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D7.4 Interim Dissemination and

Communication report including

dissemination material

WP7 – Dissemination of project results

WP LEADER	RINA-C
DELIVERABLE RESPONSIBLE	FHA
DELIVERABLE AUTHOR(S)	Marisa Martinez (FHA)
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INTRODUCTION

The following document represents D7.4 – Interim Dissemination and Communication Report including dissemination materials. Task 7.1 - "Communication and Dissemination activities coordination, which is part of Work Package 7 - Dissemination of project results".

The aim of this report is to:

- Give an overview of the communication and dissemination (C&D) strategy followed during this period.
- Share the current figures regarding the KPIs established to keep track of the effectiveness of the communication and dissemination strategy.
- Present the activities performed during the first 16 months of the project.

The report follows the previous one from WP7: D7.2 – Website and Initial Dissemination and Communication Plan, including:

- The project logo;
- The templates for project documents (deliverables, agendas, presentations);
- The initial press release;
- A communication flyer;
- An official presentation of the project concept.
- 360° Strategy





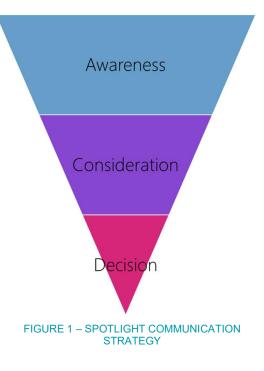
STRATEGY

1.1 Methodology

The aim of the SPOTLIGHT communication and dissemination strategy is the creation of valuable content for general public and, more specifically, stakeholders in order to firstly engage them and, then, keep them engaged.

SPOTLIGHT communication strategy is divided into 3 phases:

- Awareness (M1-M12): the objective is to attract potential stakeholders mainly through communication activities (promotion of project press release and news items on partners' communication channels, participation and organization of webinars,...)
- Consideration (M12-M24): the current stage at M16, the objective is to produce valuable dissemination contents that can be interesting and useful for the stakeholders in order to convince them to finally become part of the SPOTLIGHT community (scientific/technical



magazines and oral/poster presentations at conferences, seminars, workshops, etc.).

 Decision (M24-M42): the objective is to retain stakeholders through valuable contents, such as a digital project publication with all collected results and organization of final event

1.2 Digital communication

We follow a 360-degree communication strategy, where digital communication is the key to reach our community with the minimum cost. Basically, it is a combination of the best SEO practices and the best content for successful marketing. KPO (Knowledge Process Outsourcing) plays a significant role in it because it includes information research, analytical, technical skills, interpretations, as well as some judgmental decision making.

Moreover, providing 360-degree communication in the market means expanding the network of the Spotlight audience and establishing effective communication with them. Basically, through the marketing materials, web, digital news and social networks. 360-degree communication in marketing increases the chances of communication.





The term 360-degree communication stands for **integrated measures in which specially prepared content is played at all touchpoints**.

The campaign spans the entire target journey. Increasingly in the project, we focus on global communication.



FIGURE 2 – 360° COMMUNICATION STRATEGY

WEBSITE

Communication is considered the foundational element of a good website. If our website's design communicates effectively with the visitors, we grow our chances of getting noticed among the group of interest and target of the project.

Our website <u>https://spotlight-project.eu/</u> was launched at the beginning of 2021. Aragon Hydrogen Foundation led the creation of the website, as well as its design and architecture. Thanks to the collaboration of all the partners and their visual contribution, the website has a very careful, innovative and surprising aesthetic that represents the project very well.







FIGURE 3. WEBSITE HOME

The website is part of a strategy to promote SPOTLIGHT brand and in accordance with the Commission's guidelines on visual identity.

The architecture of the website has been built based on the following sections:

- ✓ **HOME and THE PROJECT** refer to the description of the project and its main objectives.
- ✓ **PARTNERS:** is the special section dedicated to the team that makes the project possible.
- PHOTONICS 21: dedicated to the funding entity to give the relevance it deserves to its role.
- ✓ NEWS: the most lively and updated section where we update the web visitors about the evolution of the project, publications, actions, seminars and events in which we participate.
- ✓ DOWNLOADS: a section accessible to everyone where visitors can download documentation of interest.

Of course, any user has the option to contact us, either through the contact form **on the website or social networks.** In addition to having a prominent space on the website **for subscribing to our newsletter.**





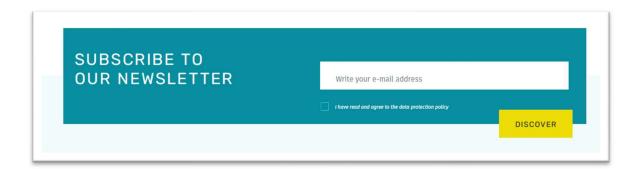


FIGURE 4. SUBSCRIBE TO NEWSLETTER CALL TO ACTION

With regard to content management, we recall the salient points already outlined in the D7.2 – Website and Initial Dissemination and Communication Plan

Headlines, subtitles and keywords: SEO copywriting means creating useful, compelling and valuable content that targets specific keywords, so that project stakeholders will gladly promote it on social media platforms. Headlines and subtitles play a key role, so SPOTLIGHT headlines and subtitles attract people's attention and are written in a way to encourage them to click and read further. Headlines chosen for SPOTLIGHT websites are: "Converting feedstocks into clean alternative fuels", "Facing the challenges", "Why SPOTLIGHT?", "Our objectives, our results"

Creation of contents that can meet the informational needs of SPOTLIGHT target. This process involves finding high performing content in the specific niche of stakeholders and creating something valuable for the Consortium and for European Commission, rather than just promoting the project from the Project Consortium point of view. Only by understanding the informational needs, the preferred content formats, and the most used channels by our target audiences it is possible to create valuable content for SPOTLIGHT stakeholders.

Backlink building: The SPOTLIGHT Project Consortium will publish contents about the project on their own communication channels, including also the link to the SPOTLIGHT website. In this way, more traffic is driven to the project website and a higher ranking of the main search engines is ensured. In fact, Google focuses on the authority of the website linking to your domain and measures authority by the number of links pointing to a specific page and how trustworthy those links are. If high quality websites (such as the project partners' website) link to the SPOTLIGHT website, it automatically gains better authority and, consequently, views.

For upcoming publications we will use infographics and videos: images are easier to remember and help to convey complex concepts in easy-to-understand ways. For this reason, a series of infographics will be created for SPOTLIGHT using the same color palette of the project logo in order to be consistent with the project brand identity.

To measure the success and development of our website we use the **Google Analytics tool**. Google Analytics is a web analytics service that provides statistics and basic analytical tools for search engine optimization (SEO) and marketing purposes.

Important metrics

A metric is a standard of quantitative measurement. Google Analytics enables users to track up to 200 different metrics to measure how their websites are performing. While some metrics may





be more valuable to certain businesses than others, these are some of the most popular metrics:

- Users. A user is a unique or new visitor to the website.
- **Bounce rate.** The percentage of visitors who viewed only a single page. These visitors only triggered a single request to the Google Analytics server.
- **Sessions.** The group of visitor interactions that happen in a 30-minute window of activity.
- Average session duration. How long on average each visitor stays on the site.
- **Percentage of new sessions.** The percentage of website visits that are first-time visits.
- Pages per session. The average number of page views per session.
- **Goal completions.** The number of times visitors complete a specified, desirable action. This is also known as a conversion.
- Page views. Total number of pages viewed.

NEWS POSTED	17 post
SESSIONS	1397
USERS	961
AVERAGE SESSION DURATION	43 secs
PAGE VIEWS	2683

TABLE 1 KPI'S TRAFFIC WEBSITE





Cour	ntry 👻 🕂	↓Users	New users	Engaged sessions	Engagement rate	Engaged sessions per user	Average engagemen time
	Totals	961 100% of total	927 100% of total	576 100% of total	40.74% Avg 0%	0.60 Avg 0%	1m 03 Avg 09
1	United States	113	112	54	39.13%	0.48	0m 52
2	Netherlands	101	100	68	39.77%	0.67	0m 57
3	Italy	87	85	80	49.69%	0.92	1m 40:
1	Spain	72	71	61	38.13%	0.85	1m 43:
5	China	69	37	10	13.89%	0.14	0m 11:
ō	Germany	51	50	38	50%	0.75	1m 15
7	United Kingdom	51	51	17	29.31%	0.33	0m 19
3	Switzerland	50	50	39	45.35%	0.78	0m 57
,	Belgium	44	41	27	40.91%	0.61	1m 39
10	Finland	43	43	14	31.82%	0.33	0m 18

FIGURE 5. DEMOGRAPHIC STATISTICS WEBSITE, ORGANISED BY COUNTRIES

1.3 Partners website

Starting the dissemination of a project from scratch is complex, so we rely on the partners' dissemination channels to raise awareness of the project and encourage users to visit the website. This is why the partners have included calls to action to the project's website in their websites with high traffic of visits.



FIGURE 6. RINA'S WEBSITE





SPOTLIG	chemical pro	choice devices for highly efficient, surright fulfic	
of Dential Tale	TEBRUARY	2021 - JANUARY 202A	
Inserticity study of the process on File for	6 DML Database process, with the DML barrenses of DML as a surring face methanol DMDML. But they over in historicular, and shared the opp promps and starting manual to they a transport? The reports, produce a transport? The reports, produce the face starting to all house produced inseted to unities to their Mercene, Nacles ex extremely.	The state of the s	E de plantente The spans Science of VEE generaties of announced and matter al welfaut matter because
		NAME	
O gen 4		(United ETH 20	irich

FIGURE 7. FHA'S WEBSITE

SOCIAL NETWORKS

A Twitter and LinkedIn account was created to maximize project diffusion and communication activities through the most relevant twitter channels related to Solar Fuels production.

Both are used, all along the project life, to disseminate SPOTLIGHT results to enhance the visibility of Sunlight-fueled production of chemical fuels to the largest audience possible. For Twitter and LinkedIn own pages and partners social networks we have created several creative pieces to be published.

	POST	FOLLOWERS	REACH
TWITTER	7	7	684
LINKEDIN	9	47	3410

TABLE 2. ABOUT THE SOCIAL NEWORKS PERFORMANCE

LinkedIn offers us better results, as well as allows us to better analyse the origin of our potential leads, as well as their positioning in the sector. We will reinforce the frequency of publications, in order to guarantee a monthly publication. And we will try to reinforce our Twitter strategy, where it seems to be getting off to a good start.

We highlight a series of videos prepared for dissemination on social channels, where the leaders of the work packages present the project and encourage users to subscribe.





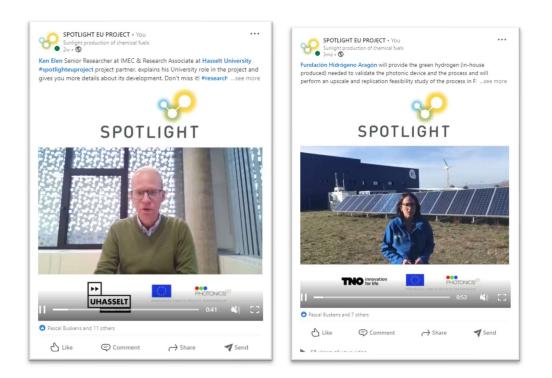


FIGURE 8. VIDEO FOR SOCIAL NETWORKS

Finally, to organise the publications, we have prepared an editorial calendar where each month a partner is in charge of creating content for the digital channels. It is a good way for everyone to work together on the digital image and to share the results of each work package as well as industry news that may be relevant to the project.

JANUARY22	FEBRUARY22	MAR	СН22	APRIL 22		may-22
		►► UH/	ASSELT	ເຫາຍດ	ETH	zürich
2022						
JUNE22	JULY22	AUGUST22	SEPTEMBER22	October22	November22	December22
🖉 Fraunhofer	CHEMTRIX	(signify	EPFL	acea		TNO innovation for life

FIGURE 9. EXAMPLE OF EDITORIAL CALENDAR TO FOLLOW





5. NEWSLETTER

A newsletter is a tool used to communicate regularly with the project's subscribers, delivering the information you want in your email boxes, these messages can contain simple text or a structure composed of images and formatted text. In this project we sent the first one in November when we have 15 subscribers. Currently we have reach the number of 46 subscribers.

For the creation of the newsletter we use Mailchimp platform. Mailchimp is an all-in-one marketing platform that **helps to manage and talk to your clients, customers, and other interested parties**. Its approach to marketing focuses on healthy contact management practices, beautifully designed campaigns, and powerful data analysis.

	Completed Campaign • Nov 30	
National Are find that and down of the WHITE (AT) project, a new UNDA project that will Anning Second to phone it down is for highly difficure, and give hold of the dod processor	15 Recipients	
NEWS ABOUT THE PROJECT	Open Rate 33.3%	Total Clicks 0
	Clicks Per Unique Open 0.0%	Orders 0
	Successful Deliveries 15	Average Order Revenue 0,00 \$US
	Total Opens 17	Total Revenue 0,00 \$US

FIGURE 10. FIRST NEWSLETTER SENT

The first newsletter serves as a structure for subsequent newsletters and shows the following content blocks: news about the project, news about the sector and upcoming events. The first newsletter achieved an open rate of 33,3%.



6 DISSEMINATION CLIPPING

The initial plan for communication of project objectives, advancements and results has been drafted considering the above-described methodology and the profiles of target audience. To keep track we have a collaborative Excel that serves as a clipping system, each partner updates the following tables that register our publications as well as our participation in certain events.

DIGITAL ACTIVITIES

Type of activity	v Period	Link	Partner contribution	Countries addressed Target		Responsible partner	Status	Estimation of the target reached	¥
website	01/04/2020	Website: Shining a SPOTLIGHT on TNO's Expertise TNO	TNO	general pu	ublic	TNO	Performed		
website	01/04/2020	Partner website	FHA	general pu	ublic	FHA	Performed		
social media	01/04/2020	LinkedIN: (2) Post Feed LinkedIn	TNO	general pu	ublic	TNO	Performed		
social media	01/04/2020	https://twitter.com/TNO_Research/status/1385259131 037265921	TNO	general pu	ublic	TNO	Performed		
social media	01/04/2020	LinkedIN: (2) Post Feed LinkedIn	RINA	general pu		RINA	Performed		
website	may 21	www.envipark.com	Environment Park SpA	general pu		Environment Park SpA	Planned		1500
social media	may 21	https://www.facebook.com/EnvironmentPark/	Environment Park SpA	general pu		Environment Park SpA	Planned		2875
social media	may 21	https://www.linkedin.com/company/1257185/admin/	Environment Park SpA	general pu		Environment Park SpA	Planned		2660
social media	may 21	https://twitter.com/EnvironmentPark/status	Environment Park SpA	general pu		Environment Park SpA	Planned		515
website	May 21	https://www.rina.org/en/media/CaseStudies	RINA	general pu		RINA	Performed		
website	01/04/2021	Shining a SPOTLIGHT on TNO's Expertise TNO	TNO	general pu		TNO	Performed		
website social media	01/04/2021 01/04/2021	spotlight_press_release.pdf (tno.nl)	TNO	general pu		TNO TNO	Performed Performed		>80000
website		TNO on LinkedIn: Shining a SPOTLIGHT on TNO's Expertis https://ambiente.aceapinerolese.it/progetti-di-ricerca/		general pu all	JIIC	ACEA	Performed		>80000
Acea Pinerolese wel	01/04/2021	http://ambiente.aceapinerolese.it/progetti-di-ricerca/		all		ACEA	Performed		
press review	14/12/2020	/2020-12-14/2020121445817341.pdf	ACEA	all		ACEA	Performed		
Acea Pinerolese wel		http://www.ow48.rassegnestampa.it/picoweb/pdf/2020		all		ALEA	Performed		
press review	14/12/2020	/2020-12-14/2020121445805595.pdf	ACEA	all		ACEA	Performed		
Acea Pinerolese wel		http://www.ow48.rassegnestampa.it/picoweb/pdf/2020		an		ACLA	renomed		
press review	- 14/12/2020	/2020-12-14/2020121445751583.pdf	ACEA	all		ACEA	Performed		
social media	25/06/2021		ACEA	all		ACEA	Planned		
social media	25/07/2021		ACEA	all		ACEA	Planned		
website	30/05/2021	enables-solar-fuel-production	Chemtrix	all		Chemtrix	Performed		
other	01/06/2021	https://www.chemtrix.com/downloads?category=5	Chemtrix	all		Chemtrix	Performed		
social media	01/01/2022	https://www.chemini.com/downloads/category=5		general pu	ublic	TNO	Performed		
	01/01/2022	https://www.photonicszitorg/2022/new-technique-to-	<u></u>	general pu	aone		renormeu		
social media	23/02/2022	https://www.azooptics.com/article.aspx?ArticleID=2158	3 TNO	general pu	ublic	TNO	Performed		

FIGURE 11. DIGITAL ACTIONS REGISTRATION



PUBLICATIONS

Type of scientific	scientific	Responsibl e partner	Target	DOI	ISSN or eSSN	Authors	Title of the journal or equivalent	Publisher	Year of publication	Public & Private publication	Peer reviewed	Open Access	Status
	Using Fiber Bragg Grating Sensors to Quantify Temperature Non-Uniformities in Plasmonic Catalyst Beds under Illumination		scientific community	https://doi.org/10.1		Man Xu, Tim den Hartog, Lun Cheng, Marciano Wolfs, Roberto Habets, Jelle Rohlfs, Jonathan van den Ham, Nicole Meulendijks, Francesc Sastre, Pascal Buckons		Wiley	2022	Public	Yes	ves gold OA	Performed
	Comparing the catalytic performance in the sunlight-powered Sabatier reaction of Ru/Al ₂ O ₃ and Ru/SiO ₂ prepared by thermal decomposition and chemical reduction		scientific community	Under review		Daria Burova, Jelle Rohits, Francesc Sastre, Pau Martínez Molina, Nicole Meulendiiks, Marcel A.	Catalysts	MDPI				yes gold OA	



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EVENTS

					Partner Contribution				
Type of event	Event Title	Link	Date	Place	(project presentation,	Countries addressed	Target	Responsible partner	Status
	<u>•</u>	·	•	·	brochure, stand)				
		https://www.ecomondo							
participation to a workshop	Ecomondo Fair	.com/	26-29 october 2021	italy	poster	Italy	scientific community	Environment Park Spa	performed
		https://ec.europa.eu/inf							
		o/events/eu-sustainable-							
		energy-week/eu-							
		sustainable-energy-week			Booth/direct				
exhibition	EUSEW	eusew-2021-oct-25_en	25-29 October 2021	Virtual	participation	EU	industry	RINA	performed
		https://www.enlit-	30 November - 2 December		Booth/direct				
exhibition	EU Utility Week	europe.com/euw	2021	Milano, Italy	participation	EU	industry	RINA	performed
					Booth/direct				
exhibition	WSED22				participation	EU	scientific community	RINA	performed
	International Solar Fule				Project presentation				
exhibition	Conference				(abstract)	EU	scientific community		performed
					webinar: "The new fuels				
					and fuels for				
					decarbonisation:				
		https://www.ecomondo			incentives and				
		.com/ecomondo/digital-			opportunities in the				
organisation of a workshop	Ecomondo Digital Week		09/06/2021	Italy	directive RED II"	EU	industry	RINA	performed
		https://www.genovasm							
exhibition	genova Smart Week	artweek.it/	01/11/2021	Italy	Poster	Italy	general public	RINA	performed
brokerage event	Hydrogen Europe		Variuìous dates	EU	Project presentation	EU	scientific community	RINA	performed
		https://solarmedia.co.uk							
pitch event	SolarMedia	/events/	TBD	UK	Project presentation	EU	scientific community	RINA	Planned
		https://www.keyenergy.							
exhibition	KeyEnergy	it/	26-29 october 2021	italy	poster	EU	industry	RINA	Performed
exhibition	ACHEMA 2022	https://www.achema.de,	4th to 8th April 2022	Germany	Presentation	EU / Asia / India / North	/ industry	Chemtrix	Planned
		2021 MRS Fall Meeting &							
exhibition	MRS Fall 2021	Exhibit Boston	Nov 28- Dec3, 2021	USA	presentation	EU/USA	scientific community	TNO	Planned
exhibition	Chemspec Europe <u>www.chemspeceurope.cc</u>			Virtual		Presentation & Exhibition EU / Asia / India / North / industry		Chemtrix	Planned
exhibition	Chemspec Europe	www.chemspeceurope.c	,	Germany		n EU / Asia / India / North	,	Chemtrix	Planned
participation to a conference	NAM27	NAM27 – The 27th North	•	USA	presentation	EU/USA	scientific community	TNO	Planned
participation to a conference	ASME Energy Sustainabilit <u>https://event.asme.org/E</u>		· · ·	TBD	Presentation(abstract) EU / Asia / India / North			EPFL	Planned
participation to a conference	Optical Devices and Mate https://www.optica.org/			Hybrid	Presentation(abstract) EU / Asia / India / North			EPFL	Planned
organisation of a conference		n <u>https://www.chemistryvi</u>		La Rochelle, France		EU	scientific community	RINA	Planned
organisation of a workshop	ENLIT workshop	https://www.enlit-europ		Frankfurt, Germany	Presentation & Exhibition		industry	RINA	Planned
	ACHEMA	https://www.achema.de	<u>01/08/2022</u>	Frankfurt, Germany	Presentation	EU	industry	Chemtrix	Planned





PHOTONICS PUBLIC PRIVATE PARTNERSHIP

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7 OTHER MARKETING MATERIALS; BROCHURE

The project brochure describes the overall approach of the project, it's innovation and impact to the community. On the first page you can find the solar panels as a conceptual image. On the second page, we introduce the project by its expected results. On the third page we opted to show all consortium partners. Finally, we showcase how this project benefits for the EU Community and finally the PHOTONICS 21 acknowledgement is shown.



FIGURE 2 - PROJECT BROCHURE



8 CONCLUSIONS

DIGITAL DISSEMINATION

We will continue with the programming of the editorial calendar to keep feeding our digital channels with information from the project. The following partners will be responsible for content creation in the second half of the year.

JULY22	AUGUST22	SEPTEMBER22	October22	November22	December22
	(s)ignify	EPFL	acea		TNO Innovation for life

FIGURE 13 -EDITORIAL CALENDAR

UPCOMING WORKSHOP

Our first workshop will be Enlit. Enlit it is a series of energy events unlike any other – because they are more than just energy events. Enlit is a community that for 365-days a year will collaborate and innovate to solve the most pressing energy-related issues.

At the European edition, the Enlit community will come together for three days in Frankfurt from 29 November through to 1 December 2022, to meet and inspire each other and to develop their discussions and actions to take steps forward in the energy transition.

FINAL DISSEMINATION AND COMMUNICATION PLAN

All activities performed from now on will be included in the final deliverable D7.5 Final Dissemination and Communication report, due on M36.

