



Funded by
the European Union



TWIN-IT-ROMANS - 101160215

Dissemination Activities

Rev-A

30.09.2025

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Dissemination, Exploitation and Communication Activities

This report provides an overview of the dissemination, exploitation and communication activities carried out through several measures such as publications, social media channels and events for the TWIN-IT-ROMANS project during the reporting period (August 2024 – August 2025). Table 1 shows the summary of dissemination activities, their expected impact and target values.

Table 1. Dissemination Activities

Dissemination													
Measure	Target audience							Expected Impact	Target Value (KPIs per year)				
	A	B	C	D	E	F	G		1	2	3	Total	
Publications	X		X					X	Bringing TWIN-IT-ROMANS's concept and scientific results formally out to the community	1	2	3	6
Workshops	X	X	X	X	X				Audience questions about TWIN-IT-ROMANS's concept and scientific results can be answered	2	2	1	5
Conferences	X	X	X	X	X			X	Sharing TWIN-IT-ROMANS know-how with participants from different sectors	3	3	0	6
Academic dissertations	X							X	Presenting TWIN-IT-ROMANS's scientific results in academic literature	0	0	4	4
Outreach activities	X		X	X	X	X			Reaching general public through open-door activities	2	2	1	5
Open-source data	X		X	X	X	X	X		Open source to speed up technology take up	1	1	1	3
Short term trainings	X		X	X	X			X	Rapid and personal transfer to knowledge from experts via on-site or virtual trainings	6	8	6	20
Summer School	X		X	X				X	Sharing TWIN-IT-ROMANS know-how with researchers of TWIN-IT-ROMANS and researchers to contribute the target area	1	0	0	1

(A) Scientific Community, (B) Policy Makers, (C) Robotics Industry, (D) Manufacturing Industry, (E) Authorities, (F) General Public, and (G) Sector of Interest.

1. Publications and Conferences

Publications so far include three conference papers presented in IFToMM for Sustainable Development Goals (I4SDG 2025) and 30th IEEE International Conference on Emerging Technologies and Factory Automation.

- Türkcan, M.Y., Kurt, B., Karaş, B., Tetik, H., Shokrani, A., Dede, M.İ.C. (2025). Towards Sustainable Manufacturing: A Review and Future Directions in Additive Manufacturing of Fiber-Reinforced Polymer Composites. In: Carbone, G., Quaglia, G. (eds) Proceedings of I4SDG Workshop 2025 - IFToMM for Sustainable Development Goals. I4SDG 2025. Mechanisms and Machine Science, vol 179. Springer, Cham. https://doi.org/10.1007/978-3-031-91151-4_62
- Gündüz, G.M., Dede, M.İ.C., Kiper, G., Schmitz, M., Corves, B. (2025). Redundancy Resolution Options for the Twin-it-Romans Robotic Hybrid Manufacturing System. In: Carbone, G., Quaglia, G. (eds) Proceedings of I4SDG Workshop 2025 - IFToMM for Sustainable Development Goals. I4SDG 2025. Mechanisms and Machine Science, vol 179. Springer, Cham. https://doi.org/10.1007/978-3-031-91151-4_61

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- Hasan Cezayirli, Halil Tetik, Mehmet İsmet Can Dede, Wai Lwin Phone, Bugra Alkan, (2025). A Comparative Study of Attention-Augmented YOLO Architectures for Defect Detection in Fused Deposition Modelling, 30th IEEE International Conference on Emerging Technologies and Factory Automation

2. Workshops

The workshops that are listed below were carried out in the first year of the project.

- February 2025: Workshop on Sustainability (Turin, Italy)
- September 2025: Workshop on Components (Izmir, Türkiye)

The workshops that are listed below will be carried out in the following years.

- May 2026: Workshop on Intelligent Manufacturing (London, England)
- September 2026: Workshop on Components 2 (Izmir, Türkiye)
- Summer 2027: Workshop on Sustainability, (Bath, England)

3. Outreach Activities

Three outreach activities have been conducted during the first year of the project which are listed below.

- The Youth will win with Science IZTECH, May 2025
- Women in Engineering, highschool outreach, February 2025
- Highschool visit in Izmir (Radikal Private Highschool), March 2025



Figure 1. Outreach Activities

TWIN-IT-ROMANS engaged with the next generation of engineers and scientists. High school students were invited to visit project labs and attend the outreach event “*Science Will Win with Youth*”, organised in collaboration with Pfizer Turkey and Bilim Kahramanları Derneği. During these

visits, project researchers introduced robotics, hybrid manufacturing, and sustainability concepts, creating awareness of the societal and environmental impact of advanced manufacturing. Gender Equality Manager also delivered a speech on Gender Equality and practices in the work environment to raise awareness.

4. Short-term Trainings

The planned short-term training for the ESRs is given in Table 2. Number 4, 7 and 10 have been carried out by ESRs. Green rows in the figure shows the researcher trainings and Number 13 and part of Number 14 and Number 15 have been carried out by Dr Halil Tetik and Büşra Karaş.

Table 2. Short term trainings for ESRs and Researchers

#	Trainee	Trainer	Planned Time/Duration
1	ESR1	UBAH	Fall 2025
2	ESR1	UBAH	Fall 2026
3	ESR1	UBAH	Spring 2027
4	ESR2	RWTH	Spring 2025
5	ESR2	RWTH	Spring 2026
6	ESR2	RWTH	Fall 2026
7	ESR3	LSBU	Spring 2025
8	ESR3	LSBU	Spring 2026
9	ESR3	LSBU	Spring 2027
10	ESR4	POLITO	Spring 2025
11	ESR4	POLITO	Fall 2026
12	ESR4	POLITO	Spring 2027
13	Büşra Karaş	LSBU	Summer 2025 (Secondary 2 weeks)
14	Büşra Karaş	UBAH	Semester Break 2025 (1 month – Part 1)
			Semester Break 2026 (1 month – Part 2)
15	Halil Tetik	UBAH	Summer 2025 (Secondary 2 weeks)
16	Halil Tetik	LSBU	Semester Break 2026 (1 month – Part 1)
			Summer 2026 (1 month – Part 2)
17	Gökhan Kiper	POLITO	Semester Break 2026 (Secondary 2 weeks)
18	Gökhan Kiper	RWTH	Summer 2026 (1 month – Part 1)
			Semester Break 2027 (1 month – Part 2)
19	Can Dede	RWTH	Summer 2026 (Secondary 2 weeks)
20	Can Dede	POLITO	Semester Break 2026 (1 month – Part 1)
			Semester Break 2027 (1 month – Part 2)

Target value of 6 for the first year short-term trainings was achieved.

5. Summer School

The *Summer School on Robot-Assisted Milling and 3D Printing* (Innsbruck, July–August 2025) was promoted widely through LinkedIn and the project website. Registration was free, encouraging participation from PhD students, early-stage researchers, and industrial representatives. These activities extended project visibility beyond academic circles, strengthening industry collaboration and

inspiring younger audiences. They also contributed to Horizon Europe’s goal of promoting science education and public engagement. More detailed information is given in the report on summer school D4.1.



Figure 2. Company visit during summer school

Exploitation Activities

In addition to social media and website dissemination, TWIN-IT-ROMANS has actively engaged stakeholders through in-person and online events. These activities ensured that the project reached academic, industrial, and public audiences, including the younger generation.

Workshops and Professional Engagements

- The project organised dedicated workshops (e.g., *Workshop on Sustainability (WoS)*, Turin, February 2025) where companies, researchers, and policy stakeholders were invited. Invitations were sent directly to industrial contacts, local manufacturing SMEs, and through partner networks.



Figure 3. Seminar given by Head of Business Development at KUKA at the WoS

- Stakeholders are invited to Workshop on Components, İzmir, September 2025 to create more collaborations.

Communication Activities (Social Media)

The purpose of this report is to summarise the project's social media and website activities as part of the dissemination and communication strategy. It documents the content shared, the audience reached, and the impact generated. The main focus is on LinkedIn, the official project website, and X (Twitter). Activities include project updates, partner highlights, event announcements, and outreach initiatives. Analytics demonstrate strong visibility and engagement with the wider research and industrial community.

The project utilises three main online channels for dissemination:

- LinkedIn (official project page)
- Official project website (hosted by IZTECH)
- X (Twitter)

Content includes project news, events, research outcomes, and partner highlights. Analytics were collected using LinkedIn native insights, website backend statistics, and available data from X. Screenshots and examples are provided as annexes.

LinkedIn

The TWIN-IT-ROMANS LinkedIn page is the primary social media dissemination channel. As of August 2025, the page has 241 followers. Between August 2024 and August 2025, the page achieved:

- 60,925 impressions
- 1,373 reactions
- 5 comments
- 12 reposts

Content posted covered project milestones, partner events, exchanges, and outreach activities.

Representative posts included:

- Announcement of the Summer School in Innsbruck (July–August 2025)
- First senior researcher exchange with University of Bath

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- Conference paper acceptances at IFToMM SDG (June 2025)
 - Outreach event 'Science Will Win with Youth' (April 2025)
 - Intellectual Property training session with RWTH Innovation
 - Early Stage Researcher exchanges with RWTH Aachen and Polito

See Annex I for screenshots and detailed post overview.

Website

The official project website (<https://twin-it-romans.iyte.edu.tr/>) serves as a central information hub. It includes project objectives, consortium information, news updates, and dedicated pages for events. During the reporting period, the website featured announcements such as:

- Summer School on Robot-Assisted Milling and 3D Printing (Innsbruck, 2025)
- Workshop on Components (Izmir, September 2025)

Website analytics and screenshots are provided in Annex II.

X (Twitter)

The TWIN-IT-ROMANS X account was created as part of the dissemination plan.

Social media activities have significantly enhanced the visibility of TWIN-IT-ROMANS across academia, industry, and the general public. Cross-channel promotion of events ensured strong engagement, as reflected by the 60,925 impressions on LinkedIn alone. Engagement with followers, partners, and external stakeholders demonstrates that the project is successfully reaching its target audience.

Press Release

The project has been announced via a local newspaper in Izmir.



Figure 4. Press Release Image

Next Steps

Future dissemination plans include:

- Increased use of video content and live event coverage.
- More regular website news updates.
- Consideration of a project newsletter.
- Continuation of outreach activities.
- Regular visits to stakeholders.

Annex

Annex I: LinkedIn post screenshots



Annex I 1. Announcement of the Summer School in Innsbruck (July–August 2025)

TWIN-IT-ROMANS
241 takipçi
1 ay • 🌐

Kicking Off Our First Senior Researcher Exchange

TWIN-IT-ROMANS has officially launched its ...daha fazla



UNIVERSITY OF BATH
Büşra Karaş ve 3 diğer kişi ile

Siz ve 153 diğer kişi 2 yorum · 3 paylaşım

Beğen Yorum Yap Paylaş Gönder

Annex I 2. First senior researcher exchange with University of Bath

TWIN-IT-ROMANS
241 takipçi
2 ay • 🌐

We are excited to share that at the IFToMM for Sustainable Development Goals (I4SDG) conference, held June 9-12, 2025 in Italy, our team made its debut with ...daha fazla



Mehmet İsmet Can Dede ve 2 diğer kişi ile

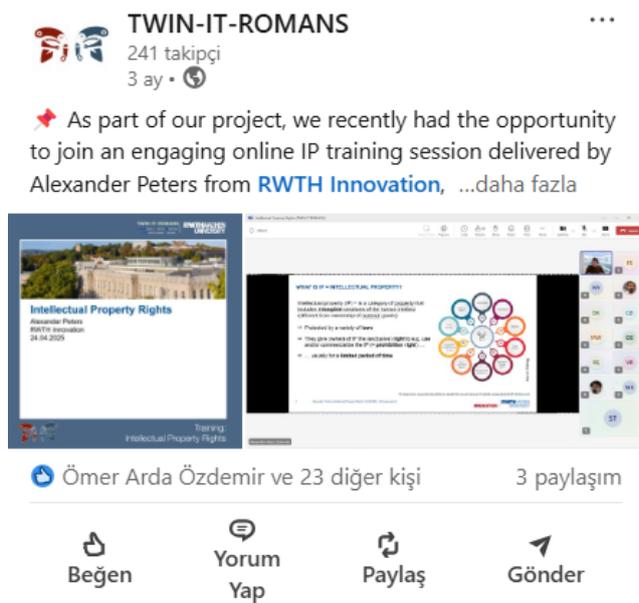
Siz ve 72 diğer kişi 4 paylaşım

Beğen Yorum Paylaş Gönder

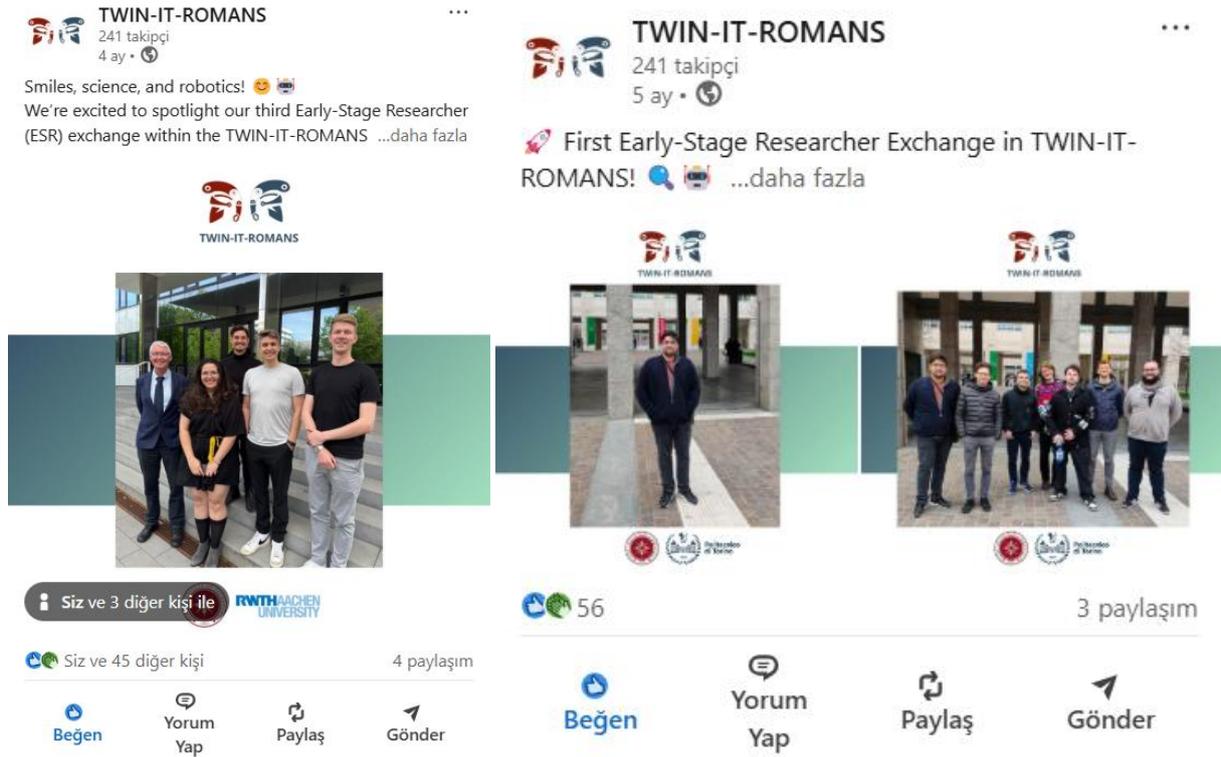
Annex I 3. Conference paper acceptances at IFToMM SDG (June 2025)



Annex I 4. Outreach event 'Science Will Win with Youth' (April 2025)

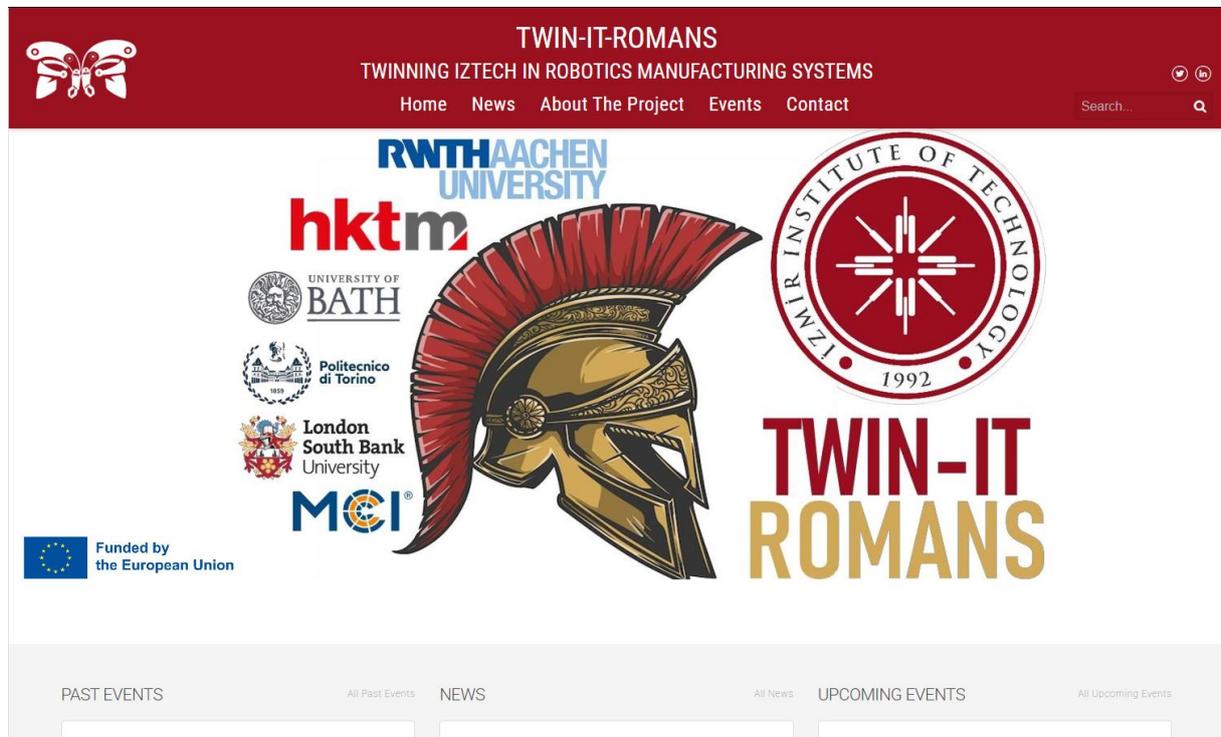


Annex I 5. Intellectual Property training session with RWTH Innovation



Annex I 6. Early Stage Researcher exchanges with RWTH Aachen and Polito

Annex II: Website screenshots and analytics

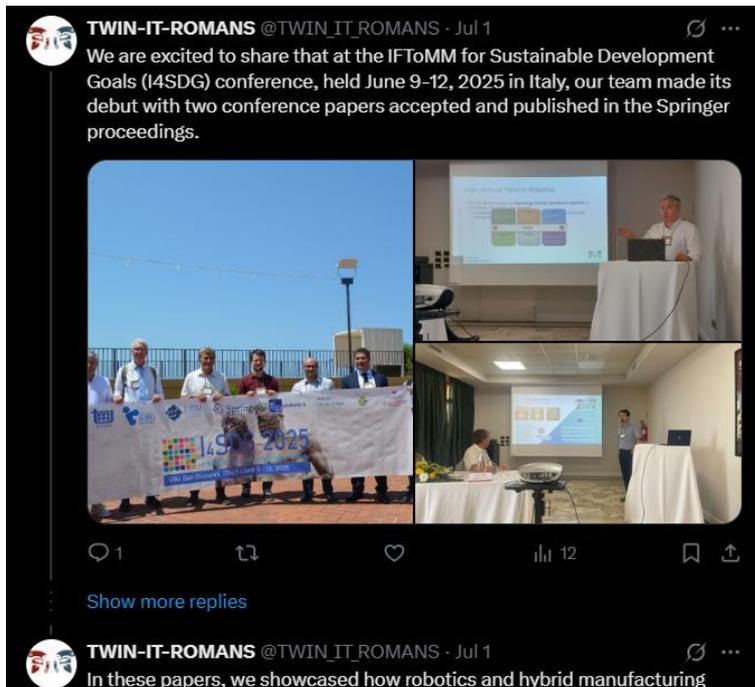


Annex II 1: Website of Twin-it-romans screenshots

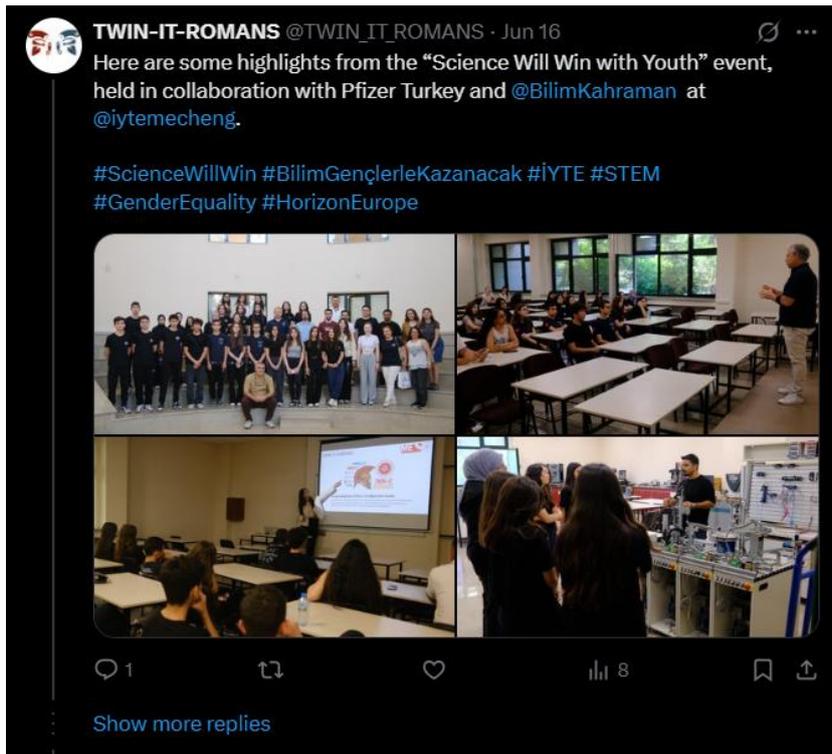
Annex III: X content and hashtags



Annex III 1. First senior researcher exchange with University of Bath



Annex III 2. Conference paper acceptances at IFToMM SDG (June 2025)



Annex III 3. Outreach event 'Science Will Win with Youth' (April 2025)



Annex III 4. Early Stage Researcher exchanges with LSBU



Annex III 5. Workshop on Sustainability at Politecnico di Torino (June 2025)



Annex III 6. Kick-off meeting at IzTech (June 2024)