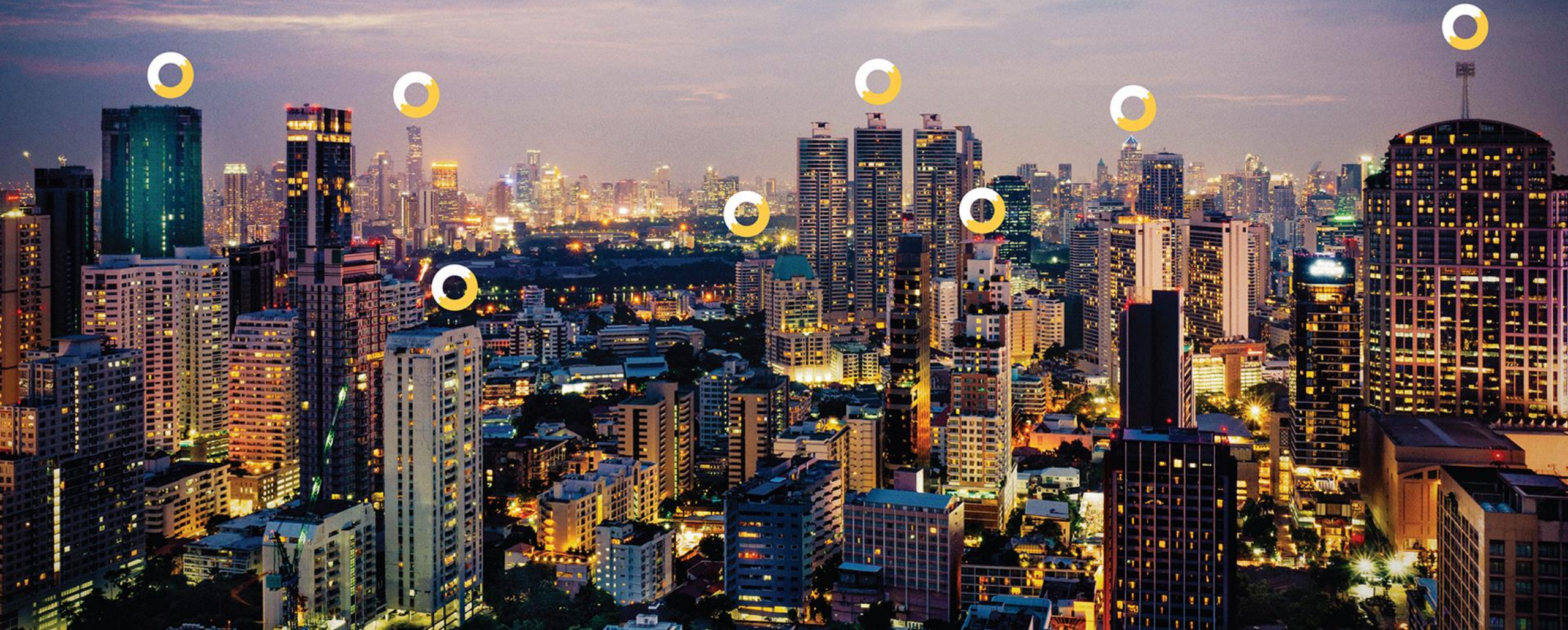


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# **WP 6**

## **Task 6.2.3**

### **Deliverable 6.12**

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June 2022



# Report Overview

- This document is a third in a series of 10 documents that will be used to follow-up pilot activities and to assess their status within WP6 .
- Updates will be provided in:
  - M21: Evaluation period Apr. 2021 to Jun. 2021 – Expected delivery (Jul. 2021) – D6.8
  - M24: Evaluation period Jul. 2021 to Sep. 2021 – Expected delivery (Oct. 2021) – D6.9
  - M30: Evaluation period Oct. 2021 to Dec. 2021 – Expected delivery (Mar. 2022) – D6.10
  - M33: Evaluation period Jan. 2022 to Mar. 2022 – Expected delivery (Apr. 2022) – D6.11
  - M36: Evaluation period Apr. 2022 to Jun. 2022 – Expected delivery (Jul. 2022) – **D6.12 This document**
  - M39: Evaluation period Jul. 2022 to Sep. 2022 – Expected delivery (Oct. 2022)
  - M42: Evaluation period Oct. 2022 to Dec. 202 – Expected delivery (Jan. 2023)
  - M45: Evaluation period Jan. 2023 to Mar. 2021 – Expected delivery (Apr. 2023)
- These deliverables are complementary to deliverables 6.1 to 6.7 where the performance and the impact on the various KPI's will be discussed in more details.



# Pilot List

- **16 Pilots, 7 Countries:**

- I. **Belgium:**

BE 01 Antwerp - Student Dormitory  
BE 02 Genk - ThermoVault  
BE 03 Genk - Thorpark  
BE 04 Gent - Nieuwe Dokken  
BE 05 Hasselt - Cordium  
BE 06 Kobbegem - Nanogrid  
BE 07 Vinkenbos - 3E  
BE 08 Zellik - Green Energy Park  
FR 01 - Toulon

- II. **France:**

- III. **Germany:**

DE 01 – Hamburg  
DE 02 – Norderstedt

- IV. **Greece:**

GR 01 – Volos

- V. **Italy:**

IT 01 – Milano

- VI. **Portugal:**

PT 01 – Portugal  
PT 02 – Portugal

- VII. **Netherlands:**

NL 01 – Eindhoven

- VIII. **Overarching Pilot:**

OV 01 – Cybergrid



# Report Content

- The planning of the deliverables has slightly shifted due to recent project interventions. D6.10 was due in January 2022 but has moved to March 2022. D6.11 has slightly shifted to June 2022. This deliverable D6.12 is again on track as per July 2022.
- This reporting period has seen a focus pilot KPIs and on a less complicated KPI report.
- Only 7 out of 16 pilots have reported their KPIs.
- An overview is given on the next slide.
- The Excel source file is available on the project folder in WP6: <https://drive.inesctec.pt/f/24457711>

# Report Content



Deliverable	D6.12		BE.01	BE.02	BE.03	BE.04	BE.05	BE.06	BE.07	BE.08	FR.01	NL.01	PT.01	IT.01	DE.01	DE.02	GR.01	OV.01
KPI	KPI Description	Total																
INT 1	# services registered in the Service Store of Interconnect, developed by the project partners	50	0	1		1				0	21						25	2
INT 2	# services registered in the Service Store of Interconnect, developed/ adapted as result of open calls	0	0	0						0							0	0
INT 3	# Instances/runtimes per service	2	0	0		0				0	1						1	0
INT 4	# Instances/runtimes of the interoperability layer	1	0	0		0				0							1	0
INT 5	# messages and datapackets per service	0	0	0		0				0							-	0
INT 6	# DSO adopting the standardized interface	1	0							0	1							0
INT 7	# flexibility platforms interfacing with DSO Interface	0	0							0								0
INT 8	# Flexibility platforms interfacing with DSO interface	1	0							0								1
EN 1	Increase in the use of RES due to load shift in buildings	0	0	0%		0				0	-							0
EN 2	Maximum aggregated power fraction per district for demand side flexibility (%)	0	0			0				0							-	0
EN 3	Peak load reduction	0	0			0				0							-	0
EN 4	Decrease in injection to the main grid * Aggregated for demonstration site * For each individual flexible asset	0	0	0%						0								0

# Report Content



Deliverable	D6.12		BE.01	BE.02	BE.03	BE.04	BE.05	BE.06	BE.07	BE.08	FR.01	NL.01	PT.01	IT.01	DE.01	DE.02	GR.01	OV.01
KPI	KPI Description	Total																
EN 5	Locally produced energy traded in community	0	0							0								0
EN 6	Number of times the voltage at grid connection exceeds the threshold	0	0							0								0
EN 7	Grid peak load reduction at transformer level	0	0							0								0
EN 8	Carbon Intensity reduction	12,32	0	12,32						0							-	0
USER 1	Rise in customer energy awareness	0	0	0%						0							-	0
USER 2	Net promoter score measuring customer satisfaction (difference in % between promoters and detractors)	0	0	0%						0							-	0
USER 3	Customer effort score	0	0	0%						0							-	0
USER 4	User-centric co-creation engagement	1	0			1				0							-	0
USER 5	Amount of user adoption/involvement by the end of the project (benchmark: beginning of the pilot)	0	0	0%						0							-	0
USER 6	Increase in perceived value of the service	0	0	0%						0							-	0
CYBER 1	Security Level	9	0	2		1				1	1						2	2
CYBER 2	Maturity Levels	9	0	1		1				1	1						2	3
CYBER 3	Protection Level of the system	8	0	1		1				1	1						2	2

# Report Content



Deliverable	D6.12		BE.01	BE.02	BE.03	BE.04	BE.05	BE.06	BE.07	BE.08	FR.01	NL.01	PT.01	IT.01	DE.01	DE.02	GR.01	OV.01
KPI	KPI Description	Total																
BUS 1	customer economic impact	0,1431	0	14%		0				0								0
BUS 2	# validated business cases ready to be tested in the market	0	0	0						0								0
BUS 3	Average estimated cost decrease of deploying new service	0	0							0							-	0
DEP 1	Fraction of households/buildings participating to the demand side flexibility (DSF)	0,496454	0	50%		0				0							-	0
DEP 2	Number of participants	217	0	78		0				0							139	
DEP 3	Number of Digital Innovation Hubs (DIHs) reached as potential adopters/disseminators	0	0							0							-	0
DEP 4	Number of standards and regulatory bodies approached and influenced by the project	0	0							0							-	0
DEP 5	Number of Pilots interested in becoming Associated Pilots	0	0							0							-	0
DEP 6	Number of stakeholders in the InterConnect Community	6	0							0							6	0
DEP 7	Number of services/applications integrated with the marketplace	0	0							0								0
DEP 8	Number of policy-makers receiving recommendations about measures to foster the European decentralised energy marketplace	0	0							0							-	0
DEP 9	Number of SMEs and start-ups reached	0	0							0							-	0
DEP 10	Number of SMEs and start-ups making use of the interoperable marketplace toolbox	0	0							0							-	0
DEP 11	Percentage bottom-up projects that contribute to improve energy efficiency	0	0							0							-	0





# Conclusion

- Only 7 out of 16 pilots have reported their KPIs. This 43%.
- Roughly only 10% of the KPIs are being reported by the pilots.
- A combination of reasons are to be taken into account:
  - Start of the holiday period
  - Unavailability of KPI data
  - Pilots not started yet
  - Previous KPI report (the one on CYBER contained in D6.11) was only a month ago
  - Delays in software deliveries for white goods and other devices (SSA development)
  - Delay in budget shifts of certain pilots due to justified prolonged amendment preparation

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## FINANCING



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant agreement No 857237

## PROJECT CONTACT

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## DURATION

01.10.2019 / 30.09.2023

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