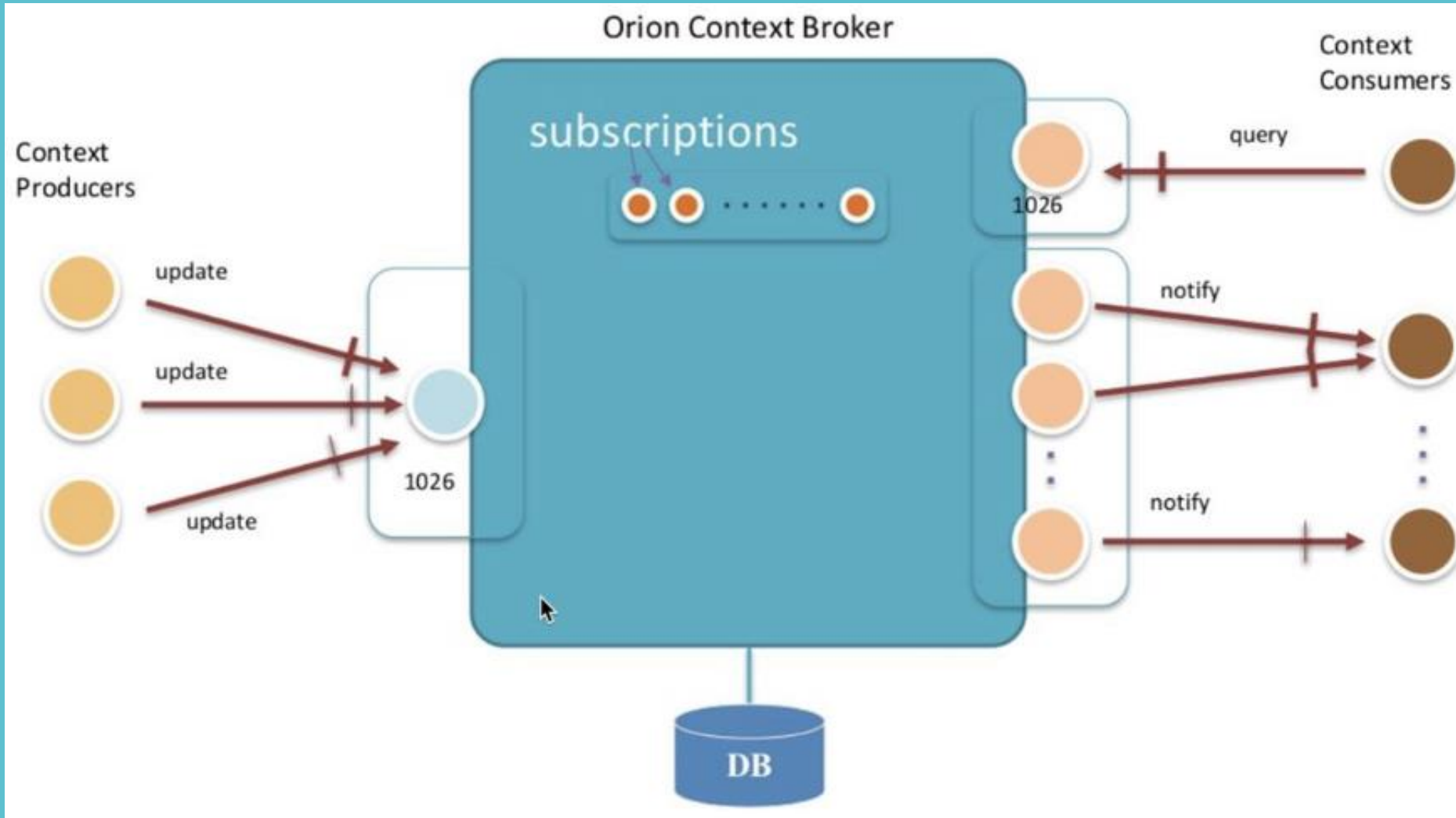
IoT Agents' features



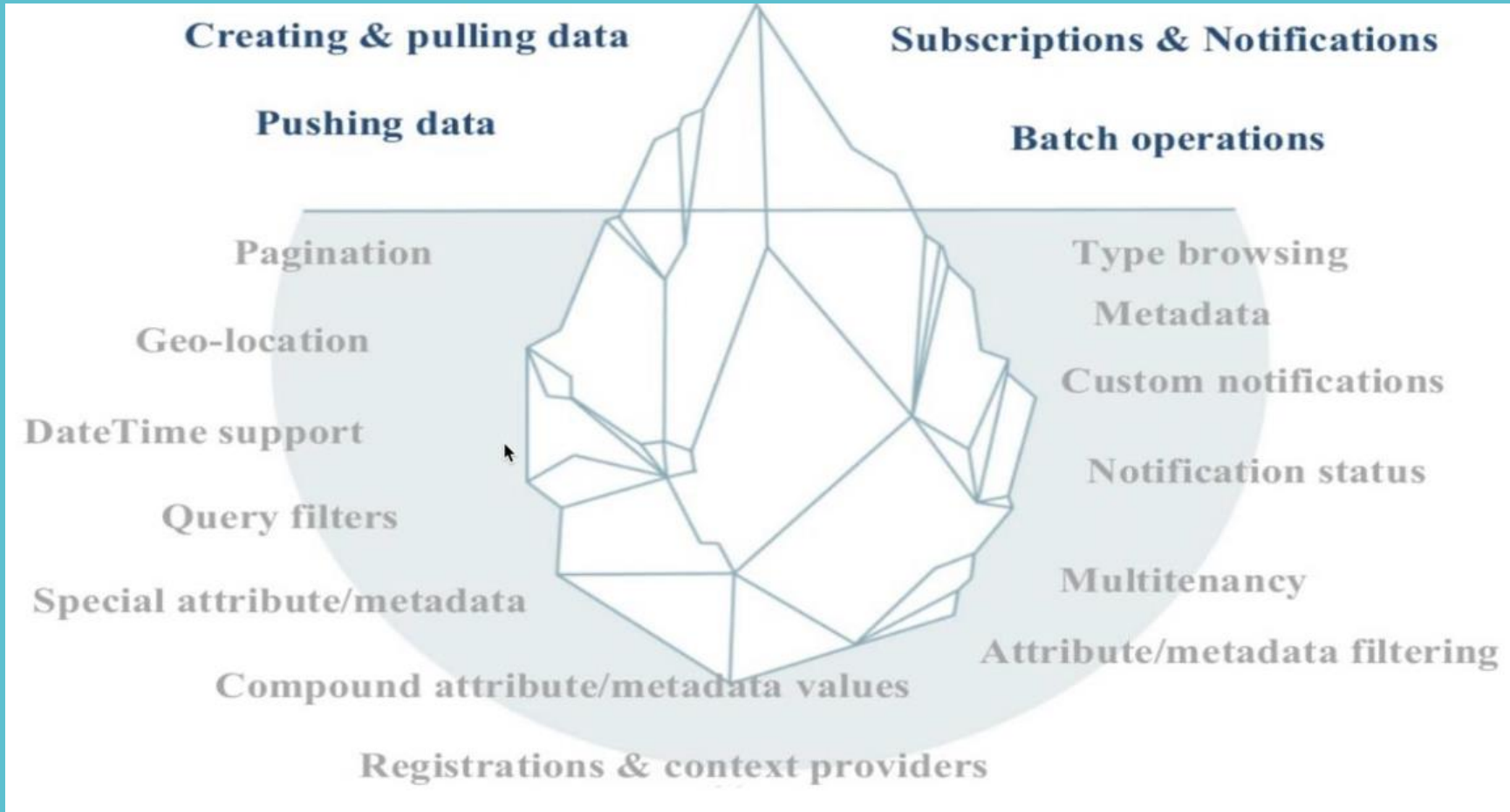
Neu: OPC-UA



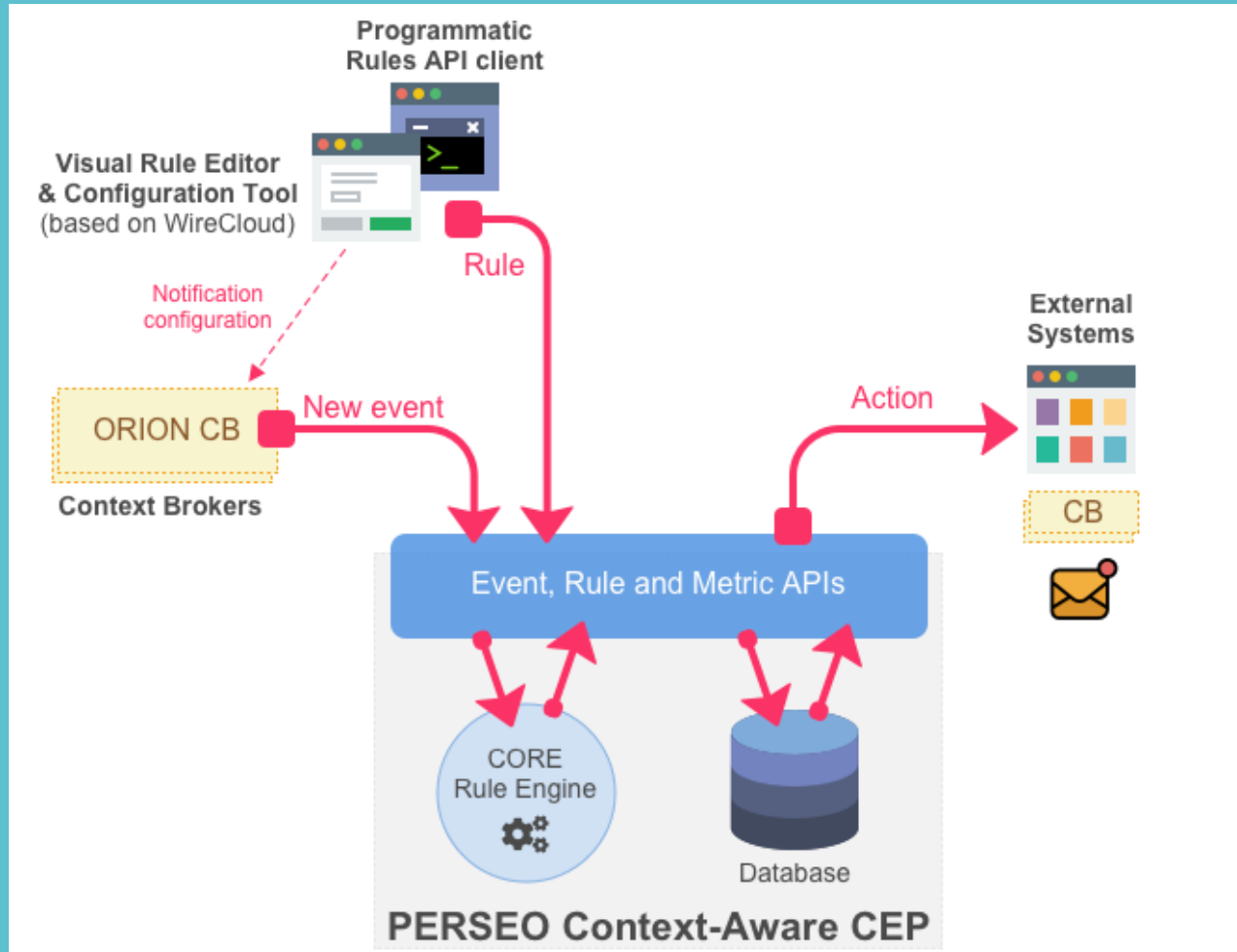
FIWARE Context Broker als zentrale Datendrehscheibe



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 shown. Below the illustration is a section titled '☆ Featured Products' containing five product cards:

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

FIWARE Demo einer einfachen FIWARE Anwendung

The screenshot displays the UiFlow V1.6.2 Beta software interface. The top bar shows the version and project name 'main'. The left sidebar contains a palette of UI elements: Title, Label, Rect, Circle, Image, Triangle, and Line. The main workspace shows a blue M5 board icon. Below it, a 'Units' section is visible with a 'Hat' unit and a plus sign icon. The right sidebar is a search-based component library. The 'Power' category is selected, and the 'Power off' block is highlighted with a red box. Other blocks in the 'Power' category include 'Get charge state', 'Get battery voltage', 'Get battery current', 'Get Vin voltage', 'Get Vin current', 'Get VBus voltage', 'Get VBus current', and 'Get AXP192 temperature'. Below these are 'Set battery charge current to 100mA' and 'Set LCD voltage to 2.4'.

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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ASSOCIATION

Das ist FIWARE



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

Thank you!

Gernot Boege
FIWARE Solution Architect

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