H2020 CleanSky 2
Grant Agreement n. 785419

Deliverable D9.2
Plan for Exploitation and Dissemination of Results (PEDR)

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Deliverable Contributors

	NAME	ORGANIZATION	ROLE/TITLE
Leader	Ciro Natale	UNICAMPANIA	WP9 LEADER
Contributing Author(s)	Cristina Cristalli	LOC	Coordinator

Topic Manager's Opinion:

Leonardo Aircraft OK

NAME	DATE	SIGN
Ciro Annicchiarico	MARCH 5TH, 2019	Ciro Annicchiarico

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Executive Summary

The present "Plan for the Exploitation and Dissemination of results", in short PEDR, is a strategic document to plan and iteratively update the actions for exploitation and dissemination of results aroused within the LABOR project and even after its conclusion.

In the context of Task "T9.2 – Exploitation of knowledge" the PEDR will be revised as a living document and maintained by all project partners. The ground rules, roles and responsibilities are as follows:

- The Intellectual Property Rights Manager (IPRM), nominated by the PSC in the person of Dr. Cristina Cristalli, will set up the Plan for Exploitation and Dissemination of Results (PEDR), prepared by the Task Leader (TL) of T9.2 (UNICAMPANIA) as this Deliverable D9.2 at Mo6, and will be updated yearly until the end of the project.
- Each participant will put its own significant effort into exploitation and aims at exploiting the project successfully in order to integrate it into innovative products and services and to fulfil new market and research opportunities. All this will be done jointly by all participants, under guidance of the Coordinator and the IPRM, and will be laid down in the PEDR.
- Therefore the participants will maintain an internal list of possible exploitable results from the start of the project, to allow relevant long-lead-time activities to be scheduled. This list will be updated on the circulation of any deliverable or publication within the Consortium, to ensure exploitation and dissemination plans are managed and developed as required, and the progress of this list will be a regular agenda item for the IPRM.
- The aim is the smooth transition to commercialization effort after the end of the project.
- Intellectual Property Right (IPR) sharing issues were defined in the Consortium Agreement (CA) and in the Implementation Agreement (IA) before the start of the project, and will be maintained appropriately throughout the project duration.
- Measure of progress and success: Progress and success will be measured through the number of patents or IPR protection, as well as the number of end users interested to the technologies developed in LABOR.
- As an underlying principle, protection and exploitation of results will override dissemination. For this reason, all publications in the project will pass through an internal monitoring process to allow redaction of items that are not yet public. This will focus on ensuring the project outcomes can be exploited, not on preventing the dissemination of project results.
- The exploitation and dissemination of knowledge does not only serve participants' own interests but also has economic, technological and social benefits for industry and society as a whole. Therefore the PEDR will show the value of the results on a European level, which goes beyond the level of the participants concerned.
- IPRM was nominated: Cristina Cristalli (LOC)

In more detail, the PEDR will include the following information:

- Exploitable foreground: In this section, participants are asked to identify all the exploitable results arising from the project and their intentions for use (see Table 1). This section includes:
    - A roadmap for exploitation measures during and after the project's lifetime (see Table 1).
    - A list of necessary steps to be taken in order to successfully exploit the project results (see Table 1).
- List of applications for patents, trademark, and registered designs made during the project's lifetime (see Table 2)

- List of scientific publications (see Table 3)
- Dissemination of knowledge: in this section participants are asked to list all the actions carried out in order to make their research results known to the public (see Table 4)
- Publishable results: in this section, participants should provide a summary description of each exploitable result, to be published in the "Cordis Technology Marketplace"

List of Abbreviations

PSC	**Project Steering Committee**
IPRM	Intellectual Property Rights Manager
TL	Task Leader
IPR	Intellectual Property Right
CA	Consortium Agreement
IA	Implementation Agreement
LOC	Loccioni short name
GA	Grant Agreement

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1 Exploitable foreground

1.1 List of exploitable foreground

Partners identify their individual technologies and systems to be exploited. A yearly update will be laid down in the table hereafter.

The type of exploitable foreground can be chosen by drop down among these categories:

- General advancement of knowledge
- Commercial exploitation of R&D results
- Exploitation of R&D results via standards
- Exploitation of results through EU policies
- Exploitation of results through (social) innovation

The sector(s) in which the named foreground will be applied is set according to the NACE nomenclature [1].

More than one sector can be named, if possible stick to three different sectors.

Type of exploitable foreground	Description of exploitable foreground	Confidential Classification [YES or NO]	Foreseen embargo date [dd/mm/yyyy]	Steps of exploitation	Sector(s)of application[1]	Timetable for commercial or any other use	IPR Situation	Owner(s)
Commercial exploitation of R&D results	Smart Inspection Tool for Hole diameter and countersink measurement	YES	04/01/2021	Actual TRL 5 After the test in the manufacturing environment the system will be at TRL 7, then the system will be engineered	1 MANUFACTURING (C) 2 Sector? 3 Sector?	After the end of the project, when the tests will be finalized: i.e. March 2021 then 6 months for the engineering are foreseen.	No patent has been applied so far	LOCCIONI
Commercial exploitation of R&D results	Fastening and sealing tools	YES	Choose date [dd/mm/yyyy], please!	Actual TRL 5 After the test in the manufacturing environment the system will be at TRL 7, then the system will be engineered	1 MANUFACTURING (C) 2 Sector? 3 Sector?	After the end of the project, when the tests will be finalized: i.e. March 2021 then 6 months for the engineering are foreseen.	No patent	LOCCIONI
General advancement of knowledge	Human detection algorithm based on depth and thermal images	NO	None	Current TRL 4 After the test in the manufacturing environment the algorithm will be at TRL 7.	1 MANUFACTURING (C) 2 OTHER SERVICE ACTIVITIES (S)		No patent	UNICAMPANIA

[1] Use NACE code for sector: AGRICULTURE, FORESTRY AND FISHING (A), MINING AND QUARRYING (B), MANUFACTURING (C), ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY (D), WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES (E), CONSTRUCTION (F), WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES (G), TRANSPORTATION AND STORAGE (H), ACCOMMODATION AND FOOD SERVICE ACTIVITIES (I), INFORMATION AND COMMUNICATION (J), FINANCIAL AND INSURANCE ACTIVITIES (K), REAL ESTATE ACTIVITIES (L), PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES (M), ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES (N), PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY (O), EDUCATION (P), HUMAN HEALTH AND SOCIAL WORK ACTIVITIES (Q), ARTS, ENTERTAINMENT AND RECREATION (R), OTHER SERVICE ACTIVITIES (S), ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE (T), ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES (U)

Type of exploitable foreground	Description of exploitable foreground	Confidential Classification [YES or NO]	Foreseen embargo date [dd/mm/yyyy]	Steps of exploitation	Sector(s)of application[1]	Timetable for commercial or any other use	IPR Situation	Owner(s)
					3 Sector?			

Table 1 – List of partners' individual technologies and systems to be exploited

2 IPR actions

2.1 List of applications for patents or trademarks and registered designs

List of applications for patents, trademarks and registered designs made during the project's lifetime will be updated on a yearly basis in the table hereafter.

Type of IP Rights	Subject or title of application	Confidential Classification [YES or NO]	Foreseen embargo date [dd/mm/yyyy]	Application reference(s) (e.g. EP123456)	Applicant (s) (as on the application)
Choose type of IP right, please!		Choose YES or NO, please!	Choose date [dd/mm/yyyy], please!		
Choose type of IP right, please!		Choose YES or NO, please!	Choose date [dd/mm/yyyy], please!		
Choose type of IP right, please!		Choose YES or NO, please!	Choose date [dd/mm/yyyy], please!		
Choose type of IP right, please!		Choose YES or NO, please!	Choose date [dd/mm/yyyy], please!		

Table 2 – List of applications for patents, trademarks and registered designs

3 Scientific Publications

3.1 List of scientific publications

In this section scientific publications will be listed and updated on a yearly basis in the table hereafter.

The internal identifier does not indicate a certain priority and it will be continued in serial numeration.

Internal identifier (PXX)	Publication Title	Main Author	Title of the periodical or the series	Number, or Date	Publisher	Place of publication	Year of Publication [yyyy]	Relevant pages	Permanent identifiers [2] (if available)	Is/Will open access [3] provided to this publication?
P01	Safety in human-multi robot collaborative scenarios: a trajectory scaling approach	M. Lippi, A. Marino	12th IFAC Symposium on robot control	August 2018	IFAC	Budapest	2018	190-196	10.1016/j.ifacol.2018.11.540	no
P02										

Table 3 – List of scientific publications

2 A permanent identifier should be a persistent link to the published version full text if open access or abstract if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

3 Open Access is defined as free of charge access for anyone via Internet. Please answer "yes" if the open access to the publication is already established and also if the embargo period for open access is not yet over but you intend to establish open access afterwards.

4 Other dissemination activities

4.1 List of dissemination and communication activities

Dissemination work in LABOR is coordinated by Task T9.1 and will be achieved by using different channels and events to spread information and knowledge of LABOR. The present template lists the most common types of dissemination activities not included in the previous sections.

The internal identifier does not indicate a certain priority and it will be continued in serial numeration.

The type of dissemination activity might be chosen from one of the following categories: Conference, Workshop, Web publication, Press release, Flyer, Article published popular press, Video, film or TV clip, Media briefing, Presentation, Exhibition, Thesis, Interview, Poster, Other.

Main initiator is the LABOR partner who leads the dissemination activity, i.e., UNICAMPANIA.

Under "Contents of dissemination activity" any explanatory text to give more details on the activity might be entered.

If possible the type of audience, the dissemination activity was brought to, shall be chosen from these categories: Scientific Community (higher education, Research), Industry, Civil society, Policy makers, Medias, Other.

Internal identifier (AXX)	Type of dissemination activity [4]	Main Initiator	Title of dissemination activity	Contents of dissemination activity	Date	Place	Type of audience	Approx. size of audience	Addressed countries	Permanent identifiers [5] (if available)
A01	Article published popular press	UNICAMPANIA	Uomo-macchina, Opportunità e Sviluppi, Scenari vol. n. 10 "Industria 4.0", inserto de Il Sole 24 Ore	Interview	30/07/2018	Milan, IT	General public	1 M	Italy	
A02	Poster	UNICAMPANIA	LABOR project	Poster presentation at ICINCO 2018	30/07/2018	Porto, P	Scientific community	200	Europe	
A03	Presentation	UNICAMPANIA	Esperienze di trasferimento tecnologico	Project general presentation	21/03/2018	Caserta, IT	Industrial representatives	100	Italy	
A04	Choose type of activity, please!				Choose date [dd/mm/yyyy], please!					

Table 4 – List of other dissemination and communication activities

[4] Types of dissemination activities to be chosen from: Publication, Conference, Workshop, Web publication, Press release, Flyer, Article published popular press, Video, film or TV clip, Media briefing, Presentation, Exhibition, Thesis, Interview, Poster, Other

[5] A permanent identifier should be a persistent link to the published version full text if open access or abstract if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

5 Publishable results for CORDIS "Latest Results in Brief" section

5.1 List of publishable results

Another opportunity that the LABOR project can exploit to disseminate its results is the service offered by the CORDIS portal "Results in Brief" [2].

A typical "Result In Brief" article comprises three parts. In the head section are listed: project title, project ID, research programme, country and domain. In the main section underneath a title and a short subtitle the technology will be described. The main section will be published in English, French, German, Italian, Polish and Spanish. If possible, a representative picture should be added. In the foot section related information will be added. It comprises a list of keywords, links to related subjects and finally a link to the project's Final Report when the project has been closed.

The table hereafter serves as preparation template for publications on the CORDIS "Results in Brief" section.

Internal identifier (CXX)	Headline of Technology	Subtitle of Technology	Domain[6]	Country	Intended Launch Date	All Languages available?	Keywords
C01					Choose date [dd/mm/yyyy], please!	Choose YES or NO, please!	
	Result In Brief Text						

[6] One of the following domains: Agriculture and forestry, Bioeconomy, Biotechnology, Commission in-house research science areas, Energy, Environment, Fisheries and aquaculture, Food, Health, Information and communication technologies, International Cooperation, Key enabling technologies, Research infrastructures, Science with and for society, Security, Small businesses (SMEs), Social sciences and humanities, Space, Synergies with structural funds, Transport

Internal identifier (CXX)	Headline of Technology	Subtitle of Technology	Domain[6]	Country	Intended Launch Date	All Languages available?	Keywords
C02					Choose date [dd/mm/yyyy], please!	Choose YES or NO, please!	
	Result In Brief Text						
C03					Choose date [dd/mm/yyyy], please!	Choose YES or NO, please!	
	Result In Brief Text						

Table 5 – List of technologies for publication in EC CORDIS' "Results In Brief" section

6 Communication activities

6.1 Communication plan

Communication activities have to start at the outset of the project and they are aimed at letting the target audiences (scientific community, industrial community, students, general public) know the project existence, its goals, challenges and participants. Information about specific technical results will be tackled by dissemination activities, as presented above. Communication initiative will be devoted mainly to inform the general public about the general outcome of the project and the communication material will generally not contain any technical information.

Each partner will try to involve in any communication initiative all project participants and, if necessary, the Clean Sky 2 JU, according to the rules set in the GA.

In accordance with part B of the GA, to maximize communication, the following tools will be adopted:

- Printed and media material
- Project web site
- Communication events, such as project presentations and workshops

Each communication activity will be included in Table 4, together with other dissemination activities.

All beneficiaries will contribute with part of their budget to such type of activities, with a stronger involvement of UNICAMPANIA, who has the role of WP9 leader.

6.2 Social media

According to the Social Media Guide for EU funded projects (v. 1.0), the consortium has identified Mr. Gaetano Lettera as the person in charge of social media activities of the LABOR project, as he is also the webmaster of the LABOR web site.

The LABOR steering committee decided to adopt Facebook and Twitter as platforms for the social media activities, which are currently limited to the sharing via these two channels of any article on the project web site (see Figure 1). The effect of this action will be monitored during the course of the project to understand if it is sufficient to support communication activities, or if it should be supported by other actions.

Figure 1 – Article sharing via social media platforms.

7 References

[1] NACE Nomenclature Rev. 2, http://ec.europa.eu/eurostat/documents/3859598/5902521/KS-RA-07-015-EN.PDF, visited 30 July 2017.

[2] EU Publications Office: "CORDIS Project & Results Service", URL: https://cordis.europa.eu/projects/home_en.html, visited on 17.07.2018