



COMP-ECO

PROJECT DELIVERABLE

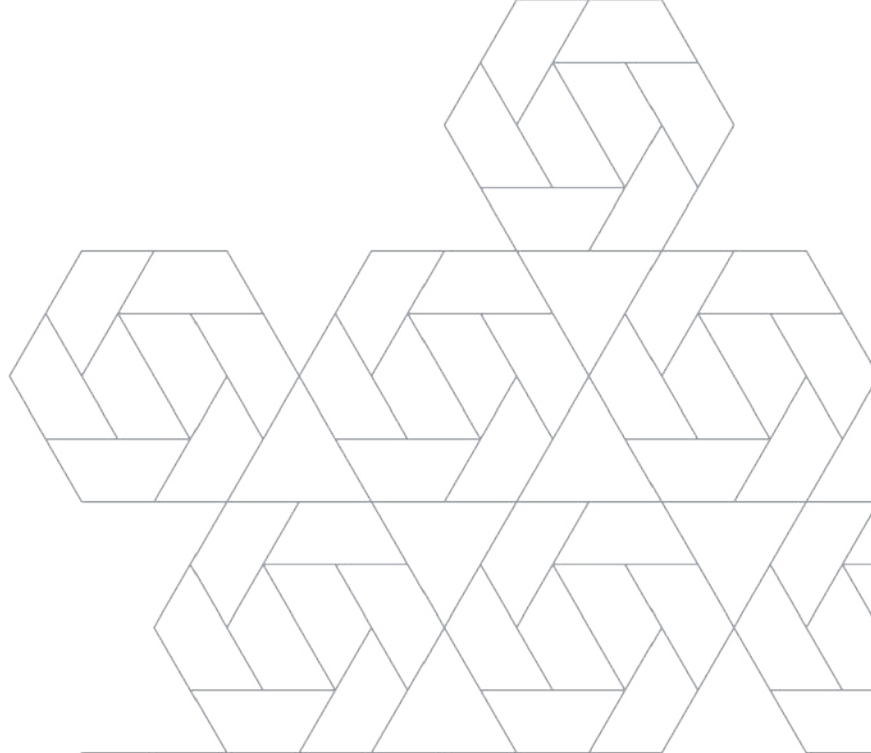
D5.1 DISSEMINATION & EXPLOITATION PLAN INCLUDING COMMUNICATION

LEAD BENEFICIARY:	TPF
AUTHOR(S):	Anna Zmievskaja, Michal Towpik (TPF)
CONTRIBUTOR(S):	Anna Boczowska (WUT), Marta Baran (AFIT), Georgios Tzortzinis (TU Dresden), Otto Bergsma, Roger Groves (TU Delft),
DATE OF ISSUE:	28/02/2023
DISSEMINATION LEVEL:	PU

<https://www.comp-eco.eu/>



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101079250



DOCUMENT HISTORY

Version and date	Changes
1.0 – 16/02/2023	First version, developed by Anna Zmiiievaska (TPF)
1.1 – 22/02/2023	Michal Towpik (TPF) provided edits and contributions
1.2 – 20/02/2023	Anna Boczowska (WUT) provided contributions to section 2.6
1.3 – 20/02/2023	Marta Baran (AFIT) provided contributions to section 2.6
1.4 – 27/02/2023	Georgios Tzortzinis (TU Dresden) provided contributions to section 2 and 3
1.5 – 27/02/2023	Otto Bergsma, Roger Groves (TU Delft) provided contributions to sections 2 and 3
2.0 – 28/02/2023	Final version, developed by Anna Zmiiievaska (TPF)

DISCLAIMER

This document reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.

This document contains information which is proprietary to the COMP-ECO consortium. Neither this document nor the information contained herein shall be used, duplicated or communicated by any means to any third party, in whole or parts, except with the prior written consent of the COMP-ECO coordinator or partner on behalf of the project consortium.



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101079250

CONTENTS

1. Introduction.....	4
1.1. About the COMP-ECO project	4
1.2. Scope of this deliverable	4
2. Dissemination and communication plan	6
2.1. Objectives – Why?	6
2.2 Target audience – Who?	6
2.3 Content – What?	7
2.4 Tools and channels – How?	9
2.5 Evaluation and responsibilities	10
2.6. Dissemination and communication activities planned - Which?.....	12
2.7. Project Identity	18
2.8. Project Website	19
3. Exploitation plan	20
3.1 Objectives – why?	20
3.2 Target audience – Who?	21
3.3 Content – What?	22
3.4 Tools and channels – How?	22
3.5 Evaluation and responsibilities	22
3.6. Exploitation activities planned – Which?	23

1. INTRODUCTION

1.1. ABOUT THE COMP-ECO PROJECT

The COMP-ECO project is aiming at improving the research excellence of the Polish Mazovia region-based ecosystem in the field of Fibre-Reinforced Polymer (FRP) multifunctional composites and smart structures. The ecosystem is formed by 3 organizations: Technology Partners Foundation (TPF), Air Force Institute of Technology (AFIT) and Warsaw University of Technology (WUT). These 3 Polish partners will be supported by two leading EU universities: Delft University of Technology from the Netherlands and Technische Universität Dresden from Germany.

For 3 years the COMP-ECO partners jointly implement exploratory research work to develop a technology for a permanent on-line non-destructive quality assessment of composite structures. For this purpose, 2 possible innovative sensing capabilities are being developed: (1) self-diagnostics capabilities through the introduction of electroconductive carbon nano tubes in the composite's matrix during the manufacturing process and (2) self-sensing capability through embedding PZT sensors, encapsulated in a thermoplastic fibrous material (veils), in the composite structure.

In addition to the research work, the project will organize technical workshops aimed on raising the research profile of Mazovian composite community, and management and administrative training workshops to strengthen research management capacities and administrative skills of the Polish partners' administrative staff.

The COMP-ECO activities will establish and strengthen a regional competence hub formed by TPF, AFIT and WUT, whose increased science and innovation capacities will lead to more ambitious collaboration with top EU research organisations and industry, higher participation in Horizon Europe, and a more attractive educational offer for students and young researchers.

1.2. SCOPE OF THIS DELIVERABLE

This deliverable presents a detailed plan of the COMP-ECO project consortium to ensure proper dissemination, communication and exploitation of project results.

As elaborated in the guidelines about dissemination, communication and exploitation by the EC ([EREA Dissemination and Exploitation page](#), [EREA How to communicate your project page](#)), and also in the Grant Agreement (GA Art. 16 and 17), dissemination, communication, and exploitation activities are separate, but tightly interlinked. They enable a complete framework for presenting, widening the impact and using the project and its results.

The developed Dissemination, communication and exploitation strategy is based on the step-by-step elaboration of the key points, outlined in the figure below. Each step is described in detail in the specific sections of this deliverable.



Image courtesy: EC REA, from the Twinning Coordinators day, September 2022.

This Deliverable has several goals:

- To define and provide a guideline for the implementation of the dissemination, communication and exploitation strategy for all project partners
- To define and elaborate the dissemination, communication and exploitation action points leading to a better visibility and impact of the COMP-ECO project.
- To clearly identify the target audiences of the actions and activities conducted in the project and to define the related key messages
- To identify and elaborate the dissemination, communication and exploitation channels and tools that will be used during and after the course of the project
- To define and provide monitoring and reporting tools and indicators for the dissemination, communication and exploitation activities.

The present document consists of the three separate sections:

- Section 1: presents introductory information about the project and the deliverable content.
- Section 2: presents the COMP-ECO Dissemination and Communication Plan, which describes the approach to be used (i) to raise awareness about the activities carried out in the project and the results achieved, and (ii) to inform the stakeholders beyond the project's own community and the wider audience about the objectives and expected benefits coming from the project.
- Section 3: presents the COMP-ECO project Exploitation Plan, which describes the relevance and objectives of project results exploitation, elaborates the strategy, and defines tools and channels for exploitation.

This document is the first version of the Plan. It will be updated in the course of the project implementation in the context of the periodic reporting of the project (in month 18 and month

36), where a summary of exploitation, dissemination and communication activities performed by the date and those planned for the subsequent period will be outlined.

2. DISSEMINATION AND COMMUNICATION PLAN

2.1. OBJECTIVES – WHY?

Even though there is a visible division among communication and dissemination activities, together they lead to a common goal, and, consequently we are developing a common strategy to make the two coherent and support one another.

The overall aim of **dissemination activities** to be implemented by the COMP-ECO consortium is to raise awareness about the project research and research-related results and ensure they are available for the **audiences interested in the potential use of the results**. The **communication activities** planned in the project are focused on multiple audiences beyond the project own community, including media and the broad public.

In line with this, the **dissemination and communication objectives of the COMP-ECO project** are the following:

- To create the visibility of the COMP-ECO project for target audience and general public at both Polish and European level.
- To raise the international reputation, research profile and attractiveness of TPF-AFIT-WUT and the research profile of its staff.
- To strengthen strategic links with leading international centres of excellence and personal links with top international senior and young researchers.
- To exchange experience with the researchers working in the field to increase impact on scientific excellence.
- To pave the way for a successful commercial and non-commercial exploitation of the project results.

2.2 TARGET AUDIENCE – WHO?

The audiences with a potential interest to use the project results:

- **Internal research community** of TPF, AFIT, WUT, TU Dresden and TU Delft, including early-stage and senior researchers, research leaders, not directly involved in the project implementation
- **External research community** working in the project's field, including academic institutions, research establishments, agencies, R&I associations, etc. (*Łukasiewicz – Institute of Polymer Materials and Dyes, Łukasiewicz – Institute of Aviation, German Aerospace Center (DLR), NLR, TNO, University of Twente, University of Patras, Saxion*)

University of Applied Sciences, Inholland University of Applied Sciences, CNRS, EASN, INEGI, HTWK Leipzig Faculty of Engineering)

- **Academic staff** and students working in the project's filed from Polish and EU schools, high-schools and universities whose curricula include topics in the field of composites (*Lodz Polytechnic University, Silesian University of Technology, Wroclaw University of Science and technology, Warsaw Institute of Aviation, National Technical University of Athens, University of Patras, University of Groningen, Université de Toulouse, University of Twente, KU Leuven, University of Stuttgart*)
- **Members of the Scientific and Industrial Advisory Board (SIAB)**, constituting a potential client / partner base for further advancement of the COMP-ECO technology concepts TRL. The composition of the SIAB is provided in the section 3 below.
- Other **industrial stakeholders** working with composite structures, including growing Polish composite industry, EU industry, SMEs, associations, networks, clusters (*PESA, AIRBUS, ROLLS-ROYCE, GKN-Fokker, SINTEF, AT-P Aviation company, Connova Deutschland GmbH, Coexpair, Airborne, Clean Aviation JU, Polish Composite Cluster, The Dutch Composite Association CompositesNL, NAG, SAMPE Benelux*)
- **Policy makers** and authorities responsible for strategic decisions in R&I and allocation of research funding at national and/or regional level in Poland, Netherlands, and Germany (*National centre for Research and Development of Poland, The Mazovia Marshall Office, The Federal Ministry of Education and Research (BMBF), Dutch Research Council*)
- **General public and society**

2.3 CONTENT – WHAT?

The language we intend to use for dissemination is English, as the wide European and international audience will be targeted. However, in case when the project will be disseminated at Polish level, the messages could be translated in Polish in order to ensure target message acceptance by the auditory and maximize dissemination efficiency.

The following general subjects of dissemination have been identified:

- Project itself (general scope, aim and objectives, partners' contributions and importance of the project to the industry needs)
- Exploratory research results, including demonstrator with self- sensing and SHM capabilities at TRL 4-5
- Materials from workshops, staff exchanges
- Benefits which the project results may potentially provide for different types of stakeholders.

All those subjects will probably not be relevant for all audiences, but they just shall be taken into account for all activities. The style and the content of the dissemination and

communication and the key messages to be conveyed will be adapted and elaborated for each audience considering what the targeted audience wants to know.

The following table presents which subjects of dissemination and communication are relevant to which target audience and which key messages will be highlighted during conveying towards each audience.

Table 1. Dissemination content and messages

Target audience	Appropriate subjects of dissemination	Key messages to be conveyed	Why the audience may be interested
Internal and external research community	project itself; exploratory research results at any stage; materials from workshops and staff exchanges;	Which key scientific advances are achieved by the project in the research field and which further works are planned	To exchange experience and be able to use project outcomes for joint or internal scientific work
Educational community	benefits, which the project may provide		To be able to use project outcomes in educational courses for young scientists
Industrial stakeholders	project itself; final results of exploratory research;	Which potential benefits may the project results provide if applied by the industry	To assess if the project results are suitable for industrial/commercial application and its potential added value
Policy makers	benefits, which the project may provide	Which potential societal and economic benefits the project results may provide	To assess if this field of research and innovation activities worthy investments from public funds
General public and society	project itself; benefits, which the project may provide		To raise awareness on trends in R&I, their potential benefits, and public R&I investments contribution to societal improvements

2.4 TOOLS AND CHANNELS – HOW?

The following **dissemination channels** will be used for effective diffusing project related knowledge and results to each identified target groups:

- **Scientific Publications:** It will be the main tool for dissemination of research results, which allow informing the scientific and academic community about the project achievements, facilitate uptake of the project results in science and education, contribute to further development of methods and ideas presented.

An open access will be provided to all peer-reviewed scientific publications relating to the project results. At the same time, the research data needed to validate the results presented in open access publications will be deposited to the repository, to make it possible for third parties to access, mine, exploit, reproduce and disseminate these data. Where required, information about tools and instruments necessary for validating the result will be also provided.

The considered journals are: Composite Structures (Elsevier; IF: 5.41), Smart Materials and Structures (IOP Publishing; IF: 3.59), Mechanical Systems and Signal Processing (Elsevier; IF: 6.82), Structural Health Monitoring (SAGE Publications; IF: 5.93), Composites Part A: Applied Science and Manufacturing (Elsevier, IF 9.46).

- **Presentations at external conferences, workshops and events:** Participation in conferences and thematic workshops is considered essential for obtaining “feedback” on the acceptance of the project results, both by scientific and academic expert and industry professionals. It will also help the COMP-ECO researchers to intensify collaboration with the European scientific community and potential stakeholders.

The considered conferences are European Aeronautics Science Network International Conference on "Innovation in Aviation & Space for opening New Horizons"; the European Conference on Composite Materials; the European Materials Research Society Conference; European Congress and Exhibition on Advanced Materials and Processes; European / International Workshop on SHM; World / European Conference on NDT, ICCM; ECCM.

- **Participation in trade fairs and exhibitions** focused on composite materials in both active and passive forms, to get acquainted with trends and showcase the scientific results of the project in stand and presentations.

The considered trade fairs and exhibitions are KOMPOZYT EXPO Cracow Trade fair; JEC World – Leading International Composites Show.

- **Presentations of research results to SIAB**, who will provide guidance on industrial needs, scientific state-of-the-art and an appropriate design of the R&I offer.
- **Project own website:** main visibility of the project in the Internet will be ensured by creating a project web-site (see section 2.8)
- **Project Social media account in LinkedIn** is created to intensify the promotion in web: <https://www.linkedin.com/showcase/comp-eco-project/>

- **Social media accounts of the project individual participants**, including LinkedIn and ResearchGate, where they are connected with the fellow researchers and professionals.
- **Project public deliverables**: which will be openly available on the project website and in CORDIS project's page. *These deliverables are: D1.1. Technical report on research activities and demonstrator, D3.1 – D3.3, D3.5 Report and Materials from Technical Workshops, D4.1 – D4.4 - Report and Materials from Administration and Management Workshops, D5.1 Dissemination & Exploitation Plan including Communication, D5.3 Roadmap for industrial implementation of Multifunctional Composites and Smart Structures*
- **Partners' own bulletins, web pages, newsletters**: Information on the Project will be disseminated via the usual Partners' channels to keep the involved researchers updated, stimulate interest of new researchers and students to join Project's activities, use results and take advantage of possibilities, e.g. attending DELFT or DRESDEN Graduate Schools after Project end.
- **Project materials repository**: Materials from workshops, staff exchanges and selected materials from the exploratory research will be catalogued in and disseminated through an on-line repository on the COMP-ECO website for further use by researchers and students to gain state-of-the-art knowledge, by academic staff to develop curricula and by industry to visualise application possibilities.
- **Liaison with relevant projects and associations**: *Made in Europe Partnership, A.SPIRE (TPF is a member), Polish Composites Cluster (TPF and WUT are members), CompositesNL, COST action CA21155 - HISTRATE - Advanced Composites under High STRAin raTEs loading: a route to certification-by-analysis (AFIT and TU Delft are partners), COST Action CA19118 - EsSENce - High-performance Carbon-based composites with Smart properties for Advanced Sensing Applications (TU Dresden is a partner).*
- **Press Releases and media communication**: information will be communicated through the Polish (*the innovation portal of the Mazovia Region, the bulletin of the Polish National Centre for Research and Development & Polish NCP, mailing / www / presentation during annual meeting of the Polish Composites Cluster*) and wide-European and the Commission's communication channels (*Horizon Magazine, research*eu results magazine, CORDIS, etc.*) to inform a wide community on project necessity and results both nationally and internationally.
- **Events**: Participation in public events will help to present the project at national, European or international level, establish links with governmental, advocacy or academic opinion leaders, and engaging in a direct, face-to-face communications and discussions. Target events will include workshops, conferences, networking and B2B events, EU-organized policy events, infodays, round tables, exhibitions, etc.

2.5 EVALUATION AND RESPONSIBILITIES

The dissemination of the project results will be implemented under the Task 5.1 Dissemination activities from M4 to M36. The project communication activities will be implemented under the Task 5.3 Communication activities from M1 to M36.

In order to manage these activities in whatsoever form the consortium has a **Dissemination and Communication Manager (DCM), Anna Zmiievska, TPF. Contacts: anna.zmiievska@technologypartners.pl**

In order to ensure efficient dissemination of the project results, the Dissemination and Communication Manager will:

- Be a central contact point for external communication and will manage all dissemination activities. The DCM is in charge of preparation of the COMP-ECO Dissemination and Communication Plan.
- Monitor the dissemination and communication activities and track achievement of the relevant KPIs.
- Cooperate with the COMP-ECO Data and Innovation Manager and research team to prevent external dissemination and communication of any results deemed feasible for commercial exploitation.
- Maintain an overview of all disseminated results and intervene in case the results, which have been classified as publishable, do not receive the necessary dissemination.
- Ensure that the European Union funding acknowledgment is provided to any dissemination material.

All partners will contribute to dissemination and communication actions in line with the present Plan. Specifically, each partner will:

- Provide a stakeholder list of the different target groups towards whom dissemination, exploitation and communication is targeted. The list will be reviewed and updated on a regular basis, at least once per 6 months.
- Disseminate and communicate the project on their own via both online and offline tools used by the partner on a regular basis, and by using any emerging opportunities and events
- Participate in general project dissemination and communication activities presented in this Plan
- Provide all necessary information for development of dissemination and communication materials, messages and preparation for the dissemination and communication events, as requested by the DCM and Project Coordinator.
- Inform the DCM in advance on any planned dissemination and communication event by filling in the Dissemination and Communication Activities Planner, which is available in the Project Documents shared space on the project website.
- Report on dissemination and communication activities in accordance with the reporting requirements laid down in the Grant Agreement and/or by any request made by the DCM.

2.6. DISSEMINATION AND COMMUNICATION ACTIVITIES PLANNED - WHICH?

Table 2. Dissemination and communication matrix

Channel/tool	KPIs	Target audience						
		Internal research community	External research community	Academic staff	SIAB Members	industrial stakeholders	Policy makers	General public
Scientific Publications in peer-review open access journals	≥ 6 publications							
Presentation of Project's results at relevant conferences	≥ 8 presentations ≥ 100 listeners							
Active participation at trade fairs and exhibitions	≥ 1 stand ≥ 20 visitors of the stand							
Passive participation at trade fairs and exhibitions	≥ 2 attendances ≥ 1 presentation							
Presentations to SIAB	≥ 5 general meetings held Several individual communications							
Project web site	Information on the Project updated every 3 months							
Project social media accounts	LinkedIn profile with ≥ 50 followers; ≥ 2 YT movies							
Project public deliverables	11 public deliverables							
Partners' internal bulletins, web pages, newsletters	Information on the Project							

	updated every 3 months							
Press Releases and media communication	≥ 5 releases							
Participation in relevant events	≥ 200 leaflets distributed, ≥ 30 posters displayed in 1-2 versions							

The Dissemination and Communication Activities Planner below presents the list of activities identified and planned so far by all the consortium partner. It will be regularly reviewed and updated.

Table 3. Dissemination and communication activities Planer

PARTNER	TYPE OF ACTIVITY	DESCRIPTION	DATE	LINK	GEOGRAPHICAL COVERAGE	COMMENTS
TPF	Communication to a general public - website article	Announcement about Grant Agreement signature and expected project start	Jan-23	https://technologypartners.pl/	Europe-wide	
TPF	Communication to a general public - website article	Announcement about project start at Composite cluster portal	May-23	https://kompozyty.net/blog/	National	
TPF	Communication to a general public - website article	Project press release at Chamber of Commerce of high technologies page	Apr-23	https://iztech.pl/e	National	Similar to this article
WUT	Communication to a general public - website article	Announcement about Grant Agreement signature and expected project start	Jan-23	https://www.wim.pw.edu.pl/wim_en/News	Local - in Polish only	
AFIT	Communication to a general public - website article	Announcement about Grant Agreement signature and expected project start	Feb-23	https://itwl.pl/aktualnosci	National	
DRESDEN	Research dissemination - conference/workshop	European Aeronautics Science Network (EASN) Conference	Sep-23	https://easnconference.eu/	International	
DRESDEN	Research dissemination - other event	Internationales Dresdner Leichtbausymposium	Jun-23	https://leichtbausymposium.de/eng/	International	

DRESDEN	Research dissemination - conference/workshop	European Aeronautics Science Network (EASN) Conference	Sep-24	https://easnconference.eu/	International	
DRESDEN	Research dissemination - other event	Internationales Dresdner Leichtbausymposium	Jun-24	https://leichtbausymposium.de/eng/	International	
DRESDEN	Research dissemination - journal paper	Peer-reviewed journal	2025		International	Output of WG5
DRESDEN	Research dissemination - conference/workshop	International Conference of Engineering Against Failure (ICEAF)	2025	https://iceaf.eu/2023/conference-archive	International	The next conference is likely to be held in 2025.
WUT	Research dissemination - conference/workshop	ICCM International Conference on Composite Materials	2024	https://iccm23.org/	International	
WUT	Research dissemination - conference/workshop	PPS Conference on Polimer Processing	2024	https://www.pps-38.org/	International	
WUT	Research dissemination - conference/workshop	ECCM European Conference on Composite Materials	2024	https://www.showsbee.com/fairs/European-Conference-Composite-Materials.html	International	
WUT	Research dissemination - other event	KompozytEXPO	2023	https://kompozyt-expo.pl/	International	
WUT	Research dissemination - other event	KompozytEXPO	2024	https://kompozyt-expo.pl/	International	
WUT	Research dissemination - other event	KompozytEXPO	2025	https://kompozyt-expo.pl/	International	
WUT	Research dissemination - journal paper	Peer-reviewed journal	2024		International	
WUT	Research dissemination - journal paper	Peer-reviewed journal	2025		International	

TU DELFT	Communication to a general public - social media reference	Announcement about project start at linkedin page TU Delft Aerospace Engineering	Feb-23	https://www.linkedin.com/company/tu-delft-aerospace-engineering/posts/?feedView=all	International	
TU DELFT	Communication to a general public - website article	Announcement about project start at tudelft website	Feb-23	https://www.tudelft.nl/en/2023/lr/comp-eco-tu-delft-teams-up-with-polish-composites-ecosystem	International	
TU DELFT	Communication to a general public - email distribution	newsletter to employees of Aerospace engineering	Feb-23	to be published	regional	
AFIT	Research dissemination - conference/workshop	17th Conference Fatigue of Aircraft Structures	Jan-24	-	National	oral presentation
AFIT	Research dissemination - conference/workshop	11th European Workshop on Structural Health Monitoring	Jun 2024	https://www.ewshm2024.com/	International	oral presentation
AFIT	Research dissemination - journal paper	Paper regarding PZT sensors application to composite structures monitoring - title TBD	TBD - depending on the results	Potential Journals: https://www.mdpi.com/journal/sensors https://www.mdpi.com/journal/materials Eksplatacja i Niezawodność – Maintenance and Reliability http://ein.org.pl/ language: COMPOSITES THEORY AND PRACTICE https://kompozyty.ptmk.net/	International	research paper
AFIT	Research dissemination - conference/workshop	20th World Conference on Non-Destructive Testing (20th WCNDT)	2024	https://www.20thwcndt.com/main/main.do	International	NDT Team
AFIT	Research dissemination - conference/workshop	ICCS28 - 28th International Conference on Composite Structures; Faculty	06.2025 or 07.2025	-	International	oral presentation or poster about fracture toughness of

		of Engineering, University of Porto, Portugal				composite structures with embedded SHM sensors
AFIT	Research dissemination - conference/workshop	14 th International Workshop on Structural Health Monitoring (IWSHM)	sep 2025	https://iwshm2023.stanford.edu/	International	oral presentation
AFIT	Research dissemination - journal paper	Peer-reviewed journal	2025		International	NDT Team

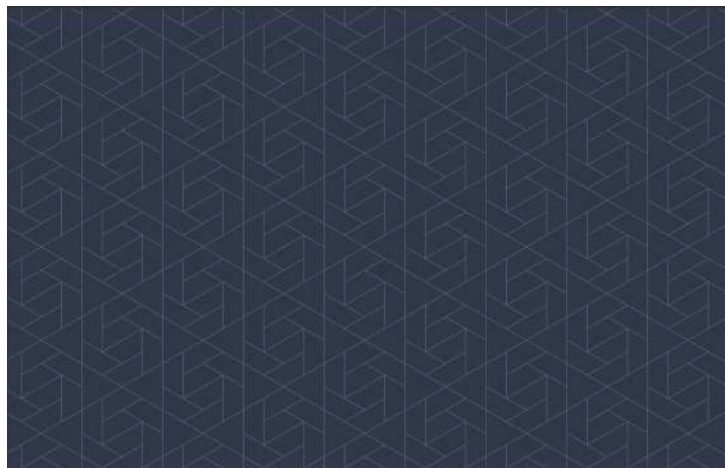
2.7. PROJECT IDENTITY

A graphical identity is composed of visual elements aimed to represent the project to target audience. The COMP-ECO graphical identity includes logo, fonts, colours and text.

The following project logo has been created and would be used in the project's website and all project documents:



The background will be coupled to the Project logo in presentations, brochures, press releases, etc.



Templates for text documents like deliverables (MS Word) and presentations (MS PowerPoint) have been prepared and made accessible for all project participants. The templates are important to give a uniform image of the project and to establish a visual language that will indicate at a glance that the presented information concerns the COMP-ECO project.

The idea of the logo is to demonstrate the twinning essence of the project and reflect the scientific specifics of the project - composite materials. The collaboration of organizations is demonstrated by combining their corporate colors in the logo. The shape and sectioning of the logo show the research area of the project, in particular - layers of composite materials, veils, the shape of the graphene molecule.



2.8. PROJECT WEBSITE

The COMP-ECO project website is available on the Internet under the domain name <https://www.comp-eco.eu/> The hosting has been registered on <https://wix.com/> .

The COMP-ECO project website consists of the following sections, which form the main menu at the top of the website:

- Home
- Consortium
- Research
- Publications
- News
- Contact

The website is implemented in English.

The content of the website is based on the COMP-ECO project Description of Action. The **Home** section presents a brief description of the project aim, logos of each consortium partner with brief description and links to their organisation websites, research capabilities description. The **Consortium** section includes research profile of each project partner. The Research section includes description of the project's research topic, involved capabilities and will outline significant research results as soon as they become available. All the public deliverables and other materials produced over the course of the project will be published in the **Publications** section. Project **News** section is designed in a form of a blog, showing the latest news and activities of the project, and announcements. In the **Contact** section there is also a contact form, and links to the project social media pages. Later on (in M6) the Project materials repository will be included as a separate section.

The website is designed according to the project identity. The logo of the European Union is displayed on each page of the website in the footer.

The website also includes a feature of the restricted Partner's area, where the internal exchange of the project documents and materials is organized between the consortium partners in a convenient way.

The partner responsible for maintenance of the project website is TPF. Other consortium partners support TPF by providing content for the website.

Over the course of the project the website will be regularly updated. Namely, all the news related to the project will be published in the “News” section. Project public deliverables, research publications, etc. will be published in the Publications section.



Figure 1. Screenshot of project website

3. EXPLOITATION PLAN

3.1 OBJECTIVES – WHY?

Though the COMP-ECO project is a Coordination and Support action, the Project is expected to generate new knowledge, mainly in relation to the performance of the exploratory research in WP1. This new knowledge will have a strong progress beyond the state-of-the-art, high innovation potential and significant economic value.

Project results are especially targeting aerospace industrial stakeholders with Project results potentially contributing to developing composite products with such added values as improved maintenance efficiency, safety, improved electroconductivity as compared to currently available products.

Therefore, it is important to ensure exploitation of project results for scientific, societal or economic purposes. The exploitation objectives of the COMP-ECO project are the following:

- To identify exploitable project results.
- To select proper exploitation approach for project results

- To ensure appropriate protection of exploitable project results
- To identify the stakeholders and potential end-users and optimize exploitable results to their needs

3.2 TARGET AUDIENCE – WHO?

- **Members of the Scientific and Industrial Advisory Board (SIAB)**, constituting a potential client / partner base for further advancement of the COMP-ECO technology concepts TRL.

The preliminary composition of the SIAB:

Name	Organization	Position	Status of involvement
Prof. Vassilis Kostopoulos	University of Patras	Director of Applied Mechanics Laboratory (AML)	Participation approved
Prof. Robert Böhm	Leipzig University of Applied Sciences, Germany	Professor for Composite Lightweight Engineering	Invitation sent
Dr.-Ing. Thomas Heber	Regional cluster CU • Ost of Composites United e.V. (CU)		Invitation sent
Dr.-Ing. Karsten Wippler	Leichtbau-Zentrum Sachsen GmbH (LZS) - LZS GmbH		Invitation sent
Dr Tomasz Antoniewski	AT-P Aviation company	Owner and CEO	Invitation sent
Dr Andrzej Czulak	Polish Composites Cluster	CEO	Invitation sent
Tahira Ahmed	The Dutch Composites Association CompositesNL	Chair	Invitation sent
TBD	PESA	TBD	
TBD	Rolls Roys	TBD	

- Other **industrial stakeholders** working with composite structures, including growing Polish composite industry, EU industry, SMEs, associations, networks, clusters (*see examples of organizations in Section 2.2*)
- **Internal and external research community** working in the project's field, including academic institutions, research establishments, agencies, R&I associations, etc. (*see examples of organizations in Section 2.2*)
- **Policy makers** and authorities responsible for strategic decisions in R&I and allocation of research funding at national and/or regional level in Poland, Netherlands, and Germany. (*see examples of organizations in Section 2.2*)

3.3 CONTENT – WHAT?

The following exploitable results are considered:

- Industrial Implementation Roadmap for Multifunctional Composites and Smart Structures (Project Deliverable D5.3)
- A long-term joint research strategy in the field of multifunctional composites and smart structures (Project Deliverable D2.2)
- Exploratory research results, including demonstrator (intermediate and final to be outlined in Project Deliverable D1.1 - Technical report on research activities and demonstrator)

3.4 TOOLS AND CHANNELS – HOW?

The following Exploitation Channels are considered:

- **Presentations of research results to SIAB**, who will provide guidance on industrial needs, scientific state-of-the-art and an appropriate design of the R&I offer.
- **Further internal research or collaborative research** of the Mazovia-based ecosystem of FTP-AFIT-WUT to advance TRL of developed technologies
- **Participation in EC funded proposals** to get involved in collaborative research projects to advance TRL of developed technologies
- Exploring possibilities to develop tri- or bi-lateral **collaboration funding schemes** addressing the multifunctional FRP and smart structures domain (which is a specialization at Polish- national and Mazovian-regional level).
- **Filing the EU patent application** depending on the results achieved

3.5 EVALUATION AND RESPONSIBILITIES

The dissemination of the project results will be implemented under the Task 5.2 Exploitation activities from M4 to M36.

Realization of Exploitation Plan within the project implementation period and beyond will be facilitated by the **Innovation and Data Manager (IDM) - Rafał Kozera, PhD (eng.), TPF, rafal.kozera@technologypartners.pl**. In order to provide maximum efficiency of the project results exploitation, the IDM will:

- Coordinate exploitation activities implemented by the consortium
- Monitor the project activities with a focus on exploitability of project results and ensure immediate adjustment of research if potential exploitability is under the threat.
- Monitor the R&D and IP landscape in the area of interest, relevant market(s) to identify potential partners and existing/emerging competitors to be in line with the latest developments and be able to adjust the project activities to maximize exploitable potential of the project results.

- Cooperate with the COMP-ECO SIAB members to incorporate their high-level expectations and needs into the R&D strategy.
- Establish contacts with potential stakeholders, adopters and end-users of the project R&I results.
- Cooperate with the Dissemination and Communication Manager to ensure efficient dissemination and communication of project results to potential end users to facilitate exploitation.

All partners will contribute to exploitation in line with the present Plan. Specifically, each partner will:

- Provide a list of the potential SIAB members, establish contacts and agree the involvement with the member(s).
- Identify and provide a list of the potential stakeholders towards whom exploitation is targeted.
- Elaborate the ways of approaching potential stakeholders (industry, SMEs, policy makers) and approach them individually or as a part of joint project effort
- Implement regular review of calls for proposals to implement the elaborated Roadmap. The calls of interest considered so far are: Horizon Europe calls under Cluster 4 and Cluster 5, “Made in EU” partnership, M.ERA-NET, national / bilateral and other calls.
- Provide all necessary information for exploitation activities as requested by the IDM and Project Coordinator.
- Report on exploitation activities in accordance with the reporting requirements laid down in the Grant Agreement and/or by any request made by the IDM and Project Coordinator.

3.6. EXPLOITATION ACTIVITIES PLANNED – WHICH?

Table 4. Exploitation activities

Exploitable result	Exploitation Activity	Target audience	KPIs
Industrial Implementation Roadmap for Multifunctional Composites and Smart Structures (D5.3)	A review of suitable calls to implement the elaborated Roadmap will be done. HE calls (CL 4 and 5, “Made in EU” partnership in particular), M.ERA-NET, national / bilateral and other calls, as well as possibilities of teaming with other research groups will be analysed. (M1-M36 & beyond Project)	Partners’ researchers, SIAB, external potential research and industrial partners	≥ 4 joint research proposals, including ≥ 1 coordinated by the Polish partners, submitted within the period of the Project and 3 years beyond, with ≥

			6 Polish partners (3 from the Project and 3 additional companies) participating in them.
A long-term joint research strategy in the field of multifunctional composites and smart structures (D2.2)	Based on the Project's results and collaboration opportunities identified policy makers responsible for research funding at national and/or regional level in PL-NL-DE will be approached to explore possibilities to develop tri- or bi-lateral collaboration funding schemes addressing the multifunctional FRP and smart structures domain (which is a specialisation at Polish- national and Mazovian-regional level). (M24-36)	Policy makers	≥ 3 approaches
Exploratory research results, including demonstrator	Should the results of the exploratory research be worth patenting, the consortium will prepare an appropriate agreement and initiate an EU patent application.	External research and industry in the Project's field	0-1 patent applications, depending on the results achieved
	Project results are especially targeting aerospace industrial stakeholders with Project results potentially contributing to developing products with such value added as: more electroconductive composites, better structure stress monitoring, higher sensors accuracy as compared to currently available products. The SIAB already includes the ATP aerospace company.	Industry, mainly aerospace.	Discussion on potential routes for bringing research results to market