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	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

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ENERGY HARVESTING IN CITIES WITH TRANSPARENT AND HIGHLY EFFICIENT WINDOW-INTEGRATED MULTI-JUNCTION SOLAR CELLS

CITYSOLAR

(No 101007084)

D7.4 – Intermediary Report on Communication and Dissemination Activities

WP7 – Communication activities and dissemination and exploitation of results (CNR)

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

REVISION HISTORY

Rev.	Date	Changes

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	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

Table of Content

EXECUTIVE SUMMARY	3
Acronym and Abbreviations	4
1. INTRODUCTION.....	5
1.1. Overview	5
2. REPORTING OF COMMUNICATION AND DISSEMINATION ACTIVITIES.....	6
2.1. Website.....	6
2.2. Social Media.....	6
2.3. Newsletter	9
2.4. Promotional Materials.....	10
3. EVENTS, MEETINGS AND WORKSHOPS	13
3.1. CITYSOLAR “Workshop on Transparent Photovoltaics: status and perspectives”.....	14
4. NEWS AND PUBLICATIONS.....	16
4.1. Newspapers, radio and Tv.....	16
4.2. Scientific publications	17
5. COMMUNICATION AND DISSEMINATION ASSESSMENT AFTER THE FIRST 18 MONTHS AND COMPARISON WITH CDEP (D7.1)	19
6. CONCLUSIONS.....	22



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

Executive Summary


The main purpose of Deliverable D7.4 is to present the achievements of CITYSOLAR's Communication and Dissemination activities after the first 18 months of the project (December 2020 to May 2022) as stated in WP7 of the Grant Agreement.

The overall objective of CITYSOLAR's WP7 ("Communication activities and dissemination and exploitation of results) is to ensure that the project results are disseminated widely among their target groups and are effectively exploited. More specifically, the objectives are:

- To develop communication strategies and establish a communication, dissemination and exploitation plan to facilitate wide-spread information transfer amongst and beyond the members of the Consortium (and beyond the life of the project itself) (Task.7.1)
- To raise awareness and inform about the project and the CITYSOLAR technologies by targeted communication activities (Task 7.2)
- To ensure that the project results reach stakeholders and are exploited appropriately to reach the expected impacts of the project (Task 7.3)
- To maximise the impact by monitoring the impact of the communication, dissemination and exploitation activities and optimising their effectiveness (Task 7.4)

This document summarises the dissemination and communication activities carried out by CITYSOLAR partners during the first half of the project life. It includes the activities carried through its official website and its social media (LinkedIn, Twitter and Facebook), the events targeted by the Consortium for dissemination purposes, the news related to the project that have been published on traditional media and the list of publications released so far.




	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

Acronym and Abbreviations

Acronym	Description
CNR	National Research Council of Italy
FAU	Friedrich-Alexander-Universitaet Erlangen_Nuernberg
SDU	Syddansk Universitet
UNITOV	Università degli studi di Roma Tor Vergata
CNRS	Centre National de la Recherche Scientifique
GA	General Assembly
TPV	Transparent Photovoltaics
BIPV	Building INtegrated Photovoltaics
HOPV	Hybrid and Organic Photovoltaics
CDEP	Communication, Dissemination and Exploitation Plan
TRL	Technology Readiness Level
EAB	External Advisory Board
OpenAIRE	Open Access Infrastructure for Research in Europe
IPR	Intellectual Property Rights
ER	Exploitable Results
WP	Work Package
KPI	Key Performance Indicators

Table 1 – Acronyms



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

1. INTRODUCTION

CITYSOLAR is a research and innovation project in which Transparent Photovoltaics (TPV) plays a fundamental role for a pervasive application of solar energy. CITYSOLAR project proposes a new breakthrough concept for the TPV development by exploiting the combined use of emerging technologies based on a multi-junction combination of a near-ultraviolet absorbing cell and a near-infrared absorbing cell together with advanced concepts of light management such as photonic crystals, nanophotonics and photon recycling and an advanced integration scheme among modules.

Dissemination and communication activities are a key part of any EU-funded project and they should be the product of a shared effort carried out by all partners. Along with communicating the project objectives and results, they also contribute to a stronger visibility of the EU activities and bring science and technological development closer to a wide range public.

The current deliverable provides a detailed account of the work realized by the CITYSOLAR Consortium in this domain and describes the activities carried out for the purposes of Communication and Dissemination of the project results. All this allows a progress evaluation of the communication, dissemination and networking activities and is a basis for adjustments of the overall strategy which will be performed in the next months.

1.1. Overview


As stated in the Communication, Dissemination & Exploitation Plan (CDEP – D7.1), CITYSOLAR communicates the actions and disseminates the Project activities through a set of measures distinguished in two types of communication activities: Media-based activities and Face-to-Face activities.

The main goal of the first 18 months was to make the project known from the very beginning through the combination of the above-mentioned activities, in order to reach as many relevant stakeholders and the widest public possible. The different communication channels and dissemination tools identified in the CDEP were used in order to promote the main news, activities and results of the project. The collaboration among all partners allowed the Project to maintain a good level of communication intensity despite the ongoing COVID-19 emergency, which caused to reorganize and postpone some events that were planned to be experienced in presence.

The purpose of the current deliverable can be divided in two parts:

1. Report the CITYSOLAR project's dissemination and communication activities held from month 1 to month 18 (December 2020 – May 2022) and
2. Lay out the plan for CITYSOLAR's second half of the project life defining more efficient tools for communication, dissemination and exploitation activities, ensuring the fulfilment of targets and supporting the successful conclusion of the project.



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

2. REPORTING OF COMMUNICATION AND DISSEMINATION ACTIVITIES

This section describes all the actions implemented by the CITYSOLAR project in relation to the Communication and Dissemination Plan (D7.1) and the setting-up of channels and promotion tools during the first 18 month of the project life.

2.1. Website

CITYSOLAR website, together with social media channels, represents the main gateway to the outside world and the main focal point for the Communication and Dissemination activities. It was created at M1 of the project life and since then it has been constantly updated with news, events, publications and new topics. With the help of analytical tools in the next months we will track the progress of the web page with the aim to better target the future communication efforts. In this way we can have an overview on the visits of the website, the countries of the visitors and the acquisition overview (the summary of the user acquisition channels, divided into direct views, from search engines, from social networks, etc.).

The website can be found through the link: <https://www.citysolar-h2020.eu/>

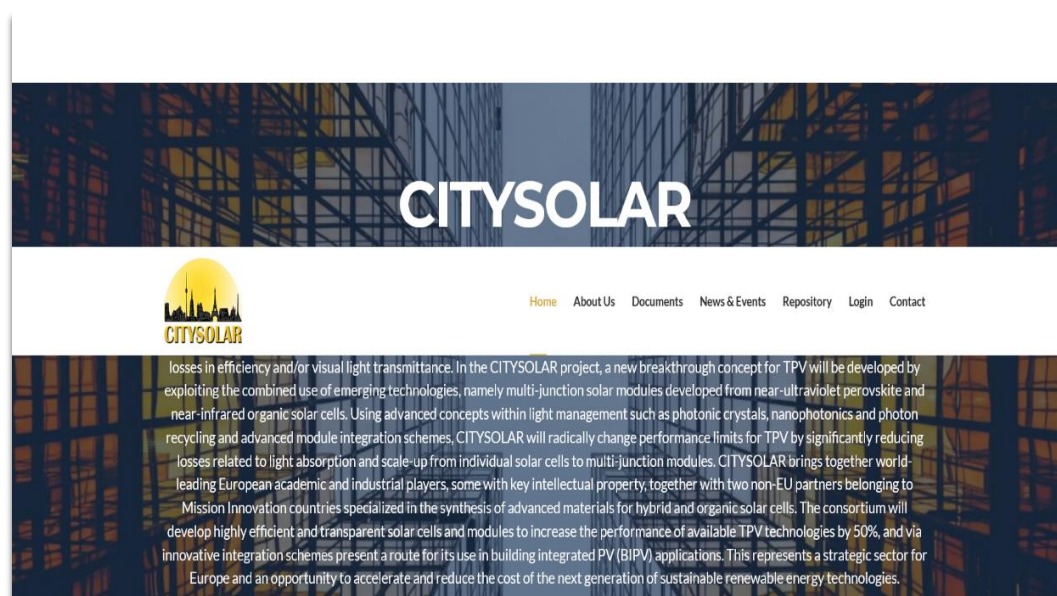


Figure 1 CITYSOLAR's website homepage


2.2. Social Media

Social Media play a fundamental role in promoting the activities and the objectives of CITYSOLAR project and deliver the message to a wider audience. The project is using social media with the main goal to disseminate news and results on one side, and to create a community of followers to interact with on the other. CITYSOLAR has setup social media accounts in Twitter, LinkedIn and Facebook.

TWITTER (<https://www.linkedin.com/company/citysolar-eu>)

CITYSOLAR's Twitter account (https://twitter.com/citysolar_h2020) was created on September 2021. Since then it has gained 72 followers and is constantly growing in numbers. We use hashtags and follow



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

accounts (105 at the moment) to have more reach and visibility. Relevant hashtags are used to join the conversation and maximise the goals.

In the last 3 months (February-May 2022) CITYSOLAR tweets have earned more than 2.000 impressions (about 23 impressions each day) with an engagement rate of 2,2%. Considering that in the previous 3 months (November 2021- January 2022) the total impressions were 675 and the engagement rate was 1.1%, it is evident the exponential growth of the profile numbers of CITYSOLAR's Twitter.

The main objective is to continue in this exponential growth of the account in order to reach a greater number of followers.

The figure below shows the current homepage of CITYSOLAR Twitter account.

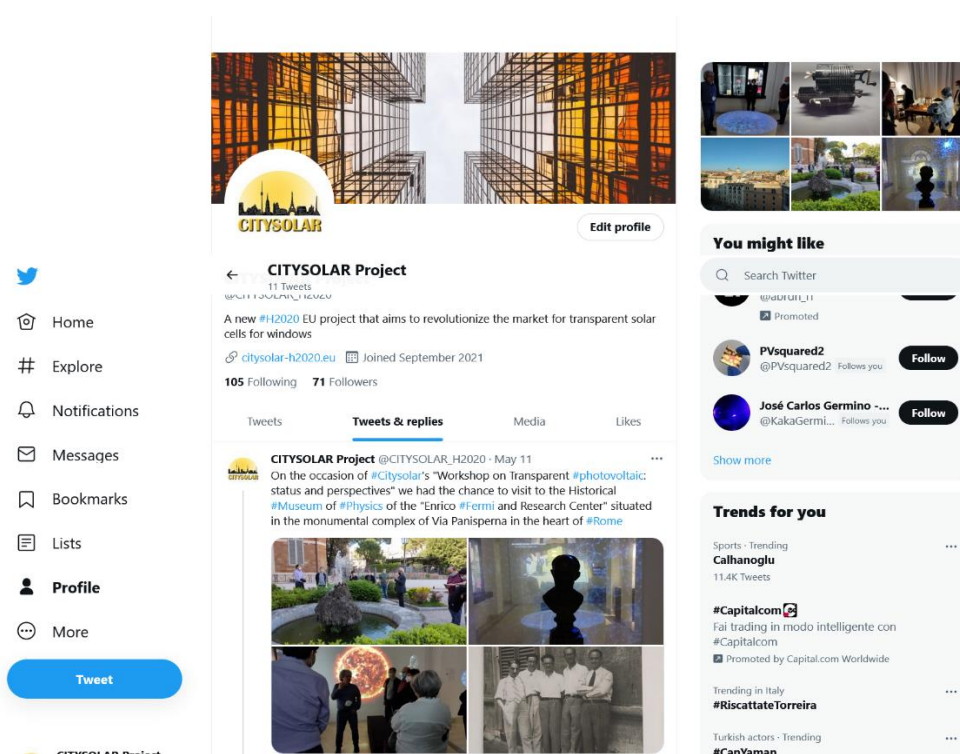


Figure 2 CITYSOLAR Twitter account homepage


LINKEDIN (<https://www.linkedin.com/company/citysolar-eu>)

CITYSOLAR LinkedIn profile is mostly used to share the latest progress of the project, echoing key promotional messages from the website and the other social media, sharing relevant news from the project's partners and reporting meetings and events in which CITYSOLAR partners are involved.

CITYSOLAR LinkedIn account has been active since September 2021 and has gathered 100 followers so far (May 2022). All the followers were attracted organically and not through sponsoring. In the last 30 days the CITYSOLAR profile has seen a growth of 554 post views (+550%) and 31 new followers (+ 287,5%), demonstrating the great effort aimed at increasing the visibility of the profile. Looking at the demographic characterization based on the LinkedIn analytical tools, we can see that the majority of the visitors in the last 30 days come from Italy (44%), France (30%) and Austria (5%).



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	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

Regarding the followers, most of them are from the Research Industry (21%), followed by Oil & Energy (6%), Higher Education (4%) and Renewables & Environment (4%), as shown in Figure 3.

Follower demographics



Figure 3 CITYSOLAR LinkedIn profile – category of followers


The posts on LinkedIn are often accompanied with pictures, graphics or tables related to the shared content or CITYSOLAR project in general. Through the photos we tag our project partners, the key stakeholders, and this permits to repost on their account and increase the engagement rate.

Below an example of a post extracted from the LinkedIn profile of CITYSOLAR.



Figure 4 Example of post on the LinkedIn profile of CITYSOLAR



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

FACEBOOK (<https://www.linkedin.com/company/citysolar-eu>)

Since its creation in September 2021, the CITYSOLAR Facebook page attracted 53 followers. The objective of this page is to share the project activities to a wider and more generic audience with a focus on younger people.

Compared to the other two social media used by the project (LinkedIn and Twitter), Facebook is the one that at the moment needs a major boost. The aim is to raise soon the number of followers through posts, tags and interactions with other key profiles.

Below we can see a screenshot of a post from CITYSOLAR project Facebook page.

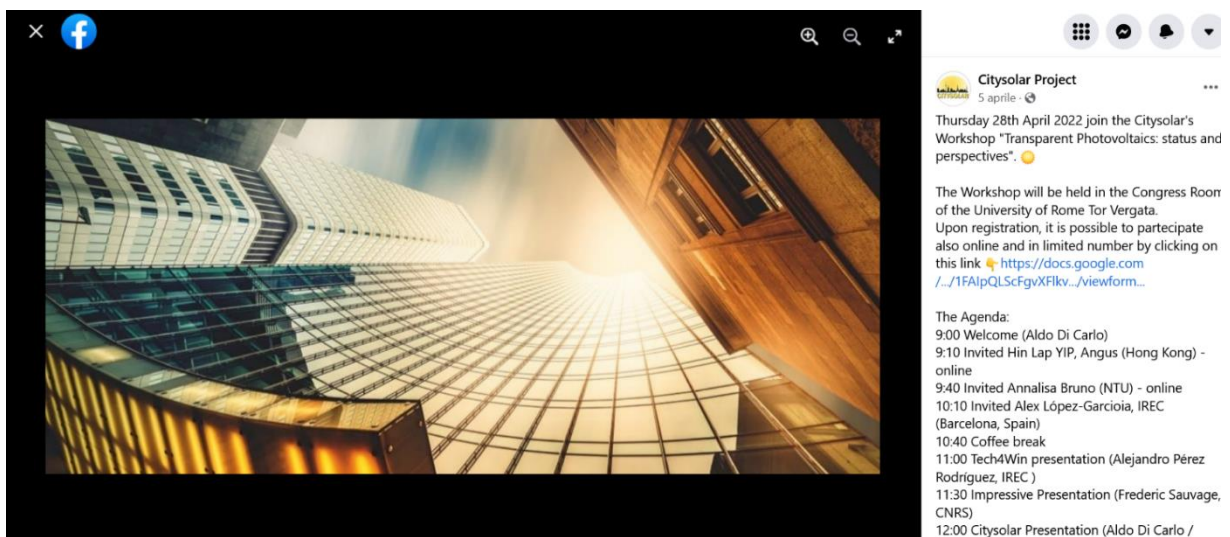


Figure 5 – Screenshot of a post from CITYSOLAR Facebook page


2.3. Newsletter

As specified in the CDEP, CITYSOLAR will produce a regularly distributed newsletter all through the life cycle of the project. This represents an important tool for on-going dissemination of the project activities. It includes information about CITYSOLAR's progress, results and main activities.

Newsletters are drawn up every 6 months for knowledge dissemination and to increase interest in the CITYSOLAR solutions. At the moment (M18) CITYSOLAR published two Newsletters.

The first CITYSOLAR Newsletter was created at M6 of the project life (June 2021) and it reports information on the project main objectives and summarizes the new concepts and perspectives to the problem of generating electricity via the photovoltaics process keeping at the same time the system as transparent as possible. In this first issue we also presented the Partners of CITYSOLAR Consortium and reported about the Kickoff Meeting that was held on the 15th of December with a virtual call due to persistence of the COVID pandemic crisis.



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

The second Newsletter was released in January 2022. In this issue we shared the main highlights of the research progress with a focus on the CNR-ISM partner (i.e. Optical and electronic investigation of semi-transparent perovskites at CNR-ISM ; Systematic study of CsFAPnBr₃ and FAPbBr₃ based devices to correlate structure/morphology to optical and electronic properties) and information about our participation in some virtual and face-to-face events (i.e. NET-SCIENCE TOGETHER the 2021 European Researcher Night held in Rome or The 15th International Symposium on Flexible Organic Electronics held in Thessaloniki)

In Figure 6 it is shown the first page of the latest Newsletter from CITYSOLAR.




Figure 6 – CITYSOLAR Newsletter #2

2.4. Promotional Materials

Following the visual identity guidelines contained in the CDEP, the Consortium developed brochures, flyers and poster containing basic information on the project. Due to the Covid-19 pandemic most of the events that were planned to take place in attendance were either cancelled or switched online. This



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	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

caused a lesser diffusion of CITYSOLAR promotional material, as they were meant to be distributed principally at events, conferences, workshops, etc.

FLYER

CITYSOLAR' flyer represents the project's "visit card". The text is written taking into account not only experts but also an interested non-specialist audience. It contains the summary, the description of the new concepts and the objectives of the project. Copies of the flyer were printed and successfully distributed for example during the event NET-SCIENCE TOGETHER (2021 European Researcher Night) that took place on September 24th in Rome with great number of participants.

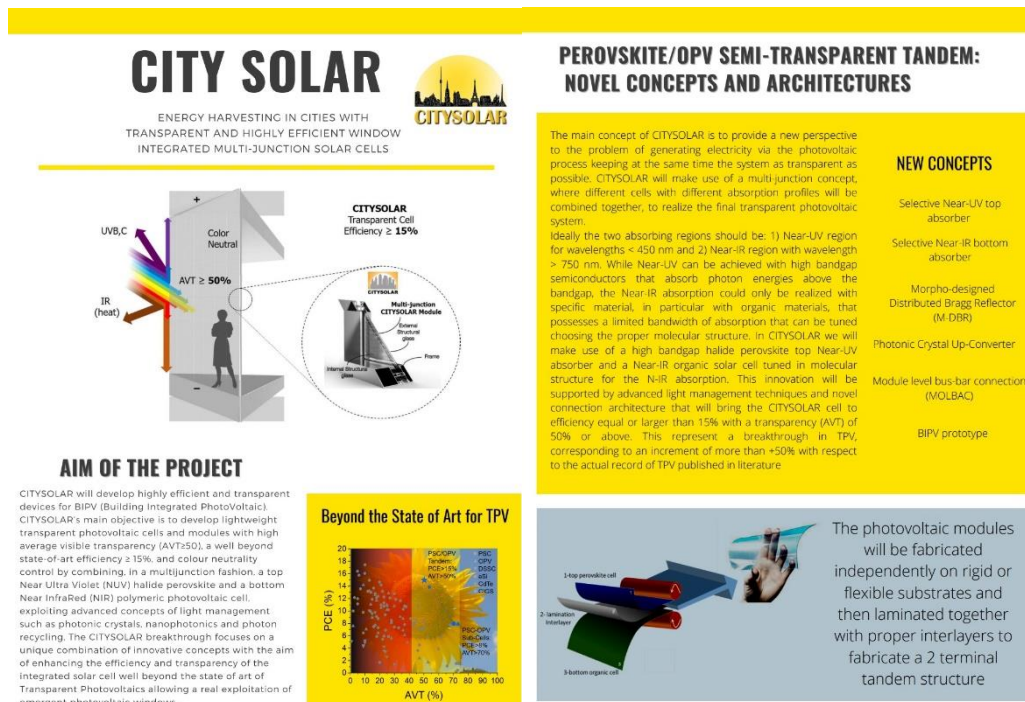



Figure 7 – CITYSOLAR Flyer

POSTER

CITYSOLAR also created two different posters that consist in an overview of the project's main goals and envisioned process (see Figure 8 and Figure 9 below)





	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0


3. EVENTS, MEETINGS AND WORKSHOPS

One important aspect of CITYSOLAR dissemination strategy is to present the project at events, conferences, meetings, workshops and webinars along with organizing our own events. During the first 18 months of the project life, all the CITYSOLAR partners have been very active and took part in a large numbers of events as shown in the table below.

Table 1 summarizes the events, conferences, meetings, workshops and webinars in which CITYSOLAR partners were involved (M1-M18)

Description	Date	Participat(s)	Venue
H2020 1st Coordinators' Virtual Workshop on Perovskite PV Technology. The meeting involved all the project of H2020 related to the subject of perovskite PV (PERTPV, APOLO, ESPRESSO, PERCISTAND, IMPRESSIVE, CITYSOLAR)	11.02.2021	CNR, FAU	Virtual
Transparent PV: Challenges and Opportunities: The meeting involve all the EU project related to Transparent PV (IMPRESSIVE, CITYSOLAR, TECH4WIN) as well key leader in the field (R. Lunr, X. Hao) and industrial pplayer (UBIQUITOS, ARMOR)	11.06.2021	CNR, Eni	Virtual
HOPV - 13th Conference on Hybrid and Organic Photovoltaics Online, 24th - 28th May 2021 https://www.nanoge.org/HOPV21/general-conference-hall	24.05.2021	UNITOV, CNR, Eni, SDU	Virtual
MRS 2021 Spring Meeting Invited Presentation https://www.european-mrs.com/	31.05.2021-03.06.2021	ENI	Virtual
ISFOE21 https://www.nanotextology.com/index.php/about-isfoe20	05.07.2021-08.07.2021	SDU	Thessaloniki - Virtual
SCIENCE TOGETHER NET – European Researcher Night 2021 https://www.nottedeiricercatori.it/net/	24.09.2021	CNR, UNITOV	Rome – Presence
NanoGe Fall meeting 2021 https://www.nanoge.org/NFM21/symposia?t=6076f28c10cb30108db184d6	18.10.2021-22.10.2021	SDU	Virtual
Sonderborg Climate Neutrality conference 2021 https://event.sdu.dk/climateconference	28.09.2021-29.09.2021	CNR, SDU	Virtual
Sustainable Place 2021 https://www.sustainableplaces.eu/	28.09.2021-01.10.2021	CNR	Virtual
H2020 1st Coordinators'; Virtual Workshop on PV in Buidings	07.10.2021	UNITOV, EDF, BM, ENI	Virtual
NGSE - Next Generation Solar Energy Conference https://www.ngse.info/	06.12.2021-08.12.2021	FAU, all	Hybrid
SCUT-FAU Joint Workshop https://www.i-meet.wv.uni-erlangen.de/2021/12/scut-fau-joint-workshop-2021/	16.12.2021	FAU	Virtual



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

Cluster Event CITYSOLAR, IMPRESSIVE, TECH4WIN	28.04.2022	ALL	Virtual
NanoGe Spring Meeting (#StEffOPV22 symposium) https://www.nanoge.org/NSM22/symposia?t=6114c8cb6d6fc860076f088d	07.03.2022- 11.03.2022	SDU, FAU	Virtual
Trends and Innovations in Materials Energy and Sustainability- TIMES-2022 https://christuniversity.in/events/Main%20Campus/view-pdf/virtual-international-conference-on-trends-and-innovations-in-materials-energy-and-sustainability	07.04.2022- 08.04.2022	CNR	Virtual
SPIE Photonics Europe 2022 https://spie.org/conferences-and-exhibitions/photonics-europe	03.04.2022- 07.04.2022	SDU	Strasbourg - Presence
Forskningsens Døgn, broad dissemination for students and public in Denmark https://forsk.dk/	22.04.2022	SDU	Presence
ICEPV-2022, invited talk http://www.icepv.org/	27.04.2022- 29.07.2022	SDU	Virtual

Table 2 – List of events involving CITYSOLAR partners (M1-M18)

As mentioned before, due to the COVID-19 pandemic crisis most of the events scheduled for attendance during this first 18 months were carried out in virtual mode. Despite this, we managed to organize and be present at some face-to-face live events.

3.1. CITYSOLAR “Workshop on Transparent Photovoltaics: status and perspectives”


One of the events that we were able to successfully carry out in presence was the CITYSOLAR’s cluster event “Workshop on Transparent Photovoltaics: status and perspectives” that took place on the 28th of April 2022 in the Congress Room of the University of Rome Tor Vergata. Organized by the CITYSOLAR Consortium in collaboration with TECH4WIN and IMPRESSIVE (two other H2020 funded projects) and carried out in a hybrid way (presence and online), the event saw an excellent result in terms of participants both in presence and in virtual mode.

The cluster event is part of CITYSOLAR WP7 “Communication Activities and Dissemination and Exploitation of Results” (Task 7.3.3).

Below we report the agenda of the Workshop:

- 9:00** Aldo Di Carlo (ISM-CNR) – Maider Machado (PO-H2020): Welcome
- 9:10** Angus H. L. Yip, (City University of Hong Kong): Optical design for solution-processed transparent and tandem solar cells (invited - online)
- 9:40** Dr. Annalisa Bruno Bruno (NTU, Singapore): Colored, Flexible and stable co-evaporated perovskite solar cells (invited - online)
- 10:10** Alex López-García, (IREC, Spain): Oxide-based Strategies for UV-Selective Transparent Solar Cells (invited)
- 10:40** Coffee Break
- 11:00** Alejandro Pérez Rodríguez, (IREC - Institut de Recerca en Energia de Catalunya, Spain): H2020 project – Tech4Win project
- 11:30** Frédéric SAUVAGE Sauvage (CNRS, France): H2020 project – IMPRESSIVE



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

12:00 Aldo Di Carlo (CNR - ISM Istituto di Struttura della Materia-, Italy) / Christoph Josef Brabec Brabec, (FAU Erlangen-Nürnberg, Germany): H2020 project - CITYSOLAR

12:30 Edgardo Saucedo (UPC, Spain) The SENSATE project

12:45 Stephan Abermann (AIT, Austria) The VIPERLAB Project

13:00 Claudia Barolo (Univ. Turin, Italy) Materials for transparent PV

Beside the three organizing project, the workshop presented the VIPERLAB research infrastructure funded by the H2020 in the INFRAIA context and the ERC SENSATE project. Discussion of mutual benefit and collaboration between all these 5 projects were discussed.


One of the goal of the workshop was to define an outline of a collaborative perspective scientific article on “Status and perspectives of Transparent Photovoltaics”. All the participants agreed to contribute to this work, including additional external partners.

On the occasion of the Workshop the participants had a chance also to visit, in an exclusive way, the Historical Museum of Physics of the “Enrico Fermi Study and Research Centre” situated in the monumental complex of Via Panisperna, in the heart of Rome and to discuss with Prof. Luciano Pietronero, Director of the Fermi’s Centre breakthroughs in science from Fermi to nowadays.



Figure 10 – Pictures from the visit to the Historical Museum of Physics “Enrico Fermi” in Rome in occasion of the Workshop on Transparent Photovoltaics organized by CITYSOLAR



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

4. NEWS AND PUBLICATIONS

Over the course of the project's first 18 months, CITYSOLAR's partners have started to create, develop and strengthen relations with different media in their respective countries with the purpose of gaining visibility in journals, newspapers, radio and Tv. The aim is to spread a positive image of the project to a wider possible audience and to ensure the publication of news about CITYSOLAR's activities.

4.1. Newspapers, radio and Tv

CITYSOLAR has launched a first press release that was sent to different media in order to promote and disseminate the project objectives, activities and results in newspapers, radio and Tv.

So far (M1-M18) CITYSOLAR made his appearance in 1 television show, 1 radio program and 8 newspapers:

- TV - CITYSOLAR was presented by Dr. Valerio Rossi Albertini from CNR in the Italian National Television RAI, reaching 1.024.000 persons (14,7% share) - <https://vimeo.com/513120176>
- RADIO – Prof. Aldo Di Carlo, Director of the ISM/CNR Institute was interviewed at a program in Radio 24 and invited to speak about the CITYSOLAR project. - <https://www.radio24.ilsole24ore.com/programmi/paese-migliore/puntata/si-puo-fare-rete-090744-AD4JdsKB>
- Web article on RINNOVABILI.IT – <https://www.rinnovabili.it/energia/fotovoltaico/finestre-fotovoltaiche-citysolar-solare-tandem/>
- Web article on Italian newspaper IL RIFORMISTA - <https://www.ilriformista.it/citysolar-cosa-sono-e-come-funzionano-i-pannelli-di-nuova-generazione-del-cnr-197263/>
- Web article on PEROVSKITE-INFO - [CITYSOLAR project to develop perovskite/OPV hybrids for photovoltaic windows | Perovskite-Info](#)
- Web article on TECHNOLOGY.ORG - [New EU project will make your windows generate solar energy - Technology Org](#)
- Web article on ENERGYWATCH.COM - [EU project aims to generate solar power from windows \(energywatch.com\)](#)
- Web article on CHIMIEPARISTECH.PSL.EU - [The H2020 project CITYSOLAR will set new standards for photovoltaic windows - Chimie ParisTech - PSL](#)
- Web article on JV.DK - [Forskere skal forvandle vinduer til små kraftværker | jv.dk](#)
- Web article on VIDENSKAB.DK - [Fremtidens solceller kan være printede og ultratynde \(videnskab.dk\)](#)

Figure 11 shows a moment of the appearance of Dr. Valerio Rossi Albertini (CNR) talking about CITYSOLAR and Photovoltaics during an important Tv show broadcasted by Italian National Television RAI.




	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0



Figure 11 – Dr. Valerio Rossi Albertini from CNR talks about CITYSOLAR in a TV show in RAI (Italian National Television)

4.2. Scientific publications


As planned in the CDEP, scientific publications on CITYSOLAR will be generated to be submitted in international peer-reviewed papers. Following the main and most important results of the project in the first 18 months, the partners have submitted a total of 5 scientific publications to well recognized international peer journals.

The aim is to encourage peer scrutiny and validation of results, knowledge sharing, and stimulating future research and potentially future collaborations.

Table 3 reports the scientific publications submitted by the CITYSOLAR partners (M1-M18)

Title	Journal reference	Authors	DOI
2D materials for organic and perovskite photovoltaics	Nano Energy - 94, 106833 (2021)	Um Kanta Aryal Mehrad Ahmadpour Vida Turkovic Horst-Günter Rubahn Aldo Di Carlo Morten Madsen	10.1016/j.nanoen.2021.106833
Efficiency-Enhanced Scalable Organic Photovoltaics Using Roll-to-Roll Nanoimprint Lithography	ChemSusChem, 15, e202101611, (2021)	Mohammed A Yakoob, Jani Lamminaho, Karlis Petersons, Ashish Prajapati, Elodie Destouesse, Bhushan R Patil, Horst-Günter Rubahn, Gil Shalev, Jan Stensborg, Morten Madsen	10.1002/cssc.202101611
Ferromagnetic Behavior and Magneto-Optical Properties of semiconducting Co-Doped ZnO	Nanomaterials 2022, 12(9), 1525	Antonio Di Trolio, Alberto M. Testa and Aldo Amore Bonapasta	10.3390/nano12091525




	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

Improved Air Processability of Organic Photovoltaics Using a Stabilizing Antioxidant to Prevent Thermal Oxidation	The Journal of Physical Chemistry J. Phys. Chem. C 2022, 126, 1, 22–29	Marc Steinberger, Andreas Distler, Christoph J. Brabec, and Hans-Joachim Egelhaaf	10.1021/acs.jpcc.1c07050
Generation of long-lived charges in organic semiconductor heterojunction nanoparticles for efficient photocatalytic hydrogen evolution	Nature Energy 7, 340–351 (2022)	Jan Kosco , Soranyel Gonzalez-Carrero, Calvyn T. Howells, Teng Fei, Yifan Dong, Rachid Sougrat, George T. Harrison, Yuliar Firdaus, Rajendar Sheelamanthula, Balaji Purushothaman, Floriana Moruzzi, Weidong Xu, Lingyun Zhao, Aniruddha Basu, Stefaan De Wolf , Thomas D. Anthopoulos, James R. Durrant and Iain McCulloch	10.1038/s41560-022-00990-2
Design of highly efficient semi-transparent perovskite/organic tandem solar cells	Solar Rapid Research Letters (in press, 2022)	Daniele Rossi, Karen Forberich, Fabio Matteocci, Matthias Auf der Maur, Hans-Joachim Egelhaaf, Christoph Brabec and Aldo Di Carlo	10.1002/solr.202200242

Table 3 – CITYSOLAR scientific publications (M1-M18)



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

5. COMMUNICATION AND DISSEMINATION ASSESSMENT AFTER THE FIRST 18 MONTHS AND COMPARISON WITH CDEP (D7.1)


The implementation of the communication and dissemination strategy with its planned activities is examined constantly in order to assess its effectiveness and progress. During the first half of the project life (M1-M18) we kept feeding all the different communication activities although we have encountered some problem due to the COVID-19 pandemic, mainly with events planned to be in attendance.

Looking at the Gap analysis made in the CDEP (Deliverable D7.1), many of the objectives set have actually been achieved while others need a major boost.

Table 3 shows a comparison between the premises in the CDEP (M6) and the achievements obtained at the intermediary report (M18)

Activity	State at M6 (CDEP)	Objectives at M18	Results at M18	Actions to close GAP
Press release	At M6 CITYSOLAR has produced 1 Press Release mainly regarding the description and the objective of the project	At M18 of the project it was foreseen to have a total of at least 2 different press releases	At the moment there is still 1 press release	In the next weeks, after the project meeting scheduled for 8 th June 2022, a second press release will be released with the progress of CITYSOLAR research activities
Social Media	No social media were created at the time of the CDEP	It was foreseen to create 1 project account in Twitter and 1 project account in LinkedIn by the first months of the project time span	At M18 we have created 1 project account in Twitter , 1 project account in LinkedIn and 1 project profile on Facebook	No actions needed to close the GAP with the premises contained in the CDEP. Facebook profile should be more active to raise the number of followers
Scientific Publications	At M6 there were no Scientific Publications submitted by CITYSOLAR partners	The aim was to submit at least 2 publications to well recognized international peer journals	At M18 CITYSOLAR partners have submitted 5 scientific publications in well known peer journals	No actions needed to close the GAP with the premises contained in the CDEP




	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0


Website	CITYSOLAR created its own website at M1 of the project life	At M18 there are no objectives regarding CITYSOLAR website since its already been created at the start of the project life cycle	CITYSOLAR website is well going and kept updated	No particular actions are required to close the GAP but the website needs of constant upgrade of its contents and documents
Newsletter	At M6 CITYSOLAR has created its first newsletter giving informations on the project objectives and activities from M1 to M6 semiconductor heterojunction nanoparticles for efficient photocatalytic hydrogen evolution	CITYSOLAR foresees to have a total of at least 6 newsletters by the end of the project, that means one each 6 months.	In line with the premises, a second Newsletter was created in january 2022 giving reports on the ongoing of CITYSOLAR activities. The next Newsletter is expected to be released in July 2022	No actions needed to close the GAP with the premises contained in the CDEP

Table 4 – CITYSOLAR Communication and Dissemination results after M18



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

6. CONCLUSIONS

The Deliverable D7.4 presented the CITYSOLAR Communication and Dissemination activities run in the first half of the project life (M1-M18). In line with the premises contained in the CDEP (D7.1). The main goal is to guarantee a broad visibility of the project's results in the Transparent Photovoltaics domain and beyond, to engage target stakeholders and produce relevant and durable impact of the results.


In the first 18 months of the project, the CITYSOLAR partners have been active in several ways through different promotional activities, such as presenting the CITYSOLAR project at several events, webinars and workshops, spreading the results by the means of scientific publications, articles and media coverage, and promoting the project through the website and social media channels (Twitter, LinkedIn and Facebook).

Taking into account the results of table 4, we can assert that the performance of CITYSOLAR Communication and Dissemination activities can be considered in line with the plans contained in the Gap Analysis on Communication Tools (Annex 1 of the CDEP).

The work of WP7 will continue to be intensive in the next 18 months as several efforts are planned in order to support the broad and effective promotion of all the CITYSOLAR activities. More specifically, in the next phase of the project more attention will be on:

- Increasing the followers of CITYSOLAR social media pages (LinkedIn, Twitter and Facebook) in order to reach a major number of persons that can be informed about the project activities and objectives
- Organizing and participating in events to promote the project
- Creating 1 or 2 videos about the project results and activities
- Presenting the project through traditional media in a more substantial way
- Writing as many articles as possible for specialized scientific journals
- Participation to general events of the PV sector (such as Fair) and outreach activities



	Deliverable D7.4	Ref. CITYSOLAR-D47
	Intermediary Report on Communication and Dissemination Activities	Ver. 1.0

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