



REVERT

DELIVERABLE 7.3

Dissemination & Communication Activity Report - 2



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ABSTRACT

The 2nd Communication and Dissemination activity report is the main document outlining the communication and dissemination activities occurring in the second year of the REVERT project.

STATEMENT OF ORIGINALITY

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

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EXECUTIVE SUMMARY

The focus of REVERT's Work Package 7 (WP7) – "Dissemination and the Exploitation of the research results of the project" is on sharing the project's results with health, social care, research and support organisations within the participating countries and other stakeholders beyond the REVERT consortium who are interested in innovative, alternative and personalized therapy for the treatment of mCRC.

This deliverable represents the 2nd Communication and Dissemination activity report is the main document outlining the communication and dissemination activities occurring in the second year of the REVERT project, as described in Milestone 8 (Dissemination and communication plan).

Overall, the dissemination activities during the second year of the project have been a slow achievement across the different channels used and the REVERT project has already been able to reach a wide audience. In a nutshell, the activities carried out include:

- Update of the project website;
- Update of the REVERT social media profiles and promotion of the project via these channels;
- Distribution of the second and third REVERT newsletter in a digital format;
- Publication of interesting news related to the project achievements and related topics both on the project website and social media;
- Publication in scientific reviews and peer journals, general and specialized press and blogs;
- Organisation of events where presenting the REVERT outcomes;
- Organisation of meetings by partners with their local, regional, national, and EU key stakeholders.

1. INTRODUCTION

Colorectal cancer (CRC) is among the most frequent causes of cancer deaths (<https://seer.cancer.gov/statfacts/>). About 50% of CRC patients with local or regional disease will develop distant metastases, while almost 21% of CRC patients have metastases already at the time of diagnosis, with a 5-year survival of 13.8% (<https://seer.cancer.gov/statfacts/>). The selection of the optimal first-line treatment therefore represents a crucial step in the therapeutic pathway of patients with metastatic CRC (mCRC), allowing a significant improvement in both the objective response rate (RR) and overall survival (OS) thanks to the development and combination of different drugs, both cytotoxic (fluoropyrimidine, oxaliplatin, irinotecan) and biological (cetuximab, panitumumab, bevacizumab).

In this context, the REVERT project will address the specific challenge of understanding at the system level the pathophysiology of mCRC cancer in patients who respond well or poorly to therapies, in order to design an optimal strategy for mCRC on a case-by-case basis, with therapeutic interventions modulated according to the characteristics of the patient. As a result, REVERT will develop an innovative artificial intelligence (AI) based decision support system using the real-world experience and data of experienced general hospitals operating in the EU health system, ultimately in order to develop an improved model of combinatorial therapy - based on a personalized medical approach - which identifies the most efficient and economical therapeutic intervention for patients with unresectable mCRC. This objective will be pursued through the construction of REVERT-DataBase (RDB) thanks to a large number of standardized biobank samples with related structured data and clinical databases (including known clinical and biological aspects, as well as new, potential prognostic / predictive biomarkers) from different important European clinical centers. The RDB, in turn, will be used to build a sophisticated computational framework based on artificial intelligence to evaluate its impact on survival and quality of life in a prospective clinical trial by testing new treatment sequences of available molecular drugs authorized for mCRC patients. In the end, the REVERT will also generate an EU- network among SMEs, Research Institutions, Clinical Centres and Biobanks focused on R&D in the field of AI-Health for the development of personalised medicine.

In this framework, the importance of timely and effective communication of project activities and results is inherent to the success and the overall impact of the REVERT project.

Dedicated dissemination and communication activities are to be pursued throughout the entire life cycle of the REVERT project to achieve the widest possible impact in Europe (and beyond). This deliverable represents the 2nd Communication and Dissemination activity report and outlines the dissemination and communication activities that have occurred in the second project year (M13-M24) of the project as described in the Communication and Dissemination Plan (MS8).

1.1 The focus and objectives of the second project year

During the second project year (M13-M24), Work Package 7 (WP7) focused its efforts on developing and implementing the appropriate dissemination and communication strategy and activities that would result in the best, most effective promotion of the project at the local, national and European levels.

For the second year of project's implementation, the main objectives and strategy of the work plan were to:

- Update the REVERT website;
- Monitor the social media profiles;
- Participate in events at national and European level to raise awareness and visibility for the project;
- Establish, maintain and enhance collaboration with related EU projects and other relevant initiatives;
- Support to partners in the dissemination of peer reviews and scientific articles

1.2 Type of audience targeted

Addressing the target audiences of a research project is a crucial factor in the uptake and use of the research results. Targeting these audiences through appropriate dissemination means and communication activities is one of the main objectives of WP7.

Ongoing interactions are key to ensuring that feedback and evolving user needs are acknowledged and addressed in the most appropriate way throughout the life of the project.

As precisely described in the REVERT Milestone 8 Dissemination and Communication Plan, target groups were defined and subsequently divided into four major groups likely to be interested by the project outputs, and therefore targeted by the consortium for dissemination activities.

In particular, the **first target group** comprises Regional, National and EU policy leads, given that they are responsible for decisions in policy making and policy implementation with regard to prevention, good health and artificial intelligence on national and regional levels. This target group includes high level national representative bodies as ministries of health, EU Office of Public Health, EU Social Insurance Office, the European Economic and Social Committee and national/regional public health institutions. The **second target group** is composed of Scientific community, Professionals of the Health and Social, Academic and Research sector (public and private), SMEs & Industry. It includes relevant stakeholders from both the health and digital sectors (public and private), clinicians and medical practitioners in hospitals, such as physicians and nurses, local associations, local governmental and nongovernmental sectors and hospitals at EU, national, regional and local level. Finally, the **third target group** is made of Associations of patients, Non-governmental organizations, Associations for CRC research, while the **fourth target group** include general national and international audience.

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The aim of the following table is to illustrate the specific Communication and Disseminations tools used for the different target groups.

Table 1 - Dissemination tools adapted to the target groups

Target groups	Dissemination tools
<ul style="list-style-type: none"> Professionals of the Health and Social, Academic and Research sector (public and private) SMEs & Industry 	<ul style="list-style-type: none"> Periodic Newsletter Website Publications Brochure Social Media
<ul style="list-style-type: none"> Associations of patients Non-governmental organizations Associations for CRC cancer research 	<ul style="list-style-type: none"> Periodic Newsletter Website Brochure Social Media
<ul style="list-style-type: none"> Local, regional, national and European Policy makers 	<ul style="list-style-type: none"> Stakeholder meetings Social Media Website
<ul style="list-style-type: none"> General national and international audience 	<ul style="list-style-type: none"> Website Publications Social Media

2. DISSEMINATION & COMMUNICATION ACTIVITIES OF THE 2° YEAR OF THE PROJECT

This part of the document is intended to provide an overview of the dissemination tools, materials, channels created and activities performed by REVERT partners in order to raise awareness and increase visibility of the project during the period of implementation M13-M24.

Before going through the description of the activities carried out by REVERT in the framework of dissemination of the project from month 13 to month 24, it's worth mentioning in a nutshell what was finalised during the first year and already fully described in **"D7.2 – Dissemination & Communication Activity"**:

- Definition of the project's **Visual identity**. Creation of a common brand in order to convey order to ensure consistent appearance of the project (M3);
- Launch of the **project website** – <https://www.revert-project.eu/> – one of the most important dissemination and working tools of the project communication strategy (M3);
- Launch of **social networks** to facilitate open and updated information on project progress to a broad spectrum of stakeholders and a general audience (Twitter at M1, LinkedIn at M3);
- Issue of the 1° **Newsletter** launched in October 2020 presenting: the launch of the project in Rome in January 2020; the interview of Fiorella Guadagni, REVERT Project Manager, who presented the project strategy; the approach chosen for targeting correct treatment for metastatic CRC patients;
- Definition of **Dissemination material** (brochures, leaflet template) in English;
- Production – and uploaded in the website – of 6 publications for strengthening the awareness and knowledge of REVERT and enhancing the discussion and knowledge exchange with external experts;
- Participation in online **international events** for the promotion of REVERT objectives and goals;
- **Local stakeholder analysis and engagement with relevant national stakeholders** interested in taking parting in the REVERT community and participating in local and national events;
- List of other activities put in place by each of the partner in order to inform all the kinds of target audiences about the REVERT objectives.

2.1 Website update

During the second project year the main focus of the website as a dissemination channel has been on maintaining a sustained interest in project activities among a broad audience although the Covid-19 prevented the organisation of in-person events (at any level) and project activities (e.g., slow down of the oncologists in the revision of the Electronic Health Charts to be used in the

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retrospective trial because all personnel has been recruited to provide assistance for patients affected by COVID-19)

In total, 11 news items have been published on the website during this second phase of the project.

It has been regularly updated with news items highlighting project and partners activities in the framework of REVERT, like: a) the publishing of the second and third REVERT newsletters; b) the organisation (April 2021 the 26th) by ProMIS of the “European Actions to fight Cancer: a new EU approach to prevention, treatment and care” webinar; c) the UCAM’s podcast regarding the REVERT WP3.

Even during the second project year the main focus of the website as a dissemination channel has been on maintaining a sustained interest in project activities among a broad audience. It has been regularly updated bi-weekly (in many months).

The six most recent news items are always automatically presented on the homepage of the website, causing its appearance to change regularly thus motivating visitors to further explore and come back to the website

Moreover, other topics related to project content have been focused on, as: a) the launch by the EIT Health Think Tank of a new report on Artificial Intelligence (AI) and digital solutions in European healthcare; b) the publication by EC of the “Study on eHealth, Interoperability of Health Data and Artificial Intelligence for Health and Care in the European Union”.

The “Job posting” section was populated (November 2021) in order to dedicate a specific area for partner organisations willing to hire experts, post-docs or PhD students. UCAM launched a job position in order to looking for a “Postdoc position in OMICS and Machine Learning”.

The “About us” section is updated constantly, since all the actors of the consortium collaborated by supplying revised presentations of their own organisations, in order to populate the website with partners’ profiles, to provide not only visibility for the countries participating in the project but also to inform interested website visitors about different local contexts.

Statistical data on traffic volumes and visitor information for the website (from January 2021 to December 2021) is gathered via the analytics tool Google Analytics. Details are presented in the table below.

Moreover, the “Deliverables” section has been implemented with downloadable web versions (PDF) of the public documents approved by the EC:

- [Deliverable 2.1 - FAIR Data Management Plan](#);
- [Deliverable 4.1 - Report on SOPs](#);
- [Deliverable 7.1 - Website](#)
- [Deliverable 7.2 – Dissemination & Communication Plan](#)

The update of the website content, layout and design is ongoing throughout the implementation of the project.

Statistical data on traffic volumes and visitor information for the website is gathered via the evaluation tool Google Analytics. Details are presented in the tables below:

Statistical data on traffic volumes and visitor information for the website is gathered via the evaluation tool Google Analytics. Details are presented in the tables below:

Table 2 - Website statistical data

Field	Data
Number of visits	1921
Number of pageviews	3661
Number of visitors	1583

In the period from January 2021 to 21th December 2021, the official REVERT website attracted almost two thousand visits, generating around 3660 pageviews. With reference to the number of visitors, additional details on both returning and new visitors and the country origins of the visitors are reported below.

Figure 1 – Percentage of the Project Website visitors

■ New Visitor ■ Returning Visitor

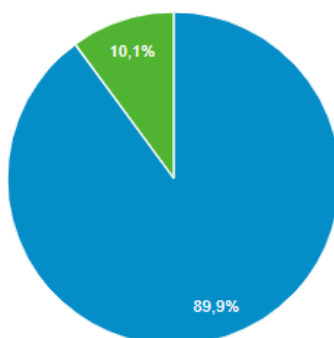






Table 3 - Visitor's origins

Paese	Utenti	% Utenti
1.  Spain	229	 15,18%
2.  Italy	197	 13,06%
3.  United States	180	 11,93%
4.  China	99	 6,56%
5.  Netherlands	81	 5,37%
6.  Finland	72	 4,77%
7.  India	68	 4,51%
8.  France	67	 4,44%
9.  Romania	59	 3,91%
10.  United Kingdom	57	 3,78%

2.2 Social media

Social networks seek to facilitate open and updated information on project progress to a broad spectrum of stakeholders and a general audience. As they allow a rapid information flow, they have been employed to elicit feedback and comments from key stakeholders and to facilitate synergies with other initiatives, projects and/or organisations at national and European level. To exploit the opportunities potentially generated by social media, REVERT is present on Twitter and LinkedIn.

Further interaction with REVERT tweets and the engagement of the new stakeholders has been achieved by:

- using the following hashtags #europeanproject #revertproject #europeanproject #revert #colorectalancer #CRC #mCRC #H2020 #artificialintelligence #AI
- tagging relevant profiles (European Commission, EU Health, etc.);
- re-tweets;
- informative posts promoting interesting content coming from the UNICORN consortium, as well as outside.

Twitter

REVERT twitter profile has been constantly updated with news from the project and related fields. A screenshot of the profile is following reported:

Figure 2 - Twitter Profile



The REVERT Twitter profile focuses on promoting the project to a broad European public, advertising key concepts related to REVERT and keeping up news about its project partners, related initiatives as well as EU profiles. In addition, whenever applicable, posts and tweets have been supported by visuals and linked to the project website.

Through the regular publishing of tweets, the project's Twitter profile has collected 45 followers. Selected statistical data provided by the built-in tool Twitter Analytics are included in the following table (January 2021 – December 2021):

Table 4 - Twitter statistical data

Field	Data
Number of tweets of Revert profile	12
Number of visits of Revert profile	1231
Number of partners' posts	37
Number of impressions of Revert profile	11281
Number of impressions of partners' profile	5689

LinkedIn

As a networking site for professionals, LinkedIn can be used reach out to a more specialised audience when compared to Twitter. As a dissemination channel, LinkedIn will become more important at a later stage at the project, when tangible outputs have been produced by the project which can then be presented to a dedicated network. The REVERT LinkedIn profile,

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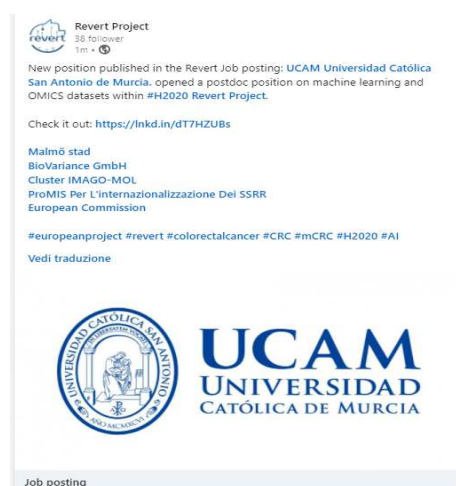
through the regular publishing of tweets, has so far collected 38 followers. Selected statistical data are provided below.

Table 5 - LinkedIn statistical data

Field	Data
Number of posts of Revert profile	11
Number of visits of Revert profile	402
Number of partners' posts	16
Number of impressions of Revert profile	852
Number of impressions of partners' posts	1096

Finally, for illustrative purposes, an example of post is following reported:

Figure 3 – LinkedIn profile



2.3 Newsletter

The REVERT newsletter represents an essential and powerful tool for disseminating information on events, as well as on the upcoming activities of the project. The newsletter is produced and circulated in electronic format using the Mailchimp marketing service and a [registration form](#) has been integrated on the REVERT website.

During the second project period (January 2021 – December 2021) 2 newsletters were produced. The Project Revert newsletter features articles, news, events/webinars on project activities and outcomes, and cancer-specific articles.

The [2nd newsletter](#) issue of the REVERT project was launched in May 2021.

The second newsletter included a presentation of the article published in the Nature Research Journal, discussing the central concepts of explainable AI (XAI) in the emerging field of Drug

Discovery. In addition, the results of the webinar organized by the Catholic University of Murcia (UCAM) entitled “Computational Methods for Drug Discovery” were presented, where the different computational methodologies for drug discovery developed by the UCAM BIO-HPC research group and how they have been applied to various academic and industrial projects were illustrated.

The 2nd Newsletter also included a specific article on the Europe's Beating Cancer Plan, as one of the main health priorities of the Von der Leyen Commission and a key pillar for a strong European Health Union. Finally, the “Artificial intelligence: questions of interpretation and application of international law” published in January 2021 by the European Parliament, has been described.

The [3rd Newsletter](#) has been delivered in December 2021.

News on the new position published in the [Revert Job posting](#) was included.

Moreover, information on the new Spanish Podcast – created by Horacio Pérez-Sánchez, from the partner Fundacion Universitaria San Antonio, UCAM – called “Investigando la investigación (Researching the research)” were given, describing in particular the specific episode dedicated to the research in the Revert Project. The 3rd Newsletter also included a specific article on the webinar organised by the partner Programma Mattone Internazionale Salute – ProMIS, the last 26th April 2021 entitled “European Actions to fight Cancer: a new EU approach to prevention, treatment and care”, in which the Revert Project has been presented. Finally, information on the European Commission “Study on eHealth, Interoperability of Health Data and Artificial Intelligence for Health and Care in the European Union” were given, together with details on the EIT Health Think Tank Report on Artificial Intelligence (AI) and digital solutions in European healthcare.

The newsletter is a valuable opportunity for all stakeholders, as well as for the wider public, to learn more about the activities carried out by the project.

A total of 309 contacts have been collected (December 2021). Thus, the 2nd and the 3rd newsletters of the project have been distributed to all the REVERT subscribers. Furthermore, they have been translated in Italian and circulated by email to the ProMIS database, reaching 4900+ international subscribers (December 2021). Newsletters including the REVERT related events have also been disseminated to the IMAGO-MOL mailchimp data base including 280 contacts (medical doctors, reseachers, teaching professors, students, project managers).

REVERT’ newsletters are available as a PDF document online and are accessible via the REVERT website under the section “News”. Newsletters are published on a six-monthly basis.

2.4 Publications

Following the REVERT Dissemination and Communication Plan, one publication has been released in scientific reviews and peer journals, general and specialised press and blogs. This helped to strengthen the awareness and knowledge of REVERT and enhances the discussion and knowledge exchange with external experts.

For an illustrative purpose a screenshot of the publication is reported below:

Figure 4 – UNITOV and San Raffaele publication

Open Access

Review

Towards the Interpretability of Machine Learning Predictions for Medical Applications Targeting Personalised Therapies: A Cancer Case Survey

by  Antonio Jesús Banegas-Luna ^{1,*}  Jorge Peña-García ¹  Adrian Iftene ² 
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Abstract

Artificial Intelligence is providing astonishing results, with medicine being one of its favourite playgrounds. Machine Learning and, in particular, Deep Neural Networks are behind this revolution. Among the most challenging targets of interest in medicine are cancer diagnosis and therapies but, to start this revolution, software tools need to be adapted to cover the new requirements. In this sense, learning tools are becoming a commodity but, to be able to assist doctors on a daily basis, it is essential to fully understand how models can be interpreted. In this survey, we analyse current machine learning models and other in-silico tools as applied to medicine—specifically, to cancer research—and we discuss their interpretability, performance and the input data they are fed with. Artificial neural networks (ANN), logistic regression (LR) and support vector machines (SVM) have been observed to be the preferred models. In addition, convolutional neural networks (CNNs), supported by the rapid development of graphic processing units (GPUs) and high-performance computing (HPC) infrastructures, are gaining importance when image processing is feasible. However, the interpretability of machine learning predictions so that doctors can understand them, trust them and gain useful insights for the clinical practice is still rarely considered, which is a factor that needs to be improved to enhance doctors' predictive capacity and achieve individualised therapies in the near future. View Full-Text

Keywords: drug repurposing; machine learning; personalised therapy; cancer treatment; deep learning; high performance computing

▼ Show Figures

Table 6 – 2nd Year publication

Title of the publication	Date of the publication	Topic of the publication	Journals and/or open access platforms	Type of audience reached	REVERT partner	Other
ECG Biometrics: Experiments with SVM	08/01/2021	Artificial intelligence in medicine	Conference on Mathematical Foundations of Informatics MFOI2020	Researchers, professors and students	IMAGO-MOL	http://mfoi2020.inf.ua/documents/Proceedings_MFOI_2020.pdf
Using Artificial Intelligence in Medicine	08/01/2021	Artificial intelligence in medicine	Conference on Mathematical Foundations of Informatics MFOI2020	Researchers, professors and students	IMAGO-MOL	http://mfoi2020.inf.ua/documents/Proceedings_MFOI_2020.pdf
Using F.A.S.T. Test to Detect Stroke	08/01/2021	Artificial intelligence in medicine	Conference on Mathematical Foundations of Informatics MFOI2020	Researchers, professors and students	IMAGO-MOL	http://mfoi2020.inf.ua/documents/Proceedings_MFOI_2020.pdf
Towards the Interpretability of Machine Learning Predictions for Medical Applications Targeting Personalised T+3:8	22/4/21	<p>Banegas-Luna, A.J., Pena-Garcia, J., Iftene, A., Guadagni, F., Ferroni, P., Scarpato, N., Zanzotto, F.M., Bueno-Crespo, A., Perez-Sanchez, H. 2020.</p> <p>In this survey, current machine learning models, frameworks, databases and other related tools as applied to medicine - specifically, to cancer research - are analysed and related interpretability, performance and the necessary input data are discussed.</p>	Int. J. Mol. Sci. (International Journal of Molecular Sciences)	large public	UNITOV e San Raffaele	doi: 10.3390/ijms22094394

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MedPlus - a cross-platform application that allows remote patient monitoring	8/9/21	Telemedicine	25rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems	Researchers, professors and students	IMAGO-MOL	https://www.science-direct.com/science/article/pii/S1877050921018883
UAIC2021: Lung Analysis for Tuberculosis Classification	21/9/21	Artificial intelligence in medicine	Working Notes of CLEF 2021 - Conference and Labs of the Evaluation Forum	Researchers, professors and students	IMAGO-MOL	http://ceur-ws.org/Vol-2936/paper-102.pdf
Artificial Intelligence in Dentistry: Teeth Classification	14/10/21	Artificial intelligence in medicine	Workshop on Intelligent Information Systems WIIS2021	Researchers, professors and students	IMAGO-MOL	http://www.math.m d/wiis2021/Compose d_Proc_WIIS2021.pdf
Global Methylome Scores Correlate with Histological Subtypes of Colorectal Carcinoma and Show Different Associations with Common Clinical and Molecular Features	14/10/2021	Colorectal cancer	Cancers. 2021; 13:5165. PMID. 34680315	Researchers, oncologists, pathologists	FFIS	doi.org/10.3390/cancers13205165

2.5 Events

During the second project year, few partners have organised dissemination actions to spread information at different selected events, supported by a series of documents such as the ppt template, the poster template, the leaflet, policy briefs and publications.

Due to the COVID-19 pandemic, not all partners started organising meetings with practitioners, pharmaceutical, diagnostic and IT companies, policy makers, commissioners, social sector professionals and service users to inform about aims and activities of the project and to start creating awareness at the European level. By the way the opportunities of REVERT have been explained to many kinds of target groups. The table 7 describes international events participated in and attended by REVERT partners in the second project year.

2.5.1 International & national events

Table 7 - International & National events participation

Name of the event	Date of the event	Type of event	Partners	Number of participants	Communication material used	Type of audience reached	Objectives	Outcomes
“Bridging the gap” workshop within the BrainTwin project, funded by the Horizon 2020 program	21/04/2021	Workshop	IMAGO - MOL	30	PPT presentation	Researchers/PhD students/teaching professors from technical and medical universities from Romania, Spain, Germany	The workshop aimed to present some examples of projects and initiatives that support technological transfer and innovation in the medical field both in Romania and in Europe. It also facilitated networking between the participants present.	IMAGO-MOL Cluster was invited and made a presentation on to its role of facilitator of the development of the regional digital health ecosystem, including REVERT project ambition.
Joint RSCN-CORAL “How do we beat cancer equally with Data Analytics?”	30/06/2021	Webinar	ProMIS San Raffaele	45	PPT presentation	Healthcare professionals / researchers / general public	Presentation of objectives and main activities of the REVERT project.	Understanding and knowledge of the project.
BrainTwin Summer Camp	21/07/2021	Summer school	IMAGO - MOL	50	PPT Presentation	Researchers/PhD students/teaching professors	The IMAGO-MOL cluster supported the presentation “IMAGO-MOL Cluster collaborative projects: matchmaking health and technology”.	Understanding and knowledge of the REVERT project.



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Romanian AI Days	25/11/2021	Virtual conference	IMAGO-MOL	100	Dynamic Batch Adaptation: Adaptive Parameter-Wise Batch Size	Researchers from AI	To exchange ideas with participants	Groups with similar interests in the country and abroad have been found.
Romanian AI Days	25/11/2021	Virtual conference	IMAGO-MOL	100	Multi-Domain Attention Based Self-Supervised Learning for Medical Image Analysis	Researchers from AI	To exchange ideas with participants	Groups with similar interests in the country and abroad have been found

2.6 Local stakeholders' engagement

Below an overview of meetings organised by partners with their local, regional, national, and EU key stakeholders.





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Table 8 - Local stakeholders' engagement

Name of the event	Type of event	Date of the event	Partners	Number of participants	Communication material used	Type of audience reached	Objectives
Infoday Health Group South Tyrol	Online meeting	11/03/2021	ProMIS	13	PPT Presentation	Representatives of Health & social directorates, Universities, 3 rd sector of the Autonomous Province of Bolzano	Presentation of objectives and main activities of the REVERT project.
"European Actions to fight Cancer: a new EU approach to prevention, treatment and care"	Webinar	26/04/2021	ProMIS	125	PPT Presentation	Representatives and Stakeholders of the Italian Regions/Autonomous Provinces - Health Departments (Policy makers, Managers, Clinicians, Researchers, Administrators).	Presentation of the REVERT project
Meeting of ProMIS Technical Operational Committee (Italian Regions, Ministry of Health, National Agency for Regional Health Services)	Face to face Meeting	20-21/05/2021	ProMIS	20	PPT Presentation	Italian Regional representatives of the health directorates	Update on the REVERT project activities





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Training activities to Regional Healthcare units of Lazio Region	Face to face Meetings	10-11/06/2021	ProMIS	30	PPT Presentation, brochure	People working in the healthcare sector, such as doctors, nurses	Presentation of the objectives and main activities of the REVERT project.
Training activities to Regional Healthcare units of Lazio Region	Face to face Meetings	21-22/06/2021	ProMIS	30	PPT Presentation, brochure	People working in the healthcare sector, such as doctors, ...	Presentation of the objectives and main activities of the REVERT project.
ProMIS' Summer School "Sustainable health: policies, funding, networks and European co-programming"	Face to face meeting	1-3/07/2021	ProMIS	25	PPT Presentation	Italian Regional representatives of the health directorates	Presentation of REVERT project as successful case of transfer of EU best practice
European projects dissemination event in the academic environment	Face to face	15/07/2021	IMAGO-MOL	40	PPT Presentation	researchers/PhD students/teaching professors	The event aimed for multiplying and disseminating the results of the REVERT Project in the academic environment.
DeepLearn 2021 Summer	Technical workshop	26-30/07/2021	UCAM	20	PPT Presentation	AI experts	Introduction to REVERT to AI experts
Meeting of ProMIS Technical Operational Committee (Italian Regions, Ministry of Health, National Agency for Regional Health Services)	Face to face meeting	11-12/11/2021	ProMIS	37	PPT Presentation	Italian Regional representatives of the health directorates	Update on the REVERT project activities



Institutional Meeting on Health Research - Year 2021	Face to face meeting	15/12/2021	Az. ULSS3	47	PPT Presentation Brochure	Directors/Internal Staff/ Researchers and Collaborators of Azienda ULSS 3 Serenissima/LHA 3	<ol style="list-style-type: none"> 1. To raise awareness, promote and enhance research activities at the institutional level; 2. To promote future participations in regional/national/European calls in 2022; 3. To communicate the role of admin. support for research projects carried out by the dedicated office in LHA3
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2.7 Contribution of the partners to the C&D of REVERT activities

Almost all the partners in this second year have collaborated in disseminating information and project initiatives through their online communication channels (websites, newspapers, media) in order to create awareness around REVERT.

Since January 2021 the second issue of the Project newsletter was shared in many partner websites.

Table 9, indeed, lists chronologically all the activities put in place by each of the partner in order to inform all the kinds of target audiences.

Table 9 – C&D activities of partners

Title of the content	Date of the publication	Topic of the publication	Partners	Dissemination level	Communication material used	Type of audience reached	Link web page in which the content has been published
Pubblicata la seconda newsletter del Progetto europeo Revert - taRgeted thErapy for adVanced colorEctal cancer paTients	27/04/2021	Promotion of 2° project Newsletter	ProMIS	Public	Partner website & partner newsletter	Healthcare professionals / researchers / general public	https://www.promisalut.e.it/servizi/notizie/notizie_fase02.aspx?ID=12847
Presentation of the REVERT project within the webinar “European Actions to fight Cancer: a new EU approach to prevention, treatment and care”	28/04/2021	Presentation of the REVERT project within a webinar	IMAGO-MOL	Public	Partner website	General public	https://www.imago-mol.ro/presentation-of-the-revert-project-within-the-webinar-european-actions-to-fight-cancer-a-new-eu-approach-to-prevention-treatment-and-care/?lang=en
New International Project Office website (spanish version)	1/6/2021	Aims and results of the project	UCAM	Public	Partner website	General Public	https://investigacion.ucam.edu/opri/proyectos
// REVERT: artificial intelligence to fight colorectal cancer	12/7/2021	Presentation of the Project	LIH – IBBL	Public	Partner Website – 2020 Annual Report	General Public	https://www.lih.lu/page/activity-reports



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HORIZON 2020 - TaRgeted thERapy for adVanced colorEctal canceR patients - REVERT	25/11/2021	Presentation of the Project	AZ. ULSS3	Public	Partner Website	Internal Staff/Collaborators and External Users of the website	https://www.aulss3.veneto.it/Progetti-europei
El proyecto europeo REVERT genera una guía de técnicas de inteligencia artificial	2/12/2021	Article in the 'WIREs Computational Molecular Science'	UCAM	Public	Partner website	General Public	https://investigacion.ucam.edu/noticias/proyecto-europeo-revert-genera-guia-tecnicas-
Project REVERT research described in a Spanish podcast - researching the research	15/12/2021	Information about Project REVERT research described in a Spanish podcast - researching the research, published by UCAM; link to project presentation and first scientific paper of the project on Interpretability and Artificial Intelligence in Medicine)	IMIB/IBiPO	Public	Partner websites	Healthcare professionals / researchers	https://ibipo.imib.es/ibipo/masmurcia_individual.jsf?id_valor=15321&padre=15321 https://www.imib.es/portal/noticia.jsf?subentradada_actual_web=15330&padre=15330
Newspaper	20/12/2021	Article in the 'WIREs Computational Molecular Science'	UCAM	Public	Partner newspaper	General Public	https://lavoz.ucam.edu/



3. LESSONS LEARNT FROM THE 2° PERIOD

The utility and power of the second Communication and Dissemination report is to take stock of the situation, highlighting the critical issues and/or activities that need to be better developed.

In this sense, we need to specify that the advancement of the second-year actions of the Revert project has been affected by the Covid-19 emergency which has engaged at the forefront both different project partners and their stakeholders. Indeed, the general slowdown – as happened during 2020 – of the planned activities caused a re-programming of the timing and in particular of communication and dissemination activities.

With reference to publications in scientific reviews, peer journals (with open access) and general and specialized press and blogs, partners published many publications. particularly in mathematical and Engineering Systems contexts. This proves the interdisciplinarity of the project and the importance to "bring" medicine topics in those environments.

During 2021, a few partners started again involving local/national and European stakeholders in face-to-face meetings in order to update them over the project activities and also to promote further cooperation as for the 2022 in the framework of REVERT. This is also the result of the mapping activity undertaken during the first project year and described in the previous report

The Communication and Dissemination team started also developing the "Job Postings" section of the REVERT project website, after asking partners to contributing if they wished to include job postings from experts, post-docs or PhD students.

End of Deliverable 7.3

