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# **CURE** Published Material

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DISSEMINATION LEVEL

**PROJECT WEB-SITE** http://cure-copernicus.eu **LEAD AUTHOR** Giorgos Somarakis (FORTH)

**CO-AUTHORS** Zina Mitraka (FORTH) Nektarios Chrysoulakis (FORTH)



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## **1** INTRODUCTION

## 1.1 Purpose of the document

This document provides an overview of the published material of the CURE project (Copernicus for Urban Resilience in Europe). This material is result of core project (research), communication or dissemination activities, has served as tool for efficient communication, dissemination and exploitation of the CURE project, its activities and its outputs, as well as has been deployed with various communication and dissemination channels (CURE website, portal, social media, workshops, meetings). Thus, it is closely related to the CURE Dissemination and Exploitation Plan (Deliverable D7.2) and its Update (Deliverable D7.9). The CURE published material includes different types of material, i.e. documents, datasets, etc. and can be divided into the following two main categories of data and products (as they are also presented in the CURE Data Management Plan and its Updates – Deliverables D7.4, D7.5 and D7.6): a) CURE applications data and products, and b) Communication, dissemination and reporting products.

## 1.2 Definitions and acronyms

#### Acronyms

CURE	Copernicus for Urban Resilience in Europe
DOI	Digital Object Identifier
DRAGoN	Data Research, Access and Governance Network
EARSeL	European Association of Remote Sensing Laboratories
EGU	European Geophysical Union
EuroGEO	Europe's part of the Group on Earth Observations
FIRE	Forum for Innovation and Research in European Earth Observation
IEEE	Institute of Electrical and Electronics Engineers
IGARSS	International Geoscience and Remote Sensing Symposium
SPIE	Society of Photographic Instrumentation Engineers



# 2 CURE APPLICATIONS DATA AND PRODUCTS

Regarding CURE applications data and products, local (neighbourhood) scale and city scale CURE products are provided from the implementation of these applications (<u>https://portal.cure-copernicus.eu/cure-applications</u>) in various cities (<u>https://portal.cure-copernicus.eu/city-demonstrations</u>). The CURE applications data and products were provided at two stages: firstly, sample data products were published; secondly, CURE portal data products were made available.

## 2.1 Sample data products

The CURE sample data products were published through the CURE Deliverable D3.3, which was uploaded at the CURE zenodo community (Figure 1).

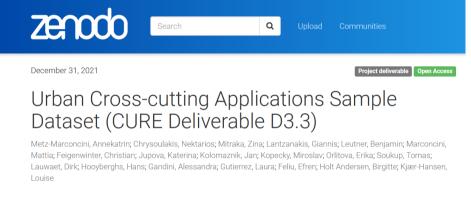


Figure 1. The CURE Deliverable D3.3 in zenodo (<u>https://zenodo.org/record/6876179#.ZEChis5Bw2x</u>).

## 2.2 CURE portal data products

The CURE portal data products are accessible through the CURE portal and can be downloaded for each CURE application separately (Figure 2) or in total: https://www.dropbox.com/sh/xivukxo3l2b1log/AABXRKHvDaWYTSohZWIZWVETa?dl=0

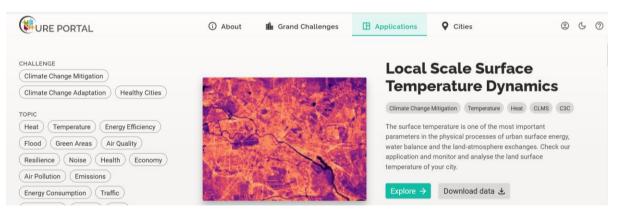


Figure 2. "Explore" and "Download data" capabilities for each CURE application through the CURE portal (<u>https://portal.cure-copernicus.eu/cure-applications</u>).



# **3** COMMUNICATION, DISSEMINATION AND REPORTING PRODUCTS

There are plenty of products related to the communication and dissemination activities (described in the CURE Dissemination and Exploitation Plan, Deliverable D7.2), as well as to the reporting activities of the CURE project that can be divided into communication and dissemination material and public deliverables.

## 3.1 CURE communication and dissemination material

The CURE communication and dissemination material includes journal publications, presentations in scientific meetings, newsletter issues and a leaflet that are accessible through the CURE website and uploaded at the CURE zenodo community.

#### 3.1.1 Journal publications

Several scientific articles including CURE methods and results are in preparation, under review, accepted for publication or published. Currently, the following articles have been published (<u>http://cure-copernicus.eu/journals.html</u>):

- Chrysoulakis, N., Ludlow, D., Mitraka, Z., Somarakis, G., Khan, Z., Lauwaet, D., Hooyberghs, H., Feliu, E., Navarro, D., Feigenwinter, C., Holsten, A., Soukup, T., Dohr, M., Marconcini, M., & Andersen, B. H. (2022). Copernicus for Urban Resilience in Europe. Research Square Platform LLC. <u>https://doi.org/10.21203/rs.3.rs-2330593/v1</u>
- Souverijns, N., De Ridder, K., Veldeman, N., Lefebre, F., Kusambiza-Kiingi, F., Memela, W., & Jones, N. K. W. (2022). Urban heat in Johannesburg and Ekurhuleni, South Africa: A meter-scale assessment and vulnerability analysis. In Urban Climate (Vol. 46, p. 101331). Elsevier BV. <u>https://doi.org/10.1016/j.uclim.2022.101331</u>
- Chrysoulakis, N., Somarakis, G., Stagakis, S., Mitraka, Z., Wong, M.-S., & Ho, H.-C. (2021). Monitoring and Evaluating Nature-Based Solutions Implementation in Urban Areas by Means of Earth Observation. In Remote Sensing (Vol. 13, Issue 8, p. 1503). MDPI AG. <u>https://doi.org/10.3390/rs13081503</u>

## 3.1.2 Presentations in scientific meetings

The CURE project and different aspects of it have been presented in various assemblies, forums, symposiums, conferences, workshops (and included in meetings' proceedings in several cases) or will be presented in forthcoming meetings. Currently, they have been already presented in the following international scientific meetings (<u>http://cure-copernicus.eu/journals.html</u>):

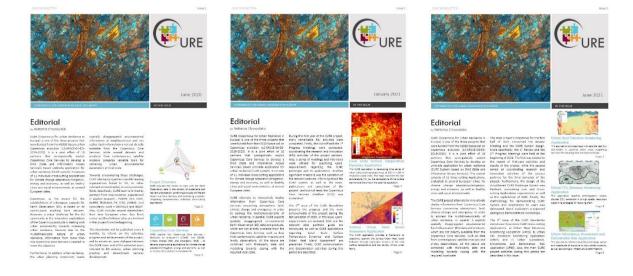
- European Geophysical Union (EGU) General Assembly, virtual, 4 8 May 2020
- Society of Photographic Instrumentation Engineers (SPIE) Remote Sensing Digital Forum, virtual, 21-25 September 2020
- International Geoscience and Remote Sensing Symposium of the Institute of Electrical and Electronics Engineers (IEEE IGARSS), virtual, 26 September 2 October 2020



- 4th SmartBlueCity Conference-Exhibition, hybrid (Athens), 9 -10 October 2020
- 'Space for Cities' Online Workshop, virtual, 27 October 2020
- 'Artificial Intelligence for Big Satellite Data' Workshop, virtual, 25 February 2021
- European Association of Remote Sensing Laboratories (EARSeL) Joint Workshop, virtual, 30 March 1 April 2021
- EGU General Assembly, virtual, 19-30 April 2021
- Data Research, Access and Governance Network (DRAGoN) Launch Event, virtual, 1 July 2021
- IEEE IGARSS, virtual, 12-16 July 2021
- SPIE Remote Sensing Digital Forum, virtual, 13-17 September 2021
- Europe's part of the Group on Earth Observations (EuroGEO) Workshop, virtual, 20-23 September 2021
- Forum for Innovation and Research in European Earth Observation (FIRE) Focus Group II 'Urban', virtual, 21 February 2022
- EGU General Assembly, hybrid (Vienna), 23-27 May 2022
- Living Planet Symposium, hybrid (Bonn), 23-27 May 2022
- 5th Changing Cities Conference, Corfu, 20-25 June 2022
- SPIE Sensors + Imaging 2022 Conference, Berlin, 5-7 September 2022
- 41st EARSeL Symposium, Paphos, 13-16 September 2022
- EuroGEO Workshop, Athens, 7-9 December 2022
- EGU General Assembly, hybrid (Vienna), 23-28 April 2023

#### 3.1.3 CURE newsletter

The CURE newsletter has been published in a series of 6 issues and contains information about the project overview and activities, Copernicus Core Services, users' requirements, as well as about the CURE methodology, system, portal, applications, demonstration workshops and future perspective (Figure 3).





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Figure 3. The 6 issues of the CURE Newsletter as appeared in the CURE website (<u>http://cure-copernicus.eu/newsletters.html</u>).

#### 3.1.4 CURE leaflet

The CURE leaflet introduces the concept, objective and impact of the CURE project, the project partners and coordinator, as well as the project website and social media accounts (Figure 4).



Figure 4. Both sides of the CURE leaflet (<u>https://doi.org/10.5281/zenodo.4725511</u>).

## 3.2 CURE public Deliverables

More than the half (25 out of 36) of the CURE project Deliverables are public (Table 1), supporting substantially the project communication, dissemination and exploitation. All CURE public Deliverables are uploaded at the CURE zenodo community (https://zenodo.org/communities/cure-h2020/search?page=1&size=20&sort=-



<u>version&subtype=deliverable</u>) after their approval. Also, access to the approved CURE public Deliverables is provided through the CURE website (Figure 5).

 Table 1. The public Deliverables of the CURE project, their delivery dates and their Digital Object Identifiers

 (DOI).

Deliverable (number)	Deliverable name	Delivery date (month)	DOI (applicable only for approved Deliverables)
D7.3	CURE Web-site	3	10.5281/zenodo.4739012
D7.4	Data Management Plan	3	10.5281/zenodo.4739022
D1.2	Copernicus service review	6	10.5281/zenodo.4738732
D1.1	Summary of user requirements	7	10.5281/zenodo.4738613
D1.3	Methodology review and selection	7	10.5281/zenodo.4738782
D2.1	Copernicus Core Services Interface and Relevant Data Portfolio Guide	9	10.5281/zenodo.4738952
D2.2	Copernicus Core Services Interface	12	10.5281/zenodo.4738958
D3.1	Urban Cross-cutting Applications Preparation	12	10.5281/zenodo.4738970
D6.1	Scenarios for CURE integration to Copernicus	12	10.5281/zenodo.4738989
D4.1	CURE System Requirements	15	10.5281/zenodo.6876338
D5.1	Demonstration and Evaluation Methodology	18	10.5281/zenodo.6876396
D7.5	Data Management Plan 1 <sup>st</sup> Update	18	10.5281/zenodo.6876487
D3.2	Urban Cross-cutting Applications Methods	24	10.5281/zenodo.6876063
D3.3	Urban Cross-cutting Applications Sample Dataset	24	10.5281/zenodo.5812049
D5.2	Users' Feedback on Demonstrations	24	10.5281/zenodo.6876445
D4.2	CURE System Design	25	10.5281/zenodo.6876362
D4.3	CURE System	30	N/A
D4.4	CURE Application Solution Brochure	30	N/A
D6.2	Benchmarking, Scenarios & Economic Feasibility Report	30	N/A
D4.5	CURE Portal	32	N/A
D2.3	Copernicus Core Services Interface Update	36	N/A
D3.4	Urban Cross-cutting Applications Development Report	36	N/A
D5.3	Demonstration and Evaluation Final Report	39	N/A
D7.6	Data Management Plan 2 <sup>nd</sup> Update	40	N/A
D7.8	CURE Published Material	40	N/A

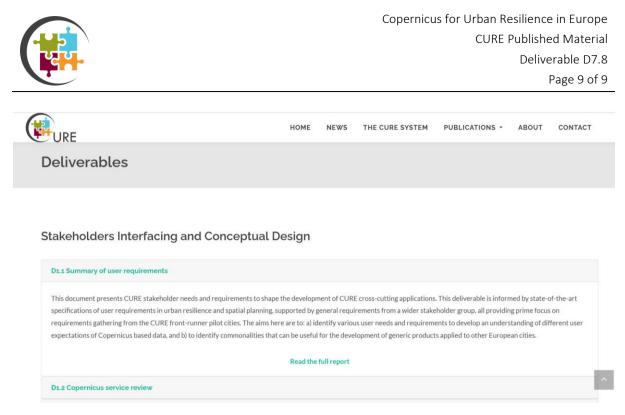


Figure 5. The webpage of the CURE Deliverables (<u>http://cure-copernicus.eu/deliverables.html</u>) in the CURE website.