



D8.4 DISSEMINATION MATERIALS, WEBSITE, SOCIAL NETWORKS AND DISSEMINATION ACTIVITIES

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D8.4 DISSEMINATION MATERIALS, WEBSITE, SOCIAL NETWORKS AND DISSEMINATION ACTIVITIES

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Abstract	This document titled “Dissemination materials, website, social networks and dissemination activities” (D8.4) presents the visual identity, marketing materials, visual content and KPIs status updates related to the website, social networks, and dissemination of DiMAT . It visually demonstrates the efforts behind the project's promotion and engagement activities and complements the DiMAT Communication and Dissemination Strategy, detailed in a separate document, according to the project's grant agreement.
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EXECUTIVE SUMMARY

This document titled “Dissemination materials, website, social networks and dissemination activities” (D8.4) presents the visual identity, marketing materials and visual content related to the website, social networks, and dissemination activities of **DiMAT**, an EU funded project poised to revolutionize the European materials industry by offering an innovative set of advanced technologies through its Open Digital Tools.

The content demonstrated here was created during the first half of the project from M1 until M18. Materials are constantly being updated according to the project’s communication strategy objectives and phases, and according to the adaptation needs based on stakeholder engagement levels and feedback.

This deliverable referred to as “DEC - Websites, patent filings, videos, etc.” visually demonstrates the efforts behind the project’s promotion and engagement activities. It complements the **DiMAT** Communication and Dissemination Strategy, detailed in a separate document, according to the project’s grant agreement.

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ABBREVIATIONS

AI	Artificial Intelligence
CEN	European Standardisation Committee
CWA	CEN Workshop Agreement
M	Month
ODT	Open Digital Tools
PR	Public Relations
SME	Smart Manufacturing Environments
SME	Small-Medium Enterprise
T	Task

1 INTRODUCTION

This document titled “Dissemination Materials, Website, Social Networks and Dissemination Activities” D8.4 serves as a visual representation of the project communication and dissemination efforts conducted during the first half of the project implementation. The document showcases the strong visual identity and project presence established by utilizing its website and some of the core social media channels available. It additionally gives a visual representation and reference to **DiMAT** strong physical presence through consistent attendance at relevant events and the materials created for them. It creates a reference to the **DiMAT** community established to reach out to a pool of early adopters and collaborators who will support the development of the **DiMAT** tools. The **DiMAT** community is established on the F6S page – the largest platform for founders and startups and as well has a dedicated section on the **DiMAT** website. The document also provides a dedicated section on the status of the project’s associated communication and dissemination KPIs with elaborate explanation on current and future work planned.

The document is structured as follows:

- Section 1: Introduction to the document.
- Section 2: Visual Identity
- Section 3: Dissemination materials
- Section 4: Website
- Section 5: Social networks
- Section 6: Dissemination activities
- Section 7: Scientific articles access
- Section 8: Status of Associated KPIs
- Section 9: Concluding remarks

2 VISUAL IDENTITY

The visual identity of **DiMAT** was developed during the initial months of the project, undergoing multiple iterations to best reflect its focus on digital tools and innovation in material manufacturing. The final design includes both modernity and professionalism. Detailed guidelines regarding the visual identity are provided in the **DiMAT** Visual Identity Guidelines, accessible to all partners through the project's repository.

2.1 LOGO

The **DiMAT** logo from the proposal stage was redesigned in a way to portray the strong brand of the project while being simple, clean, and structured.

The design elements and symbolism can be described as follows:

- **3D Effect:** The symbol used in the design projects a 3D effect. This effect is likely employed to visually communicate **DiMAT**'s focus on researching material digital properties. The 3D effect suggests depth and dimension, alluding to the exploration of digital manufacturing technologies and their impact on materials.
- **Oblique Square Base:** The base of the symbol is described as an oblique square, resembling a plane in a 3D program. This choice of shape further emphasizes the connection to digital design and modelling. It symbolizes the project's involvement in the virtual realm and its focus on the digital aspects of manufacturing.
- **Mirrored Letterforms:** Inside the oblique square base, there are three mirrored letterforms, specifically the letter "D." This design element symbolically connects to the project's name, **DiMAT**. The mirrored and overlapping nature of the letterforms adds complexity to the symbol, reflecting the extensive research and depth of the project's objectives.

Overall, the design elements and symbolism of the website reflect **DiMAT**'s objectives by combining credible institutional tones with vibrant teal tones to represent innovation. The 3D effect and the oblique square base communicate the project's connection to digital manufacturing and its focus on material digital properties. The mirrored letterforms reinforce the project's name and convey the complexity and dimensionality of the research being conducted.

Eight logo versions (horizontal, horizontal with signature, black, white, monochromatic on two different backgrounds, on dark and bright colors background) were produced.



Figure 1: DiMAT logo

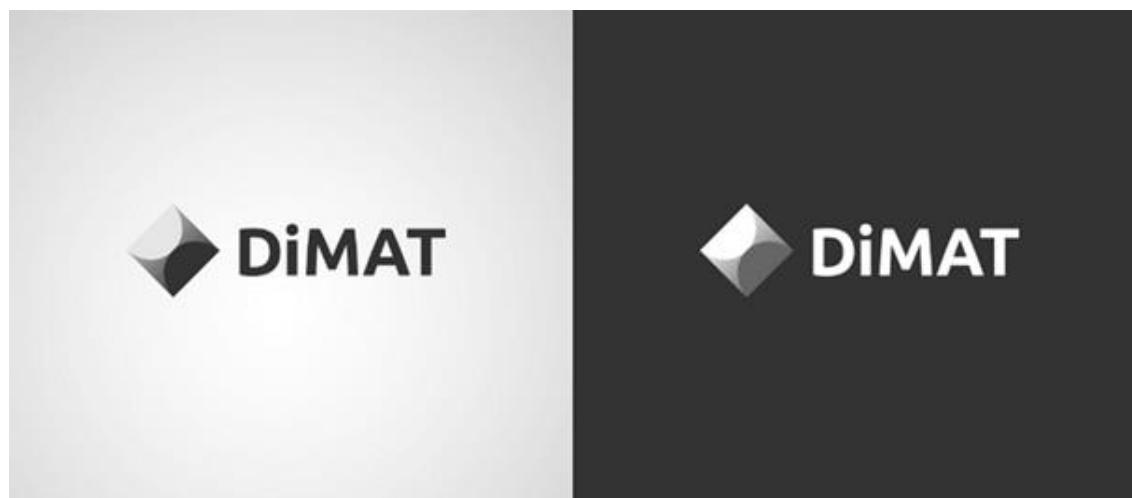
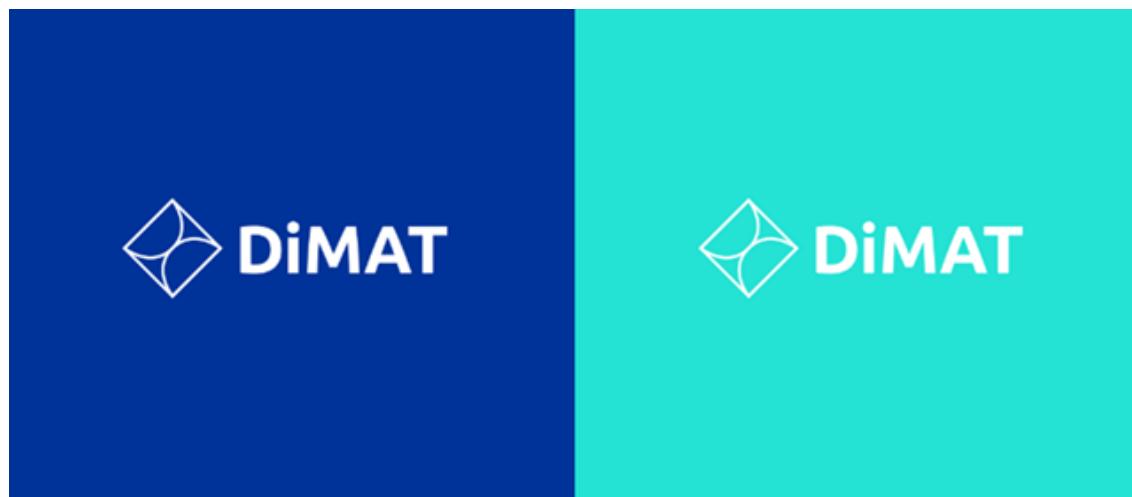


Figure 2: DiMAT logo background

2.2 COLOUR PALETTE

The DiMAT project is using the following color palette with 3 colors in total:

- Turquoise Blue: #24e2d4
- Dark Powder Blue: #003399
- Linear Gradient: 100% - 10%



Figure 3: DiMAT Color Palette

Dark Blue: The use of dark blue as a primary color conveys a credible and institutional tone. This color choice signifies the project's aim to establish a standard in digital manufacturing research. It suggests reliability, professionalism, and expertise, positioning DiMAT as a reference in the field.

Light Tone in Vibrant Teal: The inclusion of a light tone in vibrant teal serves to complement the institutional side with an innovative touch. Teal is often associated with technology and the digital world. By incorporating this color, the website symbolically contextualizes DiMAT's quest for innovation and its connection to the digital realm.

2.3 TYPOGRAPHY

The DiMAT project is using **Ubuntu Bold** and **Open Sans Semibold** font.

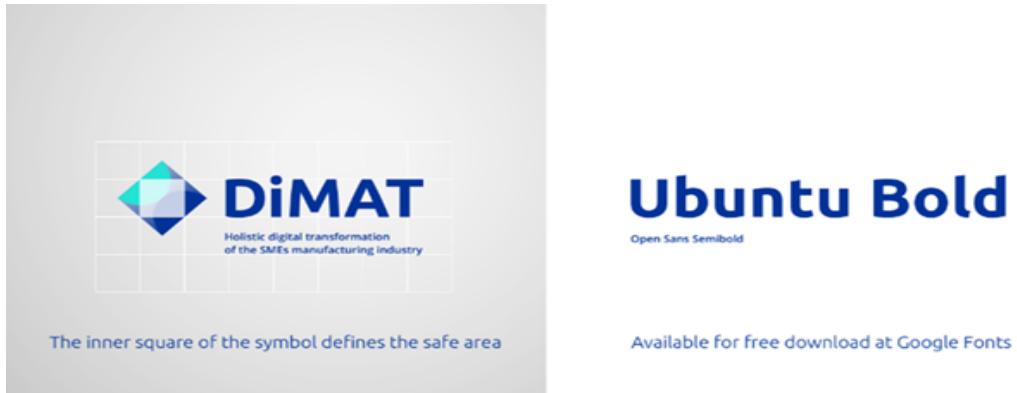


Figure 4: [DiMAT](#) Typography

The typography choices of the project can be described as follows:

Simple and Clean Font: The project opts for a simple and clean font, which reflects a brand that operates with focus, professionalism, and a methodical approach. Such typography suggests clarity, precision, and an attention to detail. It aligns with the project's objectives of establishing itself as a credible reference in the digital manufacturing research field.

Slight Curves in Font: The inclusion of slight curves in the font, particularly in places where straight lines would be expected, adds a touch of innovation and improvement. These curves serve as an ode to the project's commitment to pushing boundaries, exploring new ideas, and constantly evolving. The subtle deviation from straight lines communicates a sense of creativity, flexibility, and forward-thinking.

By combining a simple and clean font with slight curves, the typography contributes to the project's visual identity by presenting a balanced blend of professionalism and innovation. It conveys a message of focused expertise while also signaling a willingness to embrace change and drive advancements in the digital manufacturing research field.

3 DISSEMINATION MATERIALS

The primary goal of dissemination materials in the **DiMAT** project is to effectively communicate key messages to the target audience, thereby increasing awareness, generating interest, and ultimately driving desired actions.

These materials provide valuable information about the project. Ultimately, the goal is to inspire action, whether it's attending an event, subscribing to a newsletter or interaction and feedback for the **DiMAT** solutions, thereby contributing to the project's overall success and objectives.

3.1 PRINTING MATERIALS

- **Roll-up, Poster, and Flyer:**

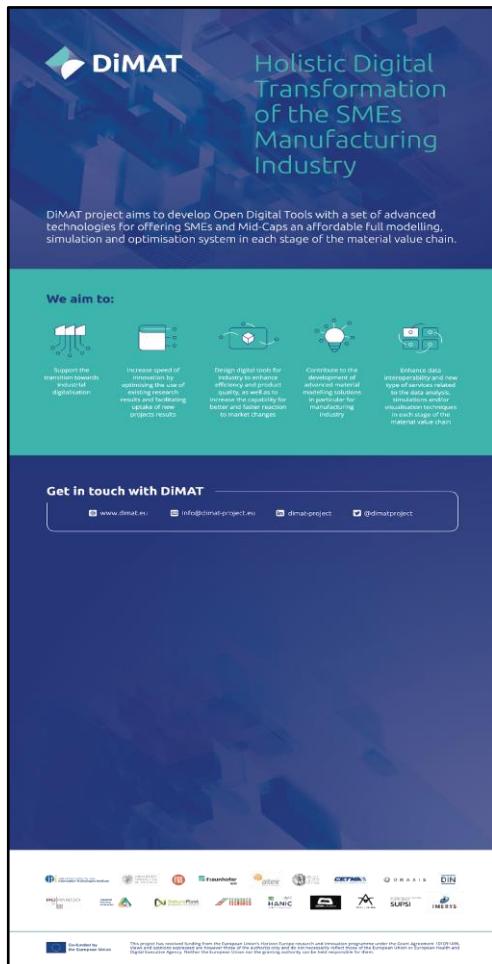


Figure 5: DiMAT Roll-up



Figure 6: DiMAT Poster



Figure 7: DiMAT Flyer

3.2 PRESENTATIONS



Figure 8: DiMAT Presentation

3.3 WEBSITE BLOG PUBLICATIONS

In the **DiMAT** website, the blog section is introduced under “News”. This tab presents press releases, news, and articles, providing a holistic view of what is currently happening in the project.

The section, [Press Releases and News](#) plays a pivotal role in showcasing the significance of the **DiMAT** project. By strategically publishing news content on the website, **DiMAT** can effectively communicate its innovations, present its partners, and foster collaboration. This information not only enhances the visibility of the project but also contributes to advancing the dialogue on digital manufacturing solutions.

Below you can find a snapshot of **DiMAT** blog publications available and constantly updated on the **DiMAT** website:

NEWS/PRESS RELEASE	DESCRIPTION	SCREENSHOT
DIGITAL MODELLING AND SIMULATION FOR DESIGN, PROCESSING AND MANUFACTURING OF ADVANCED MATERIALS PR, NEWS SECTION	ARTICLE ABOUT THE DiMAT PROJECT: AN INTRODUCTION TO ITS OBJECTIVES AND PARTNERS.	
MEET THE PARTNERS MEET THE PARTNERS SECTION	CATEGORY FOR THE GENERAL PUBLIC TO KNOW THE PARTNERS: CERTH, F6S, FRAUNHOFER, AITEX, NTUA, CETMA, DRAXIS, DIN, ROPARDO, AMS, NATUREPLAST, TECNORED, HEGLA-HANIC GMBH, CETMA COMPOSITES, ACCELIGENCE LTD, SUPSI, IMERYS,	

<p><u>DiMAT PROJECT – FIRST CONSORTIUM MEETING</u></p> <p>PR, NEWS SECTION</p>	<p>ARTICLE ABOUT THE FIRST CONSORTIUM MEETING OF THE DiMAT PROJECT THAT TOOK PLACE ON JULY 11 AND 12 IN LUGANO, SWITZERLAND. THE MEETING WAS ORGANIZED IN A HYBRID FORMAT.</p>	 <p>DiMAT Project – First Consortium Meeting</p> <p>© Jul 27, 2022 olivierandrea@bluewin.ch</p> <p>The recent article: First consortium meeting of the DiMAT project took place on July 11 and July 12 in Lugano, Switzerland. The meeting was successfully organized in a hybrid format, allowing participants the flexibility to attend either in person at the esteemed premises of The University of Applied Sciences and Arts of Southern Switzerland (SUPSI) or virtually.</p> <p>During the meeting, the DiMAT Consortium seized the opportunity to showcase the progress achieved in each work package. Furthermore, engaging discussions were held to deliberate upon the future steps and strategic direction of the project.</p> <p>The conclusion of the consortium meeting was that DiMAT is on a good path to revolutionize the field of advanced materials by developing open digital tools that offer SMEs and R&D-Cap companies an affordable full modeling, simulation, and optimization system in each stage of the material value chain with data analysis services and visualization techniques for improving quality, sustainability, effectiveness, and competitiveness of materials.</p>
<p><u>UNLOCKING THE FUTURE OF MATERIALS INDUSTRY: DiMAT's FIRST WEBINAR ON OPEN DIGITAL TOOLS</u></p> <p>PR, NEWS SECTION</p>	<p>TEASER TO THE FIRST DiMAT WEBINAR WHICH WAS ON THE 14TH FEBRUARY. THIS EVENT UNRAVELED CHALLENGES FACED BY SMEs IN THE MATERIALS INDUSTRY, EXPLORED THE OPPORTUNITIES PRESENTED BY OPEN DIGITAL TOOLS, AND UNDERSTOOD THE ADDED VALUE OF THE DiMAT SUITES.</p>	 <p>Advanced Digital Tools in Materials</p> <p>Webinar on 14 Feb 2023 10:00 PM (CET) 08:00 PM (CET)</p> <p>Unlocking the Future of Materials Industry: DiMAT's First Webinar on Open Digital Tools</p> <p>© Jan 11, 2024 olivierandrea@bluewin.ch</p> <p>In the fast-evolving landscape of the materials industry, innovation is the driving force, and DMAT stands as a beacon at the forefront of this transformative journey.</p> <p>Join us on February 14th for DiMAT's first-ever webinar tailored exclusively for SMEs. This event promises to unravel challenges faced by SMEs in the materials industry, explore the opportunities presented by Open Digital Tools, and understand the added value of the DiMAT Suites.</p> <p>This is your chance to gain insights into how DiMAT Suites will provide support tailored precisely to your needs.</p> <p>What's in store for you?</p> <ul style="list-style-type: none"> Dive deep into the vast opportunities powered by digital technologies, and understand how these can reshape the materials industry. Learn about DiMAT's pioneering solutions, specifically the development of DiMAT Suites, designed to streamline your work processes and lead to significant time and cost savings. <p>How Can DiMAT Support You?</p>
<p><u>DiMAT's FIRST WEBINAR ON ADVANCED DIGITAL TOOLS FOR MATERIALS MANUFACTURING</u></p> <p>PR, NEWS SECTION</p>	<p>DISSEMINATE DiMAT'S FIRST WEBINAR DOING A LITTLE RESUME ABOUT IT AND ALLOWING THE PUBLIC TO KNOW HOW TO SEE IT VISIT OUR YOUTUBE CHANNEL.</p>	 <p>Webinar # 1 Advanced digital tools in materials</p> <p>14 Feb 2024</p> <p>DiMAT's first webinar on Advanced digital tools for materials manufacturing</p> <p>© Feb 14, 2024 olivierandrea@bluewin.ch</p> <p>In the dynamic landscape of materials manufacturing, small and medium-sized enterprises (SMEs) face unique challenges in staying competitive while navigating evolving technologies. At DiMAT, we recognize these challenges and are committed to providing comprehensive digital solutions tailored to support SMEs across various sectors, including polymer, glass, composite and graphite manufacturing.</p> <p>Our first webinar on Advanced Digital Tools in Materials, held on 14th February, introduced our DiMAT Suites and how they can revolutionize the way you work. Our speakers from Graphene, Composite and Graphite – regardless of your focus – digital suites are here to support you. We also gathered feedback from participating companies. These insights and experiences are helping us in refining our solutions.</p> <p>Additionally, during the session, we announced the upcoming launch of the DiMAT Community – an online platform designed for early adopters. Set to be launched next week on 16th, the DiMAT platform for founders worldwide, the DiMAT Community will serve as a hub for SMEs to access a wealth of resources and support.</p> <p>Within the DiMAT Community, SMEs can benefit from regular updates on our digital solutions, alongside curated content addressing the specific challenges and opportunities within materials manufacturing. From webinars to expert webinars, and even virtual consulting events for direct interaction with industry experts, the DiMAT Community aims to provide SMEs with the critical information and support they need to thrive.</p> <p>In 2024, we will launch a call for early adopters within our community, offering companies the opportunity to engage with our solutions firsthand. This initiative will enable SMEs to experience the benefits of digital tools first-hand, accelerating their production process, research excellence, and growth.</p> <p>Our goal is not just providing digital solutions – we're building a community-driven ecosystem that empowers SMEs in materials manufacturing to succeed in an ever-evolving landscape.</p> <p>Join us on this journey towards innovation, efficiency, and growth.</p> <p>If you missed the chance to see our webinar, don't worry and click on the link below.</p> <p>Check our webinar</p>

<p><u>FRAUNHOFER IWM IN 1ST VMAP USER MEETING 2024</u></p> <p>PR, NEWS SECTION</p>	<p>RESUME OF THE 1ST VMAP USER MEETING 2024 IN GERMANY WHERE FRAUNHOFER IWM PARTICIPATED IN THE CONTEXT OF MODA AND CHADA (CRUCIAL FOR ENSURING COMPLIANCE WITH EXISTING STANDARDS AND CWAs.)</p>	 <p>Fraunhofer IWM in 1st VMAP User Meeting 2024</p> <p>May 13, 2024 By Sara Canale</p> <p>Location: Saint Augustin, Germany.</p> <p>The 1st VMAP User Meeting 2024 underscored the pivotal role of standardization in the digitalization landscape. This gathering, hosted by the VMAP consortium, provided a platform for industry professionals to converge, exchange ideas, and propel the development of the VMAP Standard.</p> <p>Fraunhofer IWM, one of the partners in the DiMAT project, presented their latest findings and activities related to MODA and CHADA, which are crucial for ensuring compliance with existing standards and CWAs. By integrating these elements into DiMAT's activities, the project aims to foster interoperability, contributing to shaping industry standards.</p> <p>The meeting drew a diverse array of participants, including engineers, researchers, developers, and representatives from the VMAP Standards Community (MAP SC) and ITA (Innovation Technology for European Advanced) program.</p> <p>The topics included: sensor data storage, full model storage, and material data transfer in additive manufacturing processes.</p> <p>Fraunhofer IWM's active participation exemplified their dedication to driving progress and leveraging collective expertise for the advancement of digitalization in the material value and manufacturing chain.</p> <p>For more information about the event and Fraunhofer IWM's contributions, please click the button below.</p> <p>Visit the Event Website</p>
<p><u>UPV AT GLASS FORMING PROCESS SIMULATION AT I-ESA 2024</u></p> <p>PR, NEWS SECTION</p>	<p>RESUME OF THE 12TH INTERNATIONAL CONFERENCE ON INTEROPERABILITY FOR ENTERPRISE SYSTEMS AND APPLICATIONS (I-ESA 2024) WHERE UPV, DiMAT'S PARTNER, PARTICIPATED WITH A COMPELLING PRESENTATION ENTITLED: "DIGITAL TOOLS FOR MODELING AND SIMULATION OF GLASS FORMING PROCESS,"</p>	 <p>UPV at Glass Forming Process Simulation at I-ESA 2024</p> <p>May 13, 2024 By Sara Canale</p> <p>Location: Crete, Greece.</p> <p>From the 10th to the 12th of April 2024, the 12th International Conference on Interoperability for Enterprise Systems and Applications (I-ESA 2024) provided a stage for innovators to convene, collaborate, and share insights on enhancing interoperability in enterprise systems and applications.</p> <p>Among the participants was Universitat Politècnica de Valencia (UPV), a key partner in the DiMAT project. At the forefront of UPV's involvement were Juanma Serrano Torregrosa and Harrison de la Rosa Ramirez.</p> <p>Harrison de la Rosa Ramirez delivered a compelling presentation titled "Digital Tools for Modeling and Simulation of Glass Forming Process," offering a glimpse into the cutting-edge developments within the DiMAT Project and one of its pillars, through which the latest digital solutions will be tested directly by the industry.</p> <p>Specifically, the presentation delved into the current stage of the MPS (Modeling and Simulation) toolkit development, discussing UPV's dedication to advancing the field of glass forming and simulation processes.</p> <p>In his work, Harrison de la Rosa Ramirez highlighted the importance of digitizing the glass-forming methodology for simulating the glass-forming process. Utilizing a combination of freely available tools, he outlined an approach to reduce human error and minimize machine energy consumption during manufacturing. This approach provides a dependable pathway for predicting glass behavior under specific processing conditions, which can be replicated, adjusted, and tailored as per requirements.</p> <p>As DiMAT celebrates a remarkable month of active engagement in prestigious conferences, UPV's impactful presence at I-ESA 2024 serves as a testament to our commitment to advancing digitalization in materials engineering.</p> <p>For more information about the event and UPV's contributions, please click the button below.</p> <p>Visit the Event Website</p>

<p><u>NTUA AND FRAUNHOFER IWM NEW ARTICLE: "DIGITAL TWIN MEETS KNOWLEDGE GRAPH FOR INTELLIGENT MANUFACTURING PROCESSES"</u></p> <p>PR, NEWS SECTION</p>	<p>THE NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA) AND FRAUNHOFER IWM PUBLISHED AN ARTICLE ENTITLED: "DIGITAL TWIN MEETS KNOWLEDGE GRAPH FOR INTELLIGENT MANUFACTURING PROCESSES", PUBLISHED IN THE SENSORS JOURNAL ON THE 19TH OF APRIL.</p>	 <p>NTUA and Fraunhofer IWM new article: "Digital Twin Meets Knowledge Graph for Intelligent Manufacturing Processes"</p> <p>May 19, 2024 Sara Carvalho</p> <p>Exciting news emerges from the National Technical University of Athens (NTUA) and Fraunhofer IWM. They unveiled their latest article, "Digital Twin Meets Knowledge Graph for Intelligent Manufacturing Processes", published in the Sensors Journal on the 19th of April.</p> <p>The article introduces an innovative concept: combining knowledge graphs (KG) with digital twins (DT). This approach could revolutionise manufacturing by providing a comprehensive overview of how materials are utilised in industrial processes. By integrating these technologies, businesses can make more informed decisions and optimise their operations for greater efficiency and effectiveness.</p> <p>Importantly, the work presented in the article represents a significant milestone in the ongoing research efforts within the DiMAT project, specifically focusing on the development of two key tools: part of the DiMat Suite. The Digital Twin is a virtual digital version of real devices, including abstracted functions and behaviour, that represent the real and simulated manufacturing processes, and the Knowledge Acquisition Framework (process of structuring and managing data about materials, their attributes, and connections in a Knowledge Graph format). By delivering open-source software solutions, DiMAT is helping small businesses overcome obstacles and is promoting innovation and competitiveness in manufacturing.</p> <p>The publication of this article marks a crucial step forward in the quest for intelligent manufacturing processes, driven by collaboration, innovation, and a commitment to open access and inclusivity. As the industry continues to embrace digital transformation, initiatives like DiMAT stand at the forefront, shaping the future of manufacturing through cutting-edge research and technology.</p> <p>For more details of this pioneering work, the article is available in the button below:</p> <p>Read the Article</p>
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Table 1: DiMAT website blog publications

3.4 NEWSLETTERS

On the homepage of the website, interested parties have the possibility to subscribe to the DiMAT newsletter and get the latest insights of the project. See Figure 9 below:

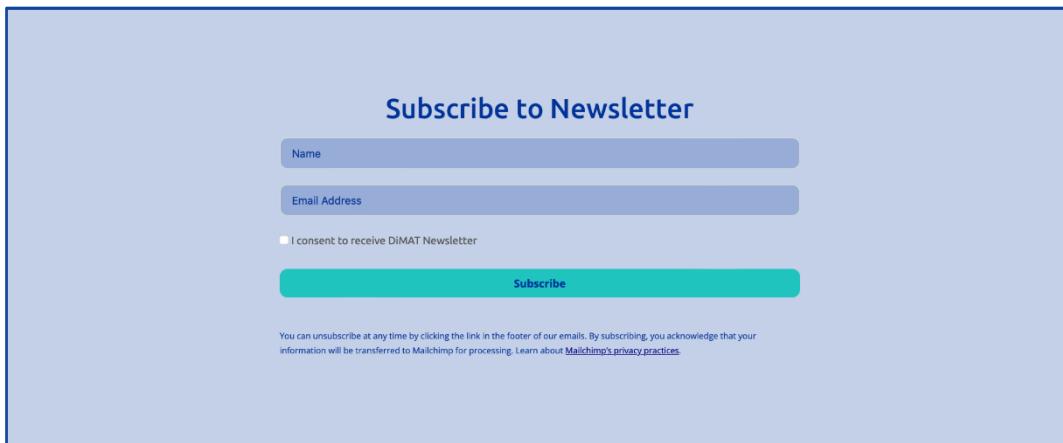


Figure 9: DiMAT Section Newsletter Subscription

The biannual electronic newsletter distributed to stakeholders through the DiMAT website is a vital component in ensuring the sustainability of the project. By regularly updating stakeholders on progress, milestones, and upcoming initiatives, the newsletter fosters a sense of ongoing engagement and transparency.

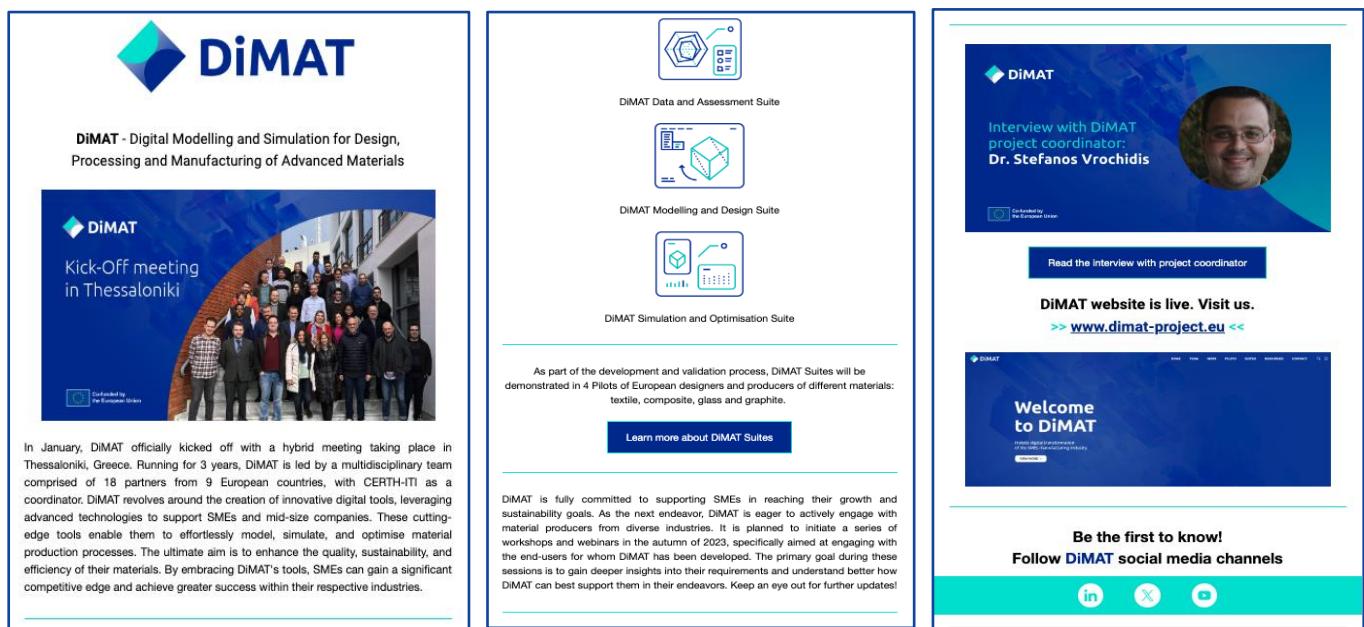
A mailing distribution list is defined to distribute information related to DiMAT via email to increase the availability and visibility of DiMAT findings. The first newsletter was sent in M7

of the project with an aim to increase the project's awareness and promote the DiMAT website.

The second newsletter was sent in M12 of the project, focusing on relevant updates, including the launch of the sister projects' collaboration and highlighting the upcoming webinar piloting the DiMAT solutions to the wider audience.

The structure of the newsletter is being developed according to the project's up-to-date activities, and it contains the following information:

- DiMAT newsletter banner,
- Newsletter title and introduction,
- Project highlights,
- Project updates,
- Partner's information
- Sister projects information,
- Events,
- Social media call to action.



The screenshot displays the first newsletter in three columns. The left column features a photo of the Kick-Off meeting in Thessaloniki and a text block about the project's goals and partners. The middle column highlights the DiMAT Suites: Data and Assessment Suite, Modelling and Design Suite, and Simulation and Optimisation Suite. The right column includes an interview with the project coordinator, a link to the website, and social media links.

DiMAT - Digital Modelling and Simulation for Design, Processing and Manufacturing of Advanced Materials

Kick-Off meeting in Thessaloniki

In January, DiMAT officially kicked off with a hybrid meeting taking place in Thessaloniki, Greece. Running for 3 years, DiMAT is led by a multidisciplinary team comprised of 18 partners from 9 European countries, with CERTH-ITI as a coordinator. DiMAT revolves around the creation of innovative digital tools, leveraging advanced technologies to support SMEs and mid-size companies. These cutting-edge tools enable them to effortlessly model, simulate, and optimise material production processes. The ultimate aim is to enhance the quality, sustainability, and efficiency of their materials. By embracing DiMAT's tools, SMEs can gain a significant competitive edge and achieve greater success within their respective industries.

DiMAT Data and Assessment Suite

DiMAT Modelling and Design Suite

DiMAT Simulation and Optimisation Suite

As part of the development and validation process, DiMAT Suites will be demonstrated in 4 Pilots of European designers and producers of different materials: textile, composite, glass and graphite.

[Learn more about DiMAT Suites](#)

DiMAT is fully committed to supporting SMEs in reaching their growth and sustainability goals. As the next endeavor, DiMAT is eager to actively engage with material producers from diverse industries. It is planned to initiate a series of workshops and webinars in the autumn of 2023, specifically aimed at engaging with the end-users for whom DiMAT has been developed. The primary goal during these sessions is to gain deeper insights into their requirements and understand better how DiMAT can best support them in their endeavors. Keep an eye out for further updates!

Interview with DiMAT project coordinator: Dr. Stefanos Vrochidis

[Read the interview with project coordinator](#)

DiMAT website is live. Visit us.
[>> www.dimat-project.eu <<](http://www.dimat-project.eu)

Welcome to DiMAT

Be the first to know!
 Follow DiMAT social media channels

[in](#) [X](#) [yt](#)

Figure 10: DiMAT First Newsletter



DiMAT

DiMAT - Digital Modelling and Simulation for Design, Processing and Manufacturing of Advanced Materials

Dear Reader,

Welcome to the second DiMAT newsletter of 2023!

In this edition, you will discover:

- DiMAT's vibrant community for SMEs in material manufacturing and how you can make the most of it:
 - Be part of our Community on the global [FBS Platform](#), set to launch in early 2024.
 - Join us for our first webinar: "Advanced Digital Tools in Materials," scheduled for February.
- The exciting synergy cultivated with the PIONEER and metaManufacturing projects.
- Key insights and takeaways from renowned conferences and forums where DiMAT has actively participated.
- Manufacturing Events You Don't Want To Miss in 2024

So, stick around for some good minutes of enjoyable reading. ☺

Wishing you a wonderful holiday season filled with joy and warmth!



DiMAT - Digital Modelling and Simulation for Design, Processing and Manufacturing of Advanced Materials

DiMAT Community on the [FBS Platform](#)

STAY TUNED!

We're thrilled to introduce the DiMAT Community Platform, your go-to central hub for a myriad of community-building initiatives. From engaging workshops and webinars to thought-provoking discussions, this platform is designed to bring together a diverse community.

Our Mission:

The goal is clear — to cultivate a community of peers in the materials design, modelling, and simulation domains. We aim to foster meaningful interactions, facilitate knowledge exchange, uncover synergies, and deliver the ultimate value to our members.

Tailored for SMEs:

Specifically crafted for SMEs in materials, the Community Platform serves as a dynamic space for the exchange of information. It's a dedicated environment designed to propel the advancement and utilization of DiMAT solutions. By utilizing the DiMAT Community Platform, we establish connections with early adopters and end-users of DiMAT solutions. Selected participants will receive exclusive benefits, such as premium deals on DiMAT solution usage, services, and expert support.

Empowering Through Collaboration:

Through the DiMAT Community Platform, we empower SMEs to actively contribute to the development of DiMAT suites. Your insights are invaluable, ensuring that our solutions are precisely tailored to meet your unique needs.

Join us on this exciting journey of community-building and knowledge sharing!

STAY TUNED FOR THE LAUNCH IN EARLY 2024!



Advanced Digital Tools in Materials

Wednesday 14 Feb 2023 | 13:00 CET - 2:30 PM (CET)



Unlock the Future of Materials Industry: Dive into the opportunities presented by Open Digital Tools with DiMAT on February 14!

Join us for our first webinar tailored for SMEs, where we'll unravel the challenges and unlock exciting opportunities through digitalisation in the materials industry. Discover how Open Digital Tools can streamline your work, saving both time and money. Gain insights into how DiMAT Suites will provide support tailored to your needs.

What's in store for you?

- Explore the opportunities powered by digital technologies.
- Learn how DiMAT is pioneering solutions through the development of DiMAT Suites, set to revolutionise your way of working.

How can DiMAT support you?

Gain insights into how our DiMAT Suites match your requirements and explore the transformative impact these solutions can have on your operations. In this brief webinar, we'll collect your feedback to shape our solutions, ensuring that our Toolkits and Suites precisely meet the market's demands.

Let's Revolutionise the Materials Industry together, one solution at a time.

[REGISTER HERE](#)



DiMAT Simulation and Optimisation Suite

SYNTERGY CREATION WITH SISTER PROJECTS



We are pleased to announce the commencement of a unique collaboration between DiMAT, PIONEER and metaManufacturing Project — the trio selected under call: A DIGITISED, RESOURCE-EFFICIENT, AND RESILIENT INDUSTRY 2022 (HORIZON-CL4-2022-RESILIENCE-01).

These three visionary projects share a common goal: to revolutionise the manufacturing industry using innovative digital tools for material process development.

DIMAT NEWS & EVENTS

In the following lines, explore DiMAT's latest News and Events that have played a pivotal role in cultivating meaningful discussions and strategies, propelling our journey toward the holistic digital transformation of the SMEs manufacturing industry.



DiMAT had an exceptional presence at the Euro Nano Forum in Sweden.

Euro Nano Forum 2023 was focused on identifying policy options and priorities, and on planning future actions regarding European activities in nanoscience and nanotechnology.

Figure 11: DiMAT Second Newsletter

4 WEBSITE

The DiMAT website is available on www.dimat-project.eu and it serves as a comprehensive platform offering vital information regarding the project. Here, visitors can delve into various aspects of the initiative, including its identity, mission, team composition, statistical insights, latest news, press releases, media kit, and additional pertinent details. Accessing the website is essential for gaining a thorough understanding of the DiMAT project and its objectives.

4.1 OBJECTIVES AND SCOPE

The website is designed in a way to introduce the project, as well as to provide all relevant, up-to-date information to the main target audience and the general public.

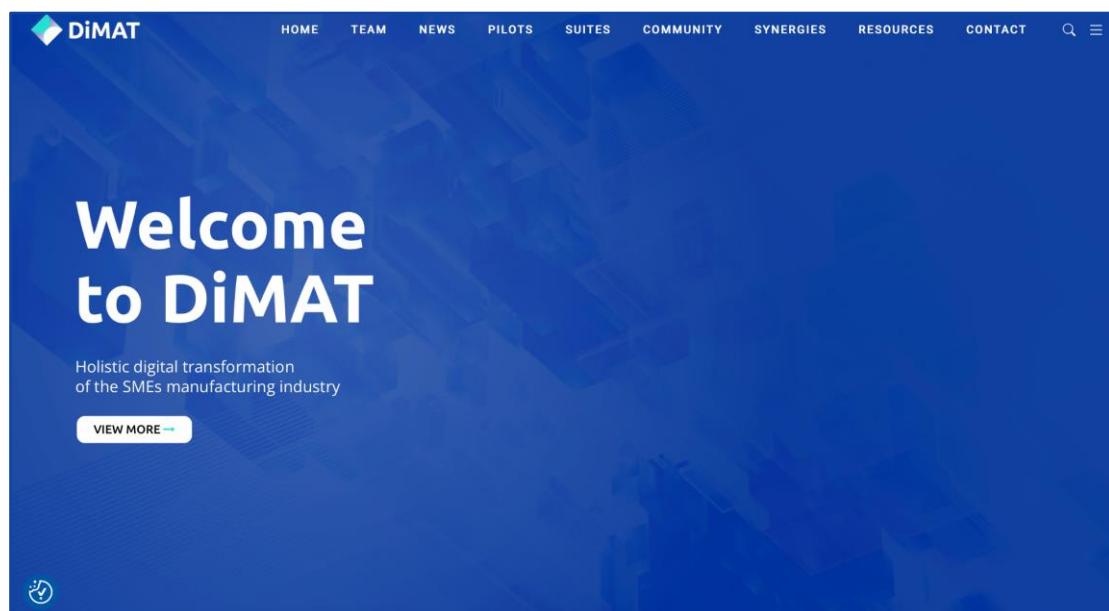
It is connected to the other communication tools such as the F6S platform and social networks by serving as their main information repository.

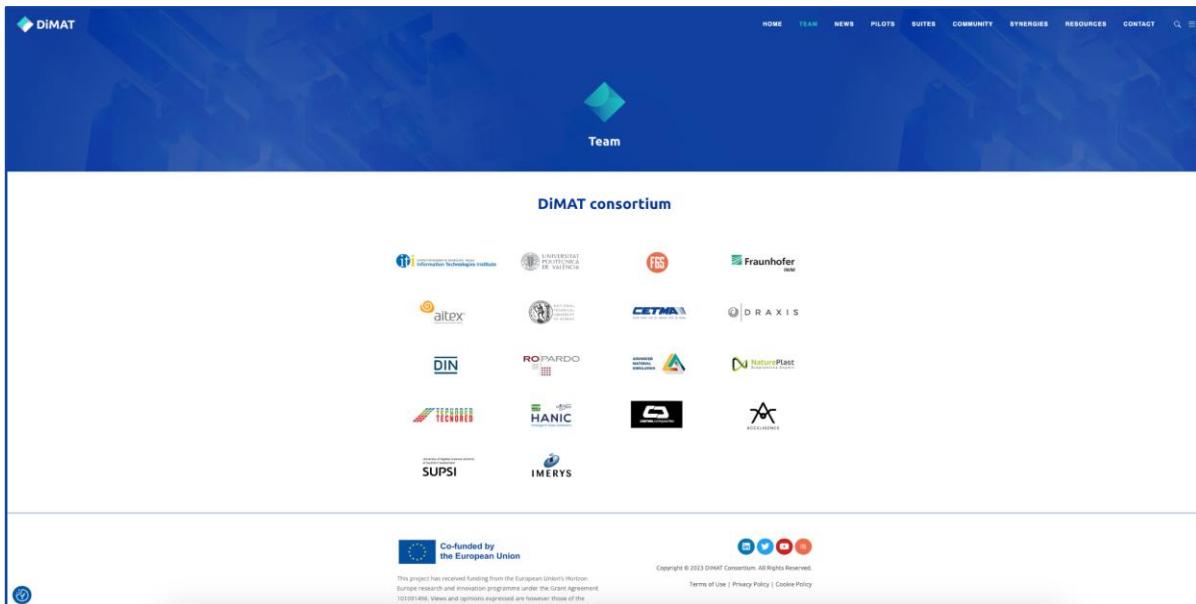
4.2 STRUCTURE

The structure of the project's website is the following:

- **Home** section representing an overview of the project, goals and objectives, latest news, and a call to action to the project's newsletter, as shown in Figure 12
- **Team** section featuring introduction of all the consortium partners involved in the project, as shown in Figure 13.
- **News** section as a designated base for the following subpages: a) Articles b) Newsletter, as shown in Figure 14.
- **Pilots** section dedicated to DiMAT's pilots representing 4 relevant material manufacturing sectors: Polymer, Composite, Glass, and Graphite, as shown in Figure 15.
- **Suites** section showcasing DiMAT's solutions: Data and Assessment Suite, Modelling and Design Suite and Simulation and Optimization Suite, as shown in Figure 16.
- **Community (UPDATED V2)** section is designed to connect DiMAT with key external stakeholders. It thoroughly explains the added value for stakeholders joining the DiMAT community. Established on the F6S platform, the Community aims to create a pool of interested parties and early adopters who will interact with the solutions, provide feedback, and help update and implement these solutions in their business and operational processes, as shown in Figure 17.

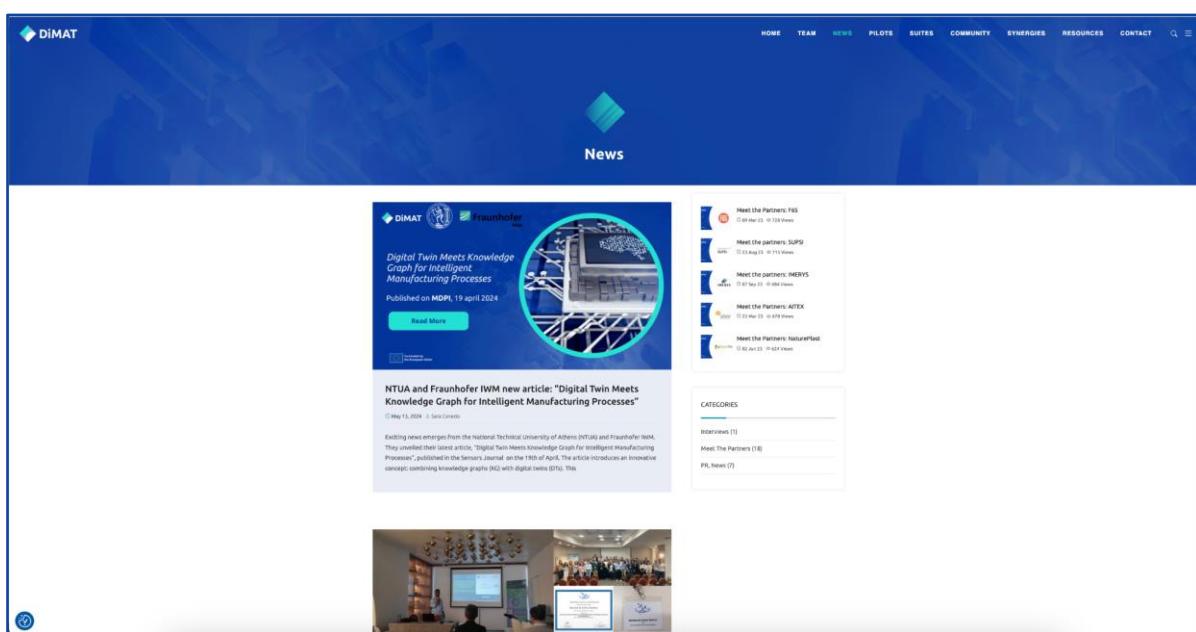
- **Synergies section (UPDATED V2)** is dedicated to introducing the synergies and latest news behind the joint initiatives of the three Sister Projects - DiMAT, metaFacturing and Pioneer, as shown in Figure 18.
- **Resources** section which stores information and access to: **DiMAT** Media Kit materials (press releases and branding materials), as shown in Figure 19:
 - Public deliverables (approved **DiMAT** deliverables with public access status);
 - Scientific Publications;
 - Videos.
- **Contact** section providing the possibility for all interested parties to contact the project, as shown in Figure 20.

Figure 12: **DiMAT** website landing page



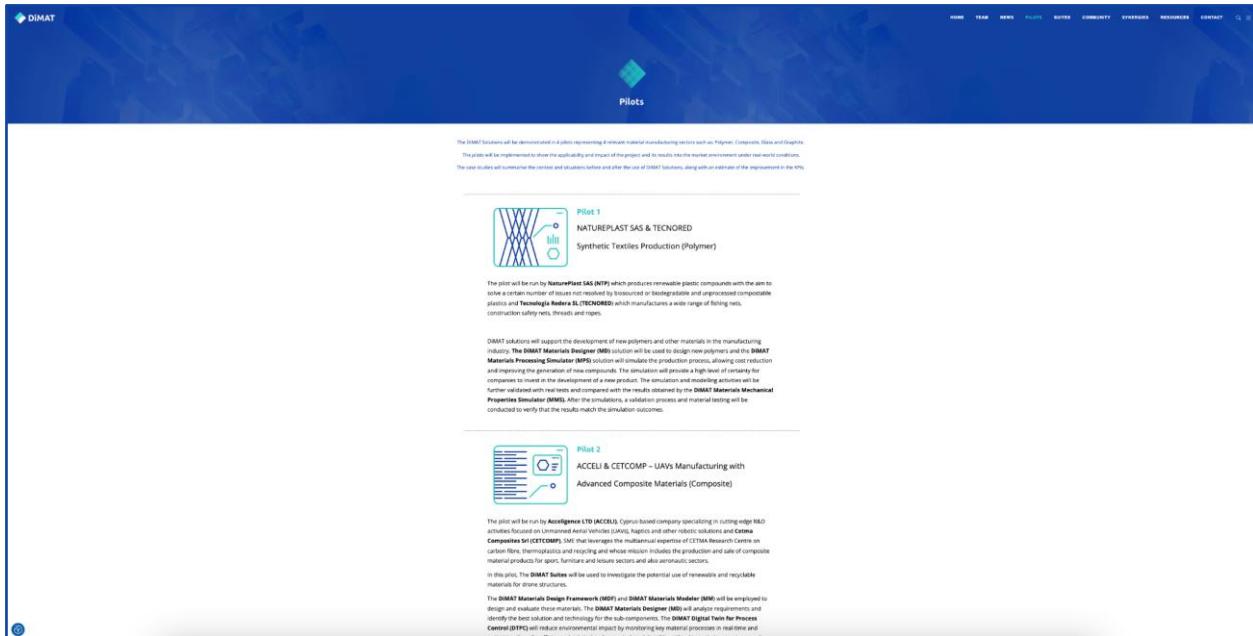
The screenshot shows the 'Team' section of the DiMAT website. At the top, there is a navigation bar with links to HOME, TEAM, NEWS, PILOTS, SUITES, COMMUNITY, SYNERGIES, RESOURCES, and CONTACT. A search icon is also present. Below the navigation is a large blue header image with a white 'Team' text overlay. The main content area is titled 'DiMAT consortium' and displays logos of the 17 project partners arranged in a grid. Below the partners' logos, there is a 'Co-funded by the European Union' logo and a note about funding. At the bottom, there are links for Terms of Use, Privacy Policy, and Cookie Policy, along with social media icons for LinkedIn, Twitter, Facebook, and YouTube.

Figure 13: DiMAT Team page



The screenshot shows the 'News' section of the DiMAT website. The top navigation bar is identical to the Team page. The main content area features a news article titled 'Digital Twin Meets Knowledge Graph for Intelligent Manufacturing Processes' published on MDPI on April 19, 2024. The article includes a thumbnail image of a factory floor, a 'Read More' button, and a brief description. To the right of the article, there is a sidebar with a list of partner profiles: F4S, SUPSI, IMERYS, AITEX, and NaturePlast. Below this is a 'CATEGORIES' section with links to 'Interviews (1)', 'Meet The Partners (16)', and 'PR, News (7)'. At the bottom of the page, there is a small image of a group of people at a conference.

Figure 14: DiMAT News page



The DiMAT Solutions will be demonstrated in 4 pilots representing 4 different material manufacturing sectors such as: Polymer, Composite, Glass and Graphite. The pilots will be implemented to test the applicability and impact of the project and its results into the market environment under real-world conditions. The sites will demonstrate the process and situation before and after the use of DiMAT Solutions, along with an estimate of the improvement in the 4%.

Pilot 1

NATUREPLAST SAS & TECNORED
 Synthetic Textiles Production (Polymer)

The pilot site is located in **NaturePlast SAS (NP)** which produces renewable plastic composites with the aim to solve a certain number of issues not resolved by biodegradable or biodegradable and biocompatible compostable plastics and **Tecnologia Indura SL (Tecnored)** which manufactures a wide range of fishing nets, contractor safety nets, threads and ropes.

DiMAT Solutions will support the development of new polymers and other materials in the manufacturing industry. The DiMAT Materials Designer (MD) solution will be used to design new polymers and the DiMAT Materials Processing Simulator (MPS) solution will simulate the production process, allowing cost reduction and improving the generation of new compounds. The simulation will provide a high level of certainty for companies to invest in the development of a new product. The validation of the new materials will be conducted using the validation of the new materials obtained by the DiMAT Materials Mechanical Properties Simulator (MMS). After the simulations, a validation process and material testing will be conducted to verify that the results match the simulation outcomes.

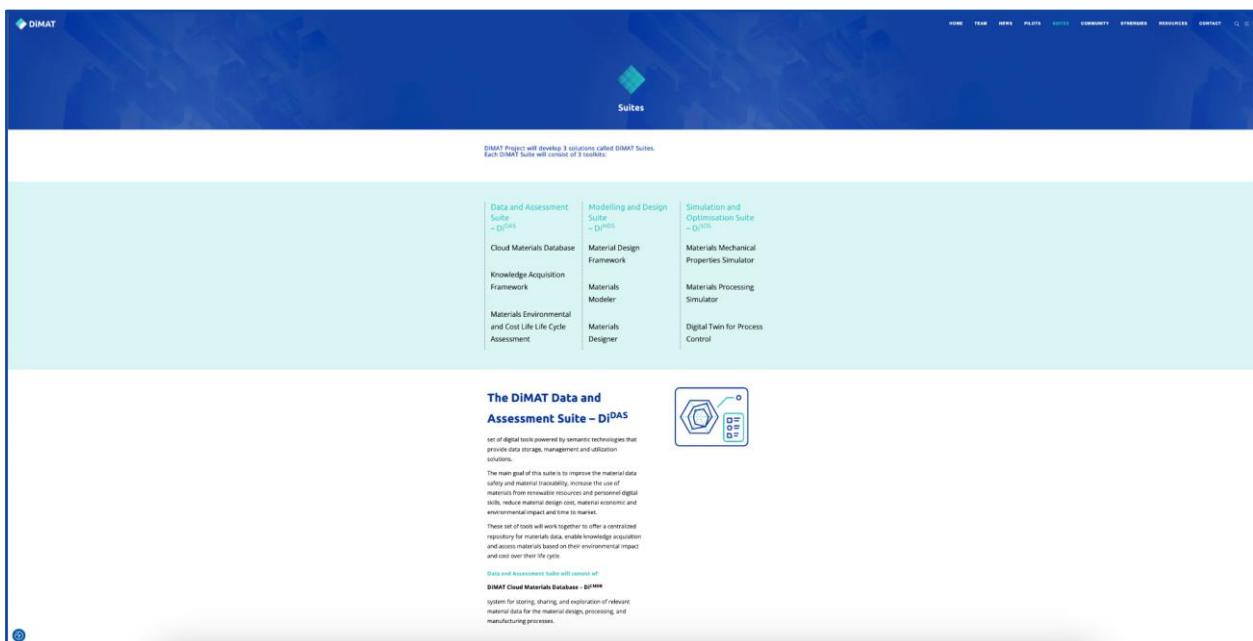
Pilot 2

ACCELL & CETCOMP - UAVs Manufacturing with Advanced Composite Materials (Composite)

The pilot site is located in **ACCELL & CETCOMP**, a spin-off based company specializing in Composite R&D activities focused on Unmanned Aerial Vehicles (UAVs), logistics and other robotics solutions and **Cetcomp Srl (CETCOMP)**, SMT that leverages the materials expertise of CTIM Research Centre on carbon fibres, thermoplastics and recycling and whose mission includes the production and sale of composite materials for the automotive, furniture and leisure sectors and also aerospace sectors.

In this pilot, the DiMAT Tools will be used to investigate the potential use of renewable and recyclable materials for drone structures. The DiMAT Materials Design Framework (MD) and DiMAT Materials Modeler (MM) will be employed to design and evaluate these materials. The DiMAT Materials Designer (MD) will analyse requirements and identify the best solution and technology for the sub-components. The DiMAT Digital Twin for Process Control (DTFC) will be used to support the validation of the new materials by monitoring the material processes in real time and comparing the obtained results with the expected ones.

Figure 15: DiMAT Pilots Page



DiMAT Project will develop 3 solutions called DiMAT Suites. Each DiMAT Suite will consist of 3 tools.

Data and Assessment Suite - DiDAS	Modelling and Design Suite - DiMDS	Simulation and Optimisation Suite - DiOS
Cloud Materials Database	Material Design Framework	Materials Mechanical Properties Simulator
Knowledge Acquisition Framework	Materials Modeler	Materials Processing Simulator
Materials Environmental and Cost Life Cycle Assessment	Materials Designer	Digital Twin for Process Control

The DiMAT Data and Assessment Suite - DiDAS

Set of digital tools powered by semantic technologies that provide data storage, management and utilization solutions.

The main goal of this suite is to improve the material data utilization and reuse (translating, reuse the same set of materials from renewable resources and personnel digital skills, reducing material design cost, material economic and environmental impact and time to market).

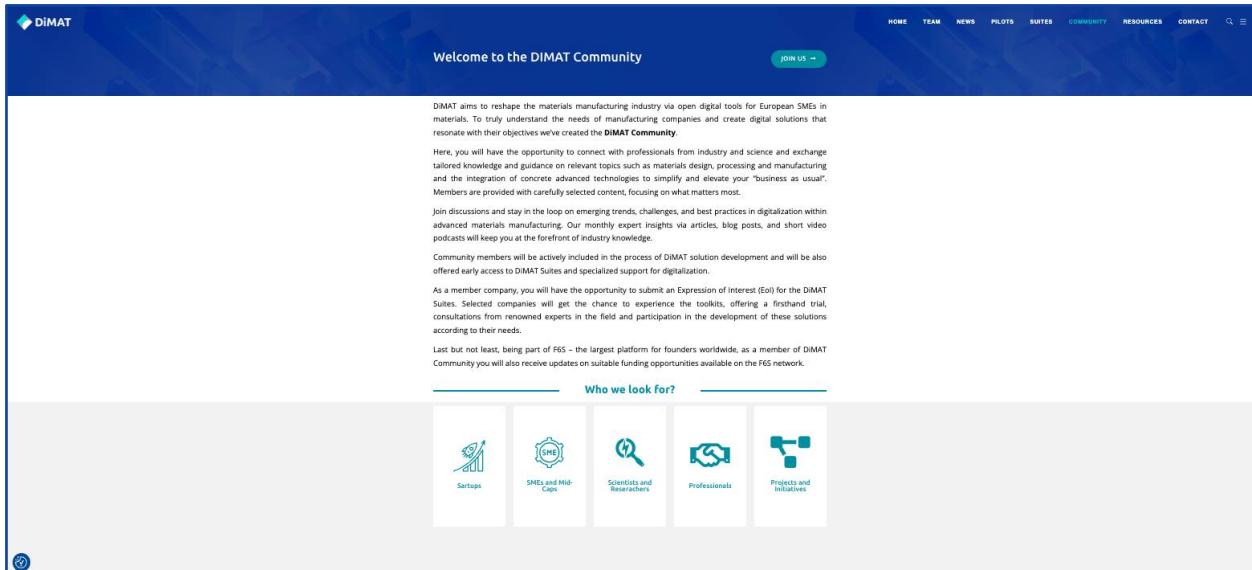
These set of tools will work together to offer a centralized repository of material data, facilitate knowledge acquisition and access materials based on their environmental impact and cost over their life cycle.

Data and Assessment Suite will consist of:

DiMAT Cloud Materials Database - DiMDB

System for storing, sharing, and exploitation of relevant material data for the material design, processing, and manufacturing processes.

Figure 16: DiMAT Suites Page



Welcome to the DiMAT Community [JOIN US →](#)

DiMAT aims to reshape the materials manufacturing industry via open digital tools for European SMEs in materials. To truly understand the needs of manufacturing companies and create digital solutions that resonate with their objectives we've created the **DiMAT Community**.

Here, you will have the opportunity to connect with professionals from industry and science and exchange tailored knowledge and guidance on relevant topics such as materials design, processing and manufacturing and the integration of concrete advanced technologies to simplify and elevate your "business as usual". Members are provided with carefully selected content, focusing on what matters most.

Join discussions and stay in the loop on emerging trends, challenges, and best practices in digitalization within advanced materials manufacturing. Our monthly expert insights via articles, blog posts, and short video podcasts will keep you at the forefront of industry knowledge.

Community members will be actively involved in the process of DiMAT solution development and will be also offered early access to DiMAT Suites and specialized support for digitalization.

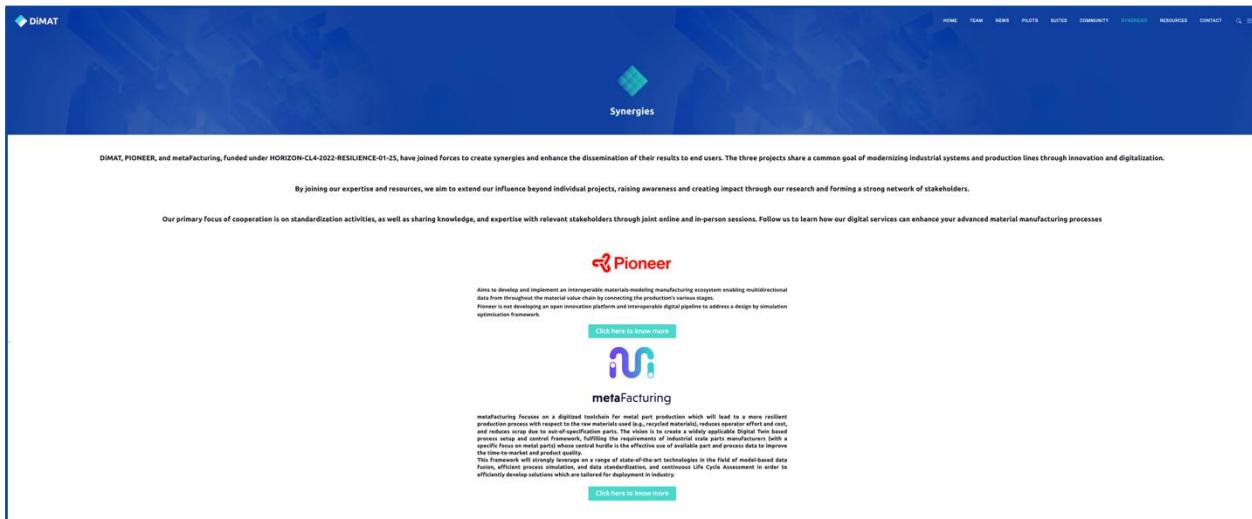
As a member company, you will have the opportunity to submit an Expression of Interest (EoI) for the DiMAT Suites. Selected companies will get the chance to experience the toolkits, offering a firsthand trial, consultations from renowned experts in the field and participation in the development of these solutions according to their needs.

Last but not least, being part of FGS - the largest platform for founders worldwide, as a member of DiMAT Community you will also receive updates on suitable funding opportunities available on the FGS network.

Who we look for?

- Startups
- SMEs and Mid-Caps
- Scientists and Researchers
- Professionals
- Projects and Initiatives

Figure 17: DiMAT Community



Synergies

DiMAT, PIONEER, and metaFacturing, funded under HORIZON-CL4-2022-RESILIENCE-01-15, have joined forces to create synergies and enhance the dissemination of their results to end users. The three projects share a common goal of modernizing industrial systems and production lines through innovation and digitalization.

By joining our expertise and resources, we aim to extend our influence beyond individual projects, raising awareness and creating impact through our research and forming a strong network of stakeholders.

Our primary focus of cooperation is on standardization activities, as well as sharing knowledge, and expertise with relevant stakeholders through joint online and in-person sessions. Follow us to learn how our digital services can enhance your advanced material manufacturing processes.

Pioneer

Aims to develop and implement an interoperable materials-modelling manufacturing ecosystem enabling multidirectional data flow throughout the material value chain by connecting the producer's various stages. Pioneer is not developing an open innovation platform and interoperable digital pipelines to address a design by simulation optimisation framework.

[Click here to know more](#)

metaFacturing

metaFacturing focuses on a digital framework for metal part production which will lead to a more resilient production process with respect to the raw material use (e.g., recycled material), reduces operator effort and cost, and reduces scrap due to out-of-specification parts. The vision is to create a widely applicable Digital Twin based process for metal parts. The framework will be developed in a modular way, with a specific focus on metal parts (whose central hurdle is the effective use of available part and process data to improve the manufacturing process). This framework will strongly leverage on a range of state-of-the-art technologies in the field of model-based data fusion, machine learning, and simulation, as well as on the use of the latest environmental Life Cycle Assessment in order to efficiently develop solutions which are tailored for deployment in industry.

[Click here to know more](#)

Figure 18: DiMAT Synergy page

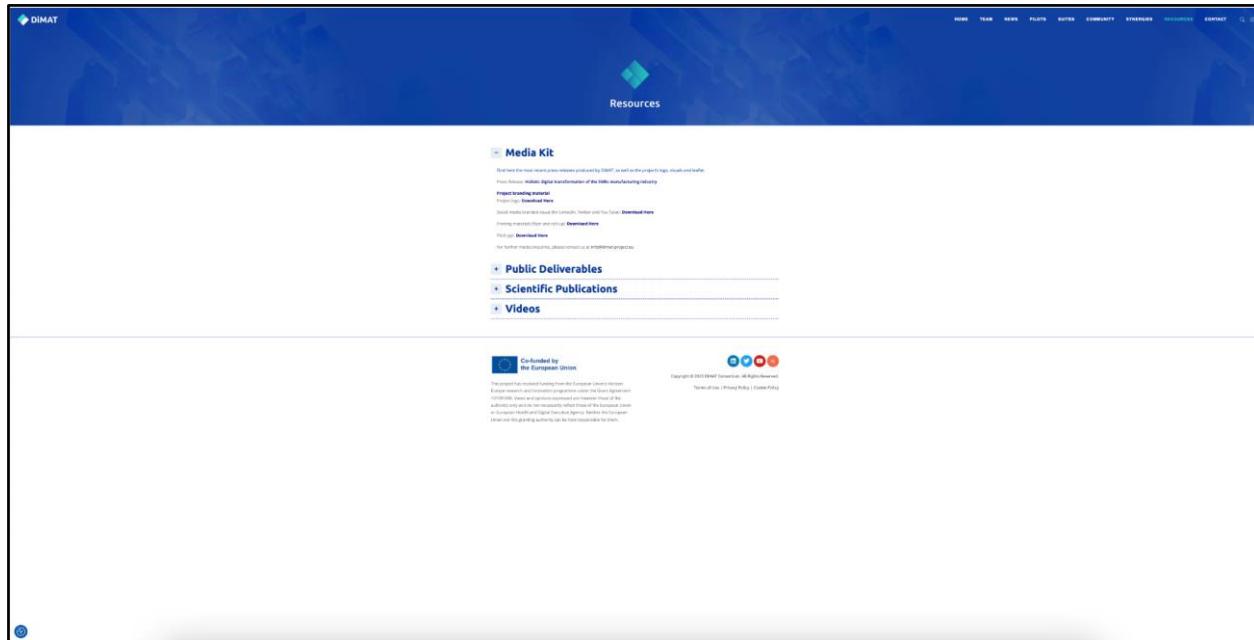


Figure 19: DiMAT Resources Page

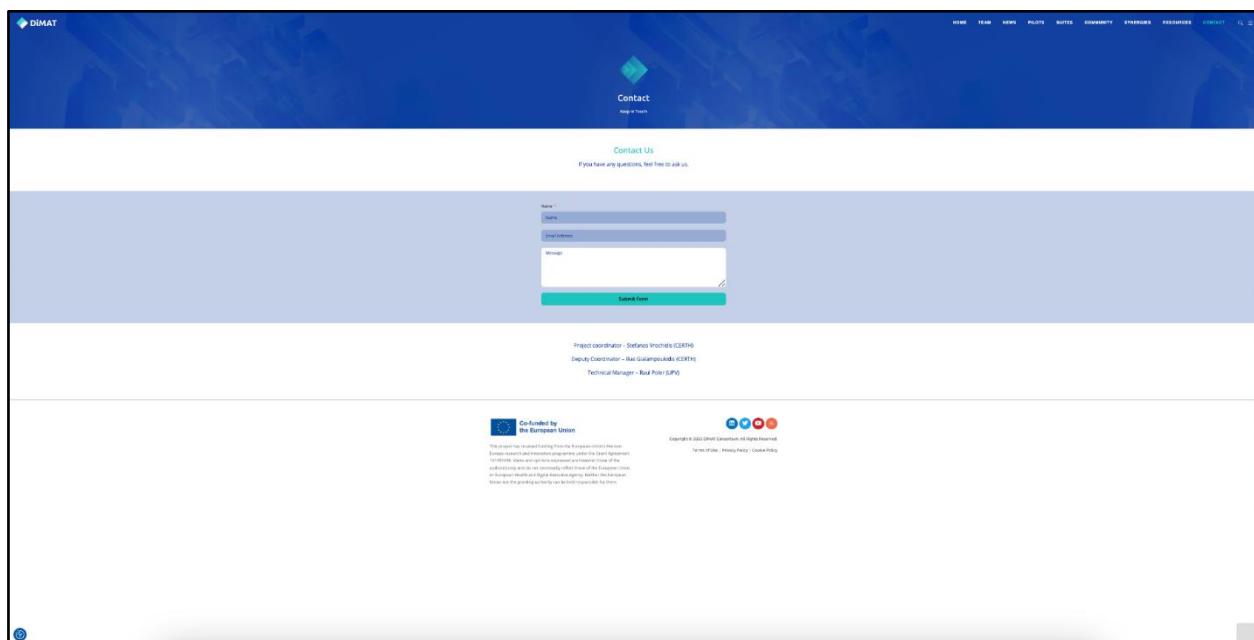


Figure 20: DiMAT Contact Page

4.3 WEBSITE DATA ANALYTICS

The present data encompasses the preceding 18-month period of the project to provide a comprehensive analysis of its progression and outcomes. In May 2024, the tool that we used to track the website's overall traffic changed from Google Analytics to Matomo and the data that we can extract from it includes different categories. On Google Analytics we can know



the users, the engagement, the pages views and the event count. In the meantime, on Matomo, we can check the visits, the acquisition and the pageviews. As we have the common pageviews on Matomo and the event count on Google Analytics parameter that measures the single visits to the pages of the DiMAT website and it measures the growth through time having into account the transition from one platform to the other, we compare that parameter in our KPI table on page 64.

In total, the website has had 4k users from January 2023 until October 2024 and the new users by first user primary channel group were mainly from direct and organic search, measuring in both platforms: Google Analytics and Matomo. The active users are now near 4k (2300+1559) as you can see from Figure 21 below (sum from both data from the pictures below).

Concerning users by country, the United Kingdom, Spain and Ireland occupy the first 3 places, followed by Germany, Greece, USA and Portugal.

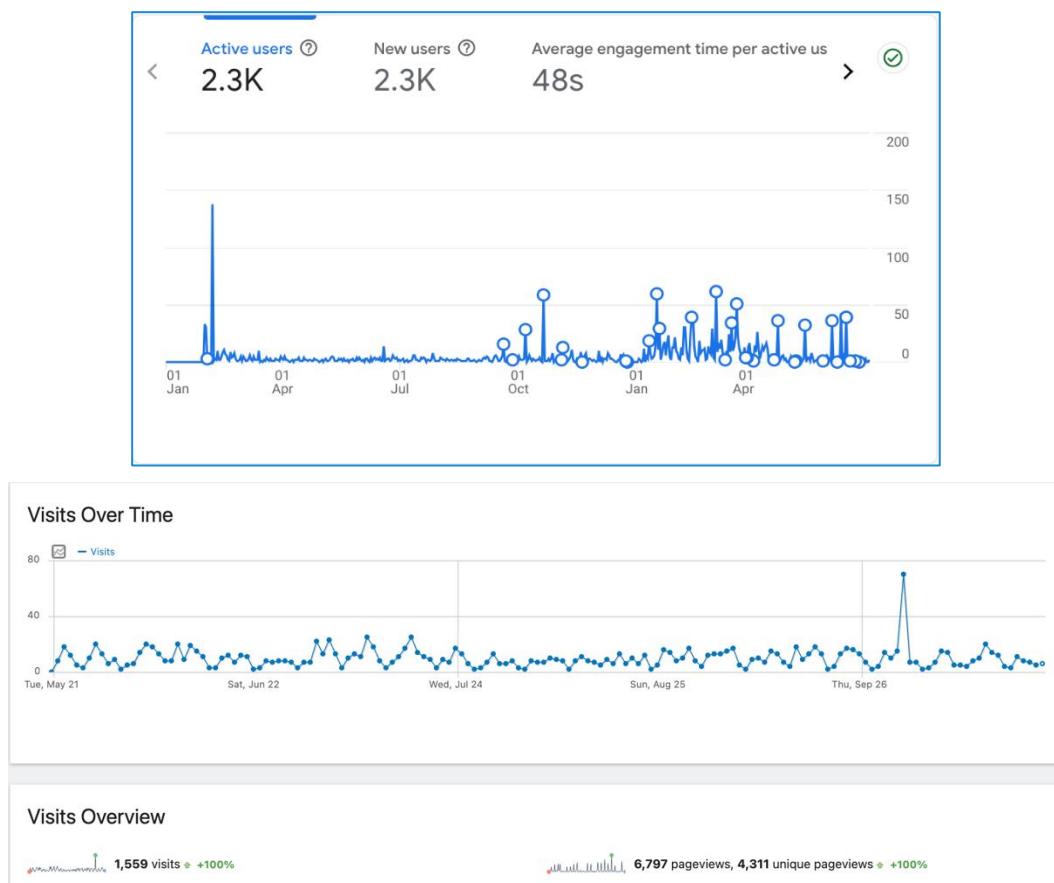


Figure 21: Screenshots of DiMAT Google Analytics Data Users and Matomo Visits

Concerning the engagement time on the website, it varied between 7 minutes and 1 minute and we can see a growth in the last 5 months of the project concerning page views (6.2k in total).

The page views are reflected in the picture below with a total of close to 5k views by June 2024 and 6.2k pageviews by October 2024. The number of single visits to the pages, as mentioned above, is equivalent to 18k, both showed in Google Analytics and Matomo platforms.

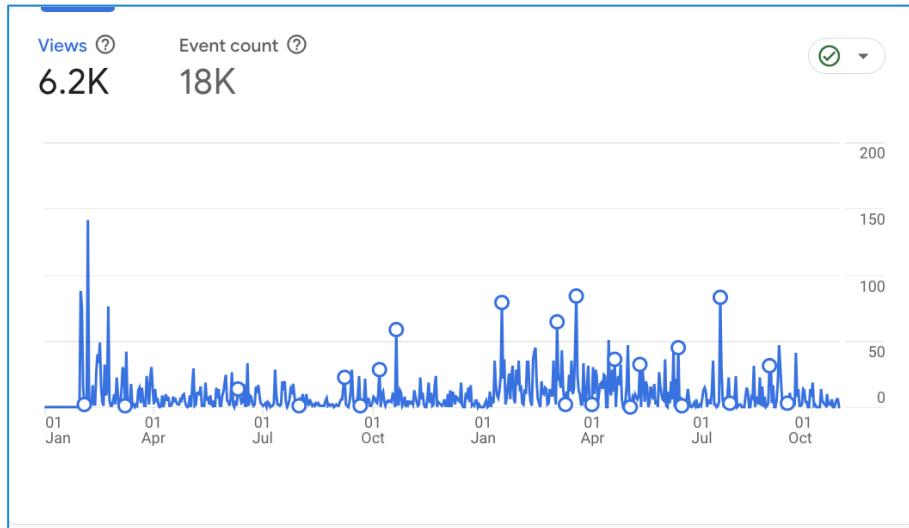


Figure 22:Screenshots of [DiMAT](#) Google Analytics Data – Single visits to the website

These last figures illustrate the statistics to measure our pageviews data in general, meaning that it does not measure single visits, but rather by user. The data from Matomo represents the data from May 2024 until October 2024 (6797 page views which means single visits) and then the 4311 unique pageviews which reflects the number of single users that entered in a specific page just once.

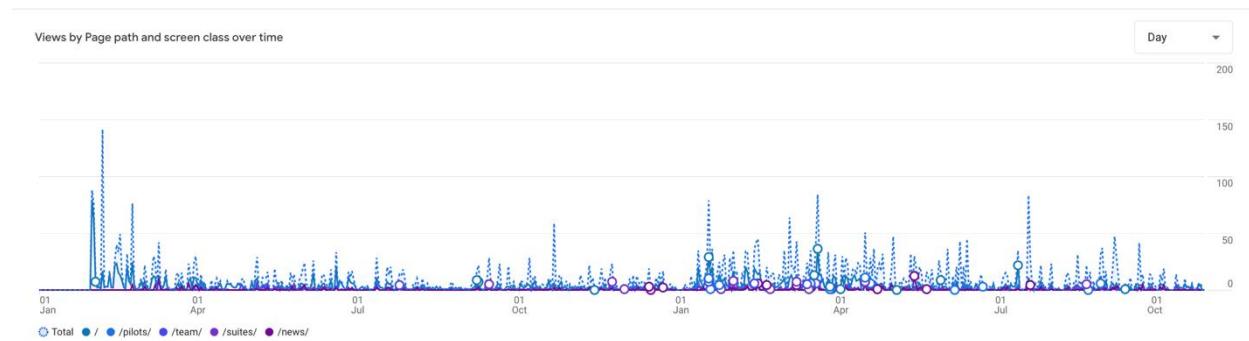




Figure 23: Website page views from Matomo analytics from January 2023 to October 2024

5 SOCIAL NETWORKS

DiMAT has accounts in the following social networks, facilitating the online presence of the project and interaction with the relevant audience:

[LinkedIn](#) - dimat-project

[X](#) - @dimatproject

[YouTube](#) - @dimatproject

In the context of the communication and dissemination strategy for the DiMAT project, social media channels play a crucial role in increasing the visibility of the project's development, activities, and results. LinkedIn and X are dynamized with content twice a week, while YouTube serves as a video repository, where all webinars, online workshops, partners interviews, Suites and toolkits tutorials will be shared and made available.

5.1 LINKEDIN

LinkedIn: As a professional networking platform, LinkedIn allows DiMAT to showcase its expertise, connect with professionals in the field, and share updates related to the project. It provides a platform for networking, collaboration, and knowledge exchange, helping to establish DiMAT as a credible player in the digital manufacturing research domain.

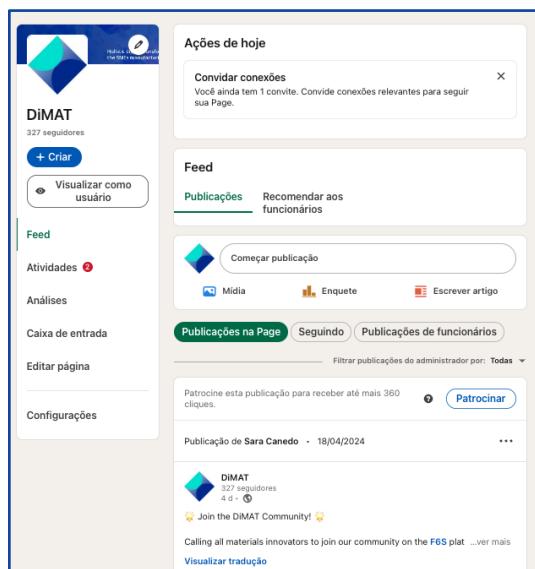


Figure 24: Screenshot of DiMAT LinkedIn Page

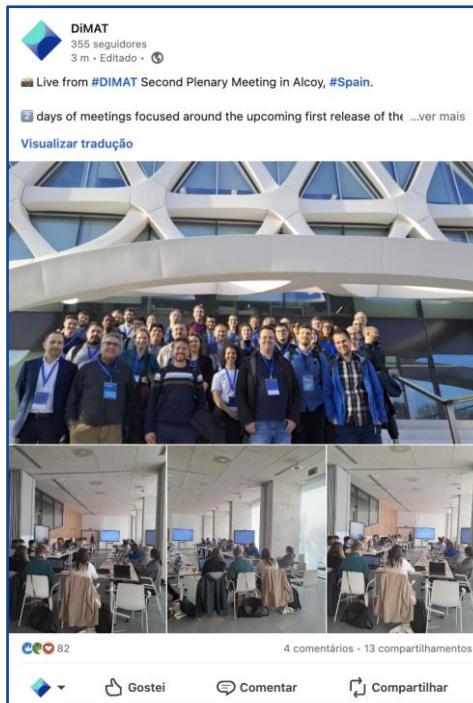


Figure 25: Screenshot of LinkedIn Post example 1

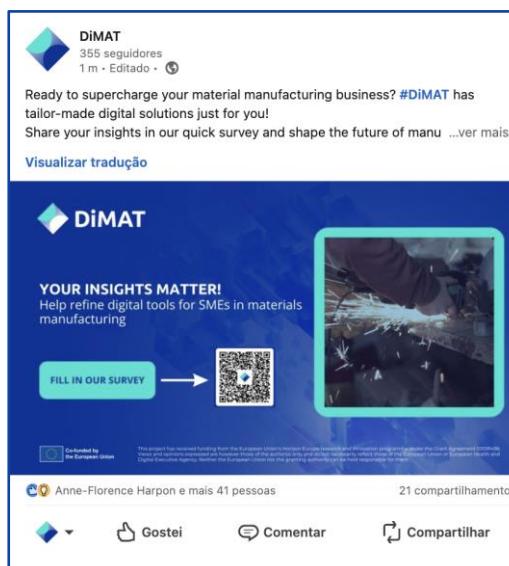


Figure 26: Screenshot of LinkedIn Post example 2

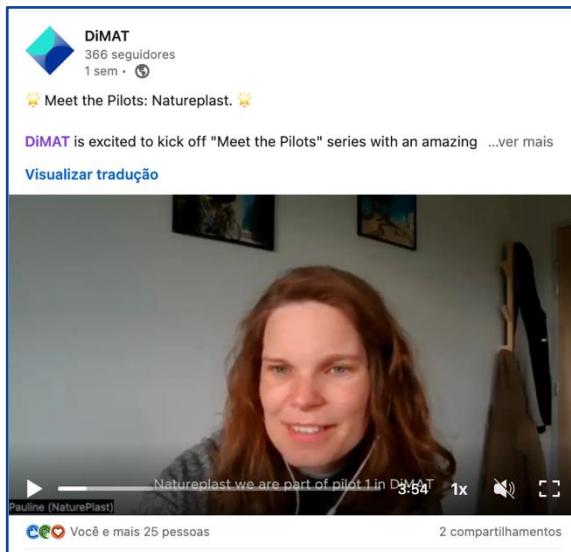


Figure 27: Screenshot of LinkedIn Post example 3

5.2 X

X: X serves as a real-time microblogging platform, allowing **DiMAT** to share concise updates, news, and insights related to its research and development. Using relevant hashtags and engaging with the community, X enables **DiMAT** to reach a wider audience, including researchers, industry professionals, and stakeholders interested in digital technologies and material value chain optimization.

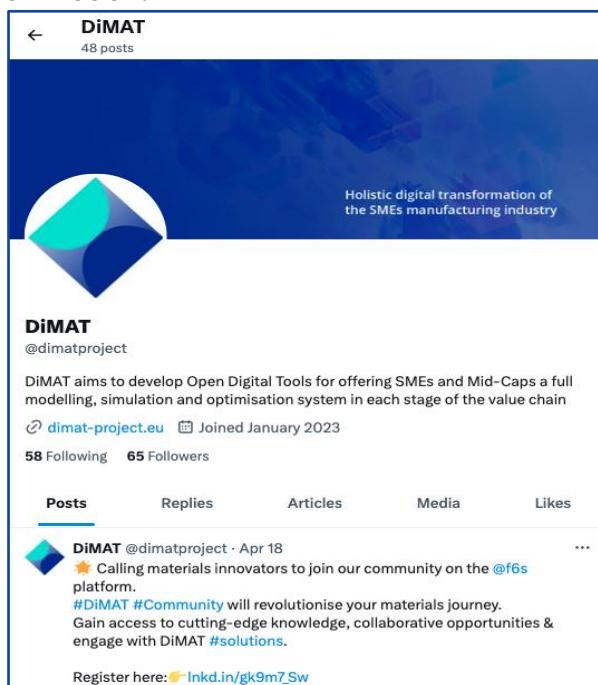


Figure 28: Screenshot of DiMAT X Page

5.3 YOUTUBE

YouTube: As a video-sharing platform, YouTube offers **DiMAT** the opportunity to create and share visual content. By leveraging visual and multimedia content, **DiMAT** can effectively communicate complex concepts, showcase research findings, and engage with a broader audience interested in digital technologies and material value chain optimization.

Video materials created for **DiMAT** are and will be stored on the project YouTube page. We can find webinars and videos concerning the **DiMAT** partners. For the future, other videos - events and holistic project videos.

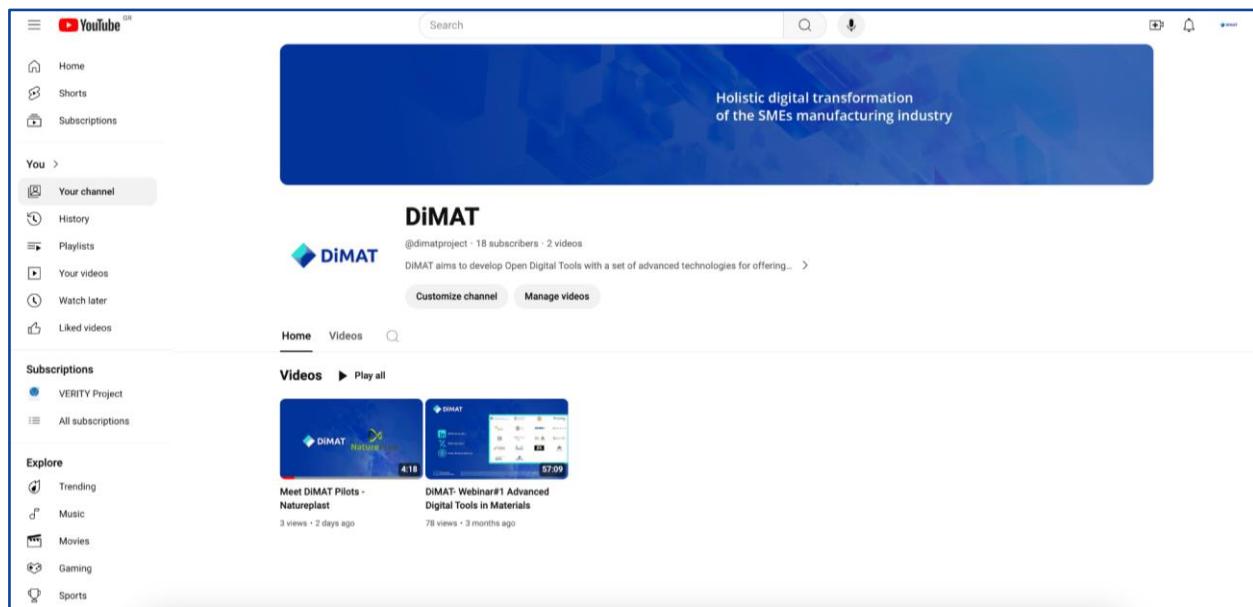


Figure 29: Screenshot of DiMAT YouTube Page



Figure 30: Screenshot of DiMAT Webinar "Advanced digital tools in manufacturing"

By utilizing these social media channels, **DiMAT** disseminates information about its research and innovation actions, creates a platform for its ODTs (Open Digital Tools) and in a broader aspect, highlights the benefits of digital technologies for material value chain optimization, engaging with relevant communities. The platforms enable **DiMAT** to reach a wider audience, build connections, foster collaborations, and contribute to the ongoing dialogue in the field. The social media channels play a vital role in enhancing the visibility, effectiveness, and competitiveness of the **DiMAT** project.

5.4 HASHTAGS

Hashtags: Hashtags are a very useful tool for broadening the community and acquiring new followers.

The use of appropriate hashtags and handles will be chosen on a case-by-case basis. For instance, when posting about a specific event, hashtags will be selected to fit the topic. However, there are certain hashtags we use frequently to build and maintain the **DiMAT** presence. These hashtags include:

**#DiMAT #DiMATProject #EUproject #Materials #Community
#Manufacturing #Sisterprojects #Toolkits #Innovation
#Digitaltools #Pilots #Suites #SuiteLeaders #SMEs**

In addition to these hashtags, we incorporate additional tags depending on the specific event and the focus needed. This approach allows to tailor the project messaging to the relevant audience and maximize the reach and engagement for particular topics or events.

By strategically selecting event-specific hashtags, we can effectively highlight key aspects and ensure that **DiMAT** posts are seen by those most interested in the specific content we are sharing:

**#Synergies #CollaborativeResearch #MaterialsScience #EuropeDay
#Progress #InternationalConference #Article #Survey #Insights**

5.5 TAGS

Tags: To maximize the impact of the project on social media channels, the project partners accounts are identified and tagged in the relevant posts to generate interactions:

PARTNER	@PROFILE
CERTH	CENTRE FOR RESEARCH & TECHNOLOGY HELLAS (CERTH)
M4D	M4D - MULTIMODAL DATA FUSION AND ANALYTICS GROUP
UPV	UNIVERSITAT POLITÈCNICA DE VALÈNCIA (UPV)
FRAUNHOFER	FRAUNHOFER-GESELLSCHAFT
AITEX	AITEX
NTUA	NATIONAL TECHNICAL UNIVERSITY OF ATHENS
CETMA	CETMA
DRAKIS	DRAKIS ENVIRONMENTAL S.A.
AMS	ADVANCED MATERIAL SIMULATION SL
ROPARDO	ROPARDO - SOFTWARE ENGINEERING
DIN	DIN DEUTSCHES INSTITUT FÜR NORMUNG E. V.
F6S	F6S INNOVATION
NATUREPLAST	NATUREPLAST
ACCELIGENCE	ACCELIGENCE LTD
HEGLA-HANIC	HEGLA-HANIC GMBH
SUPSI	SCUOLA UNIVERSITARIA PROFESSIONALE DELLA SVIZZERA ITALIANA (SUPSI)
TECNORED	TECNOLOGIA REDERA SL
CETCOMP	CETMA COMPOSITES

Table 2: DiMAT Partner Tags

Personal partners accounts are as well identified to increase the project's dissemination. In specific events or posts, third parties can be identified to generate conversation and reach a wide dissemination.



Figure 31: Screenshot of DiMAT example of different partner tags

6 DISSEMINATION ACTIVITIES

Dissemination activities within **DiMAT** are of paramount importance as they serve as the bridge between the project's results and its target audience. These activities ensure that the **DiMAT**'s outcomes, achievements, and learnings are effectively shared with relevant stakeholders, including partners, funders, policymakers, and the broader community.

6.1 EVENTS

To raise awareness, **DiMAT** targets a set of dissemination opportunities, such as events, scientific dissemination, workshops and webinars and networks with other relevant initiatives.

Below, Table 3 contains examples of events of the **DiMAT** partners that have attended and showcased the project results, actively participating in discussions with key stakeholders.

CONFERENCES AND EVENTS				
TITLE	ACTIVITY AND ATTENDANCE EVIDENCE	TYPE	DATE	LOCATION
<u>XVII INTERNATIONAL CONFERENCE ON COMPUTATIONALLY PLASTICITY FUNDAMENTALS AND APPLICATIONS</u>	 <p>Certificate of Attendance <i>This is to certify that</i> Dr. Javier Gomez <i>has attended the</i> COMPLAS 2023 Conference <i>XVII International Conference on Computational Plasticity, Fundamentals and Applications</i> <i>6-7 September, 2023, Seville (Spain)</i> <i>and presented the following contribution:</i> Bayesian Inverse Analysis Application to Pyroplastic test in Ceramic Materials <i>On behalf of the chairs of the conference</i>  CIMNE Congress Bureau <i>Campus Vell UPC, Building C1 - Office C4</i> </p>	SCIENTIFIC	5 – 7 SEP 2023	BARCELONA, SPAIN
<u>JEC WORLD</u>		BUSINESS	25 – 27 APR 2023	PARIS, FRANCE

<u>JEC FORUM ITALY</u>		BUSINESS 6 - 7 JUN 2023 BOLOGNA, ITALY
<u>EURO NANO FORUM</u>		SCIENCE 11 - 13 JUN 2023 LUND, SWEDEN
<u>VITRUM 2023</u>		BUSINESS 5 - 8 SEP 2023 MILAN, ITALY

<p>X CONGRESO I+D+i "CREANDO SINERGIAS" CAMPUS DE ALCOY / X R+D+i CONGRESS "CREATING SYNERGIES" ALCOY CAMPUS</p>	<p>INTRODUCCIÓN La utilización de procesos de simulación para resolver problemas relacionados con la producción industrial o para optimizar los procesos existentes cada vez es más común. Una de las principales razones es conseguir análisis materiales, procesos o maquinaria de producción sin tener que parar la línea de producción para realizar dichas pruebas. Aunque la mayoría de los softwares de simulación existentes se basan en licencias que suelen ser muy caras, existen softwares que ofrecen una alternativa más económica y que cumplen con las necesidades de los usuarios. En este caso, el software que se presentará es OpenFlow, que es un software de simulación de fluidos que se basa en la simulación de la ecuación de Navier-Stokes.</p> <p>Presentamente en este proyecto se va a utilizar OpenFlow, un programa de simulación y desarrollo de aplicaciones de soluciones que utilizan la fuerza de la computación en la nube para la simulación de fluidos. OpenFlow es un software que se basa en la simulación de las ecuaciones que describen el movimiento de los fluidos y las interacciones que se originan en las mismas.</p> <p>Para realizar el proyecto se han podido utilizar programas como: FreeCfd o Sabane, también se puede emplear otro tipo de software, pero en este caso se presentan soluciones de acceso abierto. Para realizar la simulación, se puede utilizar programas de acceso abierto como Sabane o Paraview, que son software que se basan en la simulación de fluidos.</p> <p>INSTALACIÓN Presentemente, se debe instalar Ubuntu en Windows, donde la versión más recomendada es la 20.04 LTS. Una vez instalado el sistema operativo, se instalará el denominado Subistema de Windows para Linux (WSL). A continuación, se instalará el software OpenFlow en la máquina virtual. Una vez instalado el software, se creará un directorio para almacenar los resultados de los cálculos, que se creará en el directorio de trabajo del software. Se utilizará para crear un nuevo directorio, para ejecutar una primera simulación. Una vez ejecutada la simulación, se verán los resultados.</p> <p>A continuación, se aplicará una línea de comando para ejecutar la misma carpeta con los resultados.</p> <p>RESULTADOS En la siguiente línea de comando, el usuario, se utilizará para parar y ejecutar la simulación. La línea de comando es 20 20 20 20, que se puede modificar, dependiendo de las necesidades del usuario. Una vez ejecutada la simulación, se visualizará el flujo de fluido, el tipo de sedimentación y se seleccionará la velocidad de sedimentación.</p> <p>Finalmente, se aplicará la última línea de comando para visualizar los resultados de la simulación. Una vez visualizados los resultados, se procederá a guardar la simulación de fluido. Para la correcta visualización de los resultados, se ha modificado el tipo de letra.</p> <p>CONCLUSIONES Se ha desarrollado una metodología de instalación de un simulador optimizado en un entorno en el que conviven dos sistemas operativos. Se ha presentado la simulación de fluidos y la compatibilidad de datos entre ellos. La simulación se ha realizado mediante la ejecución de un software de simulación que corresponde con los resultados que se presentan en la guía del usuario.</p> <p>AGRADECIMIENTOS Los autores agradecen agradecer la financiación a la Comisión Europea – European Health and Digital Executive Agency (H2020) (Proyecto Digital regresos y servicios de salud para la optimización y personalización de procesos industriales (DIRE)). Programa Resultado Europeo en salud del Fondo de Colaboración (FONDEF) (DIRE/18/00024).</p> <p>REFERENCIAS González, C., Chiriví, D., Martínez, J. J., & Llorente, J. (2020). OpenFOAM v7.0 User Guide – Chapter 3 Installation. https://openfoam.readthedocs.io/en/latest/installation/</p>	<p>5 - 6 JUL 2023 ALCOY, SPAIN</p>
<p>POLY-K 2023 ADVANCES IN POLYMER COMPOSITES AND NANOCOMPOSITES</p>		<p>13 - 15 SEP 2023 TERNI, ITALY</p>
<p>ALCOY TECH 2023 ARTIFICIAL INTELLIGENCE & OPTIMIZATION INTERNATIONAL WORKSHOP</p>		<p>07 - 08 NOV 2023 ALCOY, SPAIN</p>
<p>BIOMATERIALS AND BIOELECTRONICS</p>		<p>22 SEP 2023 ALICANTE, SPAIN</p>

JEC COMPOSITE 2024		BUSINESS	5 – 7 MAR 2023	PARIS, FRANCE
BIEMH 2024 BEDIGITAL 2024 DIGITAL TALKS		BUSINESS	3 – 7 JUN 2024	BILBAO, SPAIN
INRS SHORT-TERM JOINT STAFF <u>TRAINING C3</u> <u>TRAININGS ON THE BLENDED</u> <u>CURRICULAR FOR EFFECTIVE</u> <u>SERVICES TO RESEARCH,</u> <u>BUSINESS AND INNOVATION</u>		BUSINESS	13 – 16 FEB 2024	VALENCIA, SPAIN
<u>1ST VMAP USER MEETING</u> <u>2024</u>		BUSINESS	14 – 15 FEB 2024	SANKT AUGUSTIN, GERMANY

12TH INTERNATIONAL CONFERENCE ON INTEROPERABILITY FOR ENTERPRISE SYSTEMS AND APPLICATIONS (I-ESA 2024)		SCIENCE	10 – 12 APR 2024	CRETE, GREECE
DIGITAL TRANSFORMATION SUMMIT IN MADEIRA DIGITAL TRANSFORMATION WEEK		SCIENCE	20 – 28 JUN 2024	MADEIRA, PORTUGAL
BIEMH 2024 BEDIGITAL 2024 STANDS		BUSINESS	3 – 7 JUN 2024	BILBAO, SPAIN

Table 3: DiMAT Event Attendance

6.2 WORKSHOPS

DiMAT project workshops can be divided into three distinct groups:

1. Workshops for the project consortium, supporting partners in building aligned knowledge and expertise on relevant topics for DiMAT solution development and future exploitation
2. Workshops that are open to DiMAT sister projects on topics of mutual interest

3. Workshops for external stakeholders, e.g. early adopters or collaborators

During the first 18 months of project implementation, **DiMAT** has held a total of 7 workshops. Three workshops (one internal and two open to sister projects) focused on standardisation activities related to MODA and CHADA. For the second and third workshop **DiMAT** sister projects metaFacturing and Pioneer, and the more recently funded AID4Greenest participated towards establishing a clear understanding of the needs, expectations and opportunities for integration and exploitation for materials modelling and characterisation. The sessions were led by DIN and Fraunhofer IWM. Two workshops were held on IP and IPR - the sessions were organized by **DiMAT** and led by an assigned Horizon Results Booster expert. The first session focused on more general topics where as well **DiMAT** sister projects were invited to attend, while the second session was specifically organised for **DiMAT** toolkit developers and exploitation leads and focused on guidance regarding relevant IPR procedures, software protection opportunities, IP licensing, sale and freedom of operations. Two workshops took place in conjunction with international larger events: **DiMAT** was presented during the Artificial Intelligence & Optimisation International Workshop at Alcoy in November 2023. Additionally, on the 25th of June 2024 **DiMAT** and its sister project metaFacturing led a public workshop as part of the Madeira Digital Transformation Week. The workshop is titled "Synergizing Digital Technologies and Data for Advanced Manufacturing: Innovations, Challenges, and Future Directions".

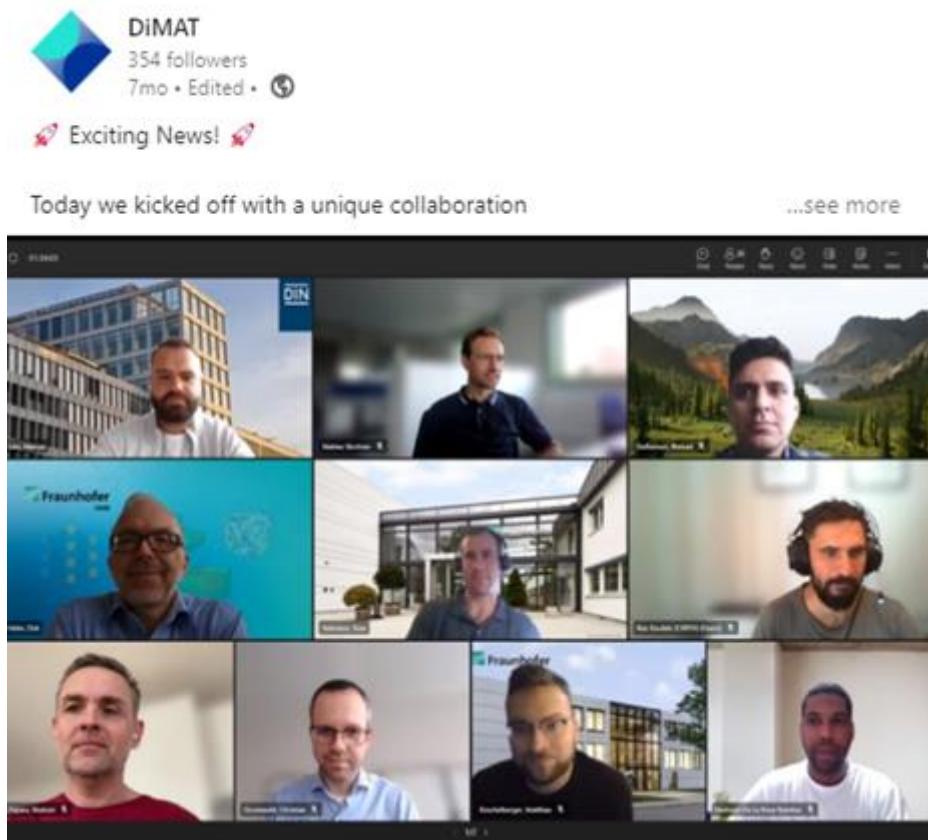


Figure 32: Screenshot of DiMAT First Standardization Workshop with AID4Greenest, Pioneer, and metaFacturing

DiMAT
509 followers
11mo • Edited • 

DIMAT is having a very successful month, actively participating in renowned conferences! This time, [Universitat Politècnica de València \(UPV\)](#), DiMAT's partner, joined the Alcoy Tech 2023 Artificial Intelligence & Optimisation International Workshop. During the event, [Harrison De La Rosa Ramírez](#) presented the [#DiMAT](#) project. 

This workshop emphasized how Artificial Intelligence, Data Science, and Optimisation drive efficient and sustainable digitisation in business, industry, education, and society, focusing on guiding the optimisation of industrial systems through digitalisation. Encouraging applied research and knowledge transfer, the workshop fostered direct engagement between experts from universities and industry. It promoted collaborative research and development, showcasing ongoing projects that result from academia-industry partnerships.

We're delighted that our partner took an active role in disseminating the [#DiMAT](#) project through a presentation titled, "Digital Tools for Modeling, Simulation, and Optimisation"  This presentation showcased a crucial aspect of the [#DiMAT](#) project — developing [#OpenDigitalTools](#) that can address the challenges of advanced, smart, and functional materials.

Centre for Research & Technology Hellas (CERTH) | M4D - Multimodal Data Fusion and Analytics Group | Universitat Politècnica de València (UPV) | Fraunhofer-Gesellschaft | AITEX | National Technical University of Athens | CETMA | DRAxis Environmental S.A. | ADVANCED MATERIAL SIMULATION SL | Ropardo - Software Engineering | DIN Deutsches Institut für Normung e. V. | F6S Innovation | NaturePlast | ACCELIGENCE LTD | HEGLA-HANIC GmbH | University of Applied Sciences and Arts of Southern Switzerland | Imerys | Tecnored | CETCOMP



DiMAT at @Alcoy Tech 2023 Artificial Intelligence & Optimisation International Workshop

LEARN MORE

Digital Tools for Modeling, Simulation, and Optimisation

Harrison de la Rosa Ramírez (UPV)

10/11/2023

25

3 reposts

Figure 33: DiMAT at the Artificial Intelligence & Optimisation International Workshop

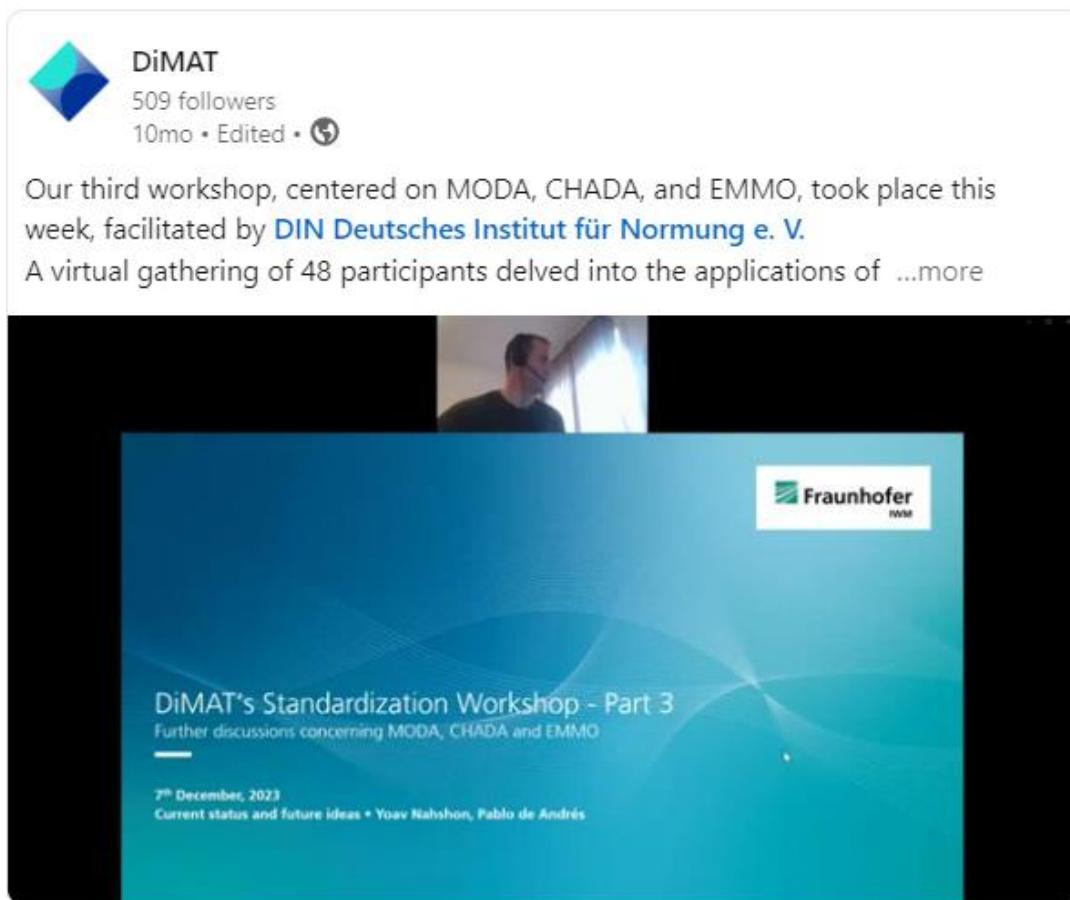


Figure 34: DiMAT third standardization workshop with sister projects held on the 7th of December, 2023

DiMAT is at the Madeira Digital Transformation Week! In case you are there don't miss the chance to participate in our workshop today: "Synergizing Digital Technologies and Data for Advanced Manufacturing" led by **Harrison de la** ...more

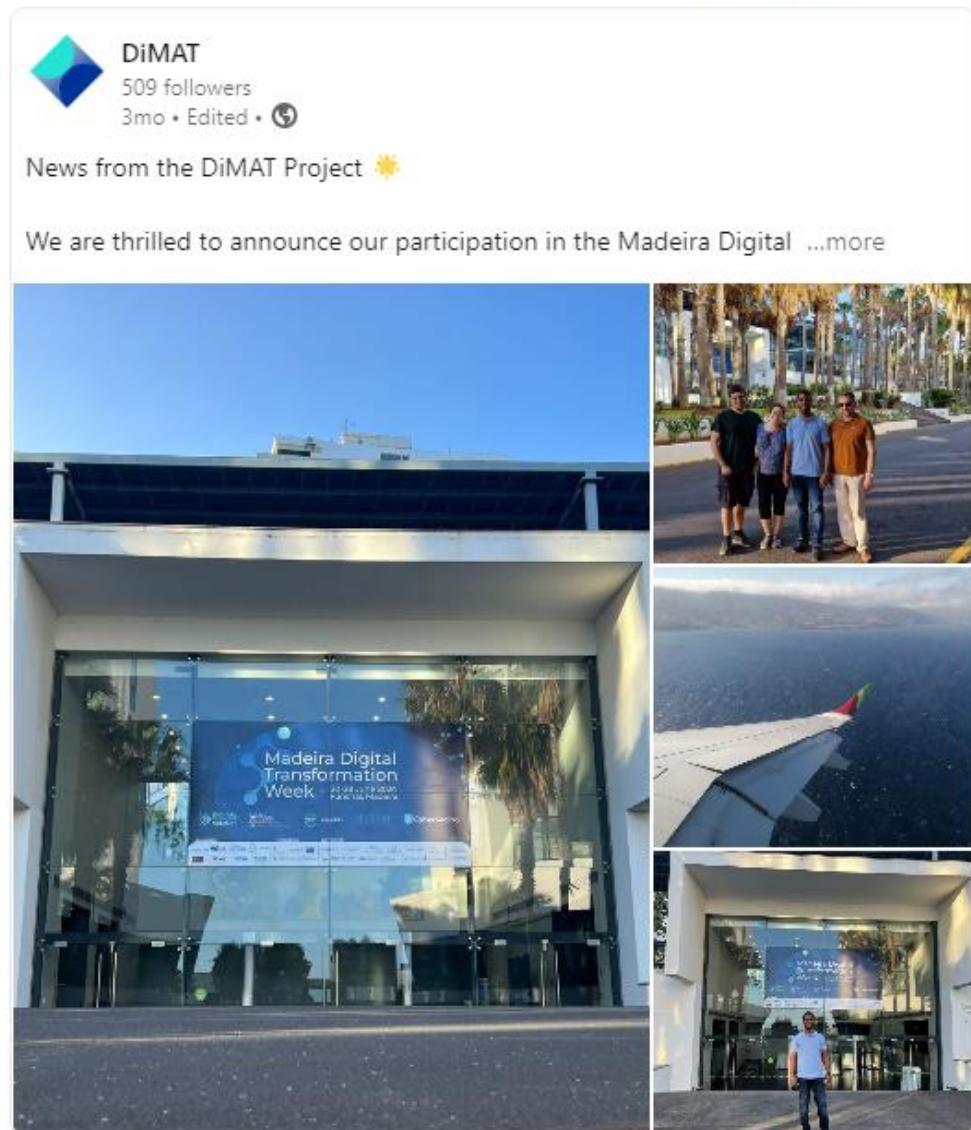


Figure 35: Screenshot of DiMAT Workshop "Synergizing digital technologies and Data for advanced manufacturing" at MDTW

6.3 COLLABORATION WITH PROJECTS AND NETWORKS

As indicated in **DiMAT**'s Communication and dissemination strategy, collaboration with other projects and networks is of strategic importance for **DiMAT**. In the first 18 months of project activities a collaboration with the metaFacturing and Pioneer sister projects, and the newest Aid4Greenest projects were already put in place. The sister projects have a dedicated subpage on their project websites where collaborative activities are showcased.

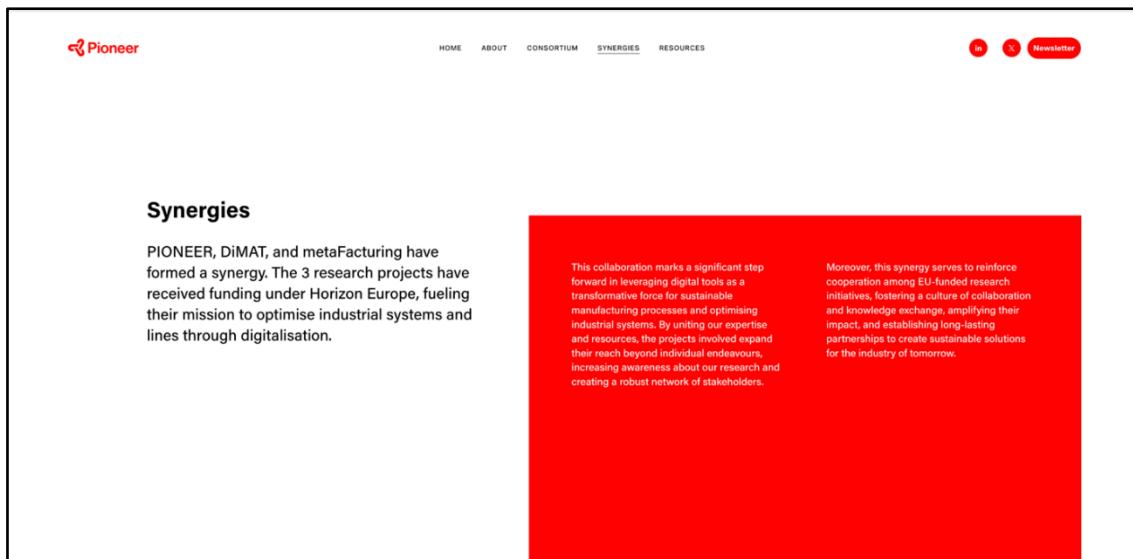


Figure 36: Screenshot of PIONEER Project page

They have already participated in three online workshops organized by [DiMAT](#) – two on standardization and one on IPR. Additionally, metaFacturing joined [DiMAT](#) in organizing and co-leading a public workshop on the topic of “Synergizing digital technologies and Data for advanced manufacturing” as part of the Madeira Digital transformation week in June 28, 2024. The above-mentioned activities are showcased as part of the Event and Workshop Section of this document.

[DiMAT](#) has proactively sought collaboration opportunities with the largest European network for manufacturing - EIT Manufacturing. The project has already been featured during the launch of the EIT Manufacturing online community on AGORA and will participate in upcoming EIT Manufacturing events, webinars and its featured podcast “The Art of making”.



Figure 37 Screenshot of DiMAT presentation promotion at the EIT Manufacturing Alumni Community Kick-off Event

6.4 WEBINARS

Webinars are hosted via the **DiMAT** Community Platform to present and discuss key topics in materials design, modelling, and simulation, engaging stakeholders and relevant participants.

As an example, **DiMAT** held its first webinar: [**DiMAT webinar on Advanced Digital Tools for Materials Manufacturing**](#) on the 14 of February, published on **DiMAT** YouTube Channel, F6S Community page and **DiMAT** social channels.

The project introduced its digital tools and how they will support SMEs in the materials manufacturing industry, to 59 participants, showcasing as well examples linked to its pilot industries: Polymer, Glass, Composite and Graphite.

DiMAT also gathered feedback from the participating companies by sharing a real-time questionnaire. These insights and experiences help the project in refining its offering to better meet the needs of SMEs in the materials manufacturing sector.

The webinar is available on the [DiMAT YouTube channel](#).



Figure 38: Screenshots of DiMAT first Webinar

Additionally, upcoming webinars, held in collaboration with sister projects, Pioneers Project and metaFacturing, and as part of larger online events, will enhance dissemination efforts and guide DiMAT early adopters in navigating and using the DiMAT solutions effectively.

6.5 DIMAT COMMUNITY

The **DiMAT Community** is launched to drive engagement, scout and create a pool of early adopters for the DiMAT solutions.

Established on the F6S platform, the Community aims to create a pool of interested parties and early adopters who will interact with the solutions, provide feedback, and help update and implement these solutions in their business and operational processes.

It has a dedicated section on the project website where its objectives and added benefits, as well as ways to participate are explained. The website provides a direct referral to the F6S page <https://www.f6s.com/dimat-community>, where the community is established.

Interested parties are guided via DiMAT project website <https://dimat-project.eu/community/> on how to register to the community and what added benefits can be expected.

Prospective members need to create a profile on the F6S page and then join the DiMAT community by answering a simple questionnaire, mainly explaining their profile related to the DiMAT activities and what they expect by joining the community.

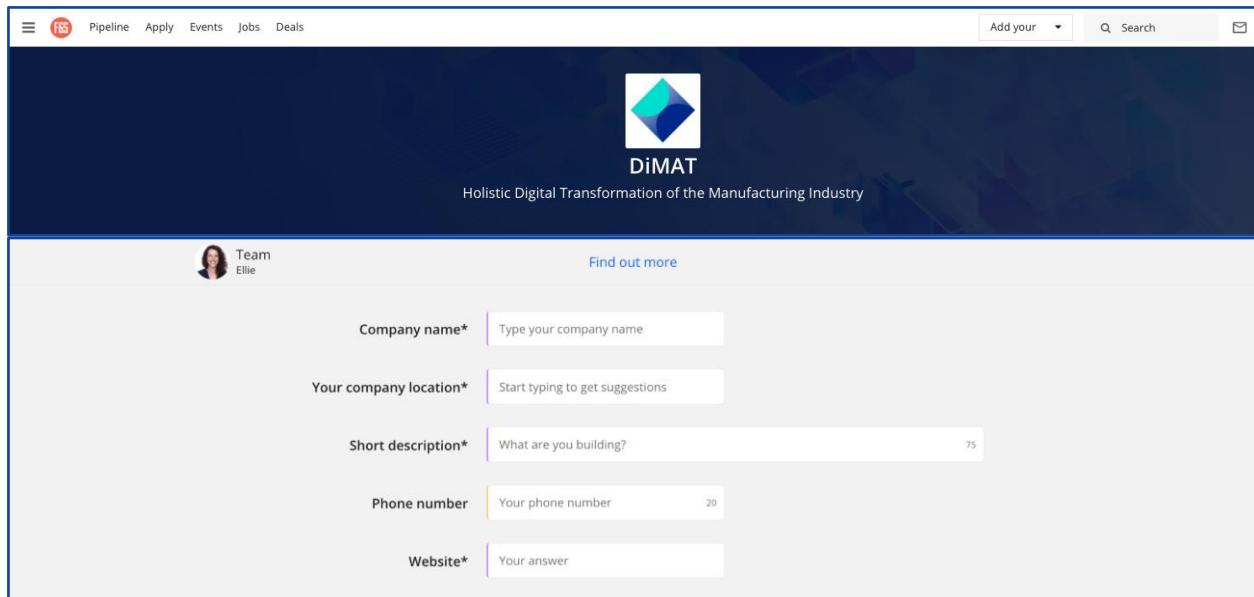


Figure 39: Screenshot of DiMAT F6S Platform page

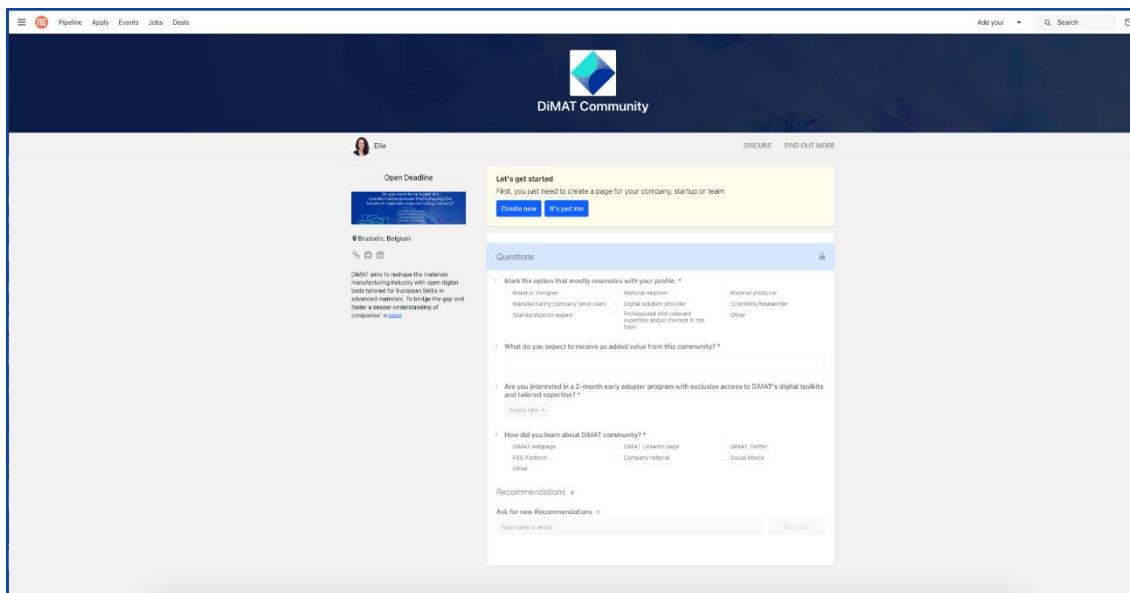


Figure 40: Screenshot of DiMAT F6S Community Page

To [register](#) and enter the platform, the following steps are required:

- To create an F6S account;
- To fill in a brief membership form;
- Start engaging

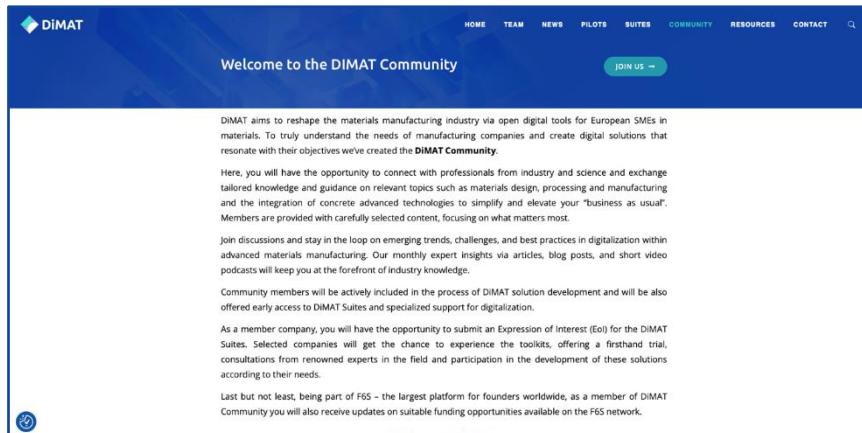


Figure 41: Screenshot of DiMAT F6S Community Page

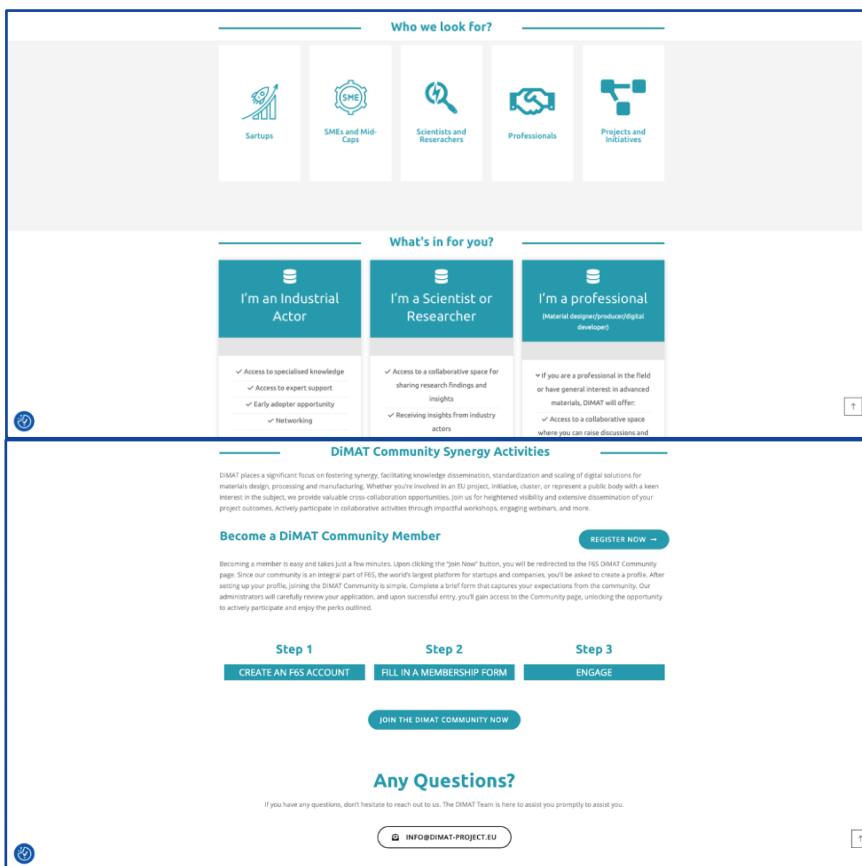


Figure 42: Screenshots of DiMAT Community Page

The DiMAT Community managed on the F6S platform serves to scout and interact with DiMAT interested parties which can be broadly positioned in three larger groups of stakeholders.

1. Industrial Representatives (Startups, SMEs, and Mid-Caps):

This group represents the primary target for DiMAT engagement. They will be reached through the call for early adopters, set to launch in November 2024. These companies are crucial as the project's core objective is to enable the holistic transformation of SMEs in the



material manufacturing industry. Engaging with these industrial actors will allow the project to gather timely feedback, ensuring that the developed solutions align with real market needs and meet the specific requirements of these businesses.

2. General Professionals in Material Manufacturing:

This subgroup consists of individuals working in the material manufacturing sector, but who may not necessarily represent a specific company or hold decision-making power for solution adoption. Despite this, these professionals are actively involved in the operational side of manufacturing and understand the practical challenges of integrating digital solutions to improve processes. They will be engaged through both industrial actors and as independent participants (professional enthusiasts). Their feedback is key for assessing the usability, effectiveness, and potential limitations of DiMAT solutions from a hands-on user perspective. These professionals will be as well targeted via the call for early adopters and will participate in testing, interviews, and focus groups, providing valuable insights for further development.

3. Science and Research Representatives in Material Manufacturing:

This group comprises experts from the science and research community within material manufacturing. Through its acceleration and funding programs, the F6S platform has access to key representatives from this sector. Although these actors will also be targeted through the call for early adopters, their involvement will focus on providing expert feedback and exploring collaboration opportunities. Unlike industrial representatives, they will play a secondary role, offering insights that complement the practical feedback from the primary target group.

Target actors	Subgroups	Profile	Gain out of the Community
Industrial actors (Startups, SMEs and Mid-Caps)	Materials designers	Two types of personas can be distinguished:	<ul style="list-style-type: none"> • Access to specialized knowledge • Access to expert support • Access to digital solutions which can be easily tested
	Material modelers	P1: High level management, including CEO, COO and CTO of an SME who is strategically oriented and wants to learn more about opportunities for process optimization	
	Material producers		



		<p>through digital solutions to be adopted by the company.</p> <p>P2: An employee -professional , for e.g. engineer who would want to learn about available solutions, how they function and how they can facilitate his/her work.</p>	
Professionals	Material designer/producer/digital developer)	Professional in the field or have general interest in advanced materials	<ul style="list-style-type: none"> • Participation in co-development of open digital solutions • Networking • Access to a collaborative space for sharing research findings and insights.
Science and Research	<p>Universities and research institutes specialised in materials design, modelling and simulation, e.g.:</p> <p>Università degli Studi di Salerno; CENTEXBEL; CENTIMFE; IRT Jules Verne; National Technical University of Athens (NTUA); German Aerospace Center (DLR); Ionian University</p>	Researchers and academics in the field of materials design, modeling, and simulation.	<ul style="list-style-type: none"> • Networking opportunities with professionals • Exposure to cutting-edge digital solutions and their applications in materials science.

Table 4: DiMAT Community actors - profiles

We are not aiming to scout a large number of participants, but rather to build a focused and consistent group with the right profiles who can actively engage and provide the necessary feedback for the effective development of **DiMAT** solutions. Our goal is to attract a pool of approximately 30 interested parties, from which we will select 4 to 6 entities to participate in the various activities outlined in the call for early adopters. This target aligns with the number of pilot companies involved in the project, as it allows us to maintain a high-quality collaboration. However, the remaining scouted organizations and professionals will still benefit from direct information and opportunities through the **DiMAT** project, such as participation in webinars, public workshops, and other activities.

Regarding the sustainability of the community, the F6S platform, which is the largest digital network for collaboration and funding opportunities for founders, provides a strong foundation. The platform includes a wide range of organizations, beyond startups, allowing for diverse engagement. The organizations and professionals interested in the **DiMAT** project are profiled on F6S and will continue to receive updates and relevant information about the project throughout its duration and beyond. This includes details and invites for initiatives related to manufacturing, such as funding opportunities, capacity-building activities, and expert collaboration. All third parties who register on the platform have the right and full freedom to indicate how they want to be contacted and for what purposes.

For the long-term sustainability of the **DiMAT** community and its relevance to the consortium, the community can expand further based on ongoing discussions and future collaboration agreements. This can evolve in the form of additional activities such as further testing of the mature **DiMAT** solutions, launching funding programs for pilots, or co-development opportunities. The sustainability strategy will be refined and detailed based on the outcomes of the call for early adopters and the final business model for the **DiMAT** solutions, which will be presented in Deliverable 8.7 "Exploitation and Market Readiness V2".

7 SCIENTIFIC ARTICLES ACCESS

Scientific and technical results are published at workshops and conferences and in leading scientific journals on materials modelling and simulation and related technologies such as AI, Data Analytics and Digital Twins, in accordance with the principles of open access. Additionally, project results are published in Industrial Specialized Press and Forums.

Below you can see some examples of DiMAT available publications:

AITEX Review "[Modelado y simulación digital para el diseño, procesamiento y fabricación de materiales avanzados](#)," introduces new projects like **DiMAT**, outlining their objectives and anticipated outcomes to a broader audience. This kind of sector magazine publication helps bridge the gap between research and industry, facilitating the practical application of advanced materials.



Figure 43: Screenshots of the AITEX magazine that introduces DiMAT

The **Sensors journal** publication "["Digital Twin Meets Knowledge Graph for Intelligent Manufacturing Processes"](#)" showcases collaborative efforts from [NTUA](#) and [Fraunhofer IWM](#), highlighting cutting-edge research on enhancing Digital Twin operations using Knowledge Graphs. This paper, which presents practical applications such as laser glass bending, underscores the critical role of rigorous research in optimizing industrial processes.



Figure 44: Screenshots of NTUA and Fraunhofer IWM Article

The article written by Javier Gómez, Jesús Oroya, Daniel Araya and Javier Sánchez, entitled ["UN ENFOQUE ANALITICO PARA PREDECIR EL FALLO DE TUBERIAS DE PRETENSADO DE GRAN DIAMETRO"](#), was published on the [UPV](#) papers page. The aim of this study is to develop an analytical formulation to assess the damage tolerance of large-diameter pipes and determine the critical number of strands that can break before total failure. An efficient analytical tool is presented to instantly evaluate the failure of prestressed concrete pipes.



Figure 45: Screenshot of "UN ENFOQUE ANALITICO PARA PREDECIR EL FALLO DE TUBERIAS DE PRETENSADO DE GRAN DIAMETRO" Article

8 STATUS OF ASSOCIATED KPIs

The DiMAT project has set highly ambitious KPIs related to communication and dissemination, and the team is working attentively to meet them. After the first twelve months of project implementation, the communication and dissemination strategy were adjusted to focus on more hands-on, interactive content dissemination, aiming to drive traffic and engagement with the project online content within this traditionally conservative and siloed sector. These revised activities are detailed in DiMAT's Communication and Dissemination Strategy V2.

Something that is recognized from the onset of the project is the high target number for the overall website traffic as it can be seen from below. After shifting the strategy and activities we can see a rise in the overall website traffic and the team is committed to boosting the numbers as much as possible in the remaining second half of the project. A core principle of the communication strategy is the logical alignment of the planned activities with their respective KPIs, ensuring they complement each other and support the overall visibility and impact of the DiMAT project.

KPI Name	KPI Index	Target	July 2023	October 2024
Website	Overall website traffic	50 000	1460 website visits 4600 single pageviews	5090 website visits 17512 single pageviews
Video	N. of videos per year; N of views per video	6 500 views per video	0	20
Virtual consulting room	N. of queries per month N of podcasts per year	10 3	0	0
Newsletter	N of newsletter per year N of subscriptions (overall)	2 200	1	3
LinkedIn	N of followers N of publications (per month) N of interactions per publications	1000 2 20	120 2 (per week) 22	482 2 (per week) 230
Twitter	N of followers N of publications (per month) N of interactions per publications	1000 2 20	40 1 per week 20	75 79 50
YouTube	N of followers N of publications (per month) N of interactions per publications	1000 2 20	0 0 0	36 15 98

Workshops	N of workshops per year	2	2	7 (total)
Webinars	N of webinars per year	6	0	1
Scientific papers	N of Scientific papers published N of scientific presentations in congresses	10 10	0	4 18
Blog and Journalism papers	N of journalism papers published	20	15 (blog articles) 1 Journalism paper	35 (Blog articles) 4 Journalism papers
Pressreleases	N of press releases per year	4	1	2

Table 5: KPI Status

An important upcoming effort is the launch of the "Call for Early Adopters" campaign in November 2024, which is expected to significantly boost website traffic. This call will be supported by a series of webinars scheduled for November and December and a press release targeting relevant media outlets.

In addition, the monthly expert opinion articles (journalism papers) published on the website and disseminated via **DiMAT** social media channels will serve as well for supporting the boost of this KPI.

Regarding the "virtual consulting room" KPI, we are tracking two key metrics: "Number of queries per month" and "Number of podcasts per year." The first metric, the number of queries, is directly linked to the upcoming "Call for Early Adopters." The queries will come from both applicants and follow-up organizations participating in the program. These queries will be managed via the **DiMAT** community page on the F6S platform, with results starting to be generated from November 2024 onwards. For the podcast metric, **DiMAT** partners will be featured as guest speakers on established podcasts relevant to the manufacturing sector. After careful analysis, it was agreed that focusing efforts on building connections and positioning ourselves within well-established media channels would be the most effective approach. By leveraging existing platforms, we can reach a wider, more engaged audience. In 2024, **DiMAT** speakers will be featured on the EIT Manufacturing "Art of Making" podcast, and the communication manager is actively working on securing additional opportunities to position the project on other prominent channels.

This strategy not only maximizes visibility but also ensures that the **DiMAT** project benefits from the credibility and audience reach of these established platforms, allowing us to make a greater impact. We are confident this approach will deliver stronger results and support the overall success of the project.

Regarding social media, LinkedIn has emerged as the primary channel for engaging **DiMAT**'s target audience, with the team achieving good results against the period's targets. As seen

in many European projects, platform "X" (formerly Twitter) is becoming ineffective for projects of this type. The **DiMAT** YouTube channel is being utilized as a repository for video content, which is primarily distributed through LinkedIn and the project website.

The project has an excellent number of workshops already conducted up until now – 7 in total with more planned ahead.

Regarding the webinar KPI it is recognized that the project has moved rather slow in the first 18 months of the project with 1 introductory webinar held on the 14th of February 2024. However, this slower start aligns with the development phase and the initial release of the **DiMAT** toolkits, which consumed much of the consortium's focus. The second half of the project will address this KPI, with three external webinars planned by the end of 2024 to attract early adopters, three webinars for the selected organizations from the call, and at least two additional webinars with sister projects in Q1 and Q2 of 2025. Additionally, project partners will participate in well-established external webinars such as EIT Manufacturing "Data bites" online sessions.

When it comes to press releases, **DiMAT** has adopted a quality-over-quantity approach. At this stage **DiMAT** has released two press releases with one more to come until the end of the year. **DiMAT** press releases are carefully drafted to provoke interest in media outlets. Press releases are connected to major news that can be of interest to media, e.g. the "Call for early adopters", "Release of the **DiMAT** toolkits", etc. and are issued accordingly. However, this is compensated via the journalism articles "opinion articles", which with the new strategy in place are issued on a monthly basis and feature a "hot topic" in the material manufacturing field written by experts from the consortium. These opinion articles are widely disseminated via the project's website and social media channels and as well via active outreach to respected media outlets.

By the end of the project, we expect to achieve the majority of the KPIs. We aim to overachieve in some areas and pay particular attention toward the website traffic KPI which is considered the most challenging one. While considerable efforts have been made and continue to be focused on this target, we remain dedicated to maximizing the final outcome. Based on current projections, we anticipate reaching between 15,000 and 20,000 visitors and in terms of page views the target number of 50 000 should be reached. It is important to note that feedback from similar projects suggests that without additional funding or grant incentives to engage third parties, a traffic volume of approximately 15 000 - 20,000 visitors is a typical and realistic benchmark. Given this context, we are confident in our ability to deliver strong results, and the team will continue to focus its efforts to ensure the project's success and maximize its overall impact.

9 CONCLUSION

D8.4 Dissemination Materials, Website, Social Networks and Dissemination Activities outlines the tools and materials created to enhance the visibility and engagement of the **DiMAT** project. It showcases the project's visual identity through a cohesive color palette and typography, ensuring consistency across all communication materials. Key content includes printing materials, presentations, videos, press releases/news, and email newsletters, each designed to effectively communicate the project's progress and achievements to various stakeholders. The website serves as a central hub, structured to provide clear and accessible information aligned with the project's objectives.

The document also presents the materials created to execute **DiMAT**'s social media strategy, encompassing platforms such as LinkedIn, X, and YouTube, to reach and engage a broad audience. The use of hashtags and tags is specified to increase visibility and connectivity within relevant communities.

It additionally gives a visual representation and reference to **DiMAT** active physical presence by consistent attendance at relevant events and the materials created for this purpose.

Reference to the **DiMAT** community is made, by presenting how both the project website and the F6S platform are leveraged to connect with potential early-adopters and collaborators, enhancing the project's network and outreach.

It also provides an overview of the status of achieved communication and dissemination KPIs until M18, with justification and plans for the remaining 18 months on aligning with project expectations.

As showcased, **DiMAT** is dedicated to creating a strong, visible, and engaging presence to achieve its objectives and make a lasting impact.