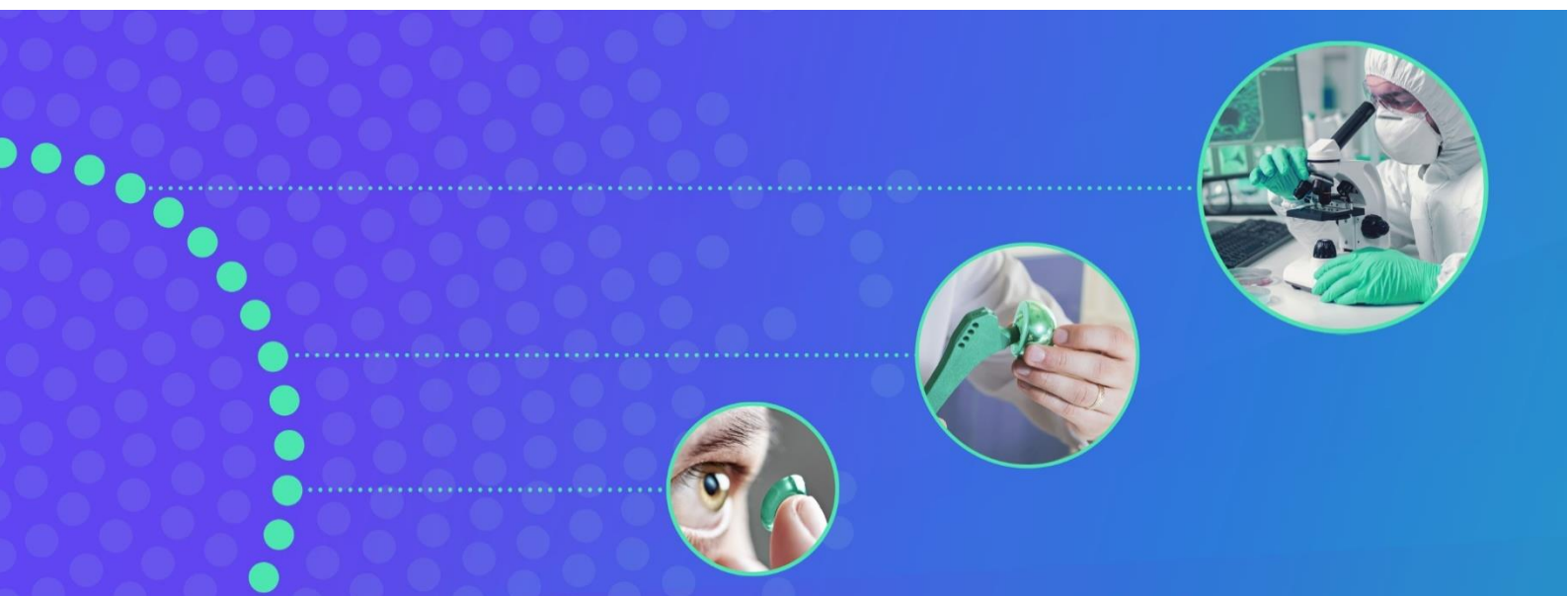




BIOMATDB

ADVANCED DATABASE FOR BIOMATERIALS WITH DATA ANALYSIS AND
VISUALISATION TOOLS EXTENDED BY A MARKETPLACE WITH DIGITAL ADVISORS

Grant Agreement: 101058779

D6.3 DEC plan update and DEC materials (Package 2)



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Acronyms & Abbreviations

Term	Description
CSA	Coordination & Support Action
DB	Database
DEC plan	Dissemination, Exploitation and Communication plan
DoA	Description of Action
ER	Exploitable result
HRB	Horizon Results Booster
KER	Key exploitable result
KPIs	Key Performance Indicators
MAR	Marketplace
PWS	Project website
R&D	Research & Development
SME	Small and Medium Enterprises
WP	Work Package

1 Introduction

1.1 Overview

This deliverable provides a detailed update of the dissemination, communication, and exploitation plans as the BIOMATDB project enters its final phase. Furthermore, it will report on the progress achieved in the areas of dissemination, communication, and exploitation.

The DEC plan update reinforces BIOMATDB's commitment to effectively sharing its findings and maximising the impact of its results. By revisiting and updating the objectives and strategies for communication, dissemination and exploitation, the deliverable underscores the importance of maintaining the project's visibility and ensuring that its outcomes are communicated to the right audiences through appropriate channels. Moreover, it highlights the measures taken to manage intellectual property rights and exploitation activities, ensuring that the project's key exploitable results are leveraged effectively.

The deliverable offers insights into the project's performance through the evaluation of key performance indicators, providing a clear picture of how well the project is meeting its objectives. Furthermore, D6.3 sets a clear direction for future activities to position the project to achieve its final goals and to ensure lasting success.

As part of the DEC plan update an additional package of dissemination materials will be presented, showcasing the project’s commitment to continuous engagement and stakeholder involvement.

1.2 Relation to other tasks and deliverables

This deliverable is related to the following other BIOMATDB tasks and deliverables:

Receives inputs from:

Table 1. D6.3 Input from other tasks and deliverables

Deliverable	Due Date	Input for D6.3
D6.1	31.08.2022	Project website with social media channels and communication plugins
D6.2	31.10.2022	DEC plan and DEC materials (Package 1)

Provides outputs to:

Table 2. D6.3 Output for other tasks and deliverables

Deliverable	Due Date	Output from D6.3
D6.4	28.02.2025	Exploitation plan including market strategies and business models
D6.5	28.02.2025	Networking, dissemination and partnership building report

1.3 Structure of the deliverable

Section 1 introduces the deliverable, as well as its relation to other tasks in the project.

Section 2 presents an update of the dissemination and communication plan including the aims and objectives for the last project phase, the audience and channels, and an update of the dissemination and communication strategy and the progress in dissemination and communication activities.

Section 3 presents the update of the exploitation plan including the aims and objectives for the last project phase, an update of the exploitable results, the exploitation strategy and the IPR strategy as well as the progress in exploitation activities.

Section 4 provides an overview of the achieved KPIs and the project progress in terms of dissemination, exploitation and communication based on the monitoring tools established in the first DEC plan.

Section 5 showcases all dissemination materials that were additionally produced since the last deliverable 'DEC plan update and DEC materials (Package 1)'.

2 Dissemination & communication plan (update)

This section contains the updated communication and dissemination aims and objectives as well as the updated dissemination plan..

2.1 Aims & Objectives

Table 3 shows the target groups as well as the aims and objectives of the BIOMATDB communication and dissemination activities.

Table 3. Dissemination & Communication aims and objectives

	Target Groups	Aims & Objectives
Communication	Citizens, stakeholders and the media	Inform, promote and communicate activities and results Raise awareness on the importance of the project and on the challenges the project attempts to solve Plan a clear communication strategy Define key messages for each stakeholder group Select communication channels Engage stakeholders and attract experts
Dissemination	Researchers, industry, public authorities, policymakers, non-governmental organisations, institutions and associations	Make knowledge and results publicly available. Set up a clear dissemination strategy. Select dissemination channels including scientific magazines, scientific and/or targeted conferences, databases Maximise the impact of the project. Advance the development of cutting-edge knowledge. Enable researchers to progress further in their studies. Involve stakeholders and attract experts Network and form strong and sustainable relationships in order to improve the long-term take-up of the BIOMATDB developments.

2.2 Main audience & channels

The types of communication channels and the target groups addressed through the different communication channels remain largely unchanged to the first DEC plan as can be seen in Table 4 and Table 5.

Table 4. Types of dissemination and communication channels

In-person	Workshops, presentations, or meetings with relevant stakeholders
Written	Leaflets, posters, infographics
Technology-based	Websites and social media channels

Table 5. Target audience, main messages and channels

Target Audience	Communication & Dissemination Goals	Communication & Dissemination channels
General public, citizens & patients	- inform the public about the BIOMATDB project - raise awareness about the BIOMATDB project - build trust	- Project website - Social media channels - Newsletter - Press releases
Academia, research institutions, scientific communities ("Researchers")	- promote the solutions of the BIOMATDB project - describe the advantages of the solutions for academia, institutions, the research and science community - get the scientific community to engage with the project and to provide feedback to tailor the database and marketplace to their needs - facilitate R&D cooperation - facilitating exploitation of the project results	- Project website - Social media channels - Events, conferences and congresses - Publications in open access journals - Conferences
SMEs, start-ups, industry ("Suppliers")	- inform about the BIOMATDB project and its solutions - describe the usefulness and the advantages of the solutions for companies and SME's especially in regard to market access - build trust - engage stakeholders and encourage collaborations - facilitate involvement in the BIOMATDB project e.g., through taking part in the surveys for suppliers - facilitate R&D cooperation - facilitating exploitation of the project results	- Project website - Social media channels - Newsletter - Press releases - Scientific journals - Specialized conferences, congresses and workshops, industry events (fairs) - Utilizing connections and resources of the consortium partners

Medical/Hospital organisations, health professionals and medical procurement groups (“Demanders”)	- inform about the BIOMATDB project and its solutions - describe the usefulness and the advantages of the proposed solutions for medical institutions, procurement organisations, clinicians, etc. - build trust - engage stakeholders and encourage collaborations - facilitate project involvement, e.g., through taking part in the surveys for demanders - facilitating exploitation of the project results	- Project website - Social media channels - Newsletter - Press releases - Scientific journals - Specialized conferences, congresses and workshops, industry events (fairs) - Utilizing connections and resources of the consortium partners
Governmental/policy stakeholders, public bodies, investors (“Policy makers & investors”)	- promote the BIOMATDB project and its solutions - describe the usefulness of the proposed solutions for regulating bodies, policy makers, governmental stakeholders and investors - facilitate involvement in the BIOMATDB project e.g., through taking part in the surveys for policy makers & investors	- Project website - Social media channels - Policy Workshops; Specialised - Communication channels (EU Community, etc.)
Societies, associations, networks or foundations in the context of biomaterials (“Enablers”)	- promote the BIOMATDB project and raise awareness - facilitate involvement in the BIOMATDB project e.g., through taking part in the surveys	- Project website - Social media channels - Newsletter - Events, conferences and congresses
Other Projects	Create connections and synergies	- Events, conferences, congresses and workshops - Social media channels

2.3 Dissemination & communication strategy – Update

The dissemination strategy outlined in [Table 6](#) should ensure that all stakeholders are informed about the BIOMATDB project and its results and that the project results are made widely available. To align with the lifecycle of the project, the strategy has been divided into three strategic areas. The communication and dissemination strategy serves to structure the communication and dissemination plan and facilitate the definition of dissemination activities.

Table 6. Dissemination and communication strategy

Phase	Name	Main objectives
A	Initial awareness phase	At the beginning of the project, the main aim of all dissemination and communication activities is to raise awareness about the project and its objectives among all relevant stakeholders. More specifically, the intended activities include: ▪ Setting up the project identity used in all dissemination and promotion material (i.e., logo, brochures, presentations, etc.) to establish the BIOMATDB brand. ▪ Creating and maintaining the official BIOMATDB website, which introduces the project and the consortium to the public and describes the vision and goals of the project. ▪ Designing and creating BIOMATDB information materials (i.e., leaflets) to be distributed by partners at related events. ▪ Using communication means such as infographics and articles available on the website, and regular updates via social networks (i.e., X, LinkedIn) to produce and disseminate materials easily accessible to the general public.
B	Targeted outreach phase	BIOMATDB partners will disseminate early results to inform stakeholders about the upcoming opportunities, actions, results and benefits of the technologies as well as to promote the long-term vision of the BIOMATDB project. The planned activities in this target outreach phase comprise: ▪ Uploading and promoting the latest results and project news through the project's website to keep interested stakeholders up-to-date. ▪ Sharing news and project updates through social media in order to demonstrate the frequent activities and the progress of the project. ▪ Publishing and disseminating press releases after having reached important milestones. ▪ Submitting scientific papers, which will thoroughly present the findings and the outputs of the project. ▪ Attending and hosting workshops, events, exhibitions, conferences in order to establish the BIOMATDB project among the stakeholders.
C	Strategic impact phase	In this phase, the aim is to maximise target audience awareness on more advanced results and also receive feedback from participants. To maximise the BIOMATDB project's impact the following activities are planned:

	- Updating the project website, including optimisations for search engines, in order to ensure a long-term awareness of the project and its solutions. - Demonstrating BIOMATDB technologies at relevant venues. - Organising outreach activities in order to interact with future users and communicate the findings of the project. - Promotion by using communication channels (e.g., X, LinkedIn, events). - Summarising the concept and benefits of the BIOMATDB solutions by providing comprehensive information to relevant stakeholders.
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2.4 Dissemination & communication plan – Update

The dissemination and communication plan is structured according to the communication and dissemination strategy and includes a list of all planned dissemination activities.

Table 7. Dissemination and communication – detailed plan

	PHASE A	Date (Start): 01.01.2024 Date (End): 31.03.2023 INITIAL AWARENESS PHASE: Project identity, website, news articles
DONE	Period	Date (Start): 01.06.2022 Date (End): 31.08.2022
	Action	Setup of the communication channels
	Description	Set up the PWS and social media channels (X, LinkedIn, YouTube); Submission of D6.1
	Partners	M&S
DONE	Period	Date (Start): 01.06.2022 Date (End): 31.08.2022
	Action	Setup of monitoring and controlling tools
	Description	Developing and set up monitoring tools to continuously track all dissemination efforts (participation in events, publications, media activities, articles, social media posts, etc.)
	Partners	M&S
DONE	Period	Date (Start): 01.06.2022 Date (End): 31.10.2022
	Action	Plan for communication and dissemination
	Description	Develop a comprehensive plan outlining communication and dissemination strategies and activities; Submission of the DEC Plan (D6.2)
	Partners	M&S + all partners
DONE	Period	Date (Start): 01.06.2022 Date (End): 30.09.2024
	Action	Dissemination of the knowledge compilation and structural material collection
	Description	Making D2.1 Knowledge compilation and structural material collection publicly accessible via CORDIS and the PWS.
	Partners	M&S + all partners
DONE	Period	Date (Start): 01.06.2022 Date (End): 30.09.2024
	Action	Stakeholder mapping and collection of stakeholder contacts
	Description	Detailed mapping and collection of important stakeholders of the project
	Partners	UPC, M&S + all partners

DONE	Period	Date (Start): 01.03.2023 Date (End): 31.10.2022
	Action	Creation of Package 1 of dissemination materials
	Description	Creation of materials to raise awareness about the BIOMATDB project including the project identity, leaflets, roll-ups, stickers, business cards, banners, etc.
	Partners	M&S + all partners
DONE	Period	Date (Start): 01.10.2022 Date (End): 31.10.2022
	Action	Individual Dissemination Plans
	Description	Collection of individual dissemination plans of the BIOMATDB partners in order to ensure their commitment towards the dissemination activities
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 01.06.2022 Date (End): 28.02.2025
	Action	Collection of projects
	Description	Collection of relevant projects for clustering and collaborations
	Partners	UPC, TAU, M&S + all partners
IN PROGRESS	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Run continuous awareness raising activities
	Description	Raise awareness about the project and the challenges it addresses among stakeholders and the general public (news articles, social media posts, print & digital materials)
	Partners	UPC, M&S + all partners
	PHASE B	Date (Start): 31.03.2023 Date (End): 31.01.2024 TARGETED OUTREACH PHASE
DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Horizon Results Booster – Module A
	Description	Completion of Module A of the Horizon Results Booster; Creation of a portfolio of Research and Innovation Results
	Partners	M&S, TAU
IN PROGRESS	Period	Date (Start): 04.10.2022 Date (End): 28.02.2025
	Action	Run clustering and networking activities
	Description	Get in contact with other CL4 projects, projects developing biomaterials, or with contacts in the biomaterial industry to identify opportunities for collaboration and synergies; Activities will be reported in D6.5.
	Partners	TAU, M&S, SYNYO + all partners
IN PROGRESS	Period	Date (Start): 27.10.2022 Date (End): 28.02.2025
	Action	Knowledge Articles
	Description	Disseminate first project results via knowledge articles on the project website as well as social media and the project's newsletter
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 01.10.2022 Date (End): 28.02.2025
	Action	Write and publish scientific publications
	Description	Submit scientific papers that present the findings and the outputs of the project.
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 14.07.2022 Date (End): 28.02.2025
	Action	Participation in events
	Description	Attend and host workshops, events, exhibitions, conferences in order to establish the BIOMATDB project among stakeholders.

	Partners	M&S + all partners
DONE	Period	Date (Start): 01.09.2022 Date (End): 30.11.2023
	Action	Disseminate the first BIOMATDB survey
	Description	Disseminate the first BIOMATDB survey on user experiences and expectations and encourage participation
	Partners	M&S + all partners
DONE	Period	Date (Start): 16.02.2024 Date (End): 31.05.2024
	Action	Disseminate the second BIOMATDB survey
	Description	Disseminate the second BIOMATDB survey on user experiences and expectations and encourage participation
	Partners	M&S + all partners
	PHASE C	Date (Start): 31.01.2024 Date (End): 28.02.2025 +4 years after the project end STRATEGIC IMPACT PHASE
IN PROGRESS	Period	Date (Start): 01.07.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Promotion of the BIOMATERIAL MARKETPLACE
	Description	Developing brochures, online promotion, print and digital materials targeting potential users and providing information on its benefits.
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 01.07.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Promotion of the BIOMATERIAL DATABASE
	Description	Developing brochures, online promotion, print and digital materials targeting potential users and providing information on its benefits.
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 01.10.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Demonstrating the BIOMATERIAL MARKETPLACE and the BIOMATERIAL DATABASE
	Description	Demonstrating the BIOMATERIAL MARKETPLACE and the BIOMATERIAL DATABASE in workshops and webinars
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 01.07.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Training materials & screencast videos
	Description	Create training materials and screencast videos to train user on how to use the BIOMATERIAL DATABASE and the BIOMATERIAL MARKETPLACE
	Partners	M&S + all partners

2.5 Dissemination & communication activities – Progress

In the first iteration of the BIOMATDB DEC plan, the consortium committed in “Individual Dissemination Plans” to the writing of scientific publications, the dissemination at events, stakeholder engagement and networking as well as to the dissemination of project results via the projects’ own communication channels and through their organisations’ communication channels. The effectiveness of these coordinated efforts is evident through the tables presented in the next sections.

2.5.1 Participation in events

The BIOMATDB partners participated in 67 events and presented the BIOMATDB project 32 times:

Table 8. List of attended events

BIOMATDB Partner	Date	Event name	Location	Type of activity	Main audience
Project Period 1 Date (Start): 01.06.2022 Date (End): 31.10.2022 Previously included in D6.2					
CLUSTER	14.07.2022	Internal “Materials innovation” working group	Online	Presentation of the BIOMATDB project and call for support with the collection exercise	Local researchers
SYNYO	27.08.2022	3 rd Europe-China Health IT Summit	Prague (Czech Republic)	Presentation of the BIOMATDB project	Industry
CLUSTER	20.-23.09.2022	International Conference Bioceramics32	Venice (Italy)	Presentation of the BIOMATDB project	Academia, researchers
SYNYO	20.28.09.2022	MedFIT 2022	Grenoble (France)	Presentation of the BIOMATDB project, brokerage event	Industry
ZUT	22.-23.09.2022	1 st Baltic Symposium on Polymer and (Bio)Materials Science in the Nanotechnology Center for Research and Education	Szczecin (Poland)	Presentation of the BIOMATDB project, networking activities	Academia, several industrial representatives
M&S	04. - 05.10.2022	4 th Digital Health Society Summit (DHSS)	Online	Presentation of the BIOMATDB project through a virtual booth, networking activities	Stakeholders in the field of (digital) health
CLUSTER	04. - 05.10.2022	B.T. Expo Shomed (Biomedical Technologies Expo)	Modena (Italy)	CLUSTER brought BIOMATDB materials to its booth to present the project to attendees	National industry
FUENTESLOPEZ (Subcontractor)	05. - 08.10.2022	TERMIS-AP 2022	Jeju (South Korea)	Mention of BIOMATDB during a presentation of the DEBBIE project	Researchers
SYNYO	17.-19.10.2022	Meet in Italy for Life Sciences – Brokerage Event 2022 – MIT4LS BE 2022	Online	Presentation of the BIOMATDB project, networking activities	Industry

Project Period 1 Date (Start): 31.10.2022 Date (End): 30.11.2023					
SYNYO	03.- 17.11.2022	VIRTUAL BROKERAGE EVENT @ INNOVATION VILLAGE 2022	Online	Presenting and make a pitch on BIOMATDB to attract potential users of the biomaterial database and biomaterial marketplace	Industry
CLUSTER	07.11.2022	Internal 'Materials innovation' working group	Online (IT)	Dissemination about the recently launched surveys and reminder about the BIOMATDB newsletter	Researchers
FUENTESLOPEZ (Subcontractor)	07.- 11.11.2022	CONCYTEP Young Researchers Symposium 2022	Online (MX)	Presenting on DEBBIE and introducing on BIOMATDB	Researchers
SYNYO	07.- 11.11.2022	ASGH Deal Flow Matchmaking Session 2022	Hong Kong (HK)	Presentation	Other
UPC	10.11.2022	HealthTech2030	Barcelona (ES)	Other	Researchers
TAU	25.- 26.11.2022	MET Research Days 2022	Tampere (FI)	Presenting BIOMATDB, promoting surveys	Researchers
CEC/CCIC	02.02.2023	BIONTEQ	Coimbra (PT)	Presentation of BIOMATDB	Industry
MISSIRLIS (Subcontractor)	15.- 18.02.2023	ESAO Winter School 2023	Lutherstadt Wittenberg (DE)	Presentation	Researchers
CLUSTER	16.03.2023	Developments and Sustainability in Healthcare applications	Mirandola (IT)	Presentation of BIOMATDB	Industry
SYNYO	16.- 17.03.2023	Horizon Europe Cluster 1: Health Brokerage Event/Turkey	Online (TR)	Presentation	Investors
MISSIRLIS (Subcontractor)	02.- 05.04.2023	IG17121 COST Action	Porto (PT)	Presentation	Researchers
ZUT	12.- 14.04.2023	Bio-based polymers at the	Bertinoro (IT)	Poster presentation of BIOMATDB	Researchers

		forefront of innovation in materials science			
CEC/CCIC	19.- 20.04.2023	Expobiotec 2023 - VI Fair of Biotechnology and Bioengineering	Braga (PT)	Presentation of BIOMATDB	Academia
M&S	16.- 17.05.2023	BIONNALE	Berlin (DE)	Other	Researchers
SYNYO	02.06.2023	Cluster Health - Horizon Europe Brokerage Event 2024	Online	Other	
CLUSTER	05.- 08.06.2023	BIO International Convention (BIO USA)	Boston (US)	Stand at the fair, Pitches to visitors on BIOMATDB to attract potential users of the biomaterial database and biomaterial marketplace	Industry
BSC	07.- 08.06.2023	EMBL-EBI	Cambridge (UK)		Industry
CLUSTER	08.- 09.06.2023	Research 2 Business (R2B) 2023	Bologna (IT)	Stand at the fair, Pitches to visitors on BIOMATDB to attract potential users of the biomaterial database and biomaterial marketplace	Researchers
HAKIMI (Subcontractor)	12.- 14.06.2023	BIOMATERIALS From Basic Science of Nature's Material Design to the Biotech Industry	Rehovot (IL)	Poster is displayed, no verbal presentation	Researchers
M&S	13.- 17.06.2023	OntoCommons Workshop	Oslo (NO)	Presentation	Industry
SYNYO	13.- 17.06.2023	OntoCommons Workshop	Oslo (NO)	Presentation	Industry
BSC	22.- 24.06.2023	CBMS 2023	L'Aquila (IT)		Researchers

MISSIRLIS (Subcontractor)	01.- 08.07.2023	Nanotextology 2023	Thessaloniki (GR)	Presentation & organization	academia, researchers, investors
CEC/CCIC	02.07.2023	CLUSTER Health - Horizon Europe Brokerage Event 2024	Online	Designed to help partners to further improve and develop their innovative idea/technology / product / service	
BSC	23.- 27.07.2023	ISMB 2023	Lyon (FR)		Researchers
TAU	04.- 08.09.2023	ESB 2023, 33rd Annual Conference of the European Society for Biomaterials	Davos (CH)	Other	Researchers
BSC	11.- 12.09.2023	MAQC23	Helsinki (FI)	Presentation	Researchers
BSC	18.- 21.09.2023	CLEF 2023	Thessaloniki (GR)	MedProcNER Shared Task	Researchers
CEC/CCIC	28.- 29.09.2023	Coimbra Invest Summit 2023	Coimbra (PT)	Stand at the fair	Industry
CLUSTER	03.- 04.10.2023	BT Expo	Modena (IT)	Presentation	Industry
CLUSTER	11.- 12.10.2023	BIO Japan	Yokohama (JP)	Stand at the fair	Industry
SYNYO	16.- 30.10.2023	VIRTUAL BROKERAGE EVENT @ INNOVATION VILLAGE 2023	Online	Other	
CLUSTER	18.- 19.10.2023	Vanguard Initiative Smart Health Pilot event	Bologna (IT)	Presentation of the project	Other
MISSIRLIS (Subcontractor)	20.- 22.10.2023	BIOMED Congress	Izmir (TR)	Presentation	Academia
TAU	26.- 27.10.2023	Turku Biomaterials Days 2023	Finland	BIOMATDB materials at stand	Researchers
UPC	02.- 03.11.2023	XLV Congreso de la Sociedad Ibérica de	Barcelona (ES)	Presentation	Researchers

		Biomecánica y Biomateriales			
CLUSTER	06.- 08.11.2023	BIO Europe	Munich (DE)	BIOMATDB materials (flyers) at booth and pitches to visitors	Industry
CLUSTER	13.- 16.11.2023	Medica	Dusseldorf (DE)	Other	Industry
Project Period 1 Date (Start): 30.11.2023 Date (End): 31.10.2024					
TAU	30.11.- 01.12.2023	MET Research Day 2023	Tampere (FI)	Other	Researchers
BSC	15.- 19.01.2024	BLAH8	Kashiwa (JP)		Researchers
CLUSTER	17.- 19.04.2024	Exposanità	Bologna (IT)	Stand at the fair and workshop	Other
TAU	23.- 26.04.2024	ScSB 2024 Meeting	Helsingør (DK)	Other	Researchers
CLUSTER	03.- 06.06.2024	BIO International Convention (BIO USA)	San Diego (US)	Stand at the fair, Pitches to visitors on BIOMATDB to attract potential users of the biomaterial database and biomaterial marketplace	Industry
MISSIRLIS (Subcontractor)	25.- 30.08.2024	16th Biometals Symposium	Krakow (PL)	Presentation	Researchers
CEC/CCIC	09.- 11.10.2024	Coimbra Invest Summit 2024	Coimbra (PT)	Stand at the fair	Industry
CLUSTER	01.10.2024	MDG – Health Matters	Bologna (IT)	Discussion, Presentation of the BIOMATDB tools during a technical discussion on how AI tools can support the evaluation of risk/biocompatibility of biomaterials	Other
CLUSTER	04.- 05.05.2024	Retreat della Ricerca	Rimini (IT)	Presentation of BIOMATDB and of the survey in the biomaterials session; flyers and rollup at the Clust-ER corner	Researchers

FUENTESLOPEZ (Subcontractor)	05.09.2024	Biomedical Engineering Symposium	Mexico City (Mexico)	Plenary speaker - presentation included mentions about BIOMATDB & DEBBIE projects	Other
CEC/CCIC	07.05.2024	International Conference Building Sustainable and Participatory Environments	Coimbra (PT)	BIOMATDB project and Biomaterial Marketplace presentation	Researchers
CLUSTER	09.-11.10.2024	Bio Japan	Yokohama (JP)	BIOMATDB materials (flyers) at booth and pitches to visitors	Industry
CLUSTER	11.10.2024	Milano Digital Week	Milan (IT)	Speaker to present the digital BIOMATDB tools (theme is AI and gender)	Other
CLUSTER	17.05.2024	Course for the Master MABIOMED	Bologna (IT) & online	Presentation of BIOMATDB and tools to students of the MABIOMED Master as part of their course on "open innovation & entrepreneurship"	Academia
NUIG	23.-27.09.2024	16th Bratislava Symposium on Saccharides (16BSS).	Bratislava (SVK)	Acknowledgments to BIOMATDB	Researchers
UPC	26.-31.05.2024	12th World Biomaterials Congress	Daegu (South Korea)	Presentation	Researchers/ Industry
CLUSTER	26.-27.06.2024	Research to Business	Bologna (IT)	Stand at the fair and presentation	Other
MISSIRLIS (Subcontractor)	26.-29.09.2024	16th National and 2st International Congress of Histology and Embryology	Sakarya (TR)	Presentation	Researchers
BSC	27.-31.06.2024	World Biomaterials Congress 2024	Daegu (South Korea)	Presentation	Researchers
ZUT	21-22.10.2024	Bio-based and biodegradable polymers for	Szczecin (PL)	Organisation	Researchers

		medical packaging and disposables to improve hospitals sustainability			
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In the next project months, the consortium is planning on attending the following events:

Table 9. List of future events to be attended

BIOMATDB Partner	Date	Event name	Location	Type of activity	Main audience
MISSIRLIS (Subcontractor)	09.-10.11.2024	11th Biomaterials Days	Izmir (TR)	Presentation, Networking	Researchers
TAU	28.-29.11.2024	MET Research Day 2024	Tampere (FI)	Dissemination	Researchers
TAU	04.12.2024	Central Exellance Annual Seminar 2024	Tampere (FI)	Presentation	Researchers

2.5.2 Publications

The BIOMATDB consortium already published six journal articles and is planning four further publications:

Table 10. Published publications

Title	Author(s)	Publisher	DOI
Long-Term In Vivo Response of a Polyurethane Gastric Implant for Treating Gastro-Oesophageal Reflux Diseases: A Comparison of Different Surface Treatments	Haugen H. J. , Schneider A., Schlicht H., Wu H., Doundoulakis E., Wilhelm D., Eblenkamp M., Wintermantel E. & Feussner H.	SpringerLink	https://doi.org/10.1007/s44174-022-00055-8
Multi-omics analysis of paracetamol exposure identifies dysregulated genes involved in neurotoxicity and neuronal differentiation of human embryonic stem cells	Spildrejorde M., Samara A. , Sharma A., Leithaug M., Falck M., Modafferi S., Sundaram A. Y. M., Acharya G., Nordeng H., Eskeland R., Gervin K., Lyle R.	Cold Spring Harbor Laboratory	https://doi.org/10.1016/j.isci.2023.107755
Using Copper-Doped Mesoporous Bioactive Glass Nanospheres to Impart Anti-Bacterial Properties to Dental Composites	Munir, A., Marovic, D., Nogueira, L. P., Simm, R., Naemi, A.-O., Landrø, S. M., Helgerud, M., Zheng, K., Par, M., Tauböck, T. T., Attin, T., Tarle, Z., Boccaccini, A. R., & Haugen, H. J.	MDPI Open Access Journals	https://doi.org/10.3390/pharmaceutics14102241

A Comparative Investigation of Chemical Decontamination Methods for In-Situ Cleaning of Dental Implant Surfaces	Hussain B., Khan S., Eriksson Agger A., Ellingsen J. E., Lyngstadaas S. P., Bueno J., Haugen H.J.	MDPI Open Access Journals	https://doi.org/10.3390/jfb14080394
Redefining biomaterial biocompatibility: challenges for artificial intelligence and text mining	Miguel Mateu* , Carla V. Fuenteslópez* , Juan Uribe-Gomez , Håvard Jostein Haugen , Abhay Pandit , Maria Pau Ginebra Mollins , Osnat Hakimi , Martin Krallinger , Athina Samara	CellPress	https://doi.org/10.1016/j.tibtech.2023.09.015
Biofouling on titanium implants: a novel formulation of poloxamer and peroxide for in situ removal of pellicle and multi-species oral biofilm	Badra Hussain, Roger Simm, Jaime Bueno, Savvas Giannettou, Ali-Oddin Naemi, Ståle Petter Lyngstadaas, Håvard Jostein Haugen	Oxford Academic	https://doi.org/10.1093/rb/rbae014

Table 11. Planned publications

Partner	Type	Title	Author(s)	Status
Various	Article in Journal	[Title TBC] Data Curation - Technical Aspect	Contributors [TBC]: Martin, Miguel (BSC), Carla, Miguel (UPC), Athina, Agnieszka, Clemence, Jan, Juan, Judith, Minna	IN PROGRESS
TAU	Thesis / Dissertation	Medical Device Regulations: Comparative Study Between the EU and Asia	Pöntinen, N.	IN PROGRESS
Various	Article in Journal	[Title TBC] The BIOMATDB Corpus Paradigm Shift: Human Expertise Enabling AI	Contributors [TBC]	PLANNED
Various	Article in Journal	[Title TBC] Biomaterials Databases & Resources	Contributors [TBC]	PLANNED

2.5.3 Media activities

All consortium members disseminated the BIOMATDB project, its activities and results via a variety of project-external media channels:

Table 12. List of all media activities

Partner	Type	Date	Title / Name / Short Description	Link	Main Audience
CLUSTER	Website post	14.02.2022	BIOMATDB: Clust-ER Health among the partners of the new European project	Link	General Public

M&S	Flyer / Brochure / Poster	01.06.2022	Initial BIOMATDB Project leaflet	Link	General Public
BSC	Website post	01.06.2022	Description of the BIOMATDB Project	Link	General Public
UPC	Website post	03.06.2022	EU funding to create an "Advanced Database and Marketplace for Biomaterials"	Link	General Public
UPC	Twitter	07.06.2022	Kick-off Meeting	Link	General Public
ECHA	Website post	14.06.2022	The ECHAlliance is a partner of the newly started Horizon Europe BIOMATDB project	Link	General Public
ECHA	Website post	15.06.2022	New month, new projects: what is ECHAlliance working on?	Link	General Public
ECHA	Twitter	16.06.2022	New month, new projects: what is ECHAlliance working on?	Link	General Public
ECHA	LinkedIn	16.06.2022	New month, new projects: what is ECHAlliance working on?	Link	General Public
UIO	Website post	22.06.2022	Kick-off meeting for new H2020 grant	Link	General Public
M&S	Website post	27.06.2022	BIOMATDB Project reference on M&S website	Link	General Public
SYNYO	Website post	30.06.2022	BIOMATDB Project reference on SYNYO website	Link	General Public
ECHA	Newsletter	18.07.2022	Join ECHAlliance in creating a global marketplace for biomaterials!	Link	General Public
ECHA	Twitter	26.07.2022	Join ECHAlliance in creating a global marketplace for biomaterials!	Link	General Public
CLUSTER	Website post	08.08.2022	Project page on organisational website (Italian only)	Link	General Public
FHUNJ	Twitter	16.08.2022	Retweet of Spanish tweet about biomaterials for cancer	Link	General Public
FHUNJ	Twitter	23.08.2022	General presentation of project	Link	General Public
CLUSTER	Website post	02.09.2022	BIOMATDB: Stay informed about the project	Link	General Public
CLUSTER	Twitter	03.09.2022	Promotion of the BIOMATDB newsletter	Link	General Public
CLUSTER	LinkedIn	03.09.2022	Promotion of the BIOMATDB newsletter	Link	General Public
CLUSTER	Twitter	14.09.2022	2-day Vienna meeting	Link	General Public
CLUSTER	LinkedIn	14.09.2022	2-day Vienna meeting	Link	General Public
TAU	Twitter	14.09.2022	BIOMATDB Workshop Meeting	Link	General Public
UIO	Twitter	15.09.2022	Consortium meeting in Vienna	Link	General Public
UIO	LinkedIn	15.09.2022	Consortium meeting in Vienna	Link	General Public
FUENTESLOPEZ	Twitter	15.09.2022	Consortium meeting in Vienna	Link	General Public
UPC	Twitter	16.09.2022	First in person meeting of the BIOMATDB Project	Link	General Public
FHUNJ	Twitter	20.09.2022	Consortium meeting in Vienna	Link	General Public
CLUSTER	LinkedIn	23.09.2022	Presentation of BIOMATDB at Bioceramics32	Link	General Public

ZUT	LinkedIn	26.09.2022	Presentation of BIOMATDB at the 1st Baltic Symposium on Polymer and (Bio)Materials Science	Link	General Public
FHUNJ	Twitter	04.10.2022	Promotion of the BIOMATDB Booth at the DHSSummit22	Link	General Public
SYNYO	Website post	13.10.2022	BIOMATDB: Project to boost the biomaterials and medical device market kicked off successfully	Link	General Public
M&S	Website post	17.10.2022	BIOMATDB: Collaborative project develops a database and informational marketplace for biomaterials	Link	General Public
CLUSTER	Website post	04.11.2022	BIOMATDB: Take part in the survey	Link	Other
CLUSTER	Newsletter	07.11.2022	BIOMATDB: Take part in the survey	Link	Other
CLUSTER	LinkedIn	08.11.2022	BIOMATDB survey promotion in Italian	Link	Other
CLUSTER	Website post	09.11.2022	Lombardia Life Sciences cluster posted about our survey: BIOMATDB: partecipa alla survey	Link	Other
CLUSTER	Website post	09.11.2022	Piemonte Life Sciences cluster posted about our survey: RISPONDI AL QUESTIONARIO BIOMATDB	Link	Other
UPC	Twitter	10.11.2022	BIOMATDB survey promotion in Barcelona	Link	General Public
FUENTESLOPEZ	Twitter	12.11.2022	Biomaterials Text Mining	Link	General Public
FUENTESLOPEZ	Twitter	12.11.2022	Recruit BIOMATDB survey participants	Link	General Public
FUENTESLOPEZ	Twitter	12.11.2022	DEBBIE and BIOMATDB talk at CONCYTEP	Link	General Public
FUENTESLOPEZ	Twitter	12.11.2022	BIOMATDB: Take part in the survey	Link	General Public
TAU	Website post	16.11.2022	BIOMATDB - Advanced Database and Marketplace for Biomaterials	Link	General Public
CLUSTER	Website post	17.11.2022	Project page on organisational website (now in English)	Link	General Public
CLUSTER	Newsletter	24.11.2022	Council of European BioRegions disseminated the survey: Take part in BIOMATDB survey!	Link	Other
CLUSTER	LinkedIn	24.11.2022	Reminder survey BIOMATDB	Link	Other
CLUSTER	Twitter	25.11.2022	Reminder survey BIOMATDB	Link	Other
ZUT	Twitter	06.12.2022	Re-tweet with comment the Events page announcement	Link	Other
CEC/CCIC	Twitter	27.01.2023	BIOMATDB Presence at BIONTEQ	Link	Other
CEC/CCIC	LinkedIn	27.01.2023	BIOMATDB Presence at BIONTEQ	Link	Other
CLUSTER	LinkedIn	17.03.2023	Healthcare sustainability	Link	General Public
UPC	Twitter	22.03.2023	Project funding	Link	General Public
CLUSTER	Website post	02.08.2023	BIOMATDB: one year on	Link	General Public
CLUSTER	LinkedIn	25.08.2023	BIOMATDB at Bio USA	Link	General Public
FUENTESLOPEZ	Twitter	27.09.2023	"Biomaterials Text Mining" post	Link	General Public
CLUSTER	LinkedIn	29.09.2023	BIOMATDB presentation at webinar at BT Expo in Modena	Link	General Public

FUENTESLOPEZ	LinkedIn	10.10.2023	"Biomaterials Text Mining" post	Link	General Public
FUENTESLOPEZ	Twitter	18.10.2023	"Redefining biomaterial biocompatibility: challenges for AI and text mining" post	Link	General Public
FUENTESLOPEZ	LinkedIn	18.10.2023	"Redefining biomaterial biocompatibility: challenges for AI and text mining" post	Link	General Public
CLUSTER	LinkedIn	23.10.2023	BSC visit during BIOMATDB consortium meeting	Link	General Public
CLUSTER	Website post	03.11.2023	BIOMATDB meeting in Barcelona	Link	General Public
CLUSTER	Website post	03.11.2023	BIOMATDB meeting in Barcelona (Italian version)	Link	General Public
CLUSTER	LinkedIn	29.12.2023	Promotion of the podcast "Materials for health" that features the BIOMATDB project	Link	General Public
CLUSTER	Website post	23.02.2024	Biomaterials: take part in our new survey!	Link	
CLUSTER	Website post	23.02.2024	Biomaterials: take part in our new survey! (Italian version)	Link	
CLUSTER	Newsletter	04.03.2024	Biomateriali: partecipa al nostro nuovo sondaggio!	Link	Other
CLUSTER	Website post	12.03.2024	Lombardia Life Sciences cluster posted about our 2nd surveys: BIOMATDB: partecipa alla survey	Link	Other
CLUSTER	LinkedIn	08.04.2024	Promotion of the biomaterials workshop at Exposanita'	Link	Other
TAU	Instagram	09.04.2024	BIOMATDB: Take part in the survey	Link	
TAU	LinkedIn	09.04.2024	BIOMATDB: Take part in the survey	Link	Other
CLUSTER	Newsletter	10.04.2024	Council of European BioRegions disseminated the 2nd surveys: Take part in BIOMATDB survey!	Link	Other
CLUSTER	LinkedIn	22.04.2024	Feedback after the biomaterials workshop at Exposanita'	Link	Other
CLUSTER	LinkedIn	05.05.2024	Presentation of BIOMATDB at the Retreat della Ricerca (Biomaterials session)	Link	Researchers
CLUSTER	LinkedIn	28.06.2024	Presentation of BIOMATDB at R2B (workshop on gender equality)	Link	Other
CLUSTER	Website post	02.07.2024	BIOMATDB brings gender equality at the heart of R2B 2024	Link	General Public
FUENTESLOPEZ	LinkedIn	09.09.2024	Biomedical Engineering Symposium	Link	General Public
FUENTESLOPEZ	Twitter	10.09.2024	Biomedical Engineering Symposium	Link	General Public
CLUSTER	LinkedIn	20.09.2024	Final consortium meeting in Vienna	Link	Other
CLUSTER	LinkedIn	01.10.2024	Presentation of BIOMATDB at the workshop of the MDG Health Matetrs event	Link	Other
CLUSTER	Website post	02.10.2024	Final consortium meeting of the BIOMATDB project	Link	
CLUSTER	Website post	02.10.2024	Final consortium meeting of the BIOMATDB project (Italian version)	Link	
CLUSTER	LinkedIn	11.10.2024	Presentation of BIOMATDB at a sesssion at MiCuroDigitale event in Milan	Link	Other

2.5.4 Networking & Clustering

As part of the TARGETED OUTREACH PHASE, the BIOMATDB project reached out to stakeholders and other projects to explore opportunities for collaboration and synergies. Table 13 provides a comprehensive list of all the contacts that the BIOMATDB project has engaged with. In Table 14 additional contacts are listed that the project plans to reach out to.

Table 13. Overview of networking contacts

Date	Organisation/Project	Type	URL
04.10.2022	Specipig	Researchers/Testbed	www.specipig.com
04.10.2022	Utwente	Reasercher/Enabler	www.utwente.nl
17.10.2022	Bioside	Supplier	www.bioside.it
17.10.2022	Unimore	Reasercher/Enabler	www.unimore.it
17.10.2022	Prineos	Reasercher/Enabler	www.prineos.com
17.10.2022	Henesis	Supplier	www.henesis.eu
18.10.2022	Tkminnovation	Reasercher/Enabler	www.tkminnovation.io
18.10.2022	Tkminnovation	Reasercher/Enabler	www.tkminnovation.io
19.10.2022	Senetics	Supplier	www.senetics.de
19.10.2022	Biotecnomed	Enabler (Cluster)	www.biotecnomed.it
19.10.2022	Biotecnomed	Enabler (Cluster)	www.biotecnomed.it
07.12.2022	Institut für Mehrphasenprozesse / Leibniz Universität Hannover	Reasercher/Enabler	https://www.imp.uni-hannover.de/de/
07.12.2022	Institut für Mehrphasenprozesse / Leibniz Universität Hannover	Reasercher/Enabler	https://www.imp.uni-hannover.de/de/
03.02.2023	OntoCommons	Project	www.ontocommons.eu
07.02.2023	BCN AIM	Institution, Faculty of Mathematics and Informatics	https://www.bcn-aim.org/
07.03.2023	DataTools4Heart+	Project	https://www.bcn-aim.org/datatools4heart/
09.02.2023	DOME 4.0	Project	https://dome40.eu/
10.02.2023	MarketPlace	Project	https://www.the-marketplace-project.eu/
11.02.2023	EEMC European Materials Modelling Council	non-profit Association	https://emmc.eu/

06.03.2023	Horizon Results Booster/Trust-IT	EC Service	https://www.horizonresultsbooster.eu/
06.03.2023	SAFE-N-MEDTECH	Project/OITB	https://safenmt.com/
08.03.2023	MDOT	Project/OITB	https://mdot.eu/
09.03.2023	TBMED	Project/OITB	https://tbmed.eu/

Table 14. Overview of potential further networking contacts

Organisation/Project	Type	URL
DOMÉ 4.0	Project	https://dome40.eu/
MarketPlace	Project	https://www.the-marketplace-project.eu/
EEMC European Materials Modelling Council	non-profit Association	https://emmc.eu/

2.5.5 Social media communication

Within the INITIAL AWARENESS PHASE, the project committed to continuous awareness raising activities. As part of these activities a structured approach was followed to ensure regular posts (twice a week) on the BIOMATDB X and LinkedIn channels. In total the consortium partners provided 405 social media post, thus ensuring continuous engagement with stakeholders and the general public. By utilising this approach, the BIOMATDB project successfully expanded its follower base to **370 followers on X** and **603 followers on LinkedIn**, resulting in a total of **973 followers**. The growth trajectories for both social media channels over the project's duration (M months) are illustrated in Figure 1 and Figure 2.

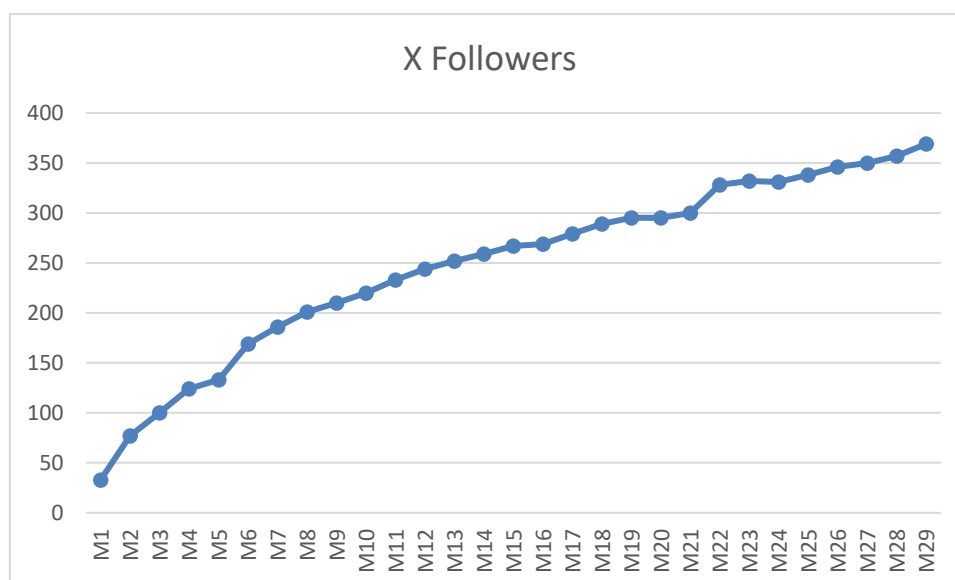


Figure 1. Growth of X Followers

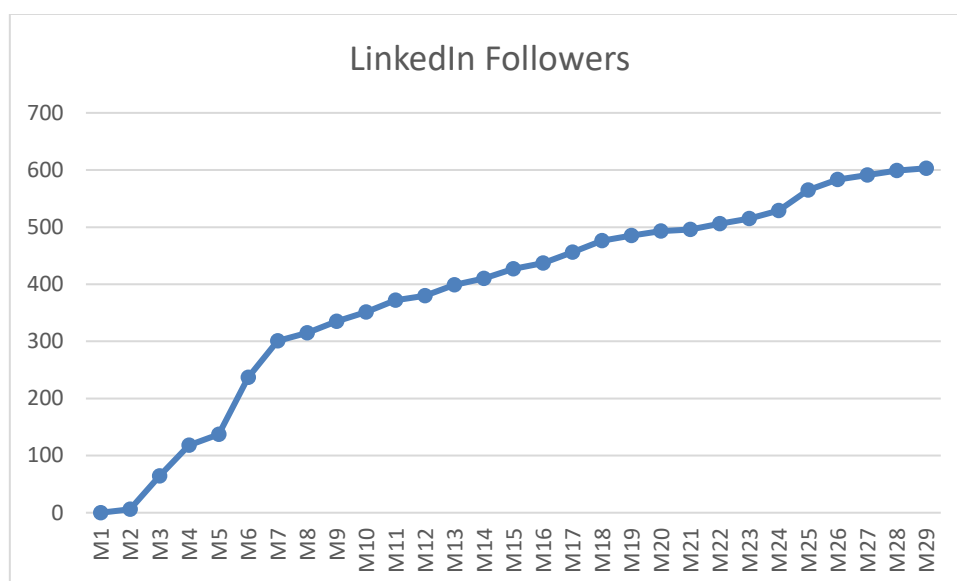


Figure 2. Growth of LinkedIn Followers

2.5.6 News and Knowledge articles

As can be seen from the Dissemination and Communication Plan, the publication of so-called news and knowledge articles on the BIOMATDB project website was and is planned as part of the INITIAL AWARENESS PHASE and the TARGETED OUTREACH PHASE. News articles primarily serve to raise general awareness about the project and the challenges it addresses. In contrast, knowledge articles are more focused on disseminating initial project results. So far, the consortium has published 42 news articles and 21 knowledge articles. A list of these articles can be found in Table 15.

Table 15. Overview of posted news and knowledge articles

Partner	Date	Type	Title	URL
UIO	16.01.2022	News	EU transitioning from the old Medical Device Directive to the Medical Device Regulation	Link
M&S	18.07.2022	News	BIOMATDB Kick-off Meeting – June 7th and 8th, 2022	Link
SYNYO	22.08.2022	News	The biomaterial Vestakeep Peek and its potential for joint prosthesis systems	Link
M&S	06.10.2022	News	1st BIOMATDB Workshop - September 14th and 15th, 2022	Link
SYNYO	27.10.2022	Knowledge	Approval of medical implants according to the European Medical Device Regulation (MDR)	Link
M&S	03.11.2022	News	We want to hear from you!	Link
TAU	16.11.2022	News	Medical biomaterials as the basis of medical devices	Link
BSC	23.11.2022	Knowledge	Natural Language Processing accelerates medical and engineering research in biomaterials	Link
UIO	14.12.2022	Knowledge	EUDAMED: A database to strengthen European market surveillance and increase transparency	Link
CLUSTER	16.12.2022	News	Artificial blood or the opportunities of regenerative medicine	Link
SYNYO	20.12.2022	News	Titanium or ceramic implant - which material is more suitable as a tooth replacement?	Link

UPC	09.01.2023	Knowledge	Biomaterials data: where to find it and difficulties in its interpretation	Link
UPC	01.02.2023	News	New European project to understand contact-based antibacterial properties of bioceramic surfaces	Link
SYNYO	06.02.2023	News	China's regulation of medical devices	Link
CEC/CCIC	28.02.2023	News	The Current Situation of Biomaterial Companies in Portugal	Link
ZUT	02.03.2023	News	Machine learning for formulation of polymer microparticle-based long-acting injectables	Link
NUIG	20.03.2023	News	Implementation of injectable Elastin-like recombinamer (ELR) hydrogel in treatments for heart attack.	Link
M&S	29.03.2023	Knowledge	How BIOMATDB will ensure maximum impact of the project results	Link
FHUNJ	11.05.2023	News	Application of biomaterials in paediatric patients with complex chronic conditions and palliative care needs	Link
ECHA	11.05.2023	News	The world needs BIOMATDB	Link
UPC	26.05.2023	News	Employing biomaterials to produce in vitro bone tumour models for preclinical research	Link
CLUSTER	07.06.2023	Knowledge	Customer first: BIOMATDB's user-centric approach drives efforts to create innovative digital solutions	Link
CEC/CCIC	12.06.2023	Knowledge	BiotechZone: Past project developed a marketplace for the biotech industry	Link
BSC	19.07.2023	News	Building materials information retrieval systems using text mining methods	Link
BSC	19.07.2023	News	Overview of text mining procedures applied on the materials domain	Link
TAU	19.07.2023	News	Design strategies for polysaccharide hydrogels used in soft tissue engineering	Link
CEC/CCIC	30.07.2023	News	The Growing Biomaterials Industry: Trends, Market Segmentation, and Future Outlook	Link
NUIG	02.08.2023	Knowledge	Biomaterials and medical devices for organ treatments	Link
NUIG	09.08.2023	Knowledge	From Definitions to Regulations of Medical devices and Materials	Link
ZUT	09.08.2023	Knowledge	Challenges in Biomaterials' Clinical Translation: Navigating Innovation and Complexity	Link
TAU	10.08.2023	Knowledge	Medical devices and tissue engineered products can be made of same biomaterial, but are they regulated in the same way?	Link
CLUSTER	11.08.2023	News	Advanced biomaterial platform for alternative animal testing	Link
FHUNJ	16.08.2023	Knowledge	Biomaterials Against Childhood Cancer (I)	Link
NUIG	16.08.2023	News	Revolutionary Glucose-Responsive Delivery System Hydrogel Holds Promise for Diabetic Wound Healing	Link
ECHA	28.08.2023	Knowledge	Unlocking the Potential of Biomaterials through BIOMATDB	Link
FHUNJ	25.09.2023	News	The Niño Jesús Hospital in Madrid incorporates the first new-generation Integral Clean Room in Europe	Link
SYNYO	04.10.2023	Knowledge	The new veterinary medical products law	Link
ZUT	06.10.2023	News	Biomaterials innovations for the future: unveiling the ten most captivating areas for advancements – CAS report 2023	Link
BSC	03.11.2023	News	Materials and related systems ontologies: Organising knowledge with semantic technologies	Link

ECHA	03.11.2023	News	How Biomaterials Support the Achievement of SDG 9	Link
UIO	15.11.2023	News	The impact of the FDA Modernization Act 2.0 on Biomaterials and Medical Devices	Link
TAU	15.11.2023	News	Researcher from Tampere University customizes 3D bioprinting materials for biomedical purposes	Link
BSC	28.11.2023	Knowledge	Application of Text Mining in Materials Science	Link
ZUT	14.12.2023	News	Healthcare Unveiled: A Snapshot of Cutting-Edge Advancements!	Link
CEC/CCIC	05.01.2024	News	Exploring the Dynamic Growth of the 3D Printed Medical Devices Market (2023-2028)	Link
TAU	17.01.2024	Knowledge	From Biomaterials to Bioinks	Link
CLUSTER	01.02.2024	News	Revolutionising genetic therapies: regulatory approvals for CRISPR/Cas9-Based Casgevy	Link
NUIG	26.02.2024	News	Breakthrough: Collagen Scaffold Could Help Regenerate Damaged Heart Tissue	Link
FHUNJ	06.03.2024	News	Elon Musk's Neuralink has tested its very first human brain implant.	Link
SYNYO	22.04.2024	News	Human biomaterials for 3D printing of human tissue	Link
CEC/CCIC	26.04.2024	Knowledge	Evolving Biomaterials: The Role of AI in Revolutionizing Medical Science	Link
M&S	07.05.2024	Knowledge	Last chance to contribute to the BIOMATDB Database and Marketplace Surveys	Link
ECHA	13.05.2024	News	The Evolution of Biomaterials: from Ancient Practices to Modern Innovations	Link
BSC	17.05.2024	News	Unlocking the potential of Large Language Models in Materials Science: A Revolutionary Shift	Link
CLUSTER	14.06.2024	Knowledge	Advancing women's health: bridging the gender gap using the BIOMATDB tools	Link
TAU	01.07.2024	News	Introducing the Scandinavian Society for Biomaterials	Link
ZUT	29.07.2024	Knowledge	Electroactive biomaterials	Link
FHUNJ	04.09.2024	Knowledge	Biomaterials For 3D Printing	Link
CEC/CCIC	04.09.2024	News	Biomaterials in Nanomedicine: Revolutionising Healthcare	Link
ZUT	23.09.2024	News	Polish Society for Biomaterials (PBS): Polish Leader in Biomaterials Innovation	Link
CLUSTER	21.10.2024	News	The Biomaterials Awakens: A New Hope against antimicrobial resistance	Link
UIO	TBD	News	Redefining Biocompatibility as a crucial element of BIOMATDB	
UPC	TBD	News	New proposed definition of biocompatibility to allow automated text data extraction and interpretation	

2.5.7 HRB project group

As reported in Phase B of the Dissemination and Communication Plan, BIOMATDB participated in Module A of the Horizon Result Booster where the project group displayed in [Table 16](#) was established. A “Portfolio of Research and Innovation Results” was created for this project group.

Table 16. HRB Project group

Acronym	Title	Date	Programme
BIOMATDB	Advanced Database for Biomaterials with Data Analysis and Visualisation Tools extended by a Marketplace with Digital Advisors	01.06.2022 – 28.02.2025	HORIZON-CL4
PANBioRA	Personalized And/Or Generalized Integrated Biomaterial Risk Assessment	01.01.2018 – 31.12.2021	H2020-NMBP
NABIHEAL	Antimicrobial nanostructured biomaterials for complex wound healing	01.01.2023 – 31.12.2026	HORIZON-CL4
MDOT	Medical Device Obligations Taskforce	01.01.2029 – 30.06.2024	H2020-NMBP

3 Exploitation plan (update)

This section of the deliverable includes the updated exploitation strategy as well as the updated exploitation plan. Furthermore, the aims and objectives of the exploitation activities were revisited and reinforced and an updated list of exploitable results is included.

3.1 Aims & Objectives

Table 17 shows the target groups as well as the aims and objectives of the BIOMATDB exploitation activities.

Table 17. Exploitation aims and objectives

	Target Groups	Aims & Objectives
Exploitation	Researchers, Medical Devices & Biomaterials Industry, SMEs, authorities, policymakers, associations & networks	Define a clear strategy to ensure the long-term sustainability and impact of the project results Share knowledge and data Benefit the biomaterial industry and researchers. Identify the specific needs that the BIOMATDB project responds to. Assist companies, especially SMEs, in facilitating market access for their products. Facilitate extracting, analysing and re-using of data with advanced data processing technologies. Develop a business model for the maintenance of the BIOMATERIAL DATABASE and BIOMATERIAL MARKETPLACE demonstrating its sustainability beyond the funding period. Assess the results that the BIOMATDB project will generate, and identify the users of these results. Promote the BIOMATERIAL MARKETPLACE and BIOMATERIAL DATABASE and inform end users about them. Provide innovative trainings and manuals for the use of the BIOMATERIAL MARKETPLACE and BIOMATERIAL DATABASE.

3.2 List of exploitable results

During the first project phase, the consortium has carried out a preliminary identification of Exploitable Results (ERs). This list of exploitable results that are expected to have either a commercial, social or a scientific value has been updated in Table 18.

Table 18. Updated list of exploitable results

Result	Description	Type	Target Group	Expected Impact
BIOMATDB Publications	Publications in journals related to research and outcomes of the BIOMATDB project.	Publication	Research	Publications will guarantee the sustainable long-term exploitation of project results within the scientific community.
BIOMATERIAL MARKETPLACE	The BIOMATERIAL MARKETPLACE will be developed as one of the main outcomes of the project.	Marketplace	Demanders Suppliers Enablers Researchers	The BIOMATDB marketplace will connect suppliers and demanders of biomaterials on a user-friendly and informative web platform.
BIOMATERIAL DATABASE	The BIOMATERIAL DATABASE is one of the main outcomes of the project.	Database	Researchers Suppliers Enablers Demanders Investors/Policy makers	The BIOMATDB database will offer useful information about biomaterials that can be used by all kinds of stakeholders and serve as a valuable tool for future research in this area.
BIOMATDB Surveys and requirements analyses	Surveys are carried out to define the needs and requirements of the target groups of the database and marketplace.	Analysis	Researchers Suppliers Enablers Demanders Investors/Policy makers	The surveys and requirements analyses will provide valuable insights into the needs and requirements of stakeholders in the biomaterials area, that can be used for research and development.
BIOMATDB Project Website	The project website contains main information on the Horizon Europe project including access to public deliverables and a collection of news and knowledge articles about the BIOMATDB project.	Website	General public Researchers Suppliers Enablers Demanders Investors/Policy makers	The website will remain online to ensure that people interested in the project can find all relevant background information. In addition, it provides users insight to all public deliverables of the project.
BIOMATDB Knowledge Base (Documents, Projects, Databases, Ontologies, Biomaterial	The BIOMATDB knowledge collection covers a wide range of areas in the field of biomaterials, including	Collection	Research	The BIOMATDB knowledge base serves as a useful tool for researchers as it covers a lot of areas in the field of biomaterials.

marketplaces, Biomaterial ecosystem, etc.)	publications, marketplaces, stakeholders, other projects, databases, and more.			
BIOMATDB Library	A public Zotero library containing sources in the context of biomaterials.	Digital Library	Research	Especially for researchers it is helpful to have access to free available sources. The consortium compiled all important sources in a Zotero database that can be used to quickly find and cite relevant documents.
BIOMATDB Articles	Articles will be published regularly on the project website and include project news as well as information about developments in the field of biomaterials.	Article	General public Research Suppliers Enablers Demanders Policy makers and investors	The articles will keep stakeholders informed about the project and its outcomes and thereby improve the uptake of the developed solutions.
BIOMATDB Collection of definitions of biomaterials and historical overview	The collection of definitions and historical overview covers the key developments in the field.	Collection	Researchers	The collection serves as a tool for the development of the BIOMATDB solutions and can be further exploited by researchers and developers in the area of biomaterials.
SWOT analysis	A SWOT-Analysis of the BIOMATERIAL MARKETPLACE and BIOMATERIAL DATABASE will be carried out.	Analysis	Researchers	The SWOT analysis will increase the commercial impact of the BIOMATERIAL MARKETPLACE and BIOMATERIAL DATABASE.

3.3 Exploitation strategy – Update

The exploitation strategy should steer the optimal use of BIOMATDB results after the project's completion, thus accelerating the potential for their wider use and impact on the economy, society, science, and technology. To align with the lifecycle of the project, activities have been divided into three strategic areas.

Phase	Name	Main objectives
A	Initial assessment activities: technology mapping, landscape analysis and trends	The exploitation strategy will start with defining the exploitable results and getting to know the potential market landscape: - Initial mapping of exploitable results - Competitor/Landscape analysis: getting to know current suppliers, available products, databases and marketplaces - Analysing market trends - Individual exploitation plans
B	Exploitation ramp-up: identifying values, strengths, competencies, and potential issues	As the project progresses, the results and the general direction will become clearer. The main aim is to ensure a strong positioning of the BIOMATDB solutions, while being aligned with the needs of the target exploitation groups. The activities in Phase B include: - Identification of key outcomes and characterisation of key exploitable results - Exploring the most suitable exploitation pathways
C	Exploitation potential: IPR, joint exploitation, promotion and beyond	Activities in Phase C will relate to the project's final results and include the following activities: - User targeting via brochures and online promotion - Demonstration of the BIOMATDB Database and Marketplace - IPR - Plan for follow up projects, e.g., networking with research funding agencies and EC bodies - Creating synergies & networks and encouraging uptake of the solutions - Involve stakeholders in project activities

3.4 Exploitation plan – Update

The exploitation plan is structured according to the exploitation strategy and includes a list of all planned exploitation activities.

Table 19. Exploitation – detailed plan

PHASE A		Date (Start): 01.01.2024 Date (End): 31.03.2023 INITIAL ASSESSMENT ACTIVITIES: technology mapping, landscape analysis & trends
DONE	Period	Date (Start): 01.06.2022 Date (End): 31.01.2023
	Action	Technology mapping
	Description	Get and overview of existing ontologies, marketplaces and databases, products and services relevant to biomaterials; Analysis submitted as part of D2.1
	Partners	UPC + all partners
DONE	Period	Date (Start): 01.06.2022 Date (End): 31.01.2023
	Action	Industrial and Research landscape
	Description	Analysing the biomaterial industrial and research landscape and get an overview of main actors
	Partners	CEC/CCIC, M&S, CLUSTER

DONE	Period	Date (Start): 01.06.2022 Date (End): 31.01.2023
	Action	Market overview
	Description	Get an overview of the biomaterials market including growth projections, growth factors and market challenges
	Partners	CEC/CCIC, CLUSTER
DONE	Period	Date (Start): 01.10.2022 Date (End): 31.10.2022
	Action	Individual Exploitation Plans
	Description	Collection of individual exploitation plans of the BIOMATDB partners in order to ensure their commitment towards the exploitation activities
	Partners	M&S + all partners
DONE	Period	Date (Start): 01.10.2022 Date (End): 31.10.2022
	Action	Initial list of exploitable results
	Description	Creation of an initial list of exploitable results within the BIOMATDB project
	Partners	M&S + all partners
DONE	Period	Date (Start): 01.06.2022 Date (End): 31.10.2022
	Action	Plan for exploitation
	Description	Developing the initial plan outlining how project outputs will be exploited; Submission of the DEC Plan (D6.2)
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 01.06.2022 Date (End): 28.02.2025
	Action	Collection of potential users
	Description	Collection of buyers, demanders and researchers that might be contacted as potential users of the BIOMATERIAL DATABASE and the BIOMATERIAL MARKETPLACE
	Partners	M&S, SYNYO + all partners
	PHASE B	Date (Start): 31.03.2023 Date (End): 31.01.2024 EXPLOITATION RAMP-UP: identifying values, strengths, and potential issues
DONE	Period	Date (Start): 31.03.2024 Date (End): 31.01.2024
	Action	Identification of key outcomes and characterisation of key exploitable results
	Description	Better characterisation of the BIOMATERIAL MARKETPLACE and BIOMATERIAL DATABASE through project-internal presentations and the Deliverables
	Partners	M&S + all partners
DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Identification and creation of the portfolio of R&I project results
	Description	Identification of the results of the HRB project group including their characteristics.
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Mapping of the relevant stakeholders/target audience
	Description	Mapping of the relevant stakeholders/target audience as part of the HRB Module A
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Stakeholder & Stakeholder Relevance Analysis
	Description	Identification of parties that will be affected by operations, objectives and results of the HRB Project Group and analysis of their influence, interest and geographical dimension.
	Partners	M&S, TAU

DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	State-of-the-art Analysis
	Description	Overview of the portfolio field and differentiators in the field as part of the HRB Module A
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Identification of main actors in the field of the HRB project group
	Description	Identification of similar research initiatives or competitors
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.03.2023 Date (End): 31.12.2023
	Action	Preliminary SWOT analysis
	Description	Preliminary SWOT analysis for the HRB project group
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.09.2023 Date (End): 25.10.2023
	Action	Initial value proposition for the BIOMATERIAL DATABASE
	Description	Workshop in Barcelona to discuss the value proposition of the BIOMATERIAL DATABASE; Brainstorming session
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.09.2023 Date (End): 25.10.2023
	Action	Exploring the most suitable exploitation pathways and business models for the BIOMATERIAL DATABASE
	Description	Workshop in Barcelona to discuss potential business models for the BIOMATERIAL DATABASE; Brainstorming session
	Partners	M&S, TAU
DONE	Period	Date (Start): 01.09.2023 Date (End): 25.10.2023
	Action	Exploring the most suitable exploitation pathways and business models for the BIOMATERIAL MARKETPLACE
	Description	Workshop in Barcelona to discuss potential business models for the BIOMATERIAL MARKETPLACE; Brainstorming session
	Partners	M&S, TAU
	PHASE C	Date (Start): 31.01.2024 Date (End): 28.02.2025 +4 years after the project end EXPLOITATION POTENTIAL: IPR, joint exploitation, promotion and beyond
DONE	Period	Date (Start): 01.06.2025 Date (End): 30.09.2024
	Action	Initial IPR assessment
	Description	Questionnaire assessing whether any partners have produced any IP and how partners are planning to protect IP
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 31.01.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	IPR management
	Description	Managing Intellectual Property Rights
	Partners	M&S + all partners
IN PROGRESS	Period	Date (Start): 31.01.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Promotion of the BIOMATERIAL DATABASE and BIOMATERIAL MARKETPLACE
	Description	Developing brochures and online promotion targeting potential users.

IN PROGRESS	Partners	M&S + all partners
	Period	Date (Start): 31.01.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Long-term strategy and business models
	Description	Developing a strategy for securing long-term and continued exploitation.
TO DO	Partners	M&S + all partners
	Period	Date (Start): 31.12.2024 Date (End): 28.02.2025
	Action	SWOT analysis
	Description	A strategic analysis (SWOT) for the BIOMATERIAL DATABASE and MARKETPLACE
TO DO	Partners	M&S + all partners
	Period	Date (Start): 31.12.2024 Date (End): 28.02.2025 +4 years after the project end
	Action	Networking with projects that are developing biomaterials
	Description	Networking with projects that are developing biomaterials to support each other's exploitation activities.
TO DO	Partners	M&S + all partners
	Period	Date (Start): 31.12.2024 Date (End): 28.02.2025
	Action	D6.4 Exploitation plan including market strategies and business models
	Description	Developing the final plan detailing the exploitation of all project results.
TO DO	Partners	M&S + all partners
	Period	Date (Start): 31.12.2024 Date (End): 28.02.2025
	Action	D6.4 Exploitation plan including market strategies and business models
	Description	Developing the final plan detailing the exploitation of all project results.

As part of the exploitation activities, projects that develop biomaterials or biomaterial-based medical devices were identified. The market-access and exploitation activities of these projects could be supported via the BIOMATERIAL DATABASE and BIOMATERIAL MARKETPLACE, while the collaboration can also in turn support the exploitation activities of BIOMATDB. The identified European projects are listed in [Table 20](#).

Table 20. Overview of EU projects to be contacted in relation to the BIOMATERIAL DB & MAR

Acronym	Title	Date	Programme
REBORN	Remodelling of the infarcted heart: Piezoelectric multifunctional patch enabling the sequential release of therapeutic factors	01.01.2023 – 31.12.2026	HORIZON-CL4
FORTIFIEDx	Multifunctional microfluidic patch for infectious diseases diagnosis	01.08.2023 – 31.07.2027	HORIZON-CL4
PERSIMMON	Personalized Sustainable Smart Patch Omnificence	01.09.2024 – 31.08.2028	HORIZON-CL4
EU-TRAINS	Towards an Ecosystem of User-centric devices and services for multisport Training and Remote healthcare enabled by an Artificial Intelligence-based Network of Sensors	01.06.2024 – 31.05.2027	HORIZON-CL4
SENSOPAD	Sensing ENDometriosis On Portable Auxiliary Devices	01.09.2024 - 31.08.2028	HORIZON-CL4
UltraSense	Ultra-Sound Combined with BIA and Graphene FET-Enhanced Wearable Sensing for Decentralised Health-Monitoring	01.09.2024 – 31.08.2024	HORIZON-CL4
NABIHEAL	Antimicrobial nanostructured biomaterials for complex wound healing	01.01.2023	HORIZON-CL4

NOMAD	Novel biomaterials to prevent dental peri-implant infections	01.12.2022 – 31.05.2027	HORIZON-CL4
ELR-SCAR	A novel multi-functional elastin-like recombinant hydrogel for the prevention of scar tissue formation following a myocardial infarction	01.12.2022 - 30.11.2026	HORIZON-CL4
BUCCAL-PEP	Development of a multifunctional biomaterial patch for buccal delivery of peptide-analogue treatments	01.01.2023 – 31.12.2026	HORIZON-CL4
FORCE REPAIR	smart and multiFunctional 3D printable prO-Regenerative biologiCal matrix modulating mEchanotRansduction as advancEd theraPy to treAt skIn chRonic wounds	01.01.2023 – 31.12.2026	HORIZON-CL4
ReverseParalysis	Brain–spine interfaces to restore limb control in spinal cord injury patients	01.10.2020 - 30.09.2024	HORIZON-EIC
GLUMON	Next generation in-blood glucose monitoring using non-invasive optoacoustic sensing	01.05.2022 – 30.04.2026	HORIZON-EIC
SilkPlatelet	A bone marrow biomimetic system for ex vivo platelet production	01.10.2022 – 30.09.2025	HORIZON-EIC
SPARTHACUS	Smart antibacterial coatings	01.08.2022 – 31.07.2025	HORIZON-EIC
PRISMA	Micro-mechanical pump for next generation insulin delivery systems	01.07.2022 – 30.06.2025	HORIZON-EIC
DREIMS	Drug-eluting electrical implant to repair the spinal cord	01.12.2023 – 30.11.2026	HORIZON-EIC
POLINA	Unprecedented photolithographic structuring of novel light-sensitive poly(amino acid) materials– a paradigm shift in delivering biocompatible devices	01.01.2024 – 31.12.2027	HORIZON-EIC
BIOMET4D	Smart 4D biodegradable metallic shape-shifting implants for dynamic tissue restoration	01.06.2026 – 30.06.2026	HORIZON-EIC
Coati-X	New generation of bioactive coating for intravenous catheters and implantable medical devices to prevent infections and thrombosis	01.04.2024 – 31.03.2027	HORIZON-EIC
INTRECOM	Intracranial Neuro Telemetry to Restore Communication	01.12.2022 – 30.11.2026	HORIZON-EIC
REGENEU	Consolidating the expertise Of Necmettin Erbakan University towards the development of Biofibers For Wound Healing and Tissue Regeneration	01.10.2022 – 30.09.2025	HORIZON-WIDERA
O2CELLS	Hybrid living bioengineered hierachical constructs with self-oxygenating capability for bone engineering	01.05.2024 – 30.04.2026	HORIZON-WIDERA
HyFiDress	Excellence in the Research Area of Multifunctional Hybrid Hydrogel-Fibrous Constructs for Wound Dressings	01.06.2024 – 31.05.2027	HORIZON-WIDERA

3.5 Exploitation activities – Progress

As reported in the updated exploitation plan, several exploitation activities have already been completed. Due to the sensitive nature of some of the results, they will be reported in D6.4 “Exploitation plan including market strategies and business models” (SEN). To give an impression of the work that has been done, blurred screenshots of the workshop activities that have been completed in terms of the value proposition, definition of business models and revenue streams for the BIOMATERIAL DATABASE and BIOMATERIAL MARKETPLACE are displayed in Figure 3 and Figure 4. The IPR management strategy has been reported as part of the DMP.



Figure 3. Results of the value proposition and business model workshop in Barcelona



Figure 4. Results of the revenue model workshop in Vienna

4 Monitoring and evaluation (KPIs)

As part of D6.2 “DEC plan and DEC materials (Package 1)” a set of KPIs to track the progress of the DEC activities has been defined. [Table 21](#) displays the current progress towards achieving these KPIs.

Table 21. Overview of DEC KPIs

Activity	Success Measures	Target (DoA)	First period (as of 16.10.2023)	Total (as of 30.10.2024)
Online activities	Number of visits on the project website, database and marketplace	30.000+	11.525	18.088
Events	Number of attended events	10+	38	67
	Number of presentations done	3+	23	32
Training webinars	Number of training webinars	10+	-	1
Workshops and platform demos	Number of workshops organised by the consortium	1	-	-
	Number of demos organised by the consortium	3	-	1
Promotional materials	Number of promotional material types	4	4	5
	Number of newsletters	3	3	5
	Number of newsletter subscribers	150	99	115
	Number of posts on CORDIS	1	3	16
	Number of videos	3	-	2
Social media presence	Number of social media posts banners	100+	267 10	405 47
	Number of accumulative followers (X + LinkedIn)	250+	650	973 (370 + 603)
	Number of interactions (LinkedIn: Post impressions) (X: Link clicks, retweets and likes)	200+	2.066	> 24.000
Publications	Number of scientific papers	3+	5	6
	Number of knowledge articles	15+	14	21
	Number of news articles (additional effort)	-	24	42
Clustering and synergies with EU projects	Number of EU projects effectively reached	3	7	7
Stakeholder surveys & interviews	Number of survey and interview participants	50+	119	262

5 Print & digital promotion materials (Package 2)

D6.2 “DEC plan and DEC materials (Package 1)” presented the first set of dissemination materials produced for the BIOMATDB project. Since then, further dissemination and promotional materials have been produced for the BIOMATDB project, its activities as well as for the BIOMATERIAL DATABASE and MARKETPLACE. [Table 22](#) lists the materials created as part of package 1 as well as all additional materials created as part of package 2. The package 2 of dissemination materials is also presented via screenshots starting from [Figure 5](#). The package 2 of dissemination materials will be extended until the end of the project.

Table 22. Overview of dissemination materials

Type	Description
Print & digital promotion materials (Package 1)	
Logo set	Icon and Logo to represent the project in public appearances.
Leaflet	BIOMATDB project leaflet including the background of the project, its objectives and basic facts
Business cards	Template for business cards in the BIOMATDB design.
Icon Set	Icon set to be used during presentations and online activities.
Key visuals	To represent the project and the scientific area it is located in.
Colour Palette	To define the project identify and colours to be used for presentations, materials or in online activities.
Roll-up	Design for a roll-up to be used in public meetings and conferences
Stickers	Stickers to be distributed at events for promotional purposes.
Presentation Template	PowerPoint template to be used for presentations of the BIOMATDB project
Deliverable Template	BIOMATDB deliverable template with formatting examples and a given basic structure
Meeting Agenda	Template for Meeting Agendas within BIOMATDB and for writing the minutes
Posters	For conferences, fairs and similar occasions
Project folder	To be used for meeting and conferences including materials like stickers, pens, and bookmarks
Website	The BIOMATDB website is the main pillar of the project’s online presence includes information about the project, news articles, media downloads, and more.
Social media banners	Banners to be used for regular posts on the project’s X, LinkedIn and YouTube channels.

Newsletter	Provides interested audiences with the main actual topics within the project and will be emitted at least twice a year.
Infographics	A basic set of infographics has been created and will be expanded in the course of the project.
Promotional banners (Package 1)	Banners to promote activities such as events or the stakeholder survey in online media.
Print & digital promotion materials (Package 2)	
PROJECT	
BIOMATDB Poster	Poster to present the BIOMATB project at meetings and conferences.
BIOMATDB Poster (Database Development)	Poster to present the BIOMATB Database development at meetings and conferences.
QR Codes	QR Codes to access the BIOMATDB social media channels and newsletter
SURVEYS	
Email Template	Email Template for partners to be used to encourage participation in the surveys.
Social Media Banner (Marketplace Survey)	Banners/Image that can be used in social media posts to encourage participation in the marketplace survey.
Social Media Banner (Database Survey)	Banners/Image that can be used in social media posts to encourage participation in the database survey.
Newsletter Banner	Banner/Image that can be used to disseminate the database and marketplace surveys via newsletters.
Newsletter Banner with QR	Banner/Image that includes a QR code link to the database and marketplace surveys and can be used to disseminate the database and marketplace surveys via newsletters.
QR Code (Marketplace Survey)	QR Code linking to the marketplace survey to be used at events, in presentations or print materials.
QR Code (Database Survey)	QR Code linking to the database survey to be used at events, in presentations or print materials.
BIOMATERIAL DATABASE	
Logo	Logo to represent the BIOMATERIAL DATABASE in public appearances.

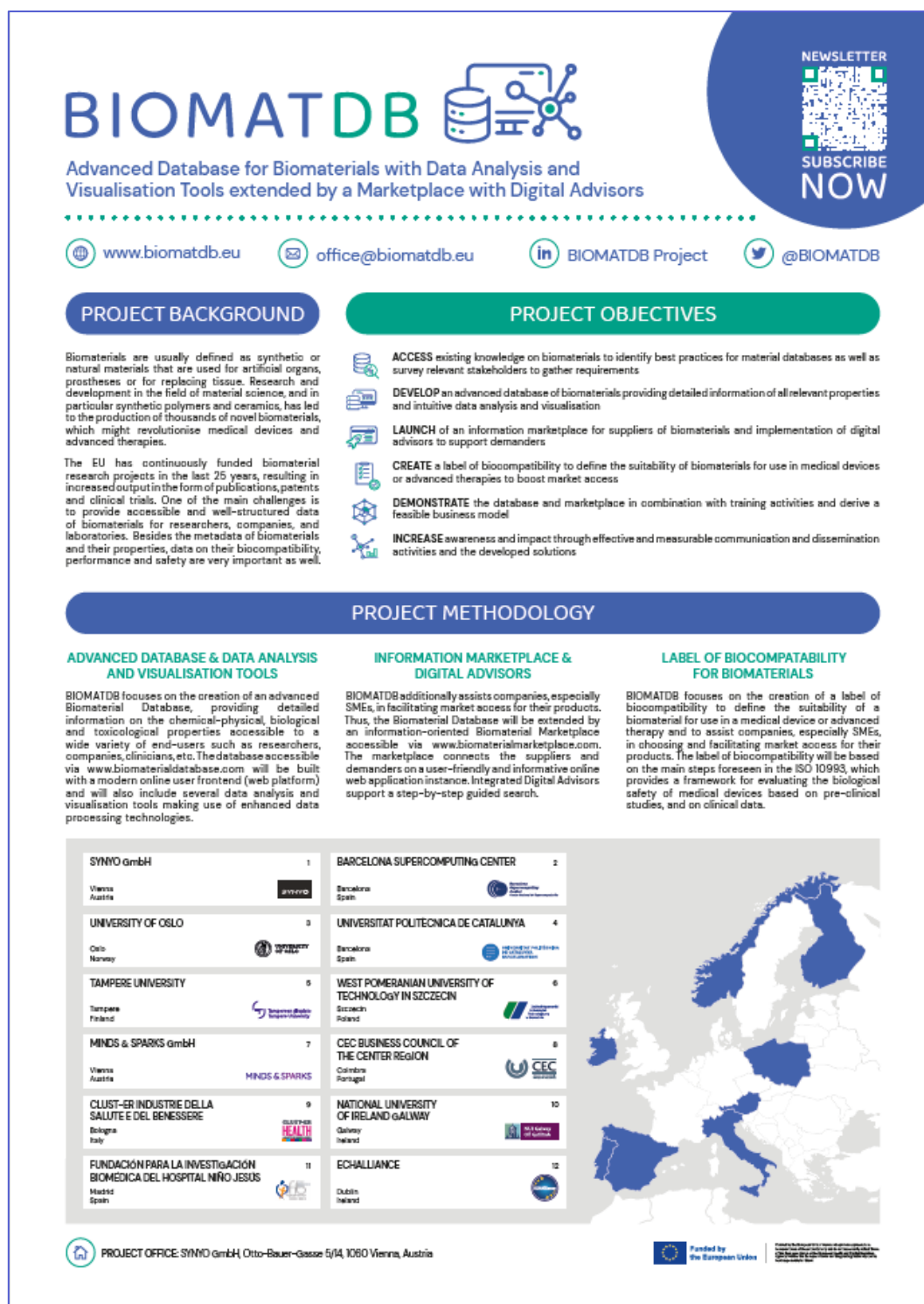
About Brochure	A small magazine containing information about and images of the BIOMATERIAL DATABASE.
Business Card	Business cards in the BIOMATERIAL DATABASE design containing its contact information (URL, email).
Social media banners	Banners to be used to promote the BIOMATERIAL DATABASE via social media channels (e.g., X, LinkedIn)
Favicons	Small icons that visually represent the BIOMATERIAL DATABASE helping users easily identify the platform among their browser tabs and bookmarks.
Roll-up (in progress)	Design for a roll-up to to promote the BIOMATERIAL DATABASE at public meetings and conferences.
Stickers (In progress)	Stickers with the link to the BIOMATERIAL DATABASE to be distributed at events for promotional purposes.
Promotion video (In progress)	Video presenting the BIOMATERIAL DATABASE to potential users.
Social Media Posts (In progress)	Pre-drafted collection of social media posts to promote the BIOMATERIAL DATABASE via social media channels.
BIOMATERIAL MARKETPLACE	
Logo	Logo to represent the BIOMATERIAL MARKETPLACE in public appearances.
About Brochure	A small magazine containing information about and images of the BIOMATERIAL MARKETPLACE.
Supplier Brochure	A small magazine explaining how suppliers of biomaterials can register in and use the BIOMATERIAL MARKETPLACE.
Roll-up	Design for a roll-up to to promote the BIOMATERIAL MARKETPLACE at public meetings and conferences.
Stickers	Stickers with the link to the BIOMATERIAL MARKETPLACE to be distributed at events for promotional purposes.
Business Card	Business cards in the BIOMATERIAL MARKETPLACE design containing its contact information (URL, email).
Social media banners	Banners to be used to promote the BIOMATERIAL MARKETPLACE via social media channels (e.g., X, LinkedIn)
Advertising banners (General)	Promotional banners in various sizes and formats to fit different advertising spaces, ensuring they drive traffic on the marketplace.
Advertising banners (Suppliers)	Promotional banners in various sizes and formats to fit different advertising spaces, ensuring they drive suppliers to register on the marketplace.

Advertising banners (Buyers)	Promotional banners in various sizes and formats to fit different advertising spaces, ensuring they drive buyers to use the marketplace.
Favicons	Small icons that visually represent the BIOMATERIAL MARKETPLACE, the Help Page and the AdminBase helping users easily identify the platforms among their browser tabs and bookmarks.
Pencils	Custom-branded promotional pencils designed to enhance brand visibility and recognition, allowing users to showcase their affiliation with the marketplace.
Pens	Custom-branded promotional pens designed to enhance brand visibility and recognition, allowing users to showcase their affiliation with the marketplace.
USB-Sticks	Custom-branded promotional USB-Sticks designed to enhance brand visibility and recognition, allowing users to showcase their affiliation with the marketplace.
Notepad	Custom-branded promotional notepads designed to enhance brand visibility and recognition, allowing users to showcase their affiliation with the marketplace.
Promotional & Training videos	Videos presenting the BIOMATERIAL MARKETPLACE to interested stakeholders and showing the registration process to suppliers of biomaterials.
Train-the-Trainer Presentation	Presentation to train promoters how to showcase the BIOMATERIAL MARKETPLACE to potential users.
Email Template	Email Template for partners to encourage registration on the BIOMATERIAL MARKETPLACE.
Supplier Presentation	Presentation to present the BIOMATERIAL MARKETPLACE to interested suppliers of biomaterials and medical devices.
One Pager	A4 sheet with the most important information about the marketplace to support promoters during calls with interested suppliers.
Social Media Posts	Pre-drafted collection of social media posts to promote the BIOMATERIAL MARKETPLACE.
Banners and images for the BIOMATERIAL MARKETPLACE Frontend	Visually appealing graphics or promotional elements designed to enhance user engagement, convey messages, and reinforce brand identity in the BIOMATERIAL MARKETPLACE while making the overall site more attractive.

Please note that additional materials will be created until the end of the project that cannot be included in D6.3. However, these materials will be made available in a shared folder. **All current and future materials are accessible through this folder:**
<https://drive.google.com/drive/folders/1xOGRUuavRNA5I9Ie3IzqRuhOoUjmNYz?usp=sharing>

In the following section, all promotional materials of Package 2 will be displayed. Some images are intentionally blurred due to the public nature of this document.

5.1 Dissemination materials for the BIOMATDB project



BIOMATDB 

Advanced Database for Biomaterials with Data Analysis and Visualisation Tools extended by a Marketplace with Digital Advisors

.....

 www.biomatdb.eu
 office@biomatdb.eu
 BIOMATDB Project
  @BIOMATDB

PROJECT BACKGROUND

Biomaterials are usually defined as synthetic or natural materials that are used for artificial organs, prostheses or for replacing tissue. Research and development in the field of material science, and in particular synthetic polymers and ceramics, has led to the production of thousands of novel biomaterials, which might revolutionise medical devices and advanced therapies.

The EU has continuously funded biomaterial research projects in the last 25 years, resulting in increased output in the form of publications, patents and clinical trials. One of the main challenges is to provide accessible and well-structured data of biomaterials for researchers, companies, and laboratories. Besides the metadata of biomaterials and their properties, data on their biocompatibility, performance and safety are very important as well.

PROJECT OBJECTIVES

-  **ACCESS** existing knowledge on biomaterials to identify best practices for material databases as well as survey relevant stakeholders to gather requirements
-  **DEVELOP** an advanced database of biomaterials providing detailed information of all relevant properties and intuitive data analysis and visualisation
-  **LAUNCH** of an information marketplace for suppliers of biomaterials and implementation of digital advisors to support demanders
-  **CREATE** a label of biocompatibility to define the suitability of biomaterials for use in medical devices or advanced therapies to boost market access
-  **DEMONSTRATE** the database and marketplace in combination with training activities and derive a feasible business model
-  **INCREASE** awareness and impact through effective and measurable communication and dissemination activities and the developed solutions

PROJECT METHODOLOGY

ADVANCED DATABASE & DATA ANALYSIS AND VISUALISATION TOOLS

BIOMATDB focuses on the creation of an advanced Biomaterial Database, providing detailed information on the chemical-physical, biological and toxicological properties accessible to a wide variety of end-users such as researchers, companies, clinicians, etc. The database accessible via www.biomaterialdatabase.com will be built with a modern online user frontend (web platform) and will also include several data analysis and visualisation tools making use of enhanced data processing technologies.

INFORMATION MARKETPLACE & DIGITAL ADVISORS

BIOMATDB additionally assists companies, especially SMEs, in facilitating market access for their products. Thus, the Biomaterial Database will be extended by an information-oriented Biomaterial Marketplace accessible via www.biomaterialmarketplace.com. The marketplace connects the suppliers and demanders on a user-friendly and informative online web application instance. Integrated Digital Advisors support a step-by-step guided search.

LABEL OF BIOCOMPATIBILITY FOR BIOMATERIALS

BIOMATDB focuses on the creation of a label of biocompatibility to define the suitability of a biomaterial for use in a medical device or advanced therapy and to assist companies, especially SMEs, in choosing and facilitating market access for their products. The label of biocompatibility will be based on the main steps foreseen in the ISO 10993, which provides a framework for evaluating the biological safety of medical devices based on pre-clinical studies, and on clinical data.

SYNIO GmbH Vienna Austria	1	BARCELONA SUPERCOMPUTING CENTER Barcelona Spain	2
UNIVERSITY OF OSLO Oslo Norway	3	UNIVERSITAT POLITÈCNICA DE CATALUNYA Barcelona Spain	4
TAMPERE UNIVERSITY Tampere Finland	5	WEST POMERANIAN UNIVERSITY OF TECHNOLOGY IN SZCZECIN Szczecin Poland	6
MINDS & SPARKS GmbH Vienna Austria	7	CEC BUSINESS COUNCIL OF THE CENTER REGION Coimbra Portugal	8
CLUST-ER INDUSTRIE DELLA SALUTE E DEL BENESSERE Bologna Italy	9	NATIONAL UNIVERSITY OF IRELAND GALWAY Galway Ireland	10
FUNDACIÓN PARA LA INVESTIGACIÓN BIOMÉDICA DEL HOSPITAL NIÑO JESÚS Madrid Spain	11	ECHALLANCE Dublin Ireland	12

 PROJECT OFFICE: SYNIO GmbH, Otto-Bauer-Gasse 5/14, 1080 Vienna, Austria
  Funded by the European Union

Figure 5. Poster presenting the BIOMATDB Project

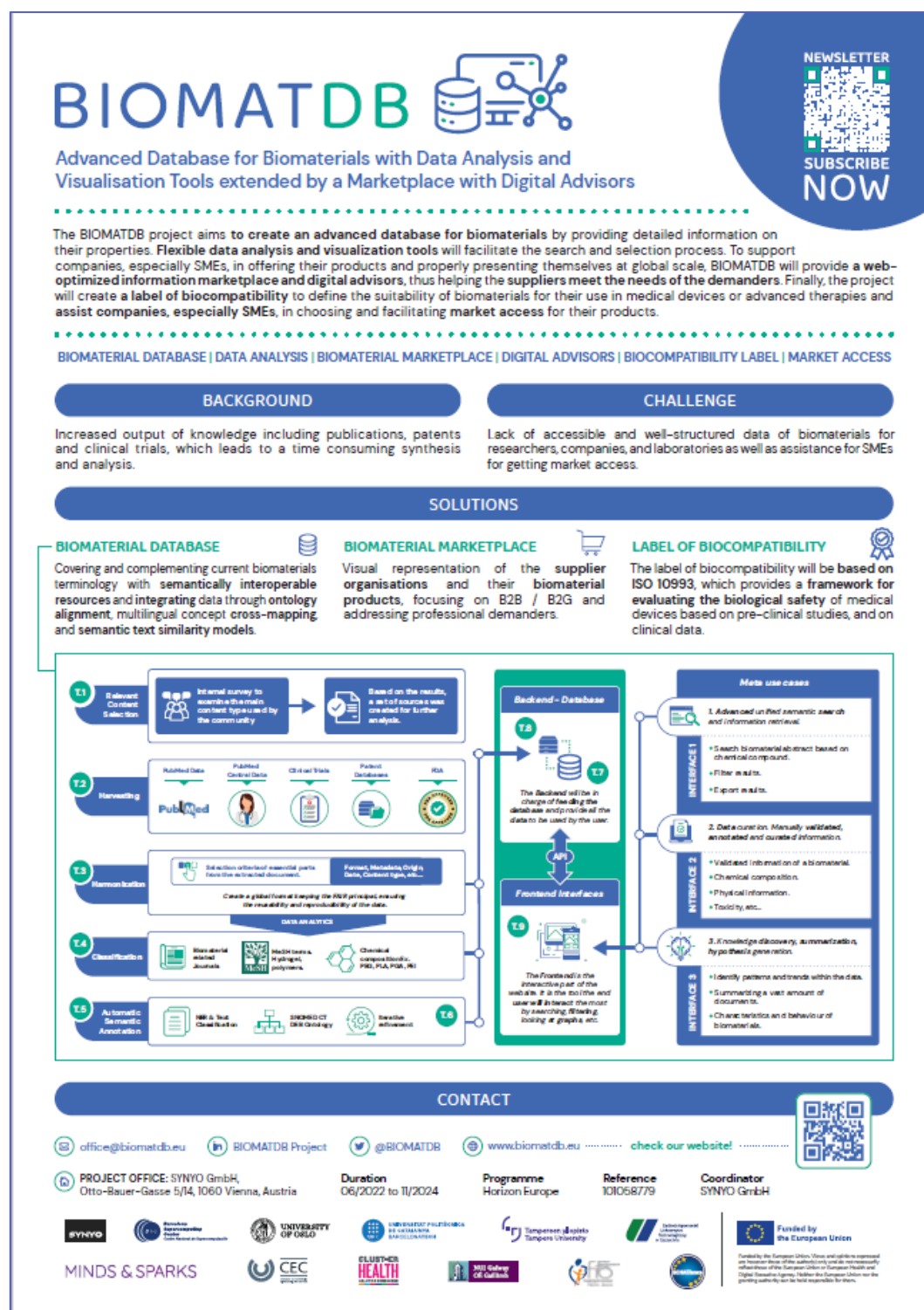


Figure 6. Poster presenting the development of the BIOMATDB Database



Figure 7. QR Codes to access the BIOMATDB social media channels and newsletter

5.2 Materials to encourage participation in the user requirements surveys



Figure 8. Email Template (Survey Promotion)

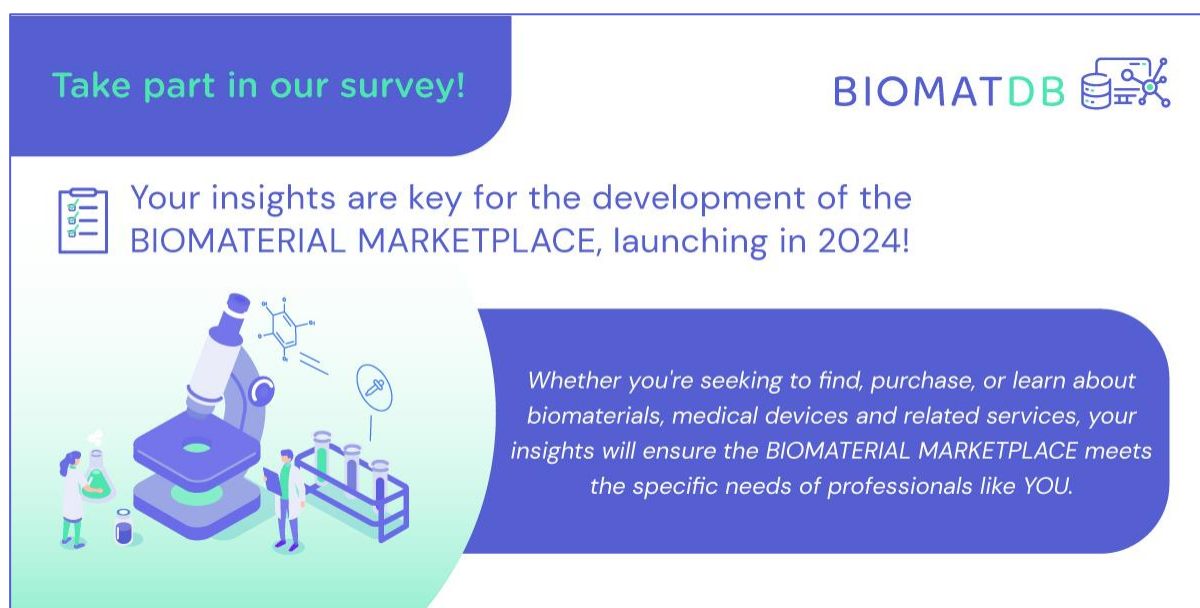


Figure 9. Social Media Banner (Marketplace Survey)

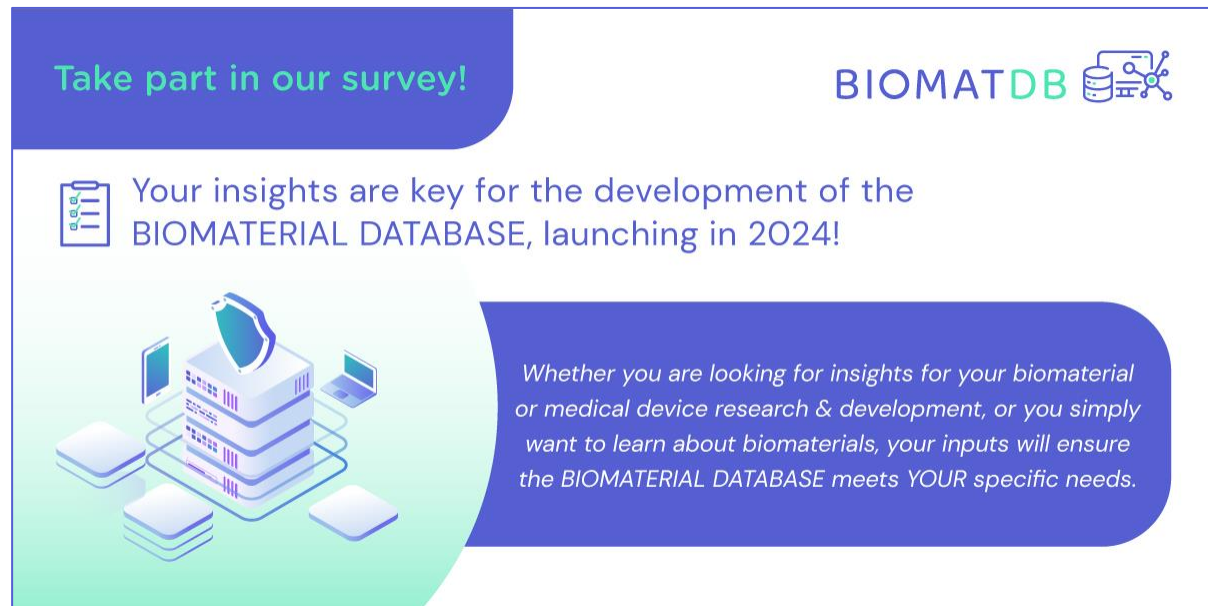


Figure 10. Social Media Banner (Database Survey)



Figure 11. Newsletter Banners (Survey Promotion)



Figure 12. Newsletter Banner with QR Code (Survey Promotion)

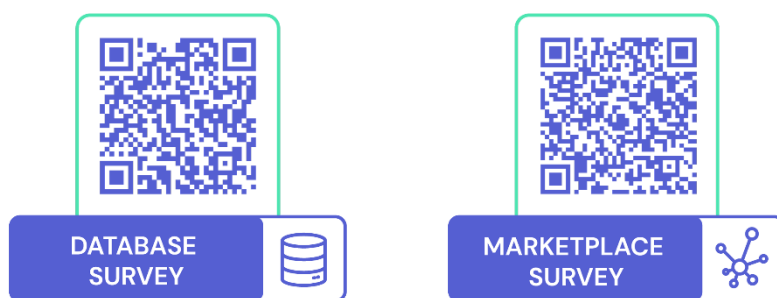


Figure 13. QR Codes linking to the marketplace and database surveys

5.3 Materials to promote the BIOMATERIAL DATABASE



Figure 14. BIOMATERIAL DATABASE Logo

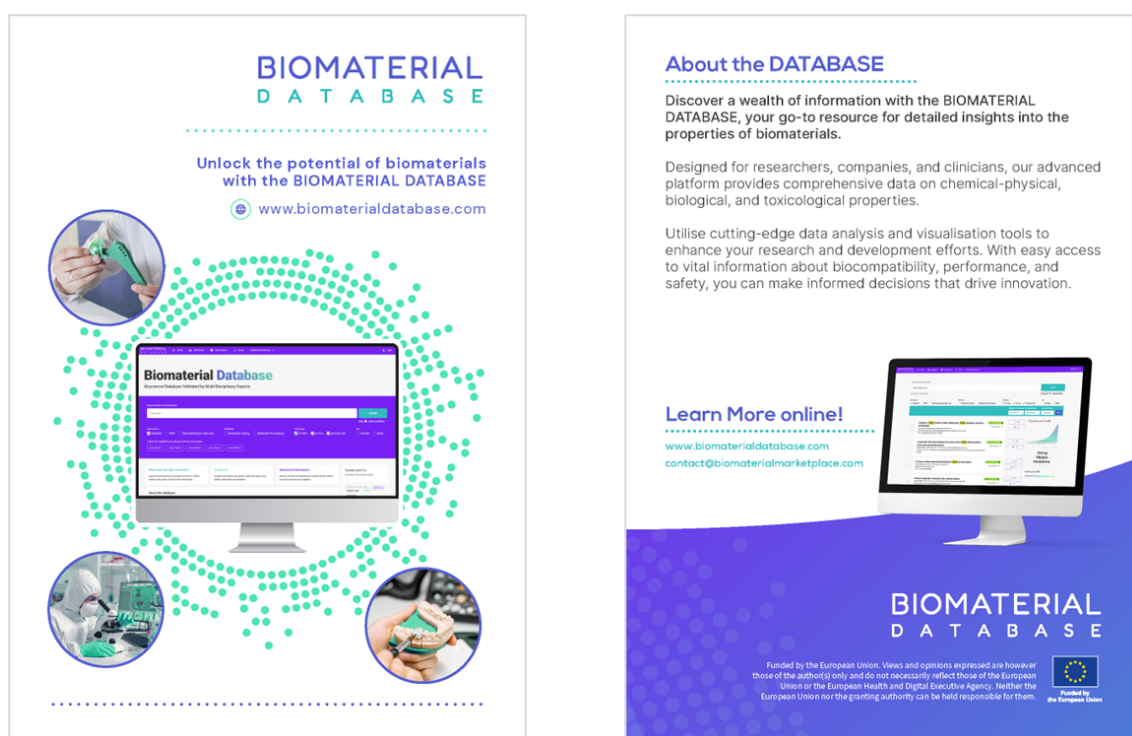


Figure 15. BIOMATERIAL DATABASE About Brochure



Figure 16. BIOMATERIAL DATABASE Business Card

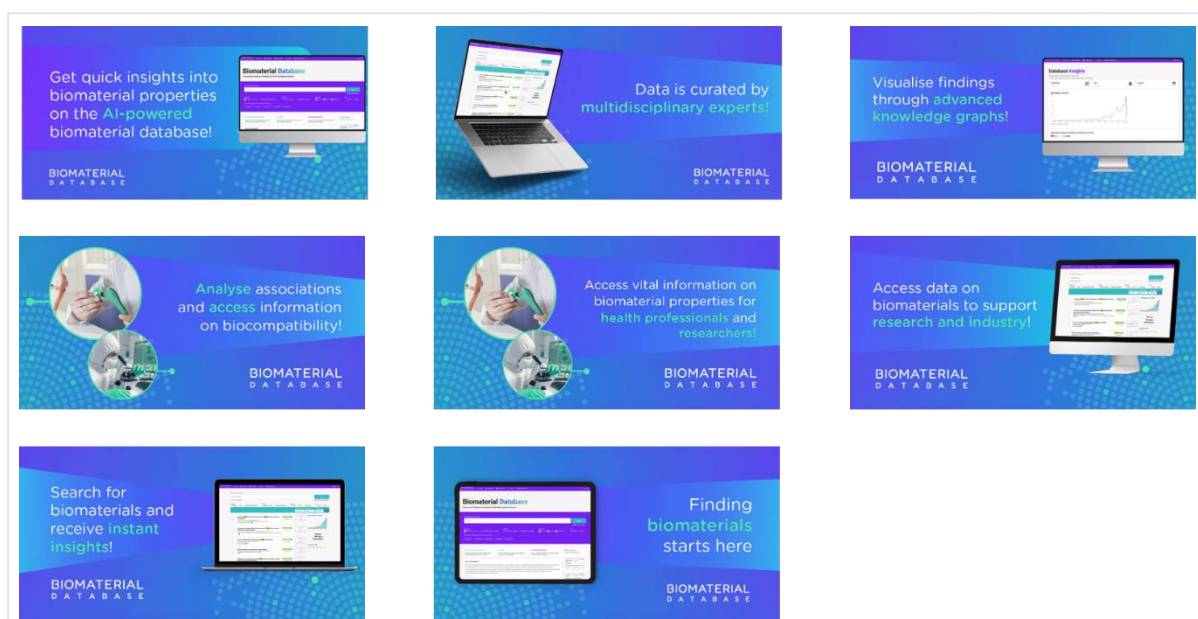


Figure 17. BIOMATERIAL DATABASE Social media banners



Figure 18. BIOMATERIAL DATABASE Favicons

5.4 Materials to promote the BIOMATERIAL MARKETPLACE



Figure 19. BIOMATERIAL MARKETPLACE Logo

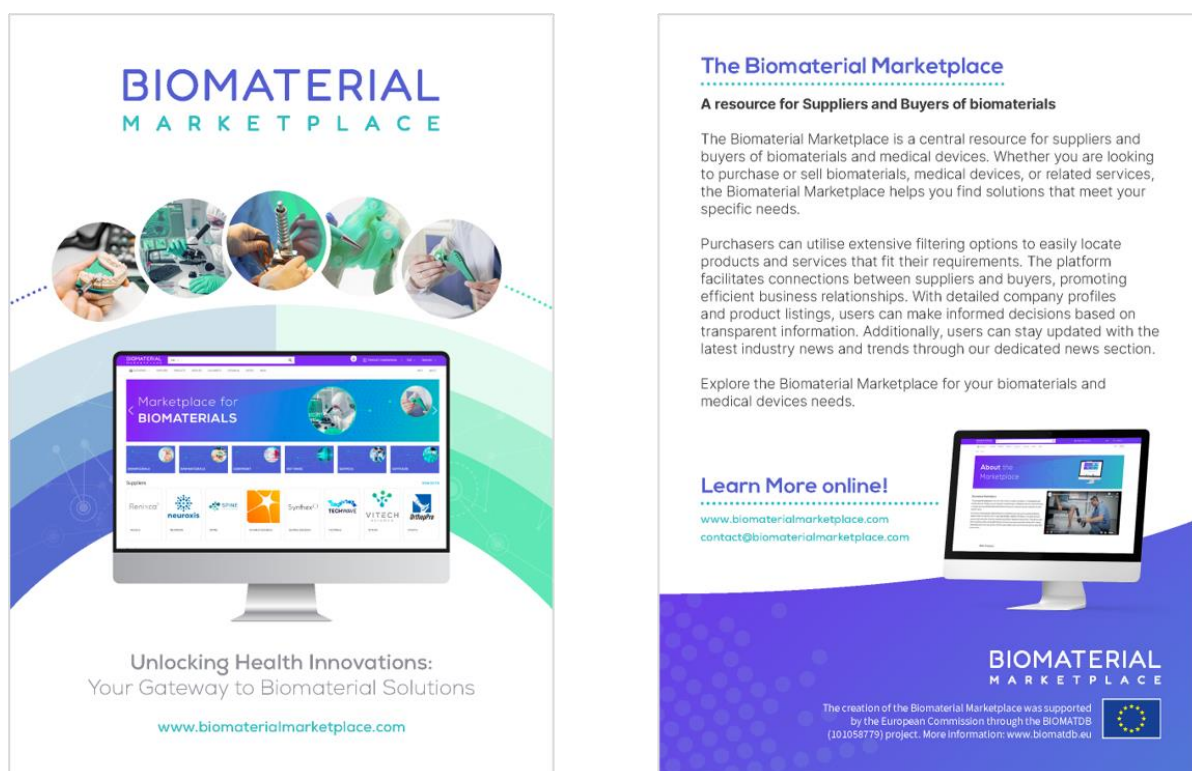
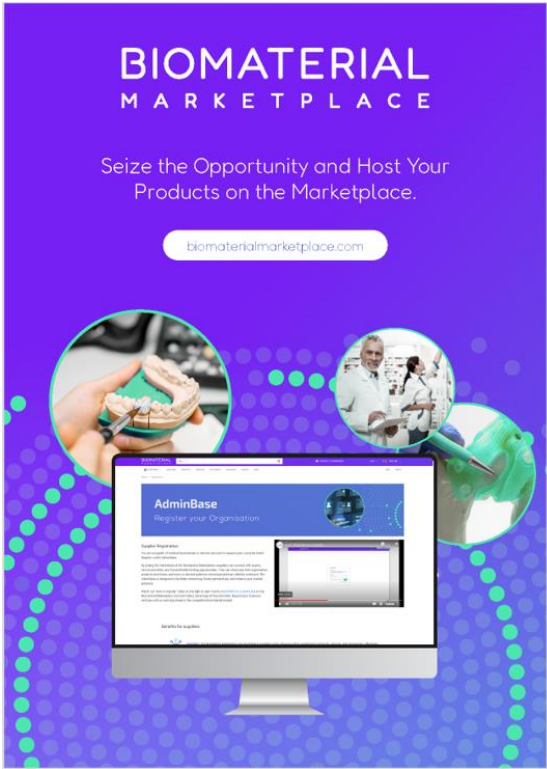


Figure 20. BIOMATERIAL MARKETPLACE About Brochure



**BIOMATERIAL
MARKETPLACE**

Seize the Opportunity and Host Your Products on the Marketplace.

biomaterialmarketplace.com

Supplier Registration

You are a supplier of medical biomaterials or devices and want to expand your customer base? Register on the AdminBase.

By joining the AdminBase of the Biomaterial Marketplace, suppliers can connect with buyers, service providers, and find profitable funding opportunities. They can showcase their organisation, products, brochures, and news to a broad audience, ensuring maximum visibility and reach. The AdminBase is designed to facilitate networking, foster partnerships, and enhance your market presence.

Register as a supplier on the Biomaterial Marketplace today and start benefiting from these advantages. Grow your business with us and stay competitive in the evolving biomaterials market.

Learn More online!

www.biomaterialmarketplace.com
contact@biomaterialmarketplace.com



**BIOMATERIAL
MARKETPLACE**

The creation of the Biomaterial Marketplace was supported by the European Commission through the BIOMATDB (101058772) project. More information: www.biomatdb.eu



Figure 21. BIOMATERIAL MARKETPLACE Supplier Brochure



**BIOMATERIAL
MARKETPLACE**

www.biomaterialmarketplace.com

**BIOMATERIAL
MARKETPLACE**

www.biomaterialmarketplace.com

**BIOMATERIAL
MARKETPLACE**

www.biomaterialmarketplace.com

Figure 22. BIOMATERIAL MARKETPLACE Roll-up and Stickers

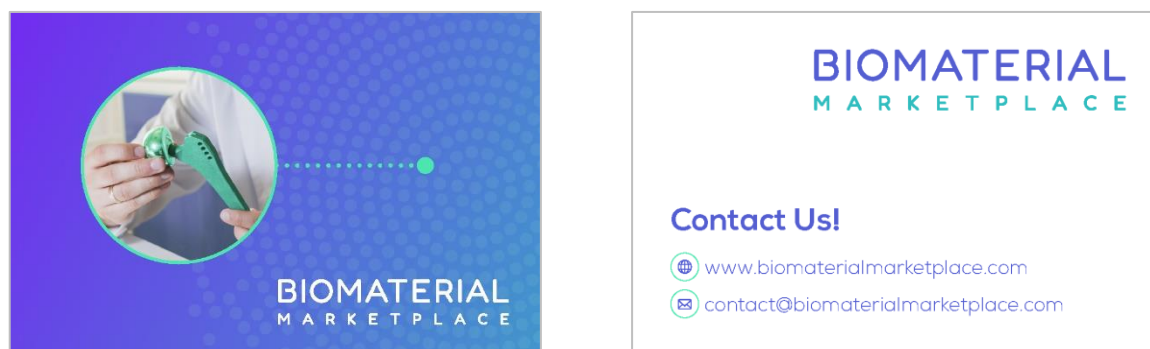


Figure 23. BIOMATERIAL MARKETPLACE Business Card

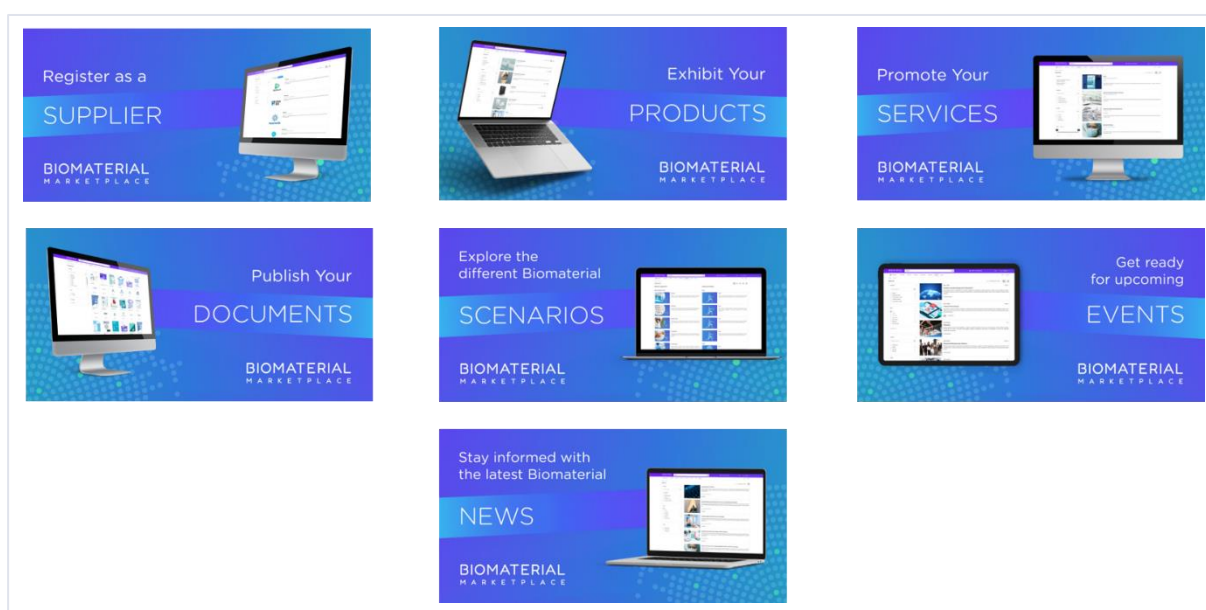


Figure 24. BIOMATERIAL MARKETPLACE Social media banners

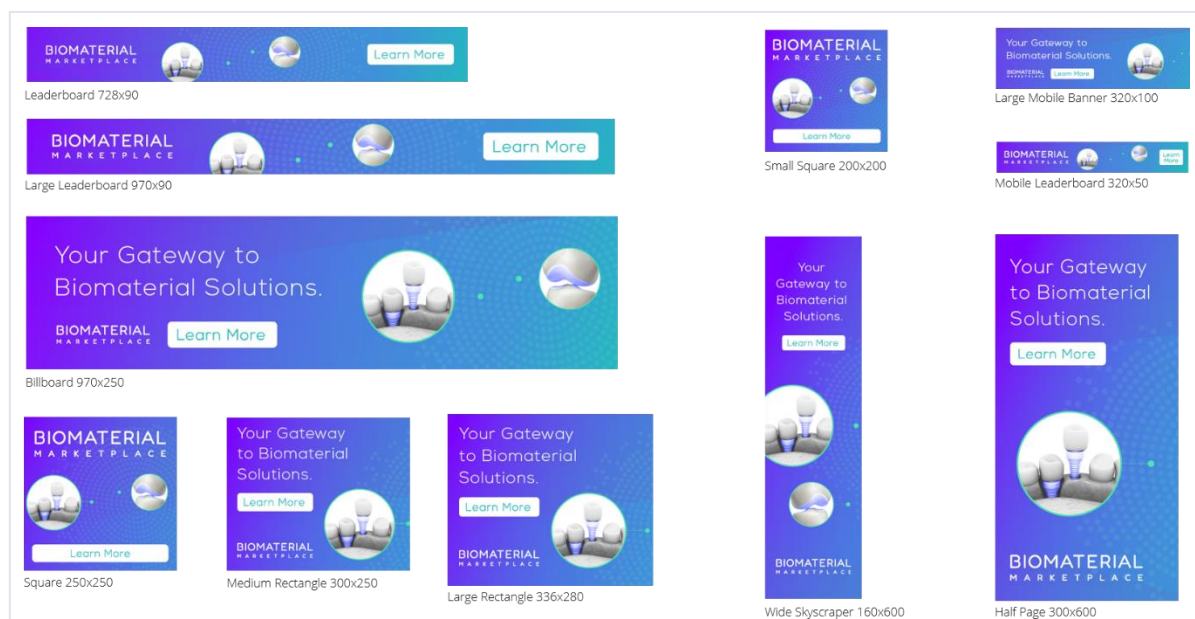


Figure 25. BIOMATERIAL MARKETPLACE Advertising banners (General)

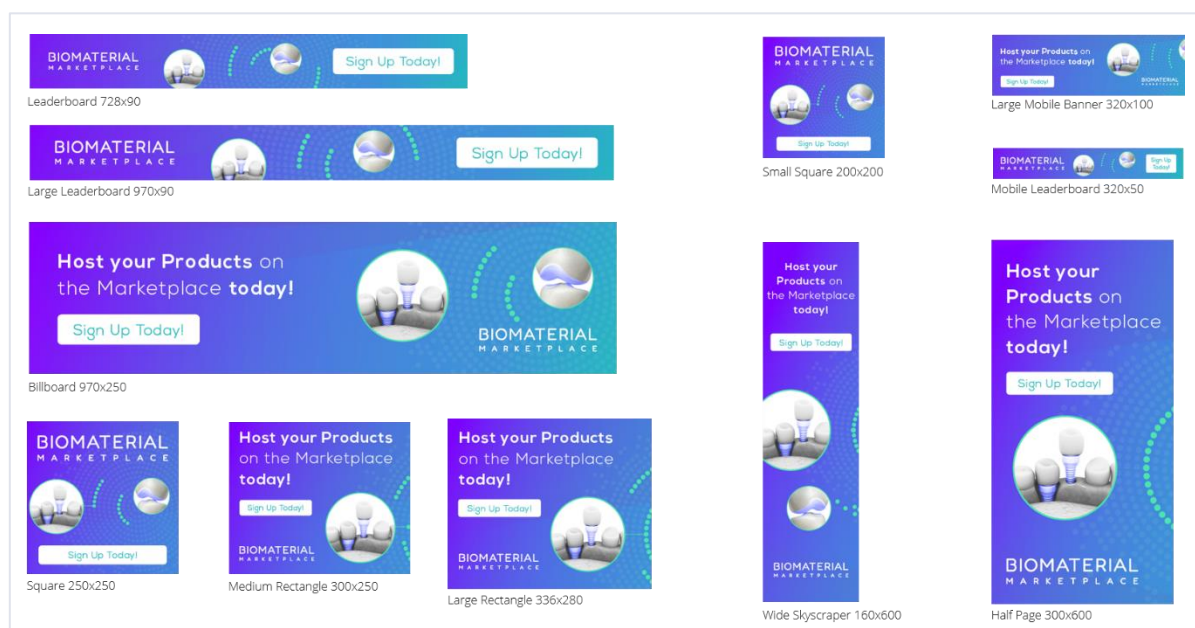


Figure 26. BIOMATERIAL MARKETPLACE Advertising banners (Suppliers)

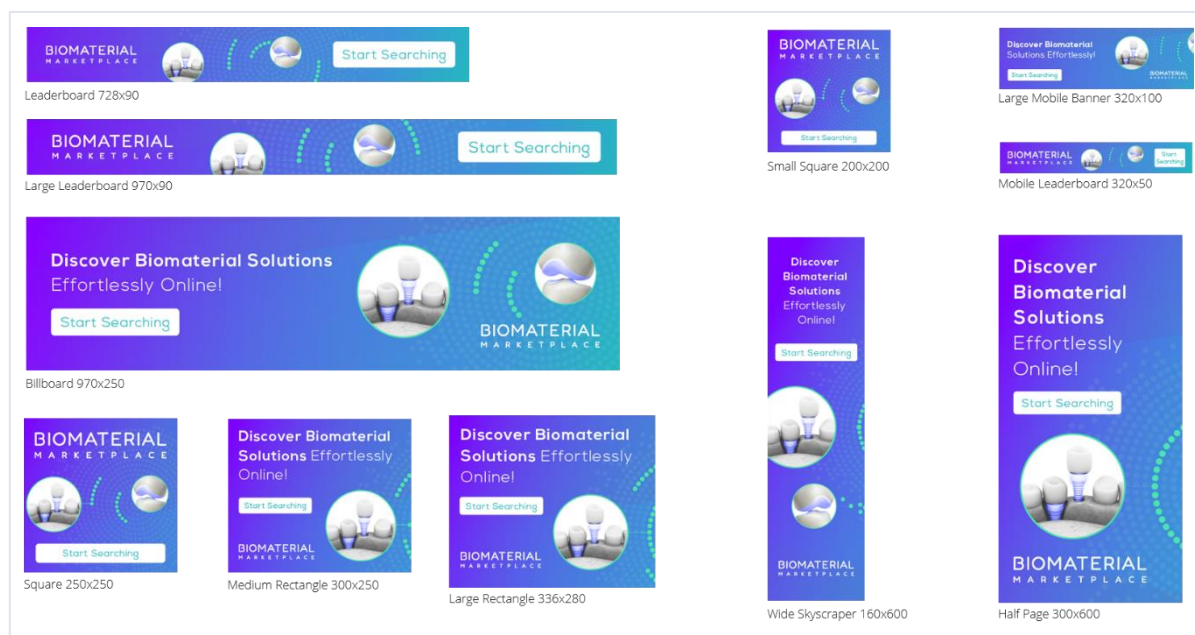


Figure 27. BIOMATERIAL MARKETPLACE Advertising banners (Buyers)

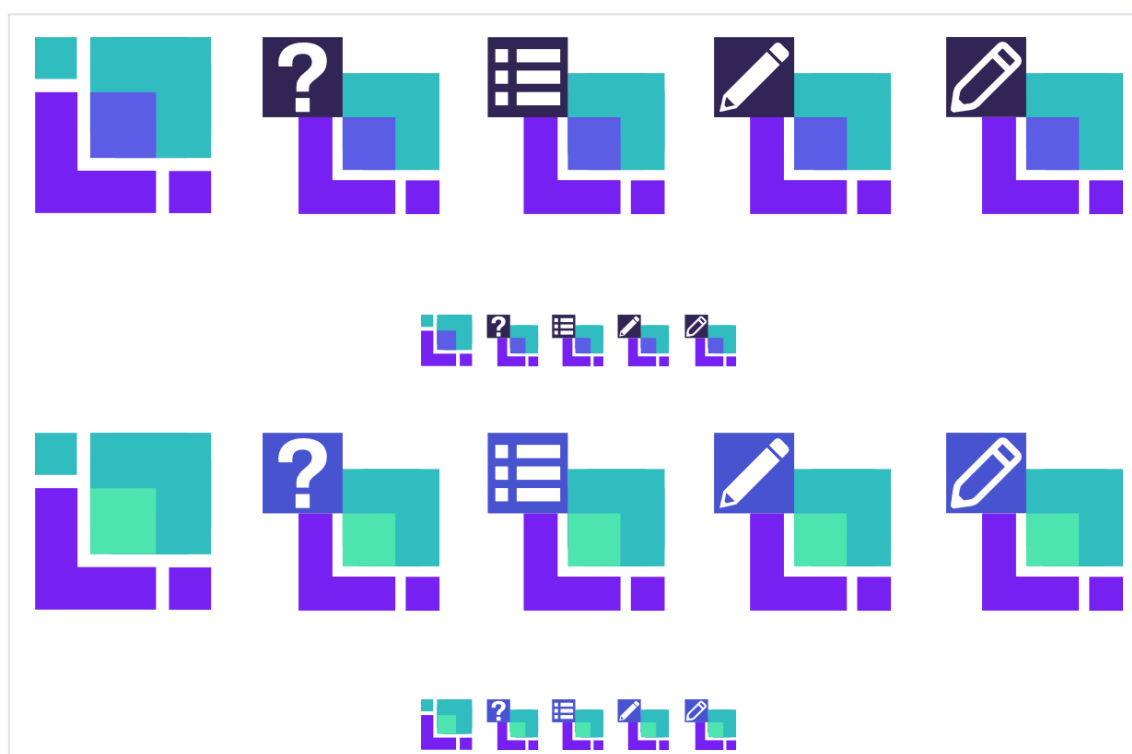


Figure 28. BIOMATERIAL MARKETPLACE Favicons

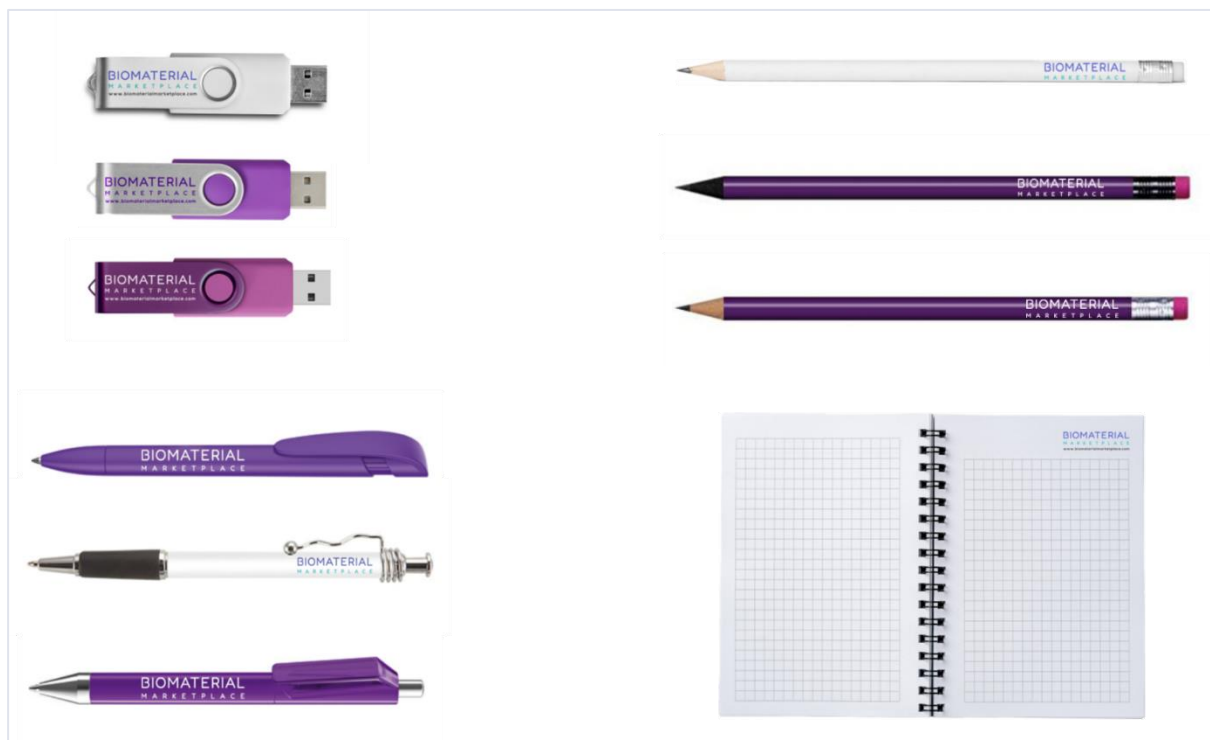
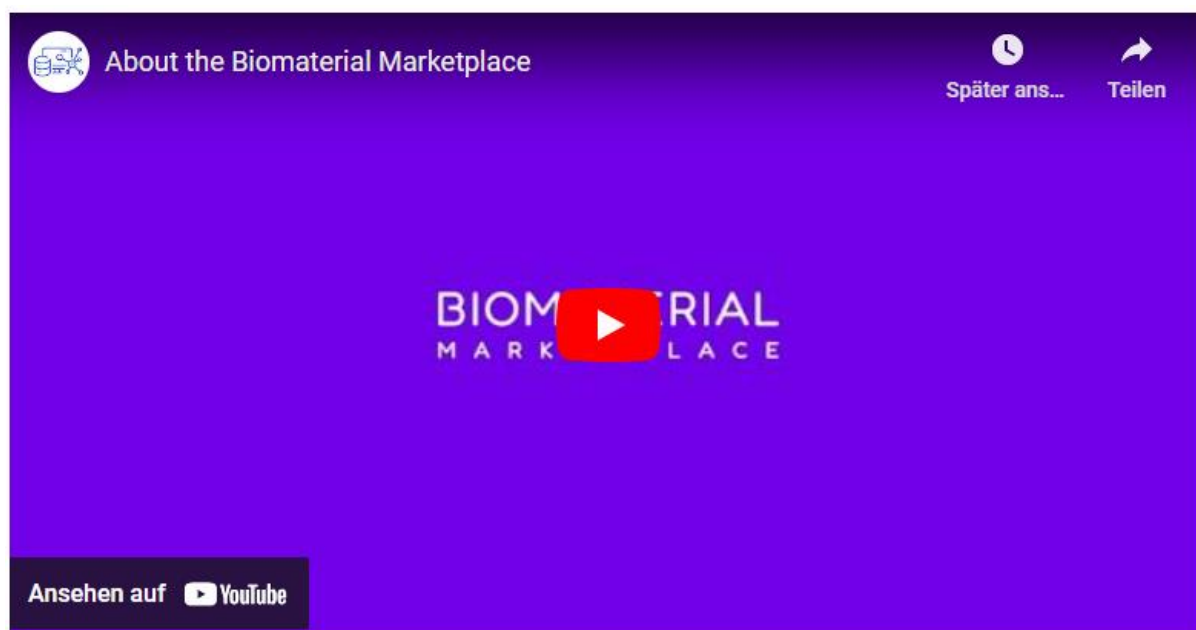
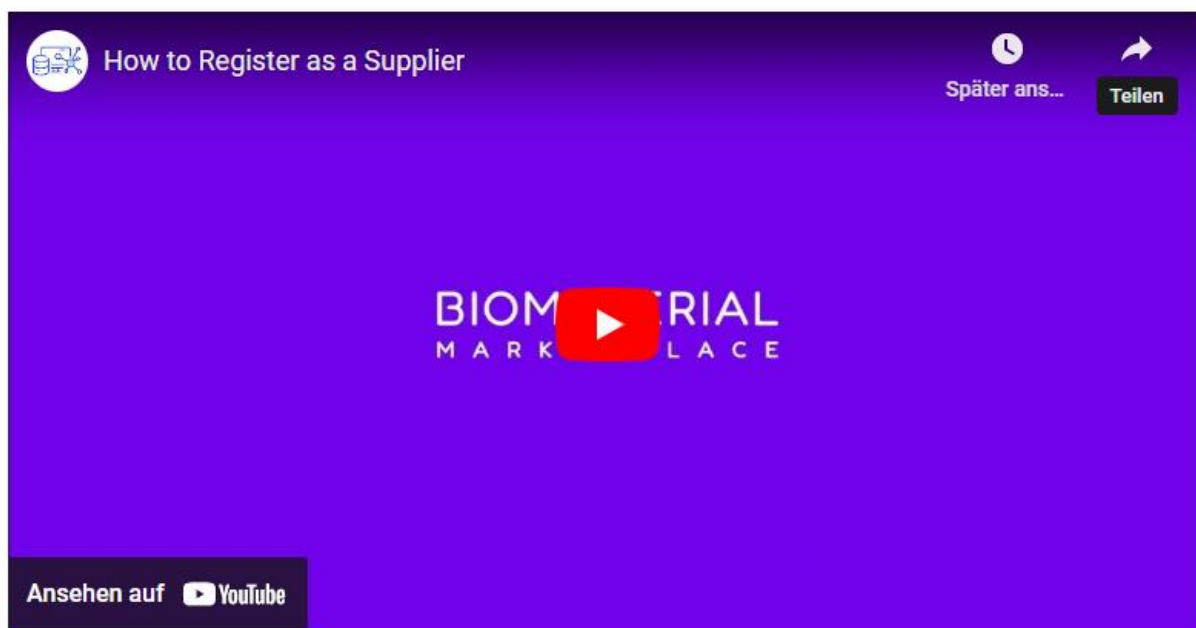


Figure 29. BIOMATERIAL MARKETPLACE Stationery



Link: <https://youtu.be/PcJV3n9-7HI>



Link: <https://youtu.be/gohQXmxzIUA>

Figure 30. BIOMATERIAL MARKETPLACE Promotional Videos

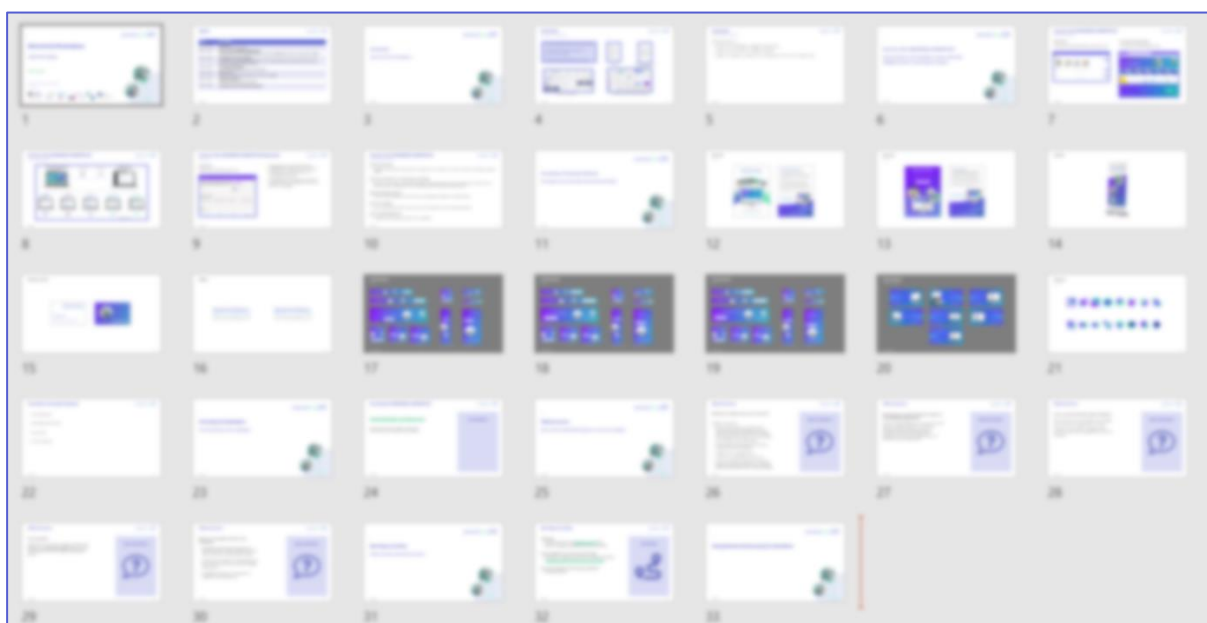


Figure 31. Train-the-Trainer Presentation (Marketplace Promotion)

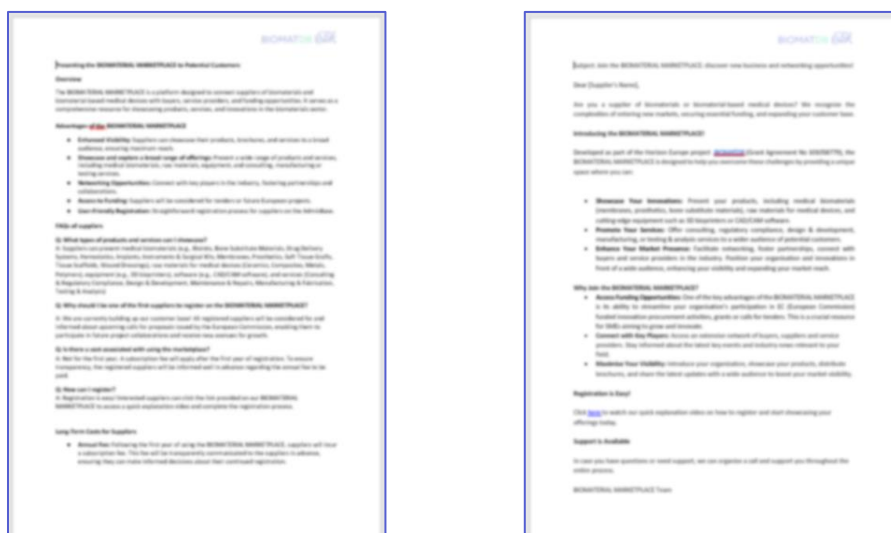


Figure 32. Email Template & One Pager (Marketplace Promotion)

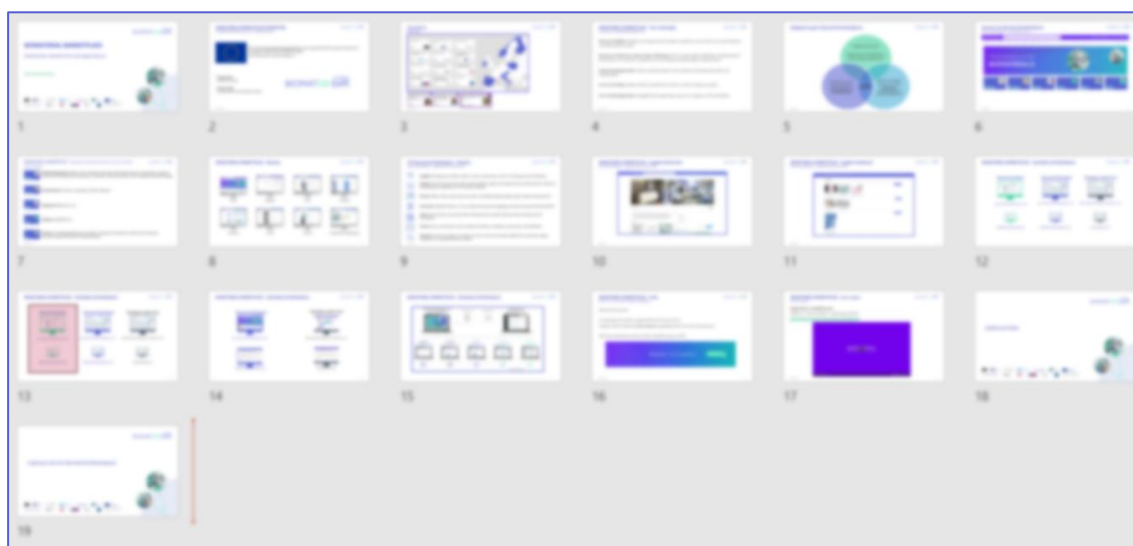


Figure 33. Supplier Presentation (Marketplace Promotion)

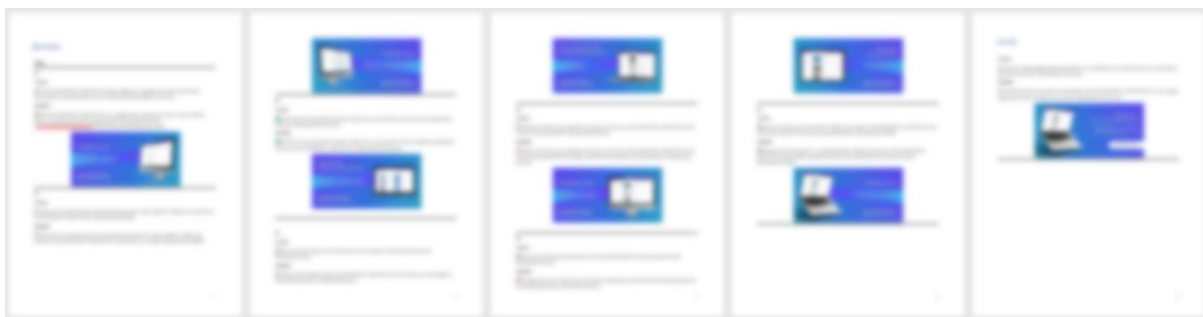


Figure 34. Social Media Postings (Marketplace Promotion)

5.5 Banners on the BIOMATERIAL MARKETPLACE

The screenshot displays the BIOMATERIAL MARKETPLACE Frontend interface. The top navigation bar includes links for CATEGORIES, SUPPLIERS, PRODUCTS, SERVICES, DOCUMENTS, SCENARIOS, EVENTS, and NEWS. A search bar is located on the right. The main content area is divided into two columns: Medical Application and Anatomical Region.

Medical Application

Special Applications

- Regenerative Medicine
- Tissue Engineering
- Drug Delivery

Medical Specialties

- Neurology
- Ophthalmology
- Plastic Surgery
- Orthopaedics
- Dermatology
- Gynaecology
- Internal Medicine
- Otolaryngology
- Urology
- Dentistry
- Cardiology

Anatomical Region

Head

- Jaw
- Nose
- Ears
- Eyes

Body

- Hips
- Arms
- Torso
- Legs

Results: 1-22 of 22

Register for the newsletter Your email address

AdminBase
Register your Organisation

How to Start:

- Register as a supplier
- Verify your account
- Build your Profile
- Showcase your products and more.

Are you a product or service supplier?

[sign up now](#)

If you are already a member login [here](#).

Figure 35. Banners and images for the BIOMATERIAL MARKETPLACE Frontend (1/2)

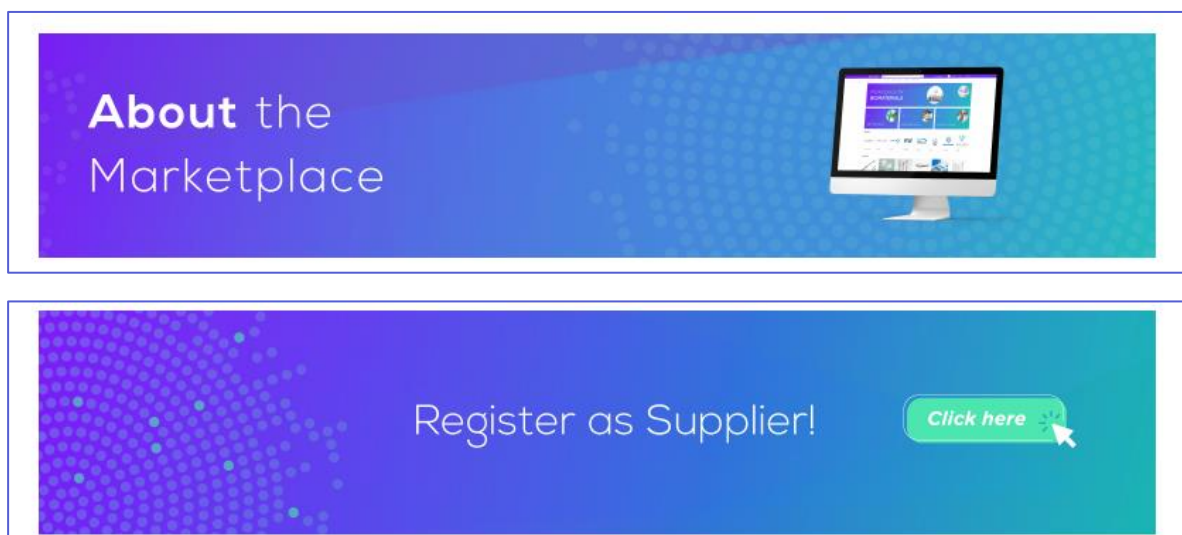


Figure 36. Banners and images for the BIOMATERIAL MARKETPLACE Frontend (2/2)