

An Intersectorial approach

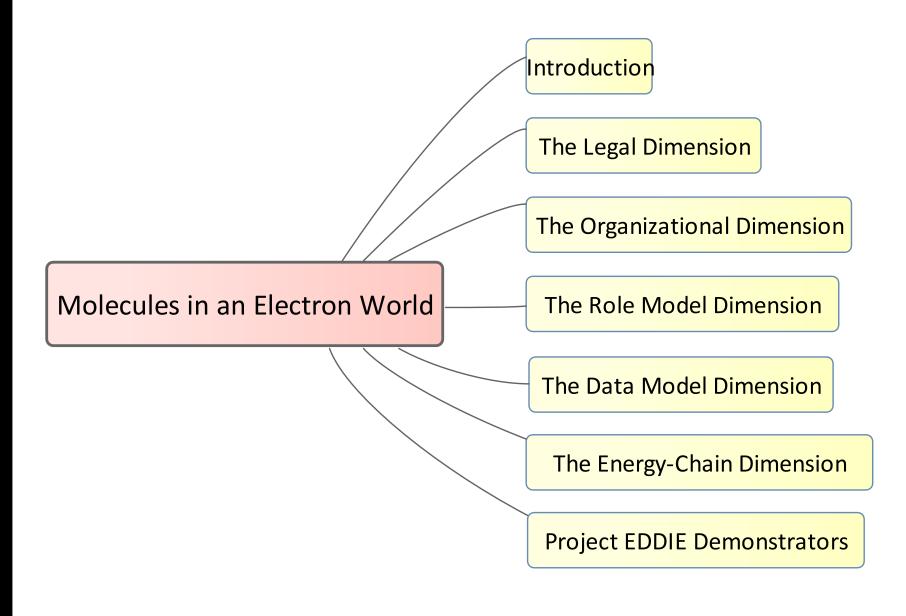


DigiSect 2024, Stockholm - 16 May 2024



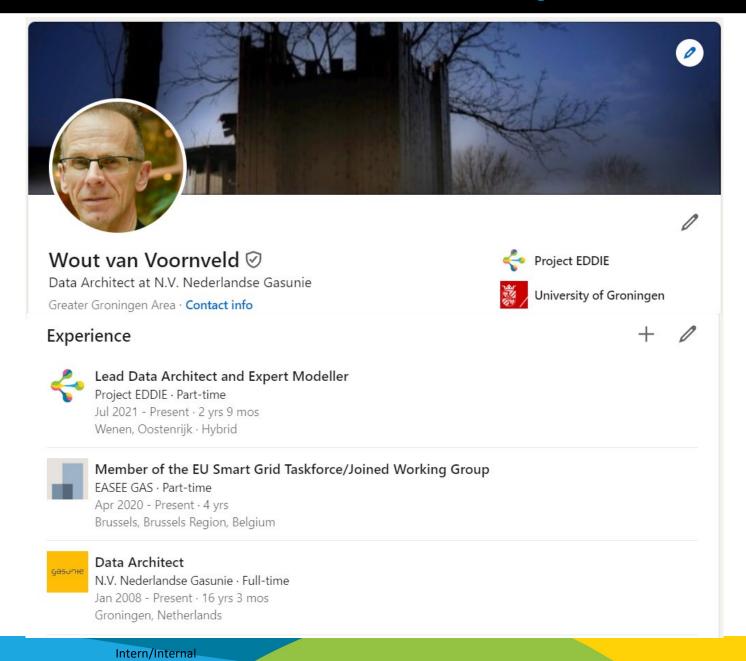
AGENDA

Upcoming changes and how it impacts us





ABOUT ME





LEGAL DIMENSION

Legal: Electricity



Home > Publications >

Implementing Regulation on interoperability requirements a non-discriminatory and transparent procedures for access metering and consumption data

Details

Publication date

6 June 2023

Files

6 JUNE 2023

Implementing Regulation for access to metering and Download 🛃 consumption data C(2023)3477 English (545.83 KB - PDF)

6 JUNE 2023



access to metering and

English (545.83 KB - PDF)

Download 🚽



LEGAL DIMENSION

Legal: Gas directive proposed update (2021)

EUR-L	ex	
I	Document 32009L0073	<
	EC of the European Parliament and of the Council of 13 Ju he internal market in natural gas and repealing Directive 2	-
I	Document 52021PC0803	4
•	CTIVE OF THE EUROPEAN PARLIAMENT AND OF THE CO s in renewable and natural gases and in hydrogen	UNCIL on common rules for
	Article 21	
Data mar	agement	
1	When laying down the rules regarding	ng the management and exchange of
d	ata, Member States or, where a M	fember State has so provided, the
d	esignated competent authorities shall	specify the rules on <mark>the access to data</mark>
o	f the final customer by eligible partie	s in accordance with this Article and
	e applicable Union legal framework.	

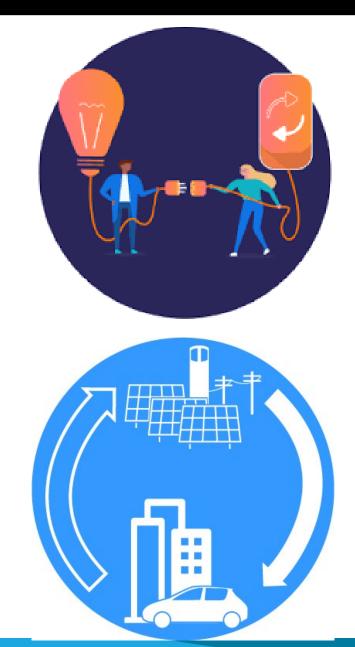
required for customer switching, and other services.

shall be understood to include metering and consumption data as well as data



ORGANI-SATION DIMENSION

Legal: new implementing acts / new players



CHANGE OF SUPPLIER

IMPLEMENTING ACT

entso

DCOO ENTITY DSOS FOR EUROPE

DEMAND RESPONSE

IMPLEMENTING ACTS NETWORK CODE

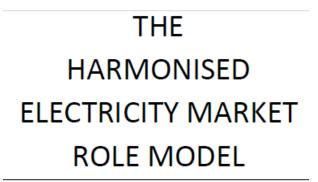


ROLE MODEL DIMENSION

Harmonised Gas Role Model Specification From the Business Process perspective

Number:	2017-001/01.2
Subject:	Harmonised Gas Role Model – Business
	perspective
Approved:	30 May 2018

Stable Release

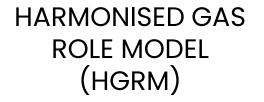


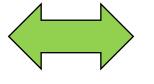
VERSION: 2020-01



VS

HGRM





HARMONISED ELECTRICITY MARKET ROLE MODEL (HEMRM)

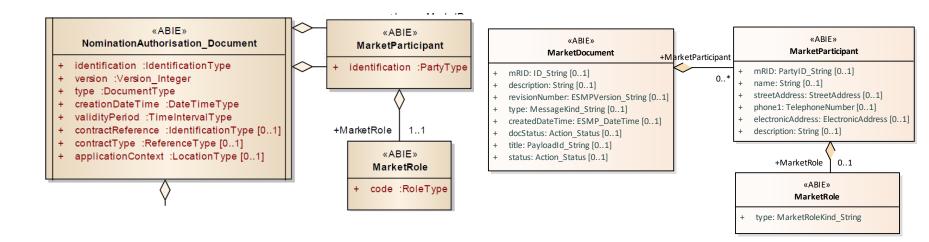






DATA DIMENSION

Data: Standards





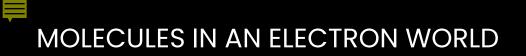
Common Information Model

UN/CEFACT

Modelling Methodology

(UMM)

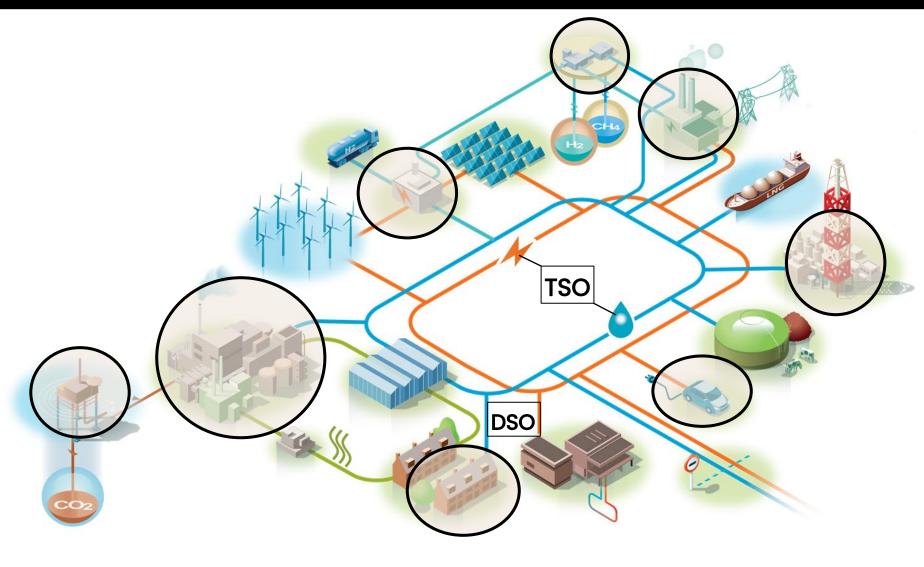






ENERGY CHAIN DIMENSION

Blind spot?





ENTE PROJE EDD

Europed Distributed nfrastructu Energ

 Key Partners Key Activities Start: Jan '23, 3 years runtime Develop <i>EDDIE Framework</i> Develop <i>AIIDA - the</i> Administrative Interface for In- house Data Access Intensive Scientific Assessment of The virtuous cycle for energy- data-driven economies Intensive Scientific Assessment of The virtuous cycle for energy- data-driven economies Provide expertise and learnings for EU Policy Makers Co-ordinate with other 4 projects 					
	Key Partners	 Start: Jan '23, 3 years runtime Develop EDDIE Framework Develop AIIDA - the Administrative Interface for In- house Data Access Intensive Scientific Assessment of The virtuous cycle for energy- data-driven economies Provide expertise and learnings for EU Policy Makers Co-ordinate with other 4 projects of the cluster to complement the 		 Data-Sharing Infrastructures Data-Driven Services DSOs and TSOs Smart Energy Actors Energy Communities European Commission EU Policy Makers Standards Defining Organisations Smart Metering Industry 	 Energy-related data-driven services (e.g. Energy Service Companies (ESCos), Carbon Footprint Est., 24/7 Matching, Green Hydrogen Schemas Non energy-related data-driven services Wholesale Actors (e.g. PPAs) Energy Communities (e.g. real- time access for community-wide self-consumption optimization, assigned collective generation) Grid operators, suppliers and
 Around 10 Mio. EUR Almost 8 Mio. funded via Horizon Europe artners Additional supporting partners European Commission Disc ENER & CONNECT EU Smart Grids Task Force - Data Interoperability Mart Grids Task Force - Data Interoperability Mart Grids Task Force - Data Mart Grids Task Mart Grids Task		 Key Hesources Close ties with EU energy market legislation, regulation and administration Close ties with grid operators, data-sharing infrastructures, smart energy actors, and scientific community Outstanding capabilities in and experience with digitalisation, cybersecurity and energy process automation Software development ressources covering the whole 	 highly scalable interface to >70% of European connection points Make it as easy and common share energy data as paying online. Free data-driven services of data sourcing costs. Generate reliable scientific insight into energy data infrastructure, economics and regulatory matters. Establish an organisation that takes care of making energy data available that is fit and set to keep on driving things for the future. Complement the European Energy Data Space with retail / final 	 Web: https://eddie.energy Social Media European Expert Groups Targeted Communications Plan: Data-driven services Regulators and Policy Makers Data-sharing infrastructures Final Customers Academic, Interoperability, Distributed Flexibility, Data Spaces - Communities Conferences 	
	 Around 10 Mio. EUR Almost 8 Mio. funded via Horizon Europe Additional supporting partners DGS EU EU 	European Commission ENER & CONNECT Smart Grids Task Force - Data	ESMIG WE MARE ENERGY SMART FENERGY Power of Together	SOO SmartEn Smart Energy Europe	 Public Funding Spin outs Open Source co-operation





PROJECT EDDIE INPUTS

IMPLEMENTING REGULATION (COM/2021/803)

SUPPLIER SWITCHING REGULATION (IN PROGRESS)

DEMAND RESPONSE REGULATIONS (IN PROGRESS)

Running ahead of the game **REGIONAL CONNECTOR RESTRICTIONS**

SYSTEM USE CASE DEMANDS

DEMONSTRATORS DEMANDS

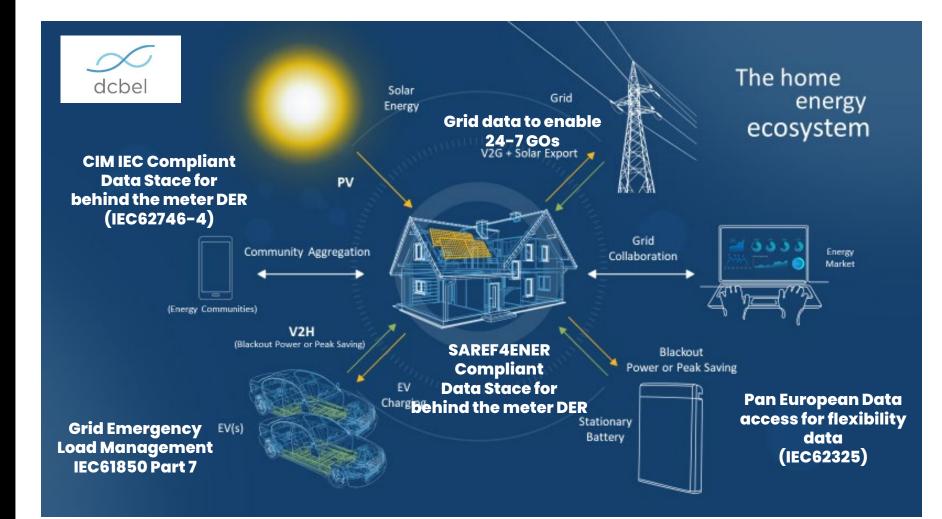
WHO DO WE WANT TO SUPPORT/SUPPLY WITH EDDIE?



USE CASE 1

Residential Energy Optimisation in future Netzero homes integrating PV self consumption, storage and V2X

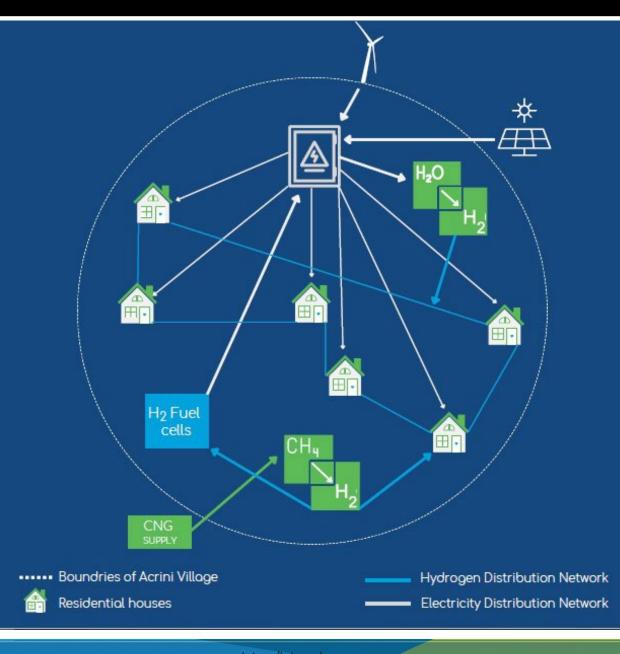
Dataspace for implicit Prosumer Participation





HYDROGEN VILLAGE

The gas demonstrator



Small energy community in North Greece

Green Hydrogen Electrolysers

Electricity: renewable – daytime fuel cells - nighttime

Hydrogen hot water boilers

Hydrogen pipelines & smart gasmeters

surplus electricity surplus hydrogen (feeded back into



KEY TAKE AWAYS

Things to consider

BE AWARE OF THE INTERSECTORIAL DYNAMICS ...

... ANTICIPATE THEM

... LOOK FOR OPPORTUNITIES

INCORPORATE LONG-TERM CONCEPTS

INTO SHORT-TERM PROJECT REALIZATIONS

THINK BIG, START SMALL

EDDEE EUROPEAN DISTRIBUTED DATA INFRASTRUCTURE FOR ENERGY

THANK YOU



USEFUL LINKS

Check it out

Electricity directive 2019/944 Gas Directive 2009/73 Implementing Regulation for access to metering and consumption data (EU) 2023/1162 Proposed Regulation CNG and hydrogen COM/2021/803 New implementing regulations Joint Working Group Project EDDIE EDDIE