

Data models with the FIWARE platform for the water sector

Webinar organised by the DW2020 synergy group

Wednesday 3 March, 2021

11.00-12.30 CET

Agenda

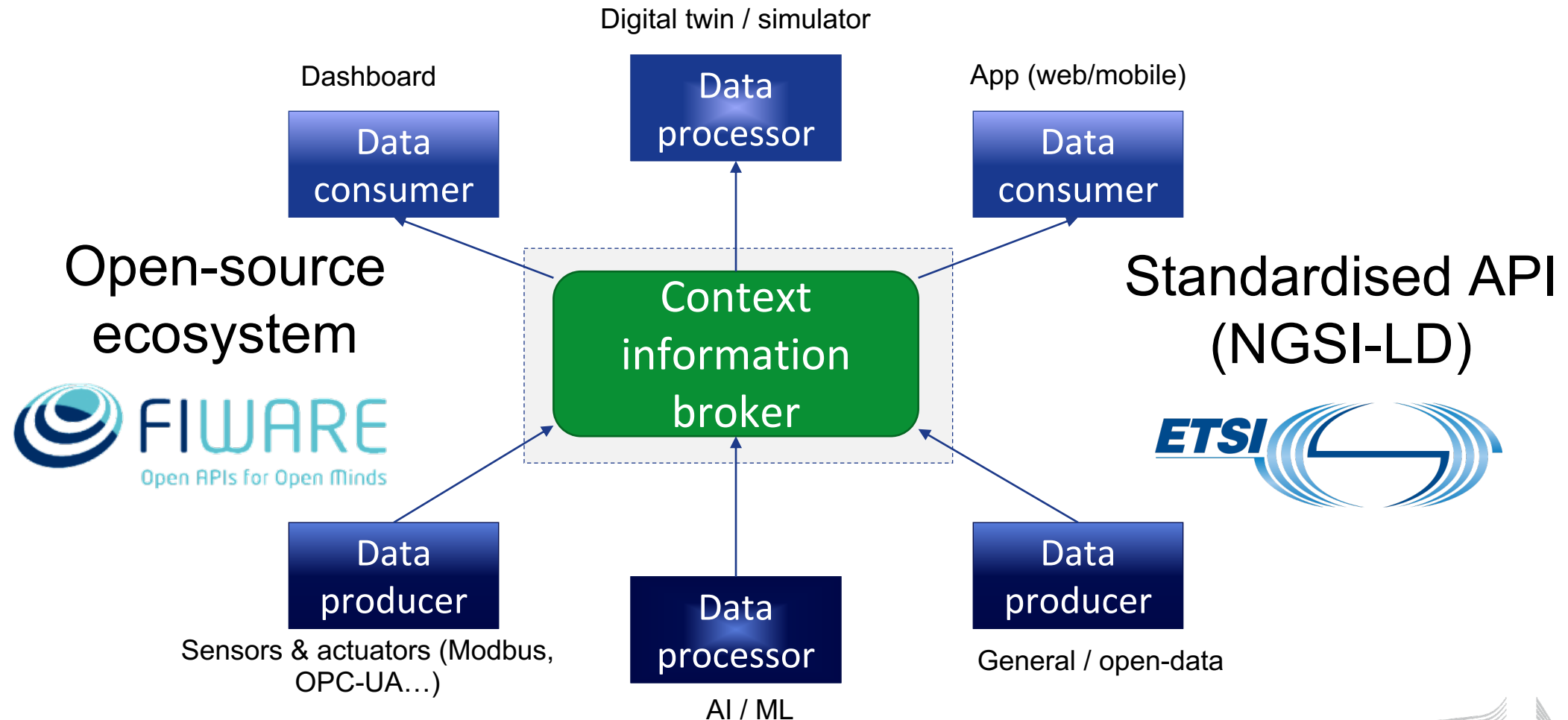
Time	Title	Presenter
11.00-11.05	Welcome	Lydia Vamvakeridou-Lyroudia (KWR/UNEXE)
11.05-11.10	Intro by EASME	Violeta Kuzmickaite (EASME)
11.10-11.15	The DW2020 synergy group	Nicolas Caradot (KWB)
	FIWARE architecture	
11.15-11.30	The FIWARE platform/architecture	Fernando Lopez (FIWARE)
11.30-11.40	The NGS-LD context broker	Benoit Orihuela(EGM)
	Data models	
11.40-11.50	EPANET-Water Distribution Networks	Chris Sweetapple (UNEXE)
11.50-12.00	Raw water supply/aqueduct	Panagiotis Kossieris(NTUA)
12.00-12.10	Waste Water Treatment Plant	Sid Seshan (KWR)
12.10-12.20	Social media crawling	Stelios Andreadis (CERTH)
12.20-12.30	Satellite imagery data	Natasa Moumtzidou (CERTH)
	Discussion/Questions on the chat	Moderator: Franck Le Gall (EGM)

NGSI-LD context broker

- *Benoit Orihuela – benoit.orihuela@egm.io*
- *Working at EGM (www.egm.io), an ICT company in France*
 - *Data platforms, IoT, AI, ...*
 - *Member of the FIWARE foundation*
 - *Member of ETSI and founding member of ISG-CIM group*
 - *Provider of the Stellio NGSI-LD (www.stellio.io) context broker*



NGSI-LD context broker



NGSI-LD context broker



- *Where all the data come to life*
- *NGSI-LD specification brings two main concepts*
 - *An extensible and flexible data model*
 - *An open, cross-domain API to access data*

NGSI-LD context broker



- *The NGSI-LD data model*
 - *A cross-domain generic model defining common terms*
 - *The foundations for the definition of shared vocabularies (the “data models”)*
 - *A representation based on a property graph (entity – relationship - property)*

NGSI-LD context broker

- *The NGSI-LD API*
 - *A RESTful API used for the communication between all modules*
 - *Allows for temporal and geospatial queries*
 - *Allows to subscribe to new and updated data*
 - *Can be used in distributed or federated scenarios*
 - *In constant evolution to adapt to new needs and use-cases*

Thank you for your attention