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Summary

The objective of this deliverable is to present the dissemination plan of the DiManD project over the project's period. It is divided into the sections of: Scientific publications, participation to fairs and workshops, press releases, Non-scientific and non-peer-reviewed publications (popularised publication, exhibitions and trade fairs, websites, social media, communication campaign, realisation of videos and films), the creation of dissemination material as posters, flyers as well as newsletter for external dissemination, brokerage events, pitch events, participation in activities organised jointly with other H2020 projects and other activities.

Team involved in deliverable writing: All beneficiaries

1 Introduction

This deliverable presents the dissemination and communication plan to ensure that the results of the DiManD programme are effectively communicated to European industry, associations, stakeholders (including universities, research and technology organisations), and the public domain.

Dissemination includes scientific dissemination explained in section 1, other dissemination and communication activities for stakeholders in section 3. Public dissemination is explained in section 1 and outreach activities (public engagement) to be performed by each beneficiary are specified in section 1.

The dissemination and outreach work (public engagement) across the DiManD network and is led by the Dissemination and Exploitation Coordinator (DEC) who will work with the stakeholders to ensure that research is properly disseminated, and any new Intellectual Property is adequately protected.

2 Planned Scientific Publications

Scientific dissemination for the ESR PhD studies will include major papers in high impact open access journals and presentations at leading national and international conferences.

Table 1: Planned scientific publications

Type of publication:	Title of the Scientific Publication	Authors	Title of the Journal or equivalent	Publisher	Place of publication	Year of publication (planned)	Peer-review	Open access	Partner involved	ESR Number (if related to one ESR)
<ul style="list-style-type: none"> • Article in Journal • Publication in conference proceedings/Workshop • Publication in conference • Books / Monographs • Chapters in books • Thesis/Dissertation • ... 										
Journal article	Open Evolvable Assembly Systems Architecture (working title)	ESR1, Jack C Chaplin, Brian Logan, Svetan Ratchev.	International Journal of Computer Integrated Manufacturing	Taylor Francis	UK	2021	Yes	Gold	UNOTT	ESR 1
Journal Article	Implementation of	ESR1, CAM	The International	Springer	Germany	2022	Yes	Gold	Nottingham	ESR1

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	Open Evolvable Assembly Systems for Aerospace Manufacturing Applications (working title)	Partner, Jack C Chaplin, Brian Logan, Svetan Ratchev.	Journal of Advanced Manufacturing Technology						Centre for Aerospace Manufacturing	
Journal Article	Implementation of Open Evolvable Assembly Systems for Aerospace Manufacturing Applications (working title)	ESR1, CAM Partner, Jack C Chaplin, Brian Logan, Svetan Ratchev.	The International Journal of Advanced Manufacturing Technology	Springer	Germany	2022	Yes	Gold	Nottingham Centre for Aerospace Manufacturing	ESR 1
Journal Article		ESR1, CAM Partner, Jack	Journal of Intelligent	Springer	Germany	2022	Yes	Gold	UNOTT	ESR1

		C Chaplin, Brian Logan, Svetan Ratchev.	Information Systems							
Conference paper (and presentation)	Multi-Agent Systems for Intelligent, Open, Evolvable Assembly Systems (working title)	ESR1, Brian Logan, Jack C Chaplin, Svetan Ratchev.	International Conference on Autonomous Agents and Multiagent Systems (AAMAS)	ACM	Conference location: New Zealand Proceedings: USA	2022	Yes	Gold	UNOTT	ESR 1
Conference paper (and presentation)	Layered Semantic Model for Open Information Exchange in Evolvable Assembly Systems (working title)	ESR1, Jack C Chaplin, Brian Logan, Svetan Ratchev.	IFAC Symposium on Information Control Problems in Manufacturing (INCOM)	IFAC	Conference location: Hungary Proceedings: Elsevier, Netherlands	2021	Yes	Gold	UNOTT	ESR 1

Publication in Conference	Towards intelligent adaptive control systems using Reinforcement Learning (working title)	ESR2, G Martinez Arellano, Atanas Popov, Svetan Ratchev	CIRP Conference on Intelligent Computation in Manufacturing Engineering	Elsevier	Conference location: Germany Proceedings: Elsevier, Netherlands	2021	Yes	Gold	UNOTT	ESR 2
Publication in Conference	Individual and collective self-learning approach for adaptive control	ESR2, G Martinez Arellano, Atanas Popov, Svetan Ratchev	International Conference on Machine Learning and Applications	IEEE	USA	2021	Yes	Gold	UNOTT	ESR 2
Journal publication	Self-learning for adaptive control systems	ESR2, G Martinez Arellano, Atanas Popov,	Journal of Manufacturing Science and Technology	Elsevier	Germany	2022	Yes	Gold	UNOTT	ESR 2

	(working title)	Svetan Ratchev								
Publication in conference			IEEE ICSC : International Conference on Semantic Computin ACM CHI Virtual Conference on Human Factors in Computing Systems	IEEE ACM	JSA Online	2022	Yes	No	MGEP	ESR 3
Publication in conference proceedings/Workshop			EADE 2022	Srpinger	Brazil	2022	Yes	No	MGEP	ESR 3
Article in Journal			International Journal on Semantic Web and Information Systems	IOS Press	Netherlands	2022	Yes	Yes	MGEP	ESR 3

Article in Journal			Journal of Data Semantics	Springer	Germany	2023	Yes	Yes	MGEP	ESR 3
Journal Article	Human-Centered Design in Industry 4.0: Case study review and opportunities for future research	Ganix Lasa Erle Ion Iriarte Azpiazu Nguyen Ngoc Hien	Journal of Intelligent Manufacturing	SpringerLink	Germany	Plan: Dec, 2020 Actual: Nov, 30 2020	Yes	Yes	MGEP	ESR 4
Journal Article	Human-centered design for advanced services: a multidimensional design methodologyAdvanced Services	Ganix Lasa Erle Ion Iriarte Azpiazu Nguyen Ngoc Hien	Advanced Engineering Informatics	Elsevier	Netherlands	Aug 2022	Yes	Yes	MGEP	ESR4



	in Industry 4.0									
Journal Article	Datasets of skills-rating questionnaires for advanced service design through expert knowledge elicitation	Ganix Lasa Erle Ion Iriarte Azpiazu Nguyen Ngoc Hien	Scientific Data	Nature	UK	June 2022	Yes	Yes	MGEP	ESR4
Publication in conference proceedings/Workshop	Human - Centred Design in the context of Servitization in Industry 4.0. A Collaborative Approach	Ganix Lasa Erle Ion Iriarte Azpiazu Nguyen Ngoc Hien	30th RESER International Congress	Springer	Lisbon	Plan: Mar, 2021 Actual: 18, Dec, 2020	Yes	No	MGEP	ESR4

Publication in conference proceedings/Workshop	An overview of Industry 4.0 Applications for Advanced Maintenance Services	Ganix Lasa Erle Ion Iriarte Azpiazu Nguyen Ngoc Hien	International Conference on Industry 4.0 and Smart Manufacturing	Springer	Online	Mar, 2022 Actual: Nov, 2021	Yes	No	MGEP	ESR4
Publication in conference proceedings/Workshop	The configurable HCD for industrie 4.0: Advanced service innovation - 2 Industrial Case Studies	Ganix Lasa Erle Ion Iriarte Azpiazu Nguyen Ngoc Hien	CIDIP2022 EADE 2022	Srpinger	Brazil	Dec, 2022	Yes	No	MGEP	ESR4
Publication in conference/workshop proceedings	Towards a DevOps approach in	Miriam Ugarte, Leire	Safecomp DepDevOps	Springer	Online	2020	Yes	Yes	MGEP	ESR 5

	Cyber Physical Production Systems using Digital Twins	Etxeberria, Goiuria Sagardui	2020 workshop							
Publication in journal	A digital twin framework for the simulation and optimization of production systems	Itziar Ricondo, Alain Porto, Miriam Ugarte	Procedia CIRP 54th CIRP Conference on Manufacturing Systems 2021 (CMS 2021)	Elsevier	Netherlands	2021	Yes	Yes	MGEP, IDEKO	ESR 5
Publication in conference proceedings	Implementation of Digital Twin-based Virtual Commissioning in Machine Tool	Miriam Ugarte Querejeta, Gorka Unamuno, Jose Luis Bellanco, Eneko	International Conference on Industry 4.0 and Smart Manufacturing	Springer	Germany (online)	2021	Yes	Yes	MGEP, IDEKO	ESR 5

	Manufacturing	Ugalde, Leire Etxeberria								
Publication in journal	VIRTUAL COMMISSIONING IN MACHINE TOOL MANUFACTURING: A SURVEY FROM INDUSTRY"	Miriam Ugarte Querejeta, Leire Etxeberria, Goiuria Sagardui, Gorka Unamuno, Iñigo Bediaga	DYNA Ingeniería e Industria	DYNA	Spain	2021	Yes	Yes	MGEP, IDEKO	ESR 5
Publication in journal	"Implementation of a holistic Digital Twin solution for design prototyping and virtual	Miriam Ugarte, Miren Illarramendi, Gorka Unamuno, Jose Luis Bellanco,	IET Collaborative Intelligent Manufacturing (IET CIM)	IET	UK	2022	Yes	Yes	MGEP, IDEKO	ESR 5

	commissioning”	Eneko Ugalde, A. Valor								
Publication in conference proceedings	Cost-Effective test selection for Functional Block Diagram Programs	Miriam Ugarte, Lingjun Liu, Eunkyoun Jee, Pablo Valle, Aitor Arrieta, Miren Illarrameandi	Design, Automation and Test in Europe Conference (DATE 2023)	IEEE	UK	2022	Yes	Yes	MGEP, IDEKO, UNOTT	ESR 5
Publication in journal	Automatic PLC code generation for adaptive manufacturing systems in human and machine	Fan Mo, Miriam Ugarte, Joseph Hellewell, Hamood Ur Rehman	Journal of Manufacturing Systems	Elsevier	Netherlands	2022	Yes	Yes	MGEP, UNOTT	ESR 1, ESR 5, ESR 14

	collaboration									
Publication in journal		Miriam Ugarte, Fan Mo, Miriam Ugarte Querejeta, Gorka Unamuno, Iñigo Bediaga, Miren Illarrameandi	Control Engineering Practice	Elsevier	Netherlands	2022	Yes	Yes	MGEP, IDEKO, UNOTT	ESR 5
Thesis dissertation				MGEP	Spain	2023	-	Yes	MGEP	ESR 5
Article in a journal	Cyber-Physical Systems for End-of-Life management of Printed Circuit Boards and	Trunal Patil (ESR 6), Lara Rebaioli, Irene Fassi	Sustainable Materials and Technologies	Elsevier	Netherlands	Plan: 2021 (Status: In revision)	Yes	green open access	STIIMA	ESR 6

	Mechatronics products in Home Automation : A review									
Publication in conference proceedings	Simulation of Corona Electrostatic Separator for End-of-Life management in Printed Circuit Boards	Trunal Patil (ESR 6), Lara Rebaioli, Irene Fassi	ASME IDETC/CIE - International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (virtual)	ASME	Spain	Plan: 2021 Actual: 19th August 2021	Yes	green open access	STIIMA	ESR 6
Publication in conference proceedings	Assessing the relationships between interdigital geometry	Federico Bertolucci, Nicolò Berdozzi, Lara Rebaioli,	World Congress on Micro and Nano Manufacturing, Mumbai,	WCMNM	Online	Plan: 2021 Actual: 22nd	Yes	yes	STIIMA	ESR 6

	quality and inkjet printing parameters	Trunal Patil, Rocco Vertechy, Irene Fassi	India (virtual)			September 2021				
Publication in conference proceedings	Hyperspectral imaging system for automatic defect identification (TBC)	Trunal Patil (ESR 6), Lara Rebaioli, Claudia Pagano, Irene Fassi, and Elisabetta Ceretti	FAIM 2022, Flexible Automation and Intelligent Manufacturing International Conference OR 11th International Conference on Waste Management and Environmental and Economic	Springer OR Elsevier	Romania Or France	Plan: June 2022	Yes	Yes	STIIMA	ESR 6

			Impact on Sustainable Development							
Article in a journal	Experimental validation of Simulation model of Corona Electrostatic Separator for End-of-Life management in Printed Circuit Boards	Trunal Patil (ESR 6), Lara Rebaioli, Irene Fassi, and Elisabett a Ceretti	International Journal of Precision Engineering and Manufacturing-Green Technology	Springer	Germany	Plan: 2022	yes	yes	STIIMA	ESR 6
Article in a journal/ Publication in conference proceedings	Hyperspectral imaging material characterization technique	Trunal Patil (ESR 6), Lara Rebaioli, Irene Fassi,	Journal of Material Cycles and Waste	Springer	Germany	Plan: 2022	yes	yes	STIIMA	ESR 6

	for End-of-Life management in home automation products	and Elisabett a Ceretti	Managemen t							
Article in a journal	Improvement in EOL management of Printed circuit boards and mechatronics products with the help of Cyber physical systems.	Trunal Patil (ESR 6), Lara Rebaioli, Irene Fassi, and Elisabett a Ceretti	International Journal of Advanced Manufacturing Technology OR Journal of Manufacturing Processes	Springer OR Elsevier	Germany	Plan: 2022	Yes	green open access	STIIMA	ESR 6
Thesis		Trunal Patil		UNIBS		Plan: 2022	-	-	STIIMA and UNIBS	ESR 6

Publication in conference proceedings			WCMNM - World Congress on Micro and Nano Manufacturing	WCMNM	Online	2021	Yes	yes	STIIMA	ESR 7
Article in a journal			International Journal of Advanced Manufacturing Technology or Precision Engineering	Springer Elsevier	Germany	2022	yes	green open access	STIIMA	ESR 7
Thesis			UNIBS			2022			STIIMA	ESR 7
Publication in conference	An experimental study of the impact of virtual reality training\o	FM Monetti A de Giorgio H Yu	9th CIRP Conference on Assembly Technology and Systems	Elsevier	Netherlands	2022	Yes	Yes	KTH	ESR 8

	n manufactur ing operators on industrial robotic tasks	A Maffei M Romero								
Conference	CARV 2021	ESR9, Mariam Nafisi, Mikael Hedlind, Antonio Maffei.			Online	2021	Yes		KTH	ESR9
Journal	Current status of self- adaptable Cyber Physical Production Systems (working title)	Luis Estrada- Jimenez, Jose Barata,	IEEE Access or Computers in Industry or Robotics and Computer- Integrated Manufacturi ng	IEEE Elsevier Elsevier	Netherlan ds	2021	Yes	Yes Gold Gold	UNINOV A	ESR10

Publication in Conference Proceeding	Self-learning techniques for improving self-adaptable Cyber Physical Production Systems (working title)	Luis Estrada-Jimenez, Jose Barata	DoCEIS 2021	Springer	Germany	2021	Yes	No	UNINOV A	ESR10
Publication in Conference Proceeding	Implementation of self-learning techniques in self-adaptable Cyber Physical Production Systems (working title)	Luis Estrada-Jimenez, Jose Barata	DoCEIS 2022	Springer	Germany	2022	Yes	No	UNINOV A	ESR10

Journal	Self-Learning Cyber Physical Production Systems (working title)	Luis Estrada-Jimenez, Jose Barata	IEEE Access or Computers in Industry or Robotics and Computer-Integrated Manufacturing	IEEE Elsevier Elsevier	Netherlands	2023	Yes	Yes Gold Gold	UNINOV A	ESR10
Thesis	Self-Learning Cyber Physical Production Systems (working title)	Luis Estrada				2023	Yes	Yes	UNINOV A	ESR10
Publication in Conference	NA	Terrin Babu	International Conference on Industrial Informatics	IEEE	Online	2021	Yes	Yes	UNINOV A	ESR 11
Publication in Conference	NA	Terrin Babyand	Doctoral Conference on Computing,	NA	NA	2022	Yes	Yes	UNINOV A	ESR 11

			Electrical and Industrial Systems							
Article in a journal	NA	Terrin Baby	Computers in Industry	Elsevier	Netherlands	2022	Yes	Yes	UNINOV A	ESR 11
Article in a journal		Terrin Babu	Robotics and Computer-Integrated Manufacturing	Elsevier	Netherlands	2023	Yes	Yes	UNINOV A	ESR 11
Thesis dissertation						2023			UNINOV A	ESR 11
Article in JCR	A novel method for trajectories generation in industrial robots	Muhamad Bilal Khan Itziar Cabanes Estibaliz Garrote	Robotics and Computer integrated Manufacturing	Elsevier	Netherlands	June 2021	Yes	Yes	Tecnalia UPV/EHU	ESR 12

Conference Proceedings	Deep Learning in flexible trajectories of industrial robots	Muhamad Bilal Khan Estibaliz Garrote Itziar Cabanes	European Conference in Computer Vision	Springer	Israel	March 2022	Yes		Tecnalia UPV/EHU	ESR 12
Article in JCR	A Machine Learning-based approach for predicting product quality parameters in refineries.		COMPUTERS & CHEMICAL ENGINEERING	Elsevier	Netherlands	2022	Yes	Gold	Petronor Tecnalia UPV/EHU	ESR13
Article in JCR	A new Deep learning semi supervised approach for enhancing		APPLIED SOFT COMPUTING	Elsevier	Netherlands	2023	Yes	Gold	Petronor Tecnalia UPV/EHU	ESR13

	the product quality of refineries.									
Conference Proceedings	Towards a semi-supervised learning scheme for modelling product quality-related variables in refineries.		International Conference on Soft Computing Models in Industrial and Environmental Applications. Advances in Intelligent Systems and Computing book series	Springer	Germany	2022	Yes	Gold	Petronor Tecnalia UPV/EHU	ESR13
Journal Paper	Manufacturing Adaptation Strategies for Intelligent Products	Hamoodur Rehman, Leszek Zarzycki, UoN Partner, and	Journal of Advanced Manufacturing Technology	Springer	Germany	2022	Yes	Gold	TQC, University of Nottingham	ESR 14

	(working title)	Mark Jones								
Journal Paper	Data Models for In-Process Testing of Intelligent Products (working title)	Hamood ur Rehman, Leszek Zarzycki, UoN Partner, and Mark Jones	Journal of Manufacturing Science and Technology	Elsevier	Netherlands	2021	Yes	Gold	TQC, University of Nottingham	ESR 14
Publication in Conference	Intelligent Testing Processes with Cloud-Based IoT Devices (working title)	Hamood ur Rehman, Leszek Zarzycki, UoN Partner, and Mark Jones	TBC	TBC	TBC	2022	Yes	Gold	TQC, University of Nottingham	ESR 14
Publication in Conference	Open Data Models for Leak	Hamood ur Rehman,	IFAC Symposium	IFAC	France	2021	Yes	Gold	TQC, University of	ESR 14

	Testing Quality Data	Leszek Zarzycki, UoN Partner, and Mark Jones	Information Control Problems in Manufacturing (INCOM)						Nottingham	
Article in Journal	Literature review	ESR13, Felix Larrinaga, Mikel Cuesta	TBD			2023	Yes		MGEP	ESR15
Publication in conference	TBD	ESR13, Felix Larrinaga, Mikel Cuesta	19 th CIRP Conference on Modeling of Machining Operations / 17th CIRP Conference on INTELLIGENT COMPUTATION IN MANUFACTURING	Elsevier	Karlsruhe, Germany / Gulf of Naples, Italy	31st May - 02nd June 2023 / July 2023	Yes	Yes	MGEP	ESR15

			ENGINEERING							
Publication in conference	TBD	ESR13, Felix Larrinaga, Mikel Cuesta	ICPMM 2024: 18. International Conference on Precision Machining and Manufacturing / ICHSMA 2024: 18. International Conference on High-Speed Machining Applications		Amsterdam, Netherlands / Lisbon, Portugal	January 21-22, 2024 / February 08-09, 2024	Yes	Yes	MGEP	ESR15
Article in Journal	A framework for XX(?) monitoring/prediction in	ESR13, Felix Larrinaga, Mikel Cuesta	TBD			2024	Yes	Yes	MGEP	ESR15

	turning/milling(?)									
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3 Other dissemination and communication activities for stakeholders

Organization of conferences and workshops, press releases, other publications include articles for professional and educational journals, a DiManD newsletter and industry Fact Sheets.

3.1 Newsletters

With reference to the newsletter, it is planned that every twelve months updates of the project’s achievements will be sent to relevant contacts of the consortium and published in the website, in order to inform potentially interested stakeholders (research organizations, universities and companies) of technical developments and achievements.

The foreseen content of the newsletter generated by the project will be the following:

Table 2: Planned newsletters

Newsletter no	Date	Planned Content	Related WP	Status
1	April 2020	<ul style="list-style-type: none"> • General information • Recruitment information 	WP 1	Submitted
2	April 2021	<ul style="list-style-type: none"> • Information about individual Research Projects • Info about training events and schools celebrated 	WP 2, WP 3-5	Submitted

3	April 2022	<ul style="list-style-type: none"> • Progress of the individual projects and technical work packages • Information about training events and schools celebrated 	WP 2, WP 3-5	
4	April 2023	<ul style="list-style-type: none"> • Final DiManD conference • Results of the technical work packages and individual research projects 	WP 2, WP 3-5	

3.1 Industry Fact Sheets

Industry Fact Sheets related to Industry 4.0 industry will be also developed each year starting in 2021.

Table 3: Planned Industry Fact Sheets

Industry Fact Sheet no	Date	Planned Content	Status
1	April 2021	<ul style="list-style-type: none"> • Information about industrial needs in the topic • Info about future strategies and tendencies 	Submitted
2	April 2022	<ul style="list-style-type: none"> • Information about the near future needs • Information about current industrial status 	Submitted
3	April 2023	<ul style="list-style-type: none"> • Information about the DiManD final results • Future lines 	

3.2 Conferences and workshops

Table 4: Conferences and Workshops

Type of activity:	Date (planned)	Venue / Country	Event	URL	Audience targeted / Size	Partner involved
<ul style="list-style-type: none"> • Organization of conference • Organization of workshop • Participation to a conference • Participation to a workshop • ... 						
Participation to a conference	2020, 2021, 2022		ASME IDETC/CIE - International Design Engineering Technical Conferences & Computers and Information in Engineering Conference		Academic and stakeholder	STIIMA
Participation to a conference	2020, 2021, 2022		WCMNM - World Congress on Micro and Nano Manufacturing		Academic and stakeholder	STIIMA
Organization of workshop	2021	Mondragon (Spain)	DIMAND Dreamworks		Companies / 25-50 people	MGEP



Organization of workshop	2022	Mondragon (Spain)	M4Future Dreamworks		Companies / 25-50 people	MGEP
Organization of conference	2022	Bilbao (Spain)	Design Konferentziak		Companies and professionals	MGEP
Regional Network Meeting	TBC (about 5 times per year)	Nottingham, UK	Nottinghamshire Manufacturing Network	http://n-m-n.co.uk/	Regional companies and academics Size:40	TQC
Seminar	Biennial 2022& 2024	TBC	International Precision Assembly Seminar (IPAS)	https://www.ipas-seminar.com/	Academics and manufacturers Size:40	TQC
Workshop	TBC	University of Nottingham, UK	Aerospace Sector Seminar	Aerospace Technology Institute		UNOTT, TQC
Conference - Dissemination Event	2021 November	Linz, Austria	International Conference on Industry 4.0 and Smart Manufacturing (ISM 2021)	http://www.msc-les.org/ism2021/	Academic and companies	STIIMA, MGEP

3.3 Press releases

Press releases are short articles published in industry magazines (mostly local editions) to quickly inform industry stakeholders about the DiManD project. The DiManD press release strategy was designed to effectively communicate important milestones, research results and innovations to a broad audience, including the scientific community, industry stakeholders and the general public. The main objectives are to increase the visibility of the project, attract media and industry interest, and demonstrate the impact and relevance of the project results.

To achieve these objectives, these are the main steps we defined for this type of dissemination:

- Publish key messages: focus on the main achievements of the project, pioneering results, technological breakthroughs and their implications for the relevant field. Highlight any significant collaborations, funding milestones or policy implications.
- Develop compelling narratives that relate project goals and results to broader industry trends, societal benefits and real-world applications. Incorporate quotes from key researchers, stakeholders and partners to add credibility and human interest.

To this end, we also defined a periodicity or regular updates (Newsletters and Industry Fact Sheets) and also identified some events that could serve to disseminate and publish the latest updates (Exhibitions and Trade Fairs).

With the implementation of this press release strategy, the DiManD Project aims to effectively disseminate its achievements, reach key audiences and strengthen its visibility and impact on the ground.

Table 5: Press releases

Date	Title	Publisher	Link	Audience targeted / Size	Country	Partner involved
20/05/2019	El Proyecto Europeo DiManD ofrece 14 tesis doctorales en Industria 4.0	Website of Mondragon Unibertsitatea	https://www.mondragon.edu/es/-/el-proyecto-europeo-dimand-ofrece-14-tesis-doctorales-en-industria-4-0	General public	Spain	MGEP
Summer 2018	Proyecto 'Dimand'	Muniversitas, N°39	http://ebiltegia.mondragon.edu:8080/xmlui/handle/20.500.11984/1451 Page 16	General public	Spain	MGEP
20/05/2019	DiManD project: call for 14 PhD positions in Industry 4.0	Website of the <i>MEDIS group of CNR-STIIMA</i>	http://cms.itia.cnr.it/medis/news/	General public	Italy	STIIMA
21/05/2019	Progetto DiManD ITN: bando per 14 dottorati su Industria 4.0	Website of <i>CNR-STIIMA</i>	http://www.stiima.cnr.it/it/index.php?sez=4#notizia107	General public	Italy	STIIMA

21/05/2019	Progetto DiManD ITN: bando per 14 dottorati triennali su Industry 4.0	Twitter account of <i>Cluster Fabbrica Intelligente</i>	https://twitter.com/fabbricaintelli/status/1130837952991551488	General public	Italy	STIIMA
21/05/2019	Bando per 14 dottorati su Industry 4.0	Website of Meccanica Plus (technical magazine)	http://meccanica-plus.it/bando-per-14-dottorati-su-industry-4-0_106299/	General public	Italy	STIIMA
21/05/2019	Progetto DiManD ITN: bando per 14 dottorati su Industry 4.0	Website of Tecnomiera (technical magazine)	https://www.techmec.it/progetto-dimand-itn-bando-per-14-dottorati-su-industria-4-0/	General public	Italy	STIIMA
24/05/2019	Industry 4.0: al via un bando per 14 dottorati	General website of CNR – Consiglio Nazionale delle Ricerche	https://www.cnr.it/it/news/8751/industry-4-0-al-via-un-bando-per-14-dottorati	General public	Italy	STIIMA
24/05/2019	Industry 4.0 al via un bando per 14 dottorati triennali nell'ambito del progetto europeo	Twitter account of CNR	https://twitter.com/StampaCnr/status/1131943381817593856	General public	Italy	STIIMA

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	“Digital Manufacturing and Design”					
03/06/2019	Progetto DiManD ITN: bando per 14 dottorati su Industry 4.0	Website of Tecn’è (technical magazine)	https://www.tecnelab.it/news/attualita/progetto-dimand-itn-bando-per-14-dottorati-su-industry-4-0	General public	Italy	STIIMA
10/06/2019	14 Early-Stage Researcher (ESR) 3-year PhD positions in Industrie 4.0 (MSCA-ITN)	Website of Ulma	http://www.ulmaembedded.com/en/noticias/14-early-stage-researcher-esr-3-year-phd-positions-in-industrie-40-msca-itn/no-130/	General public	Spain	Ulma Embedded Solutions
29/05/2019	Applications open for 3 year funded PhD position	TQC	http://www.tqc.co.uk/news/news-dimand-applications.php	TQC contacts	UK	TQC
2019	Welcome event				Spain	MGEP
2020	Virtual Welcome event	MGEP				MGEP
2020-2022	TULANKIDE	MGEP			Spain	MGEP
2020-2022	MUniversitas	MGEP			Spain	MGEP

Proyecto 'Dimand'

EL PROYECTO 'DIMAND' (DIGITAL MANUFACTURING AND DESIGN TRAINING NETWORK) PERSIGUE DESARROLLAR UN MARCO INVESTIGADOR Y FORMATIVO QUE MEJORE LA COMPETITIVIDAD INDUSTRIAL DE EUROPA MEDIANTE EL DISEÑO Y LA IMPLEMENTACIÓN DE UN PROGRAMA INTEGRADO PARA FORMAR A LOS FUTUROS PROFESIONALES DE LA INDUSTRIA 4.0.



Escuela Politécnica Superior | Este proyecto, liderado por la Escuela Politécnica Superior, tiene como objetivo la formación a nivel de doctorado de jóvenes investigadores por medio de una red internacional. En concreto, se van a formar *14 Early Stage Researchers* que serán contratados por las 8 empresas beneficiarias del programa, de 5 países europeos. Además, el proyecto cuenta con otros 19 participantes internacionales que intervienen en la red de formación.

"DiManD" rompe con los enfoques tradicionales de investigación y se basa en tres desafíos clave que son el núcleo de la visión de Industria 4.0: análisis de big data, sistemas ciberfísicos y sistemas autónomos de control.

Figure 1: Press note about DiManD project in MUniversitas

3.4 Non-scientific publications

Table 6: Non-scientific and non peer-reviewed publications (popularised publication)

Date	Title	Publisher	Link	Audience targeted / Size	Country	Partner involved
Winter 2019		Ikertzen, Muniversitas	http://ebiltegia.mondragon.edu:8080/xmlui/handle/20.500.11984/1396 Pages: 12-13	University / 10000	Spain	MGEP
Summer 2020		Tecnalia's Blog	https://computervision.tecnalia.com/es/	All public	Spain/Europe	Tecnalia UPV/EHU
Summer 2021		Campusa	https://www.ehu.eus/es/campus	All public	Spain	UPV/EHU Tecnalia
Winter 2022		Ikertzen, Muniversitas		University / 10000	Spain	MGEP

3.5 Exhibitions – Trade Fairs

Table 7: Exhibitions – Trade Fairs

Date	Title	Venue	URL	Audience targeted / Size	Partner involved
May 2022		BIEMH- International Machine Tool Exhibition	https://bilbaoexhibitioncentre.com	Private Companies	Tecnalia
Exhibition	Annual 01-07- 2020	Coventry, UK	Made in the Midlands Expo	https://www.madeinthemidlandsexpo.co.uk/	TQC
Conference/Exhibition	Annual (TBC)	TBC	East Midlands Engineering and Manufacturing	https://www.emc-dnl.co.uk/connecting-you/industry-focused-events/manufacturing-event2/	TQC

3.6 Other events

Table 8: Other events

Date	Title	Venue	Description	Audience targeted / Size	Partner involved
2020	MU telebista	Mondragon University	Weekly TV programm with news of the university	Students and workers of Mondragon Unibertsitate	MGEP
2020	Zientziaren Astea	Garaia Polo Innovación	Round table in the Science Week (online)	High school students and general public	MGEP
2021	Teknopolis (Basque regional Tv program)		Weekly TV programm with news of the Basque research institutions	General public	MGEP
TBC	Sales Meetings	TQC or Client's site	Approximately 4 per year for selected clients	Engineering company	TQC
TBC	Engineering Client Meetings	TQC or Client's site	Approximately 4 per year for selected clients	Engineering company	TQC

4 Public dissemination

Public dissemination includes a website designed to be user friendly and accessible to industry and the public, as well as academic and research professionals.

Professional network initiatives will include a LinkedIn group and twitter account and public orientated YouTube videos.

4.1 Website

A website was established to inform the general public as well as interested companies and institutions as well as candidates about the DiManD project. The project website can be found at <https://dimanditn.eu/>. The website was launched on 2019/05/17 and has received more than 3.452 unique visitors until end of October 2021.

The website will be updated during the project to accommodate new required functionality. At the beginning of the project, the main goal of the website was to provide information about the project and allow the application of candidates to the ESR positions available.

Once the selected candidates are recruited and start working in the project, the application part will be disabled and new sections will be created for the following:

- Section with information about the schools and training events organized by the project
- Overview of academic publications and public deliverables
- A news feed, with short updates about the progress of the project
- Connection to the social media



Figure 2: Screenshot of the Home section of the website



4.2 Social media

Regarding social media, a LinkedIn group and Twitter account (see Figure 3) have been already created. And a YouTube Channel is planned.

Table 9: Social Media

Date	Channel	URL	Audience targeted / Size	Country	Partner involved
July 2019	Twitter account	DiManD@DiManDITN	General public	www	MGEP
May 2019	LinkedIn group	https://www.linkedin.com/groups/12250010/	General public	www	MGEP
2020	YouTube Channel	https://www.youtube.com/channel/UCSZ897sODQWYJ7pNoLXO2iQ/about	General public	www	MGEP

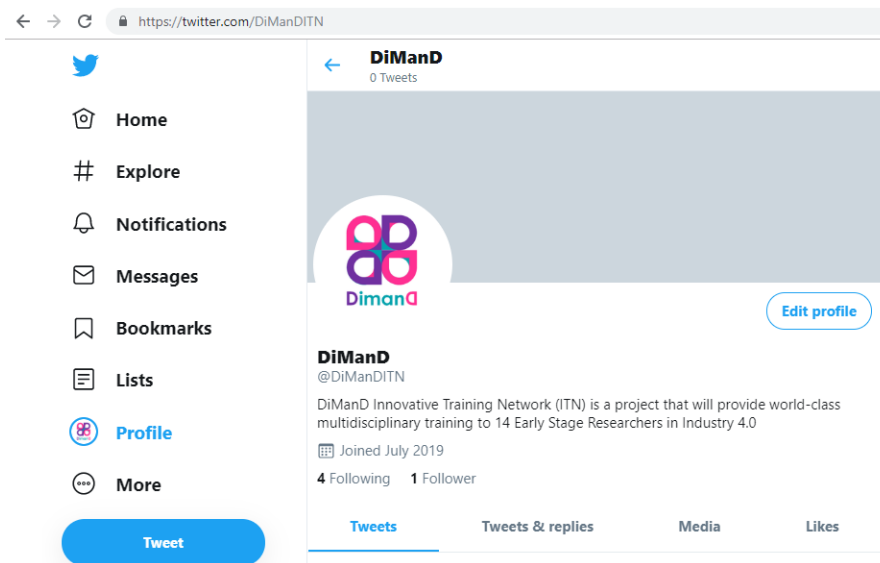


Figure 3: Screenshot of the Twitter account of DiManD

4.1 Communication campaign - Videos

Videos will be created for explaining the DiManD project and each of the individual research projects of the ESRs. The videos will be available in the YouTube channel of the project.

Table 10: Communication campaign - Videos

Date	Type	Description	Audience targeted / Size	Partner involved
2020	Video	A general video explaining the DiManD project	General public	MGEP
2020-2021	Video	A video for each ESR explaining their project	General public	All
2022	Video	A video for each ESR with results of their project	General public	All

4.2 Dissemination Materials (leaflet, roll-up, etc.)

Dissemination materials are being prepared for the wide spreading of the DiManD project. In particular, a poster/roll-up (see Figure 5) and a leaflet with recruitment purposes (see Figure 4) have been developed during the initial phases of the project, to be presented at events.

A new leaflet is being prepared for presenting the project.



The Digital Manufacturing and Design (DiManD) Innovative Training Network (ITN)
14 Early Stage Researcher (ESR) positions

14 ESR positions available:

- ESR 1 – A concept for open evolvable assembly systems, UNICITE, UK
- ESR 2 – Self-learning for Optimum Manufacturing Equipment (Individual & Collective Response), UNOTT, UK
- ESR 3 – Cyber-Physical Systems and User Interaction Experience into Industrie 4.0, MGEF, Spain
- ESR 4 – Human Centred Design for Industrie 4.0, Advanced service innovation, MGEF, Spain
- ESR 5 – Simulation-based Real-time Testing and Adaptation of Cyber-Physical Systems using digital twins, MGEF, Spain
- ESR 6 – Cyber-Physical Systems and End of life management in home automation, STIMA, Italy
- ESR 7 – Precision manipulation and assembly of electro-optical components, STIMA, Italy
- ESR 8 – Design and development of cost-effective solutions for high throughput, mixed model electronic assembly and packaging, KTH, Sweden
- ESR 9 – Investigation of Transition Technologies to support Assembly Station Reconfiguration in the automotive industry, KTH, Sweden
- ESR 10 – Self-learning Cyber-Physical Production Systems, UNINNOVA, Portugal
- ESR 11 – Developing Energy Saving Techniques and Tools in Production Systems, UNINNOVA, Portugal
- ESR 12 – Flexible Robotics, TECNALIA, Spain
- ESR 13 – Artificial Intelligence applied to Oil & Gas, Petrosim, Spain (To be approved by EC)
- ESR 14 – Development of data models and adaptation strategies for intelligent products, TOC, UK

Key dates

- 15/5/2019 Launch and advertise 14 ESR positions
- 29/6/2019 Deadline for on-line application
- 5/7/2019 Consultation list "preselected candidates"
- 18-19/7/2019 DiManD Recruitment Event
- 22/7/2019 Consultation list "recruited DiManD ESRs"
- 1/8/2019 Target start date for ESR contracts

Logos of partner institutions: UNICITE, UNOTT, MGEF, STIMA, KTH, UNINNOVA, TECNALIA, Petrosim, TOC.

Website: <https://diemand.itn.eu/>
info@diemand.itn.eu
<https://www.horizon-mariecurie.eu/>

Figure 4: Leaflet for recruitment purposes



Figure 5: Photo of the Kick-off and recruitment event with the Roll-up of the DiManD Project

5 Other outreach activities

Table 11: Planned outreach activities per each beneficiary

Date	Planned outreach activity	Events	Audience targeted/Size	Country	Partner involved
2019-2022 Annual	Participation in Basque Industrie 4.0 initiative public days. DiManD will be represented.	Basque Industrie 4.0	Industry / 1000	Spain	MGEP, TECNALIA
2020	Participation in the open science week at the university. DiManD will be presented.	Open Science week of Garaia Polo Innovación	Schools / 100	Spain	MGEP
2021-2023	Participation in public days at Farnborough International Airshow. DiManD will be represented at the UNOTT public engagement open day Wonder on two separate occasions.	Farnborough International Airshow	Industry & Academic /10000	UK	UNOTT
2021-2023	Participation in outreach activities as part of the Italian Technology Machines Tools association and of key European Initiatives such as ManuFuture and EFFRA. Participation to the European Researchers Night and to the public events annually organized by CNR for secondary school students.	Manufuture EFFRA European Researchers Night	Industry & Academic /500	Italy	STIIMA
2021-2022	Participation in outreach activities organised at KTH including LiveScience, aimed at inspiring future generations of scientists and engineers. KTH will also link all actions with KTH active educational EU projects & actions (Platforms4CPS, openMOS, TYPHIS) and its national R&D centre XPRES (eXcellence in Production RESearch).	LiveScience Platforms4CPS openMOS	Industry & Academic /1000	Sweden	KTH
2020-2022	Participation in outreach programme to local schools such as the UNOTT Academy of Science and Technology and the UNOTT Samworth Academy. TQC will use its membership of the Nottingham Manufacturing Network and the Made in the Midlands Group to disseminate its achievements in this project. In addition, TQC works	UNOTT Academy of Science and Technology Samworth Academy	Schools / 1000	UK	TQC

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	closely with many clients and will take these opportunities to disseminate innovations to a wider audience.				
2020-2022	Engage young students (from elementary school to university) on science and trigger their enthusiasm and curiosity for science in general, showing that materials and processes can be designed to solve societal needs. Exploiting the result beyond Europe and use the courses as a flag for "science diplomacy" mainly in potential big markets such as MENA and more specifically emerging markets with potential industrial engagement for Europe such as Iran in collaboration with EPL (The European Project Leaders Network Society). This would be a new edition and alongside EPL previous works and achievements organizing three successful International Industry 4.0 Event in Iran with the support of European entities (& European commission).	The European Project Leaders Network Societ	Schools / 1000	Portugal	UNINOVA



6 Schools and events of the project

During the project six Schools will be held. The schools will provide scientific and complementary skills training by both academic and industrial partners at the highest international standard.

Schools #2, #3, and #4, which will be **publically available**. They will focus on different technical themes critical to Digital Manufacturing:

- School #2, Distributed Agent Based Control: will cover areas of multi agent systems, architectures and include practical sessions.
- School #3, Cyber Safety and Security: will focus on robust and secure systems' architecture and design, bringing industrial perspectives and actions to this important area.
- School #4, Mixed Reality Systems: will look at the use of virtual environments and mixed reality systems.

Regarding the Schools #1, #5 and #6, they will focus on the next technical topics:

- School #1, Preliminary Design Review of Integrated training and demonstration platform Project.
- School #5 Critical Design Review of Integrated Training and Demonstration Platform.
- School #6, Integration of individual projects into the Integrated Training and Demonstration Platform.

A final Dissemination and Exploitation conference will be held as well at the end of the project where the project results will be disseminated.

7 Involvement of ESR in dissemination activities

ESRs will participate in all the dissemination and communication activities described in this plan as they will participate in the dissemination and outreach activities of the project and their host institutions.

Each ESR will deliver presentations at local and national events, produce brief accessible summaries of their projects, and produce brief initial and final report on public engagement work. They will prepare videos about their research projects for the YouTube channel and provide contents for the social media and newsletters.

8 Conclusions

This deliverable presents the dissemination plan of the DiMand project.

The dissemination plan presented here is the fifth version of the document that the partners have planned. During the course of the project these activities will be monitored and updated continuously. Updates will be reflected in the next version of D6.10 Updated Dissemination Plan deliverable document due in M36 (April 2022).

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9 Versions

D6.10 Dissemination Plan	
Version - Date	Comments & Recommendations
V0.1 – 30/10/2021	First Integrated version of the document
V1.0 – 12/11/2021	First reviewed version of the document
V2.0- 19/07/2024	Final reviewed version of the document