



***REMODEL - Robotic tEchnologies
for the Manipulation of cOmplex
Deformable Linear objects***

Deliverable 8.3 – DISSEMINATION AND COMMUNI- CATION PLAN

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Project acronym: REMODEL

Project title: Robotic tEchnologies for the Manipulation of cOmplex Deformable Linear

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Lead Beneficiary: TECNALIA

Authors: All partners

Dissemination level: Public

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Project website address: <https://remodel-project.eu>

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1 Executive Summary

This document describes the dissemination approach that will be followed during REMODEL project and lists targeted dissemination platforms, in order to ensure sustainability and transferability of REMODEL project results to increase their value and impact and to reach key stakeholders.

This deliverable explains the dissemination procedure and lists the different activities carried out up to M6 and future activities.

The activities contained in this document are as follows:

- List of scientific publications
- Detailed information of scientific publications (once published)
- General and business publications
- Events: Conferences, seminars, workshops and webinars
- Blog posts
- Collaboration & cooperation with other projects, programmes, working groups, initiatives...
- Report of the collaboration & cooperation activities
- Press Releases
- Other dissemination activities

The document will be updated on M24 and M42

2 Introduction

REMODEL result will be disseminated through scientific publications, conferences, workshops, summer schools, fairs, local and international events. All the partners have experience on such activities and are motivated to disseminate in the best way all the project's developments.

The scope of the dissemination strategy is to:

- enable discussion with end-users on how to fully take advantage of the REMODEL outcomes;
- show how the outcomes are relevant, creating jobs and introducing novel technologies in the European market;
- make better use of the results, by making sure they are taken up by decision-makers to influence policy-making and by industry and the scientific community to ensure follow-up;
- show how European collaboration has achieved more than would have otherwise been possible, notably in achieving scientific excellence, contributing to competitiveness and solving societal challenges;
- give enough technical details and/or performance indicators to allow a comprehension of the design and an appreciation of the benefit coming from the project (with proper safeguarding of IPR);
- communicate the developed results to the scientific community;
- communicate the achievements of the project amongst other industries to improve their access to research results and to explore additional applications of the new technologies.

3 Dissemination procedure

A common dissemination policy is incorporated from all partners in order to avoid any conflict with the commercial interests of the partners. Each partner is free to participate in any dissemination activity and present its developments to the public according to the public. The publication or presentation of intellectual property, results, documents, etc. not publicly accessible, namely when it has the status of “restricted”, needs the written approval of the owner of the intellectual property, results, documents etc. Intellectual property having the status of “confidential” must not be presented under any circumstances in any dissemination activity.

The following are considered dissemination and communication activities:

- Exhibition stands and demos
- Public project presentation
- Publications in relevant scientific journals
- Participation in non-project workshops, forums and/or events
- Production of newsletters, leaflets, posters, etc.
- Special sessions organization
- Publications on social media
- Opening of PhD positions
- Organization of a conference
- Organization of a workshop
- Press release
- Non-scientific and non-peer-reviewed publication (popularised publication)
- Exhibition
- Training
- Website
- Communication Campaign (e.g. Radio, TV)
- Participation to a conference
- Participation to a workshop
- Participation to an event other than a conference or workshop
- Video/film
- Brokerage event
- Pitch event
- Trade fair
- Other



After the realization of any dissemination activity, the involved partner(s) should provide a copy of the final disseminated material to the dissemination leader who keeps record of all the dissemination activities of REMODEL for all the partners and store it in the internal REMODEL repository. Information about the activity, number and type of people reached in the context of the dissemination activity is also registered in the document "Dissemination monthly report". Each partner should update the document monthly.

The type of audience is categorized in the following groups, based on the ECAS portal classification:

- Scientific community (higher education, research)
- Industry
- Civil society
- General public
- Policy makers
- Media
- Investors
- Customers
- Other

4 Dissemination plan

4.1 List of scientific publications

List of publications: planned and submitted but not yet accepted

Table 1. List of Scientific Publications

Title of the article	Event and publication (name, date, other info)	Name of author and Organisations
Calibration of Eye-In-Hand Rangefinders: A Benchmark	IROS 2020 (planned to be submitted by March 1 st)	Arne Peters, Lukas Vordemann, Alois Knoll
Combined Joint-Cartesian Mapping for Simultaneous Shape and Precision Teleoperation of Anthropomorphic Robotic Hands	IFACWC 2020	R. Meattini, D. Chiaravalli, L. Biagiotti, G. Palli and C. Melchiorri UNIBO
Manipulation of Cloth-like Deformable Objects via a Pointcloud-based Identification of Optimal Grasping Poses	RA-L and IROS 2020	Alessio Caporali, Gianluca Palli UNIBO
Robot Learning-based Pipeline for Autonomous Reshaping of an Highly-deformable Rope	RA-L and IROS 2020	Zanella, Riccardo; Palli, Gianluca UNIBO
Effective Deployment of CNNs for 3DoF Pose Estimation and Grasping in Industrial Settings	RA-L and IROS 2020	De Gregorio, Daniele; Zanella, Riccardo; Palli, Gianluca; Di Stefano, Luigi UNIBO
Model-based Manipulation of Deformable Linear Objects by Multivariate Dynamic Splines	ICPS 2020	Gianluca Palli UNIBO
Pointcloud-based Identification of Optimal Grasping Poses for Cloth-like Deformable Objects	ICPS 2020	Alessio Caporali, Gianluca Palli UNIBO
A Low Cost Tactile Sensor for Large Surfaces Based on Deformable Skin with Embedded IMU	ICPS 2020	Yuki Iwamoto, Roberto Meattini, Davide Chiaravalli, Gianluca Palli, Koji Shibuya, Claudio Melchiorri UNIBO
A Safe and Energy Efficient Robotic System for Industrial Automatic Tests	FAIM 2020	Bedada, Wendwosen Bellete; Kalawoun, Rawan; Ahmadli, Ismayil; Palli, Gianluca

		UNIBO
Tell Me What You See? -- Interpretable Classification of Wiring Harnesses Branches With Deep Neural Networks	<u>Special Session on „Cyber-Physical Systems for Deformable Manipulation“</u>	PUT: Piotr Kicki, Michał Bednarek, Krzysztof Walas VWP: Paweł Lembicz, Grzegorz Mierzwiak

4.2 Detailed information of scientific publications (once published)

Publications once they have been accepted

Table 2. List of Scientific Publications (detailed info)

Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers (if available)	Is/Will open access be provided to this publication?
Extrinsic Calibration of an Eye-In-Hand 2d Lidar Sensor in Unstructured Environments Using ICP	Arne Peters, Adam Schmidt, Alois Knoll	IEEE Robot & Automation Letters	t.b.a.	IEEE	t.b.a.	2020	t.b.a.	10.1109/LRA.2020.2965878	yes

4.3 General and business publications

Table 3. List of General & Business Publications

Title	Link or reference	Date	Partner/Authors (organisations)

4.4 Events: Conferences, seminars, workshops and webinars

NOTE: Due to the situation of Public Health Emergency reported by WHO due to the covid-19 coronavirus outbreak, many events have been cancelled or postponed

Table 4. List of events

Event	Date	Name and type of audience	Countries addressed
A&T Automation and Testing	12-14 02 2020	Industry and Scientific community	Turin (Italy)
Innovabiomed	15-16 06 2020	Industry and Scientific community	Verona (Italy)
ACM/IEEE International Conference on Human-Robot Interaction (HRI)	23-26 03 2020	Industry and Scientific community	Cambridge-UK
EU Robotics Forum 2020	03-05 04 2020	Industry and Scientific community	Malaga - Spain
IEEE International Conference on Robotics and Automation (ICRA)	31.05 - 04.06 2020	Industry and Scientific community	Paris - France
Hannover Messe (Hanover Fair) 2020	20-24 05 2020	Industry and Scientific community	Hannover - Germany
Feria internacional de la máquina herramienta (BIEMH)	25-29 05 2020	Industry and Scientific com-	Bilbao - Spain

Event	Date	Name and type of audience	Countries addressed
	23-27 10 2020	munity	
Automatica 2020	16-19 06 2020 08-12 12 2020	Industry and Scientific community	Munchen - Germany
Special Session on „Cyber-Physical Systems for Deformable Manipulation“	09-12 06 2020	Industry and Scientific community	Tampere - Finland
Flexible Automation and Intelligent Manufacturing International Conference FAIM 2020	15-18 06 2020	Industry and Scientific community	Athens - Greece
https://sevilla.bciaerospace.com/es/	16-18 06 2020	BtoB event in Spain, the A&DM Sevilla,	Seville Spain

4.5 Blog posts

Table 5. Blog posts

Title of blog entry	Main author	Release Date
Kick-off meeting in Bologna	TECNALIA	10-12-2019
Special Session on „Cyber-Physical systems for deformable object manipulation“	UNIBO	09-01-2020
The PCB of tactile sensors for RE-MODEL are ready!!!	UCLV	05-02-2020
3D model for IEMA use case is ready!!!	IEMA	16-03-2020
REMODEL use cases	TECNALIA	03-04-2020

4.6 Collaboration & cooperation with other projects, programmes, working groups, initiatives...

We will describe here the projects with which we are collaborating, under which areas and topics, and the status.

Explanation symbols







	Collaboration has already started – concrete collaboration activities are reported
	Collaboration is envisioned but have not started yet
	Collaboration is not feasible Collaboration have started but could not be continued – concrete collaboration activities are not reported

Table 6. Collaboration with other projects

Project	Areas for collaboration	Remark	Status
HORSE	REMODEL will building up upon research-results and open-source software	HORSE will end in April 2020	
TRINITY	Artificial Intelligence for the manipulator in ENKI's use case	Possible Collaboration	
DIH ²	Manipulator for Dinking operation	Possible Collaboration	

4.7 Report of the collaboration & cooperation activities

Here we will report the collaboration activities performed, date, main conclusions and action points.

Table 7. Collaboration activities

No.	Project(s) Name	Description of activity
1.	HORSE	Joint scientific publication

4.8 Press Releases

Table 8. Other dissemination Activities

Type	Published in	Partner/Authors
LinkedIn Posts	Linkedin	ENKI
Website posts	ENKI website	ENKI

4.9 Other dissemination activities

Keynotes, workshops, prizes.

Table 8. Other dissemination Activities

Type	Name & Comment	Partner/Authors	Link if appropriate

5 Conclusions

Dissemination is the public disclosure of the results of the project. It is a process of promotion and awareness-raising right from the beginning of a project. It makes research results known to various stakeholder groups in a targeted way. This process must be planned and organised at the beginning of each project in a dissemination plan.

This document contains information related to the dissemination. A number of conferences, exhibitions and journals have been proposed as great dissemination opportunities, in addition to this, the public website and social media will be used to disseminate the project.

The REMODEL dissemination activities will be reported in updated version of this deliverable.