MOSAR

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Lead Partner	:	University of Strathclyde
Abstract	:	This document contains the updated M15 plan for and a delivered summary of the dissemination and communication activities. It details the stages of a website development, and defines the timing for initial plan of participation in conferences and article submission to journals and invited talks.
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Version	**Date**	**Author**	**Changed Sections / Pages**	**Reason for Change / RID No**
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0.0.2	11/09/2019	Xiu T Yan Pierre Letier	An update of D7.2 by adding a new section 3.1 added Section 4	This is to clarify the open access requirements. Update following RID OG09-16 (conference name mapping) Text Improvement
0.0.3	20/5/2020	Xiu T Yan Pierre Letier	Publication tables updated and sections added to show the delivered conference papers, publishes	These new tables provided with new updates and make it easier to see what have been delivered.
0.0.4	1/6/2020	Xiu T Yan Miguel Arancon	Additional dissemination category added	The MOSAR project partners have engaged on additional dissemination activity.
1.0.0	12/06/2020	Xiu T Yan	All	Updated issue for CDR milestones and RIDs
1.1.0	03/08/2020	P. Letier	Table 2-2 Section 8.5 Table 4-1 Table 4-2 Table 4-3 Section 6.2 Section 8.4	Updated following RID OG09-108 and current status of the website. Add additional information about impact of COVID-19 on digital communication and specific way to limit it or take advantage of it (as feedback to RID OG09-109). Correct suggested topic CP8, as feedback to RID OG09-130. Correct typo, as feedback to RID OG09-131 Update table following RID OG09-132, and with the last set of information Update text and correct typo as feedback to RID OG09-133 Add justification why to not consider other online communication channel, as feedback to RID OG09-134.

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1 Introduction

1.1 Purpose and Scope

This document defines, describes, and schedules the communication and dissemination activities we will undertake during project MOSAR's implementation. Communication activities aim to inform the general public about the project objectives, progresses made, new knowledge gained and outcomes and impacts generated. Dissemination activities aim to share and publish the latest research and development results in order to encourage wider research and technical users and stakeholders to adopt MOSAR concept, approaches and technologies in other technical systems.

For each activity we define (i) the expected outcome of the activity, (ii) the start date and the expected ending date of the activity, (iii) a breakdown of the activity into stages with expected completion dates. These will ensure MOSAR project is fully delivered and impacts created during and after the project.

In addition, the document also provides an update of the communication activities, the published conference papers, and published journal paper as well as delivered Invited talks to show the progress made in these communication and dissemination activities. Finally the MOSAR project partners have participated in additional dissemination activity which was not planned and a new category of dissemination activities called Additional Dissemination Activities have been added into this report and to the Dissemination Tracker.

1.2 Document Structure

In brief, the document is structured as follows:

Chapter 1 Introduction

Chapter 2 Communication through multiple channels

Chapter 3 Dissemination general considerations

Chapter 4 Conference Participation

Chapter 5 Journals publication

Chapter 6 Invited Talks and Symposia

Chapter 7 Article writing process

Chapter 8 Online Communication Channels

Chapter 9 Conclusion

1.3 Applicable Documents

AD1 MOSAR Grant Agreement

1.4 Reference Documents

RD1 MOSAR-WP7-D7.1-SA (Outreach Status Report SRR)

RD2 MOSAR-WP7-D7.2 Dissemination and Communication Plan M

1.5 Acronyms

Acronyms	Meaning
SAS	Space Applications Services
DLR	Deutsches Zentrum für Luft- und Raumfahrt e.V
GMV	GMV Innovating Solutions S.L.
TAS-F	Thales Alenia Space-France
MS	MAG SOAR SL
TAS-UK	Thales Alenia Space-UK
SITAEL	
UoS	The University of Strathclyde
ESTEC	European Space Technological Centre
EAC	European Astronaut Training Centre
i-SAIRAS	International Symposium on Artificial Intelligence, Robotics and Automation in Space
ASTRA	Advanced Space Technologies in Robotics and Automation
IAC	International Astronautical Congress
IAF	International Astronautical Federation
CP	Conference paper
JP	Journal Paper
IT	Invited Talks
SMeSTech	Space Mechatronic Systems Technology Laboratory

2 Communication through multiple channels

2.1 Scope and Purpose

The communication of the MOSAR activities are of significant importance to the project's impact and a combination of a range of methods have been created. The project website is the first important mechanism and is created to facilitate the sharing and exchange of the research findings. It will allow every interested member of the technical and non-technical communities to discover and understand the objectives of the project. It will offer status updates on the progress of the project with reports of the outcomes. Key aspects of the project will be explained in simple terms with ample use of pictures and videos. A newsletter will be prepared and enabled in order to automatically send news to subscribed users.

The document also defines process of creation and release of more information about the project findings on the project website, as well as other electronic and other channels of communications such as LinkedIn, twitter and YouTube which are provided in RD1.

2.2 Activity plan

The communication activities will span the full duration of the project from March 2019 to February 2021. We envision the following stages for project website listed in Table 2-1.

Table 2-1: Website stages

N.	Suggested Deadline	Available features
1	07/2019	An introductory project website for MOSAR including a front page of MOSAR is available. A newsletter and rss feed is functional. MOSAR partners have the possibility to propose a new content to the website and updated news through interaction with the coordinator. A project leaflet is available for download and printing.
2	11/2019	Each major MOSAR task is described in its own page. Previous OGs are introduced and links to their main webpages are provided. A page of MOSAR-related publications is available.
3	05/2020	Work Package 3 results are documented. Website is kept updated with project news such as partial results, experiences and publications.
4	12/2020	Work Package 4 results are documented. Website is kept updated with project news such as partial results, experiences and publications.
5	02/2021	Final project results are document, and a demonstration video is available.

2.3 Activity status

The communication activities are being and have been implemented for the full duration of the project from March 2019 to February 2021. We have delivered the following tasks for project website updated in Table 2-1.

Table 2-2: Website status

N.	Suggested Deadline	Available features	Status
1	07/2019	An introductory project website for MOSAR including a front page of MOSAR is available. A newsletter and rss feed is functional. MOSAR partners have the possibility to propose a new content to the website and updated news through interaction with the coordinator. A project leaflet is available for download and printing.	Completed
2.1	11/2019	Each major MOSAR task is described in its own page.	Completed
2.2		Previous OGs are introduced and links to their main webpages are provided. Will be finalized by end of August	On-going
2.3		A page of MOSAR-related publications is available.	Completed
3.1	05/2020	Work Package 3 results are documented. WP 3 results will be documented through the public detailed design document deliverable, once accepted for final CDR submission. Additional pictures and explanation will be provided in the phase 3 description	On-going
3.2		Website is kept updated with project news such as partial results, experiences and publications.	Completed / On-going
4	12/2020	Work Package 4 results are documented. Website is kept updated with project news such as partial results, experiences and publications.	On-going
5	02/2021	Final project results are document, and a demonstration video is available.	

3 Dissemination general considerations

3.1 Dissemination and open access

The effectiveness of disseminating the results of public funded projects such as MOSAR very much depends on the acceptance of key stakeholders of the project subject area and its end-users. For MOSAR to reach its maximal impact, it is important to consider wide range of these stakeholders and design and implement suitable mechanisms to reach out. A combination of mechanism will be implemented during the project to achieve maximal impact, including conference attendance for quick publications, high quality journal submission for an acceptance of technical excellence, invited talks to present results to targeted policy and decision makers.

Open Access provides researchers, businesses and citizens with improved and free of charge online access to EU-funded research results, including scientific publications and research data. It is essential for them to access to results for the re-use of research outputs so that Europe's ability to enhance its economic performance and improve the capacity to compete through knowledge. Open access is an important way. Results of publicly-funded research can therefore be disseminated more broadly and faster, to the benefit of researchers, innovative industry and citizens. More information can be found at

https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf

The European Commission has required all projects receiving Horizon 2020 funding to publish any peer-reviewed journal article openly accessible, free of charge.

3.2 MOSAR dissemination process

It is also essential to comply with legal requirements of open access in order to achieve the widest dissemination. For the MOSAR project, the project partners will follow the following process in order to ensure that an open access status will be achieved for every single publications produced as a result of the project activities.

1. Open Access is further defined as Green Open Access and Gold Open Access. The project requirement is that a publication must have an open access status before it is accepted in the project reporting. Gold open access is where an author publishes their article in an online open access journal. In contrast, green open access is where an author publishes their article in any journal and then self-archives a copy in a freely accessible institutional online archive known as a repository. More information can be found at https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/FactSheet_Open_Access.pdf
2. To be eligible for a MOSAR publication, an Green Open Access status must be achieved and the University of Strathclyde can provide this service for Green Open Access.
3. All publications should have standard and correct acknowledgement in order to be eligible to be recognised as a MOSAR publication;
4. The University of Strathclyde has access to a number of Springer published journals to make a publication in these journals a Gold Open Access status.
5. All project partners are therefore encouraged to consult the Dissemination Champion to ensure open access services are available and are used before submission and publication for better dissemination;

4 Conferences Participation

4.1 Conference Scope and Purpose

Participation to conferences will allow members of related technical communities to discover, understand and discuss rapidly the objectives, the methods and the technologies of project MOSAR. It will allow us to receive feedback from peers, elicit interest in technical communities, and encourage research leaders and industry leaders to follow MOSAR and eventually adopt its results. For each participation, we will write an article that will be available in the conference proceedings for wider dissemination.

4.2 Activity plan

The activity will span the full duration of the project from March 2019 to February 2021. We envision the publications listed in Table 4-1 with each paper having a unique ID starting with CP for conference papers.

Table 4-1: Conferences submission plan

Paper ID	Suggested topic	Project Submission Deadline	Suggested Submission Deadline	
CP1	Introductory article to project MOSAR. The article defines the scope and aims of the project, it explain the rational behind the proposed objectives.	Feb-20	Submitted on 05/2019	Published
CP2	An overview of the space servicing requirements in a sustainable space age / General high level architecture of project MOSAR.	Feb-20	Mar-20	Abstract accepted
CP3	Vision enabled smart manipulations for in-space construction	Feb-21	Mar-20	Abstract accepted
CP4	Sustainable Spacecraft Manufacturing and Assembly in Space: A Scenarios Study	Feb-21	Mar-20	Abstract accepted
CP5	Precision manoeuvre planning for automatic reconfiguration of space satellites.	Feb-21	Mar-20	Abstract submitted
CP6	Environmental perception in space robotics.			
CP7	Dynamic SpaceWire networks for Modular Spacecraft using RMAP and SpaceWire PnP.		6th April 2020	Abstract submitted
CP8	HOTDOCK: design and validation of a new generation of standard robotic interface for on-orbit servicing.	Feb-21	Mar-20	Abstract accepted
CP9-16	Future research and exploitation.	02/2024	02/2024	

4.3 Target conferences

Conferences are normally good venues for disseminating the quick research results. The MOSAR project will therefore make best use of attendances of various targeted conferences by encouraging all project partners to produce quick research findings. Table 4-2 contains a list of target conferences whose audience would be interested in MOSAR related activities and findings, with proposition of mapping of the suggested topics above.

Table 4-2: Suggested Target Conferences

Paper ID	Conference	Time and Location	Submission deadlines
CP1	Symposium on Advanced Space Technologies in Robotics and Automation (ASTRA)	27 - 28 2019 /2021 05-06/2023	08/05/2019
CP1-1	i-SAIRAS (International Symposium on Artificial Intelligence, Robotics and Automation in Space)	October 18–21, 2020 06/2022	4/08/2020
CP2, CP3	International Astronautical Congress	10/2019 USA 12-14/10/2020 Dubai 10/2021 Paris 09-10 2022 09-10 2023	Abstract 6/3/2020 Full paper option 29/5
CP8	IEEE Aerospace Conference	03/2020 USA, 03/2021 03/2022 03/2023	08/01/2020
CP4	International workshop on satellite constellations and formation flying (IWSCFF)	07/2019 UK, 07/2021 07/2023	10/06
CP4-1	IEEE International Conference on Robotics and Automation (ICRA)	05/2020 05/2021 05/2022 05/2023	10/09
CP5	IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	11/2020 11/2021 11/2022 11/2023	01/03/2020
CP6-7	International Conference on Robotics and Automation	05/2020 05/2021 05/2022 05/2023	10/11/2020
CP7	9th International SpaceWire and SpaceFibre Conference 2021,	13-17/9/2020 13/17/9/2020 postponed	2/4/2020
CP6-7	Mechatronics Conference	09/2020 09/2022	31/05/2020

4.4 Detailed status of achieved and on-going conference dissemination

Table 4-3 lists the current status of achieved and on-going dissemination activities.

Table 4-3: Conference Status

ID	Suggested topic/Article Title	Conference/Event Name	Owner/Lead	Statues
CP1	MOSAR: Modular Spacecraft Assembly and Reconfiguration	European Robotics Forum, in Bucharest, Romania.	Pierre Letier	Published
CP2	An overview of the space servicing requirements in a sustainable space age	71st International Astronautical Congress	Pablo LOPEZ NEGRO	Abstract accepted for presentation via video in 2020
CP6	MOSAR: Modular Spacecraft Assembly and Reconfiguration Demonstrator	ASTRA 2019, Noordwijk, the Netherlands.	Pierre Letier	Published
CP9	Esrocos: Development And Validation Of A Space Robotics Framework[1]	ASTRA 2019, Noordwijk, the Netherlands.	Miguel Munoz Arancon/GMV	Published
CP3	Vision enabled smart manipulations for in-space construction	71st International Astronautical Congress	Alessandro Biaco/Xiu	Abstract accepted for presentation via video in 2020
CP4	Sustainable Spacecraft Manufacturing and Assembly in Space: A Scenarios Study	71st International Astronautical Congress	David Aled Davies, Xiu Yan, Nicola Zuelli, Stephen Morgan	Shortlisted for the UK student paper competition for the IAC and was a Runner up
CP5	MOSAR-WM: a relocatable robotic arm demonstrator for future on-orbit applications	71st International Astronautical Congress	Mathieu Deremetz (WM)	Abstract accepted for presentation via video in 2020
CP7	Dynamic SpaceWire networks for Modular Spacecraft using RMAP and SpaceWire PnP	International SpaceWire and SpaceFibre Conference 2020	Matthew ROWLINGS/TAS-UK	Abstract accepted for presentation delayed to 2020
CP8	HOTDOCK: design and validation of a new generation of standard robotic interface for on-orbit servicing	71st International Astronautical Congress	Pierre Letier	Abstract accepted for presentation via video in 2020
CP10	MPSoCs for Reconfigurable Modular Spacecraft	International SpaceWire and SpaceFibre Conference 2020	Matthew ROWLINGS/TAS-UK	Abstract accepted for presentation delayed to 2020

Note: 1: This paper was produced under the scope of the ESROCOS final results and is listed here for information.

5 Journal Publication

5.1 Scope and Purpose

Publishing articles in a peer-reviewed journal will allow the validation and recognition of project MOSAR results by an expert technical audience. It will also allow the reception of well-informed feedback from peers, it will increase the interest of the technical communities, and make MOSAR project findings and the final outcomes look more reliable to research and industry leaders.

5.2 Activity plan

The activity will span the full duration of the project from March 2019 to February 2021. We envision the publications listed in Table 5-1.

Table 5-1: Journal submission plan

Paper ID	Suggested Topic	Project Submission Deadline	Suggested Submission Deadline
JP1	In depth discussion of project challenges mostly based on literature review with some architectural concepts. Results from Work Package 1, and Work Package 2.	02/2020	02/2020
JP2	Detailed system design of MOSAR robotic components. Results from Work Package 3.	02/2021	07/2020
JP3	Hardware implementation issues and experiences. Results from Work Package 4.	02/2021	12/2020
JP4	Software implementation issues and experiences. Results from Work Package 4.	02/2021	12/2020
JP5	Complete discussion of MOSAR project with final results. Results from Work Package 5.	02/2021	02/2021
JP6-9	Research testing and partial or full demonstration based work including future research and technical exploitation.	02/2024	02/2024

5.3 Target Journals

Table 5-2 contains a list of journals that would be suitable at this stage and might be interested in a MOSAR-related publication. All journals have usually a 3 months or longer review cycle before publications and this will be taken into considerations in selecting final targeted journals for submission.

Table 5-2: Suggested Target Journals

Paper ID	Journal
JP7	Frontier in Robotics and AI
JP5	IEEE Transactions on Robotics
JP3	IEEE Transactions on Mechatronics
JP2	IEEE Robotics and Automation Magazine
JP4	IEEE Transaction on Control System and Technology
JP1	Acta Astronautica
JP6	Advances in Space Research
JP8	International Journal of Advanced Robotic Systems
JP9	Journal of Robotics and Computer Integrated Manufacturing
JP10	Journal of Assembly Automation
Back up	Advances in Mechanical Engineering

5.4 Detailed status of achieved and on-going journal paper dissemination

Table 4-3 lists the current status of achieved and on-going dissemination activities.

Table 5-5-3: Journal Status

Article Title	Journal Name	Status
Haptic-enabled virtual planning and assessment of product assembly	Journal of Assembly Automation	Published and led by Enrique Gallegos, Xiu Yan et al

6 Invited Talks

6.1 Scope and Purpose

Participating to deliver an Invited Talk at a major international conference or Symposia can normally have bigger impact on dissemination for MOSAR project. These activities should have the same objectives as participating to a conference. The main difference is that there will be no proceeding, no final article will record the discussion, and hence, the activity will have more focused research presentations to the targeted audiences with clear message, but may have a smaller reach than the participation to conference. Nonetheless, Symposia and Invited Talks will allow direct discussion of previously published content with a new audience.

6.2 Activity plan

The participation to invited talks is opportunistic and the precise presentation contents are not planned in advance. The consortium however can be more proactive and make use the links with all project partners as well as be more proactive in accepting or engaging with potential conferences or symposium to develop opportunities. The consortium envisages an invited talk plan described in Table 6-1 with each invited talk having a unique ID IT for invited Talk, in order to stimulate more ideas and seek feedback from stallholders on completing the tasks defined in the project .

Table 6-1: Suggested Invited talk plan

Invited Talk ID.	Suggested Topic	Event name	Suggested Deadline
IT1	MOSAR and Space Robotics Projects	European Robotics Forum	Planned in 03/2019
IT2	MOSAR a European Space Robotic Technology for Sustainable Space Access	International Conference on Robotics & Automation Engineering, October 23-24, 2019 | Rome, Italy	11/2019
IT3	MOSAR: A European Space Robotic Technology for Sustainable Space explorations and other Applications	Space Tech Expo Europe (Venue TBC)	3/2020
IT4	MOSAR Introduction	RAS in Hazardous Environments Workshop	10/2019
IT5	Any non confidential information.		11/2020
IT6	Any non confidential information.		02/2021
IT7-12	Future research and exploitation.		02/2024

The consortium's dissemination Champion has recently received an invitation for an invited talk from the Robotics-2019 Organizing Committee for the International Conference on Robotics and Automation Engineering scheduled to be held from October 23-24, 2019 in Rome, Italy. This opportunity was utilised and an invited talk was delivered.

6.3 Detailed status of achieved and on-going talks dissemination

A number of invited talks have been given and Table 6-2 lists the current status of delivered invited talks dissemination activities.

Table 6-2: Talks and Symposia Status

Invited Talk ID.	Presentation Title	Event Name	Owner/Lead	Status
IT1	MOSAR and Space Robotics Projects	Workshop on self-configuring modular robotics for earth and space on 15/07/2019 held in York, United Kingdom.	Pierre Letier	Presentation given.
IT2	MOSAR	International Conference on Robotics & Automation Engineering,	Xiu Yan /Pierre Letier	Delivered
IT3	MOSAR Introduction	RAS in Hazardous Environments Workshop	Xiu Yan	Delivered
IT4	From Outer Space to Subsea	Tech20 OGTC, 22/5/2020	Xiu Yan/Pierre Letier	Delivered

6.4 Additional dissemination activities:

6.4.1 Organisation of ESROCOS workshop

Dr. Miguel Munoz Arancon and his colleagues from partner GMV has engaged with additional dissemination activities. In the frame of the 15th symposium on Advanced Space Technologies in Robotics and Automation (ASTRA 2019), which took place on 27-28 May 2019 at Noordwijk (NL), GMV organized a workshop on the ESROCOS framework. This half-day workshop counted with the participation of ESA and several partners of the ESROCOS project, and introduced the ESROCOS framework to prospective users with a number of presentations and software demos. The organization of the workshop was part of the MOSAR activities, being the project in charge of the maintenance of the ESROCOS framework during the PERASPERA 2nd call activities.

Table 6-3: Additional Dissemination activity Status

Additional Activity ID	**Event Name**	**Event Venue**	**Owner/Lead**	Status
AA1	ESROCOS framework workshop, ASTRA 2019	Noordwijk (NL)	Dr. Miguel Arancon/GMV	Delivered

7 Article writing process

7.1 Scope and Purpose

In this section the steps involved in the submission of an article to a journal or conference are clearly defined. The aim is to ensure effective dissemination work, collaborative production of high quality publications, respect of intellectual properties, compliance with individual partner's publication requirements, and satisfaction of the project legal requirements. In particular the project partners have to ensure that all publications meet the "open access" requirement as publicly accessible documents.

7.2 Workflow

Figure 7-1 illustrates the proposed paper writing and publication process to facilitate effective dissemination.

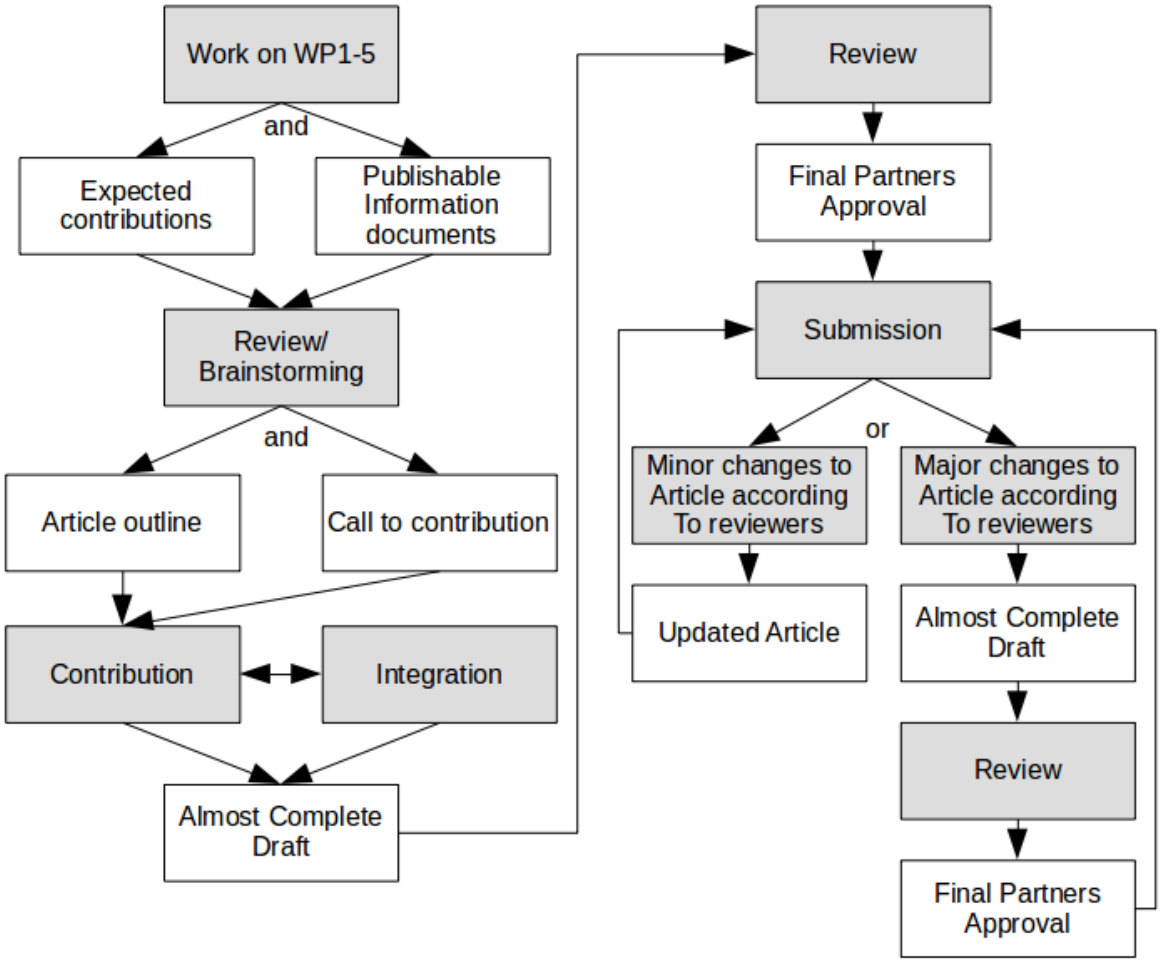

Figure 7-1: Article Writing Process Diagram. Grey boxes represent activities, white boxes represent outputs.

- As most of partners work on Work Package 1-5, the project partners will collectively produce the expected dissemination deliverables. To facilitate a collaborative and effective production of dissemination outputs, the MOSAR project will maintain a document directory, where all partners

will add the additional information they might consider to be worth sharing with an external public. The directory will also have project partners only space and therefore still be confidential, and partners are encouraged to put inside any partial or complete results or ideas for sharing among project partners.

- Strathclyde and any other willing partner will periodically review the contents of the directory, and the project deliverables, and evaluate and select suitable materials for publication. The partner formulating an initial article idea will be the article leader.
- The article leader will write down an initial outline, and define a contribution plan for all the sections. The article leader will contact the partners and evaluate the feasibility of the idea, make the necessary adjustment to the plan and possibly give the leadership position to some other partner.
- At this point, partners will contribute by writing into separate documents, and the article leader will also integrate all the contribution together. After several iterations, an almost complete draft should be produced.
- At least six weeks before submission, all partners concerned will be asked to review the almost complete draft and give a final confirmation and agreement to the publication. If a partner cannot give a final confirmation within six weeks, the project partners will evaluate the possibility of removing their contribution and submit the article or wait for an extended time if required for the confirmation.
- Once confirmations are received and the final article is ready, we will first pre-submit the article on the University of Strathclyde repository system for processing in order to guarantee the compliance of a green open-access status for the paper as required by the project agreement. Then paper will be submitted for evaluation.
- After a few months, we will eventually receive feedback from peer reviewers. They might reject the article, or approve it with some modifications. If the reviewers ask for minor modification, we will quickly make them, update the new article if necessary and deposit in the Strathclyde repository system the authors' accepted manuscript (AAM/post-print) version , and submit the article back for final publication.
- If the reviewers ask for major modification, we will discuss the modification and make them if there are no objections. If changes are substantial and require a second evaluation of publication suitability by the contributing partners, we will inform the editor that we will need at least 6 weeks to make the changes (same 6 as above). All partners will be asked to review the new almost complete draft, and if partners cannot give a final confirmation, we will ask the publisher to accept the previous version. The publisher might refuse. When a new final draft is ready and accepted, Strathclyde partner will update its new version in the Strathclyde repository and the revised version will be submitted for the final publication.

Table 7-1 contains a suggested timeline for the completion of articles. As we are aware that different partners have different time constraints for approving publication work, the variables X and Y has been added to the timeline.

- Table 7-2 lists the minimum values of X and Y for each participating partner.

Table 7-1: Suggested timelines for writing the articles

Article State	Conferences: Number of weeks before target deadline	Journals: Number of weeks before target deadline
Initial Outline	6+X	8+Y
Roughly Filled Sections	4+X	6+Y
Almost Complete Draft	2+X	4+Y
Final Version	1	2

Table 7-2: Values of partners time constraints

Variable	SpaceApps	GMV	DLR	SITAEL	ThalesUK	ThalesFr	UStrath	Elli
X	0	0	0	2	3	3	0	0
Y	0	0	0	0	1	1	0	0

8 Online Communication Channels

8.1 Website

The MOSAR website is the backbone of online communication. It provides the general public and expert stakeholder groups with an overview of the project and its progress.

In the first phase of the project, the website was established and adapted to consistently meet partner needs and expectations. In the next phase of the project, population of the website will be more active with more news stories, video content and a cross-promotional social media campaign.

Media	Target	Scope
News stories	1x per month	Until end-project
Captioned image	2x per month	Until end-project
Video	2 issues	One current, one at finalisation of project
Documentation	As required	Until end-project
Live content	To be explored	TBC

Additionally, a compliant analytics solution will be integrated into the website to measure the impact (in broad terms) across the final stage of the project.

8.2 Twitter

Currently the MOSAR twitter page is established and updated as often as content has been provided to the website.

https://twitter.com/H2020Mosar

There is a need to drive strategically more engagement (bi-weekly) with either website content, or future. As social media is content driven, the project had to reach a certain maturity to ensure that the account is attractive enough to encourage a following.

The current top-reach of the twitter account is 250 accounts. This can be increased. A more effective measure of true engagement involves tracking interactions: retweets, replies which require a human interaction with an account. This is a very difficult metric to drive, but provides a more satisfactory insight into the types of persons who find the content engaging.

Below is an action plan for the MOSAR twitter account:

Action	Timeframe
Follow-campaign	July 2020 – September 2020
Increase content (min 2x monthly)	July 2020 – End Project
Identify industry influencers, retweet content, capture more audience	Until end-project

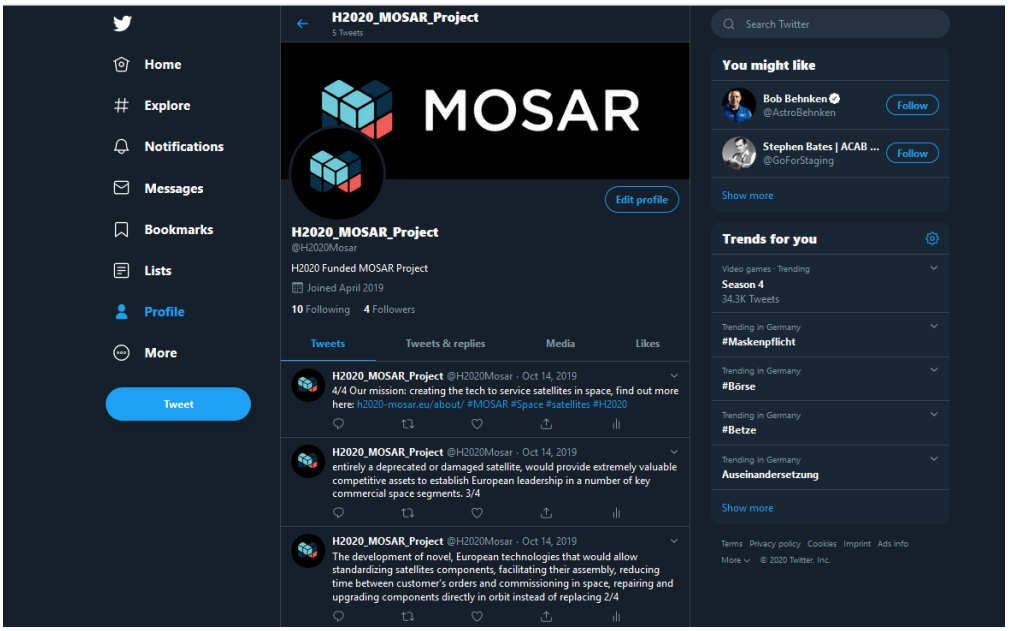

Figure 8-1: MOSAR twitter page (dark theme)

8.3 Video

The scope of the project communication plan includes a detailed, professional quality video to explain project outcomes.

In the interim, a short, less amateur visualisation video has been produced by the consortium. It animates the project. Its impact will be reported from July 2020.

A final video, professional quality, is foreseen for the end of the project. A dedicated YouTube account was established for the project as part of the original online set up.

8.4 Other online Channels

Other online channels are also under consideration to be implemented as content is produced that will fill them. Two channels under consideration for implementation are LinkedIn and Facebook.

Other channels, like Instagram, were not considered as output channels for the following reasons:

- It requires the production at high frequency of relevant pictures to stimulate adequate audience. Due to the nature of the activity, and along the main part of the project, the number of pictures are limited.
- No specific budget was allocated for the creation artist's images, with a coherent look and feel, that are more in line with such audience channel
- It is lacking repost feature that allows the project to define itself by association as well, which is why (for now) Twitter was considered to be a more effective platform.
- The related effort compared to the expected result was leading to the conclusion to not consider this channel or equivalent.

8.5 Impact of COVID-19 on digital communications

COVID-19 has impacted all areas of life for humanity. Communications standards and expectations have changed in the face of social distancing and shelter in place directives.

Important to recognize, will be the impact that these new ways of working have dramatically impacted the attention economy. With every company, project, and person forced to now move into digital spheres, the competition for general public attention and stakeholder engagement is fierce.

There is now an open market on digital communication – more than ever before webinar, video conference interview and other improvised measures are being implemented even at the most professional levels.

The MOSAR project consortium will seek to leverage these new ways of working for their benefit. The Consortium will try to find solutions to limit the COVID-19 impact, and in the best conditions, benefit of these new approaches.

Internally to the Consortium, this includes the increased use of online communication tools and cloud-based solutions, optimization of the partners interactions (considering the reduction of travels needs and related efforts/time), reduction of CO2 emissions, thinking about online remote integration activities (with the possibility to increase the effective time associated with these tasks).

Externally, these can be achieved by participation to on-line / video based conferences (e.g. IAC that will also be publicly available), review our approach to communication channel (and put more effort on them), screen for new communication sources that would emerge from the current conditions.

9 Conclusion

This document has laid out an initial plan for dissemination and communication activities of the MOSAR project. It is aimed to seek all partners' support to complete this challenging task by defining detailed planned activities and potential areas for publication. All project partners are reminded that only through collaborative team effort the set publication targets will be achieved. All project partners should also help to collect details of the research work so publishable materials can be compiled for rapid publication.

The document also provides an update of the progress made in dissemination and communication by summarising the initial achievement of publication of 1 journal paper and 7 published or accepted conference papers for the project and one more paper on a previous project for information.

The initial deliverables described the objective of the dissemination, communications and outreach activity that have been carried out during the first 15 months of the MOSAR project. These deliverables also presented the scientific dissemination plans for conferences, journals and other opportunities to give talks about MOSAR, as well as the description of the workflow for article review and submission. An update of the specific achievements on these plans have also been provided.