



openDBL

Improving Buildings is Improving EU

D4.8
Knowledge Sharing Plan
M24

Disclaimer and acknowledgements



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1 Contents

1	Introduction	8
1.0	openDBL Project summary	8
1.1	Mapping openDBL outputs	8
1.2	Deliverable Overview and Report Structure	9
2	Knowledge Sharing Plan (KSP).....	11
2.1	Channels Progress (2023).....	11
2.2	Channels Done (2024).....	11
2.3	Overall Picture	12
2.4	Details of the Events done.....	14
3	KSP 2025 (Next Activities)	16
4	Conclusions	17
5	Disclaimer.....	17

List of Tables

Table 1:	Glossary of terms and acronyms used.....	6
Table 2:	openDBL work description	10

List of Figures

Figure 1:	Channels Planned (Baseline 2023-2025).....	11
Figure 2:	Channels done (Actual as per 31.12.2024)	12
Figure 3:	Summary KPI	13
Figure 4:	KS Channels Progress Activities until 31.12.2025	17

Glossary of terms and acronyms used

Table 1: Glossary of terms and acronyms used

Acronym/Term	Description
BIM	Building Information Modeling
KS	Knowledge Sharing
KSP	Knowledge Sharing Plan
KSP Methodology	The methodology designed to orientate, facilitate and monitor the KS activities of our Partners
Project	openDBL

Executive summary

Subject of the deliverable: The deliverable defines an update of openDBL KSP v.1.0, listing the events held in the second year and delining the schedule for the next Project year (2025).

Purpose of the deliverable: The purpose of this document is to check the progress of activities related to the KSP and verify that the planned events actually cover the Project goal (the defined KPIs) by listing the events already held and planning the next year's activities.

Summary of the work carried out: The partners defined a series of events grouped according to the channels identified and reported the events in which they participated individually or together.

A summary and review of the actual coverage of the second year of the plan was made and a new schedule for next year was defined.

Main Conclusions: We are currently slightly behind the overall planning; however, we remain confident that we will reach the goals in the last year, thanks to the participation at different conference and fairs.

1 Introduction

1.0 openDBL Project summary

openDBL intends to integrate multidisciplinary know-how to cover the requirements of the Call and solve the issues of the current situation in the area. The challenge of the Project is to allow, through the development of openAPI, the disposal of openDBL in a unique standardized platform and create useful content, to simplify the workload of the AECO industry.

The Project pursues 3 objectives: 1) create a DBL with useful content and functionalities, 2) ensure openDBL is simple to use, reducing the time spent to upload, search and process the information and data to facilitate usage and gain wide adoption, 3) ensure attractive economics, through value propositions and convenient pricing.

The Project will provide any users with an integrated platform for their digitization needs; ensure that information and data comply with the latest trends and needs of our target clients and support the EU's circular economy and green policies; develop automatic classification systems and data standards; facilitate the operation and maintenance activities of the buildings. This will be achieved through the creation of an Information Delivery Manual and a Data Model. openDBL will support data matching with external databases and will integrate state of-the art technologies (AI, Blockchain, IoT and VR).

Our ambition is to make openDBL the platform of reference for the monitoring of building consumption, transparencies of transactions and official documents, and the positive impact on maintenance and environment. We will define an appropriate business model for the users to subscribe and for the consortium partners to make it economically viable.

1.1 Mapping openDBL outputs

To achieve its goals the Project is divided into six WPs with different tasks and deliverables.

The main objective of WP4 is to conduct targeted, effective and high-impact communication, and dissemination, ie. the sharing of the Project's results, information and findings with end-users, stakeholders and other relevant parties.

As specific objectives, WP4 aims to:

- Delivering tailored communication & awareness actions to specifically targeted audiences.
- Promoting the Project and its outputs to the largest possible audience, maximizing the expected impacts of openDBL.
- Ensuring continuous assessment and improvement of communication activities during the Project implementation through periodic monitoring and analysis of this KSP.
- Implementing and following a dedicated stakeholder engagement strategy.
- Defining the Dissemination Plan.
- Implementing dissemination actions, including networking & clustering.
- Defining the transferability of the Project's results and its further use by all Partners.

1.2 Deliverable Overview and Report Structure

This document **tracks the progress of Knowledge Sharing** of each Partners by checking their effective preparation and delivery of identified communication events and dissemination channels.

By keeping an updated calendar of events done and summarizing their content we verify what has been delivered versus the defined KPIs and monitor with each partner the outcomes of their dissemination activities within the given deadlines.

Once past performance is verified (Year 2024), we have compared baseline vs. actual to monitor what has been achieved and what needs to be carried on. Finally, we propose a new list of events to fully match the defined KPIs goals and to populate the calendar for the next reporting period (Year 2025).

Table 2: openDBL work description

openDBL GA Component Title	openDBL GA Component Outline	Respective Document Chapter(s)	Justification
DELIVERABLE			
<i>D[4.8]</i> <i>[Introduction Chapters]</i>			Deliverable 4.8 indicates how each Partner has performed to share the knowledge acquired during the second year of Project.
ACTIVITIES			
<i>T[4.3]</i> <i>[Knowledge Sharing Plan]</i>			Ultimate goal of the KSP is to be the reference Guide for the Consortium Partners and a “living” document to organize their work with the goals described herein.

2 Knowledge Sharing Plan (KSP)

2.1 Channels Progress (2023)

Each partner contributed to the overall baseline, which defined the KPIs for the whole openDBL Project.

After the first year of activities, we have updated the Baseline to verify the progress of the plan. At this link ([KS Coverage Matrix](#)) we published and keep updated the Progress done. The screenshot below shows the Baseline of the whole Project.

Partners	KS Channels (planned)																				
	Project Reports and Deliverables	Publications (Peer reviewed)			Publications (Non-Scientific)						Events (Demos, Exhibitions and Pilot Spotlight Sessions)						Business Conferences and Trade Fairs				
	Public Repositories	Journals	Magazines	Conferences on digital transformation	Technical blog posts	Articles	Brochures	Book chapters	Reference from technology providers (bottom-up)	Reference on use case domains (top-down)	Workshops	Demos	Webinars	Exhibitions	Focus groups	Hackathons	Summer school	European business conference	Trade fairs	Presentations and Talks	TOTAL
CETMA						1					1	1	1				1			3	8
AMTP						2					2		1	1			1			3	10
ASRO						2														6	8
CEM											1		2	2			2			2	9
DIGI																					0
DOR						1					1	1		1					1		5
EDI		3									1	1	1					2		6	14
EM					2	4					1	5					1			1	14
IABI		2											6		3					4	15
IN						1	1	1									1			1	5
KIF																					0
MIS											1		2							1	4
RUV						1	1				1	1									4
Total	0	5	0	0	2	12	2	1	0	0	8	9	13	5	3	0	6	2	1	27	96

Figure 1: Channels Planned (Baseline 2023-2025)

This table:

- documents the KS activities chosen by each partner
- defines their responsibilities / contributions in achieving their KPI
- facilitates an immediate comparison between what has been planned and what still needs to be accomplished.

2.2 Channels Done (2024)

We have monitored the KS channels used by each partner over the past year as reported in following summary table.

Partners	Channel category	Channel type	Event Name	Date	Comments
AMTP					
ASRO	Business Conferences and Trade Fairs	Presentations and Talks	INNCONSTRUCT 2024 https://enconstruct.ro/	29th of May	https://www.facebook.com/photo?fbid=973008048167855&set=pcb.972932538173406
ASRO	Business Conferences and Trade Fairs	Presentations and Talks	Eurocodes standardization community meeting	26th of June	Overall openDBL presentation
ASRO	Business Conferences and Trade Fairs	Presentations and Talks	BIM standardization community meeting	4/10/2024	Overall openDBL presentation
ASRO	Business Conferences and Trade Fairs	Presentations and Talks	Collaboration opportunities between COLLECTEF and openDBL	11/6/2024	Collaboration opportunities between COLLECTEF and openDBL
ASRO	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Summer School	openDBL - webinar @ Master BIM A+	22/05/2024	Standardization system
ASRO	Publications (Non-Scientific)	Article	Standardization works in openDBL Project	29/01/2024	Article about standardization works in openDBL for the readers of Standardization publication https://www.standardizarea.ro/wp-content/uploads/2024/06/Revista-1-2024.pdf
CEM	Business Conferences and Trade Fairs	European Business Conference	Timepac Final conference on transforming building performance assessment	4/10/24	Round table 3: Improvements in building assessment through data integration
CETMA	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Pilot Demos Demo	VR BIM VIEWER TOOL	24/02/2024	VR BIM VIEWER TOOL
DIGI	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Exhibition	Latitude59	May 22-24	https://www.opendbl.eu/digitouch-showcases-opendbl-project-at-latitude59
EDI	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	IoT system Demo	openDBL Public Event in Ruvo Di Puglia	April, 2024	
EDI	Publications (Peer-reviewed)	Journal	A Comprehensive Review of Sensor-Based Smart Building Monitoring and Data Gathering Techniques in Applied Sciences journal Special Issue "DigitalTwin and IoT"	November, 2024	https://doi.org/10.3390/app142110057
EM	Business Conferences and Trade Fairs	Presentations and Talks	Lesson at Management and enhancement of Urban real estate assets, University of rome Master course	6-Jul	
EM	Business Conferences and Trade Fairs	European Business Conference	Ossif (ABI)	19/06/2024	
EM	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Webinar	openDBL CHRONICLE and Digibuild Joint Webinar	26/02/2024	
EM	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Summer School	openDBL - webinar @ Master BIM A+	22/05/2024	
EM	Publications (Non-Scientific)	Technical Blog Post	https://www.esq360.it/smart-building/opendbl-il-progetto-europeo-per-la-conoscenza-della-costruzione-ai-fini-della-sostenibilita/	11/6/24	
IABI	Publications (Peer-reviewed)	Journal	Leveraging Classification Knowledge for Improved Data Accessibility of Data in Digital Construction	15/07/2024	https://ec-3.org/publications/conference/paper/?id=EC32024_167
IABI	Publications (Peer-reviewed)	Journal	Bridging Information Gaps in AECO Industry: A Prototype Framework for Standardized Product Data Provision	15/07/2024	https://ec-3.org/publications/conference/paper/?id=EC32024_1682
IN	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Summer School	openDBL - webinar @ Master BIM A+	22/05/2024	
KIF	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Workshop	27th June 2024 @Technical Chamber of Greece	27/06/2024	https://www.linkedin.com/feed/update/urn:li:activity:7212006560191934465/
KIF	Business Conferences and Trade Fairs	Presentations and Talks	27th June 2024 @Technical Chamber of Greece	27/06/2024	https://www.linkedin.com/feed/update/urn:li:activity:7212006560191934465/
MIS	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Workshop	BIM Course Organized by Mislata City Council	25/01/2024	https://www.opendbl.eu/bim-course-organized-by-the-mislata-city-council
RUV	Events (Demos, Exhibitions and Pilot Spotlight Sessions)	Workshop	OpenDBL: The digital building logbook: IoT and BIM digitization for the entire construction 4.0 supply chain	19/04/2024	
RUV	Publications (Non-Scientific)	Article	TG Leonardo: Science and Environment News by the science editorial staff of Tgr Piemonte	2-May	
RUV	Publications (Non-Scientific)	Article	TGR Puglia: Talking buildings: a remote monitoring on environmental quality and safety	30/04/2024	
RUV	Publications (Non-Scientific)	Article	BarLRepubblica.it: Buildings with digital logbook: in Apulia, Italy's first test on the 100-year-old Giovanni Bovio school in Ruvo	30/04/2024	

Figure 2: Channels done (Actual as per 31.12.2024)

Each partner has identified the categories of the channels used for each event they participated in, providing details such as the name, date, and comments on the topics discussed.

2.3 Overall Picture

Thanks to the insights gained from both tables above, we have summarised the events held and the progress of the plan.

KS Channels		Target KPI (Goals from Proposal)	Planned (Deliverables 4.6)	Coverage	Done (Calendar2023)	Done (Calendar2024)	To do 2025 (KPI vs Done)
Project Reports and Deliverables		5	15	-10	15	12	-22
Publications (Peer reviewed)		2	5	-3	1	3	-2
Publications (Non-Scientific)		5	17	-12	0	5	0
Events	Workshops	3	8	-5	0	3	0
	Demos, Webinars, Exhibitions & Focus groups	10	29	-19	1	4	5
	Hackathons	3	0	3	0	0	3
	Summer school	3	6	-3	1	1	1
Business Conferences and Trade Fairs	Conference & Trade fairs	20	4	16	3	2	15
	Presentations and Talks	10	27	-17	10	6	-6
Legenda							
	KPI covered						
	KPI not covered						

Figure 3: Summary KPI

As shown in Figure 3, the green cells show channels that are aligned with or ahead of the Baseline. The orange cells indicate the KPIs that lag behind the Baseline and require actions.

The good news is that half of the channels defined in the KSP 1.0 have been covered!

However a few actions still need to be done:

- 5 events (e.g., demos, webinars, exhibitions, focus groups).
- 3 Hackathons
- 1 Summer school
- 15 Conference & Trade fairs

The plan for 2025 clearly needs to focus to these actions.

Chapter 3 describes how to achieve the KSP targets (Next Activities) and how each partner plans to proceed.

2.4 Details of the Events done

In 2024 the Consortium Partners participated in business conferences and trade fairs related events and made presentations regarding the openDBL Project:

1. Ossif (ABI)
2. Timepac Final conference on transforming building performance assessment
3. Technical Chamber of Greece
4. INNCONSTRUCT 2024
5. Eurocodes standardization community meeting
6. BIM standardization community meeting

Moreover, the Consortium Partners organized and participated in these events:

1. **openDBL summer school @ Master BIM A+** (University of Minho, Portugal; University of Ljubijana, Slovenia; Politecnico di Milano, Italy). Many partners the approach and the methodology of openDBL, implementation and use of AI, standardization and demo of the platform. Below is the program of the event.

 European Master in Building Information Modelling				
openDBL webinar @ Master BIM A+		Partner	Speaker	Schedule
#	Modules and Topics			
1	Introductions			
1.1	openDBL and BIM A+ : why it is important	Uni Minho (PT)	Miguel Azenha	14:30- 14:40
1.2	openDBL: vision and innovation	CETMA	Italo Spada	14:40-14:50
2	Use Cases and Data Model			
2.1	Use Cases and Business Needs	in2it	Mario Caputi	14:50-15:10
2.2	Data Model and IDM	iabi	Rasso Steinmann	15:10-15:30
2.3	IoT on Pilot Buildings	EDI + KIF	J.Judvaitis - Y.Vrachnos	15:30-15:50
3	Technologies and Systems			
3.1	Mobile App & Digital Twin for quality control	CEMOSA	Gloria Calleja-Rodriguez	15:50-16:10
3.2	Artificial Intelligence	iabi	Jakob Martin	16:10-16:25
3.3	openDBL Platform and API	e-metodi	Michele Allori	16:25-16:45
4	Standards and Sustainability			
4.1	Standardization Process	ASRO	Cristina Chirea	16:45-17:05
4.2	KPI and the sustainable environment	AMTP	Zenon Foltynowicz	17:05-17:25
5	Conclusions / Q&A	Digiotouch	Soumya	17:25 - end

2. **Collaboration opportunities between COLLECTiEF and openDBL and openDBL, CHRONICLE and DigiBuild.** This was both a presentation and a webinar, where we shared the Project results and made contacts for collaborations with future partners.
3. **Latitude59**, a premier startup and technology event in Tallinn, where partners

have presented and disseminated the Horizon Europe openDBL Project. During the event, the partners team engaged with a diverse audience, including BIM engineers, tech sector leaders, entrepreneurs, and investors. Discussions centred on how openDBL could impact the “BIM-based” digital revolution by introducing stressing the importance to design new business processes, improving data accessibility and transparency, and fostering seamless stakeholder collaboration.

The three Municipalities (KIF, MIS and RUV) held one workshop each to show their communities the benefits of digitalization, the technologies used and the achieved results of the Project. In details:

1. BIM Training course organized by the Mislata City Council
2. OpenDBL: The digital building logbook: IoT and BIM digitization for the entire construction 4.0 supply chain by Ruvo di Puglia
3. BIM application in existing buildings (Technical Chamber of Greece) by Kifissia

Furthermore, the Consortium Partners have published in newspapers and technical blog post (non-scientific) and in journals (peer-reviewed):

1. **Standardization works in openDBL** for the readers of Standardization publication.
2. **Buildings with digital logbook: in Apulia, Italy's first test on the 100-year-old Giovanni Bovio school in Ruvo** on Bari.Repubblica.it.
3. **Talking buildings: a remote monitoring on environmental quality and safety** on Regional TV of Puglia.
4. **Science and Environment News by the science editorial staff of Tgr Piemonte** on Italian TV Program: Leonardo.
5. **openDBL – the European Project to make construction more sustainable** on esg360.it.
6. **Bridging Information Gaps in AECO Industry: A Prototype Framework for Standardized Product Data Provision** in European Conference on Computing Construction.
7. **Leveraging Classification Knowledge for Improved Data Accessibility of Data in Digital Construction** in European Conference on Computing Construction.
8. **A Comprehensive Review of Sensor-Based Smart Building Monitoring and Data Gathering Techniques** in Applied Sciences journal Special Issue "Digital Twin and IoT".

In these events, the partners carried out activities of networking and discussions on

the latest technologies such as scan2BIM, Cyber Security, Artificial Intelligence, VR/AR. Also, they presented the openDBL Project and the (first) functionalities of the platform.

We are still in the full development phase of the openDBL solution. Currently, we provide only basic information as we still prefer not to disclose technical details about the innovations we are implementing.

3 KSP 2025 (Next Activities)

To fully match our KPIs, the partners will organize and participate in selected events to share and publicize the evolution of the Project, which will have reached its final stage. To this extent the partners will conduct:

- the first Hackathon, “**Innovating Smart Quality Control**” at the upcoming face-to-face meeting in Malaga on January 22.
- the remaining two Hackathons at Dormakaba in Germany (April) and in Brussel for the final openDBL conference.
- the last **Summer School** in Munich in May/June

Finally, the partners identified several Fairs and Conferences, taking place in the whole calendar year. The most important are:

1. **SAIE** - The largest Italian trade fair for construction and BIM in Bari.
2. **BIM World** - Focuses on BIM and digital construction, attracting professionals interested in the latest technologies and trends in Munich.
3. **MIPIM** - One of the largest real estate events, bringing together influential players from all sectors of the international property market in Cannes.
4. **UK Construction Week** - The UK’s largest construction event, featuring a wide range of sectors within the construction industry in London.
5. **SIMA** - An important event for the real estate sector in Spain, covering residential, commercial, and industrial real estate in Madrid.
6. **European Building Summit** - This event focuses on industrialized construction, sustainability, and renovation, with a strong emphasis on digital technologies and BIM in Barcellona.

The table below will be updated continuously, keeping track of the events that will be conducted by the partners in 2025.

Partners	KS Channels (progress 2025)																				
	Project Reports and Deliverables	Publications (Peer reviewed)			Publications (Non-Scientific)						Events (Demos, Exhibitions and Pilot Spotlight Sessions)						Business Conferences and Trade Fairs				TOTAL
	Public Repositories	Journals	Magazines	Conferences on digital transformation	Technical blog posts	Articles	Brochures	Book chapters	Reference from technology providers (bottom-up)	Reference on use case domains (top-down)	Work shops	Demos	Webinars	Exhibitions	Focus groups	Hackathons	Summer school	European business conference	Trade fairs	Presentations and Talks	
CETMA																					0
AMTP																					0
ASRO																					0
CEM																					0
DIGI																					0
DOR																					0
EDI																					0
EM																					0
IABI																					0
IN																					0
KIF																					0
MIS																					0
RUV																					0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 4: KS Channels Progress Activities until 31.12.2025

By the end of January 2025, in2it will publish the full calendar for 2025, which will be updated from time to time by the partners with information about the events covered.

4 Conclusions

By December 31, 2025, we are confident to match the promised KPIs.

We will produce the final, updated version of this KSP, to report the activities completed. The internal monitoring and control process will occur every three months.

5 Disclaimer

The sole responsibility of this publication lies within the author. The European Union is not responsible for any use that may be made of the information contained therein.