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## Executive Summary

GUTTA project partners engaged with their main target groups and stakeholders through the organization of eight international events. This deliverable reports their outcome and documents the online published resources associated to those events.

### 1. Introduction

GUTTA project partners engaged with their main target groups and stakeholders through the organization of eight international events:

- 1) GUTTA project kick-off meeting (in particular [its public opening conference](#));
- 2) GUTTA participation to EC Day 2019;
- 3) the CMCC webinar “[You better watch out: learn how to prevent, tame and mitigate a pandemic \(COVID-19\)](#)” realized in the framework of GUTTA activities;
- 4) the online event “[Improving the sustainability of maritime transport in the Adriatic Sea](#)” jointly organized with Interreg METRO and E-CHAIN projects;
- 5) [GUTTA final event in Opatija, Croatia](#);
- 6) [GUTTA final workshop in Lecce, Italy](#);
- 7) the dissemination event “[The cooperation among the ports of the lower Adriatic and the upper Ionian: from the Programme Interreg 2014/2020 to 2021/2027](#)” organized by Adsp-MAM, in Bari, Italy; 8) the [15th Baška GNSS Conference](#), co-organized by the University of Zadar.

These events didn't just disseminate GUTTA results, but represented important, high-level, international events to review the state of the art of maritime decarbonization from multiple viewpoints, and crucial occasions to actively engage with the stakeholders, listening to them and involving them in the discussion with questions, on-stage invitation, and many dissemination activities before, during and after the events. All PPs communication channels were used to disseminate these events and foster a major engagement with stakeholders: GUTTA webpage on the Interreg Italy Croatia website and PPs' institutional websites (publications of news, events and videos), PPs' social accounts, videos realized during the events, video tutorials and GUTTA final videos, all published on the CMCC YouTube Channel, newsletters and e-mail messages sent to GUTTA and LP mailing lists, direct, in-person contacts (in particular with the media) etc. Representatives from all three GUTTA's target groups, including citizens and in particular the “General public, under-40 EU citizens” target group, maritime professionals and institutions (local, regional and national authorities, international organizations), and scientists were also invited at these events.

Moreover, in the last reporting period of the project, the LP was also involved in the organization of the webinar “[The effects of COVID-19 lockdown on GHG emissions: which lessons to learn on the way towards decarbonization?](#)” to be held on July 14, 2022, thus beyond RP7. However, during RP7 LP designed format and agenda of this event, engaged speakers and moderator, and started its dissemination.

## 2. Published resources

Here a list of all the resources related to GUTTA project events:

### 2.1 Event #1

#### **6-8 March 2019, Lecce, Italy - GUTTA kick-off meeting (D.1.1.1)**

Presentations given at the GUTTA opening conference (Lecce, March 6, 2019) – available at the following [LINK](#)

Press release (D.2.1.1) – ENG version - available [at the following LINK](#)

Press release (D.2.1.1) – IT version – available [at the following LINK](#)

### 2.2 Event #2

#### **1-2 October 2019, Zagreb, Croatia - EC Day 2019 & GUTTA project Steering Committee Meeting**

News on the event on the University of Zadar website – [at the following LINK](#)

### 2.2 Event #3

#### **9 February 2021, online event - You better watch out: learning how to prevent, tame and mitigate a pandemic (COVID-19)**

CMCC webinar organized in the framework of GUTTA activities.

**Speakers:**

**Giacomo Cacciapaglia**, CNRS, Institut de Physique des 2 Infinis de Lyon (IP2I)

**Moderator:**

[Gianandrea Mannarini](#), CMCC Foundation - Euro-Mediterranean Center on Climate Change (CMCC), GUTTA sc. leader

Page of the event – available [at the following LINK](#)

The message sent to CMCC mailing lists – available [at the following LINK](#)

Video registration of the event on CMCC YouTube Channel – available [at the following LINK](#)

#### 2.4 Event #4

##### **19 October 2021, online event - Improving the sustainability of maritime transport in the Adriatic Sea**

Online event jointly organized by Interreg projects GUTTA, E-CHAIN and METRO.

Page of the event on the CMCC website (including the agenda) – available [at the following LINK](#)

The message sent to CMCC mailing lists – available [at the following LINK](#)

Video registration of the event on CMCC YouTube Channel – available [at the following LINK](#)

Page of the event on E-CHAIN website – available [at the following LINK](#)

News on METRO website – available [at the following LINK](#)

#### 2.5 Event #5

##### **9-10 March 2022, GUTTA final event in Opatija, Croatia - Hybrid event**

Page of the event – available [at the following LINK](#)

Press release – Published [on Morski.hr](#)

Press release – Published [on Novi list \(pdf\)](#)

#### 2.6 Event #6

##### **4 May 2022, GUTTA final workshop in Lecce, Italy – Hybrid event**

Page of the event – available [at the following LINK](#)

Presentations given at the GUTTA final workshop (Lecce, May 4, 2022) – available [at the following LINK](#)

The video registration of the event – available [on CMCC YouTube CMCC Channel](#)

The video message of Maja Markovčić Kostelac, EMSA Director – available [on CMCC YouTube Channel](#)

Press release (D.2.2.4) – ENG version - available [at the following LINK](#)

Press release (D.2.2.4) – IT version – available [at the following LINK](#)

Translation in Croatian of the final Press Release – available [at the following LINK](#)

#### 2.7 Event #7

##### **21 June 2022 - The cooperation among the ports of the lower Adriatic and the upper Ionian: from the Programme Interreg 2014/2020 to 2021/2027 ("La**

***cooperazione tra i porti del basso Adriatico e dell'alto Ionio: dalla Programmazione Interreg 2014/2020 a quella 2021/2027") – Hybrid event***

Page of the event – available [at the following LINK](#)

Press release – available [at the following LINK](#)

The video of the live streaming – available [at the following LINK](#)

## 2.7 Event #8

***8-12 May 2022 - 15th Baška GNSS Conference: Technologies, Techniques and Applications Across PNT and The 2nd Workshop on Smart Blue and Green Maritime Technologies***

Page of the event – available [at the following LINK](#)

**Speakers:**

Zoran Pavin (UniZd) and Vlatko Knežević (UniZd)

**Titles of the presentations:**

- Analysis of Simulated Exhaust Gas Emissions and Emissions Measured On-Board Ro-Pax Vessels (Vlatko Knežević\*, Josip Orović, Marko Valčić, Zoran Pavin),
- Impact of Environmental Loads on Ship Speed Based on Simulated Data (Zoran Pavin\*, Marko Valčić, Josip Orović, Vlatko Knežević).

## 2.7 Event #9

***14 July 2022, online event - The effects of COVID-19 lockdown on GHG emissions: which lessons to learn on the way towards decarbonization?***

**Speakers:**

[Gianandrea Mannarini](#), CMCC, OPA Division

[Giacomo Nicolini](#), CMCC, IAFES Division

**Moderator:** [Luis Sarmiento](#), RFF-CMCC European Institute on Economics and the Environment, CMCC

Page of the event – available [at the following link](#)

The message sent to CMCC mailing lists – available [at the following LINK](#)

The event was organized during the last reporting period of the project, in the framework of its activities (definition of contents, speakers and moderators + dissemination activities on CMCC communication channels).

### 3. Outcomes of the events

In this section, we provide an overview of the major outcomes of the events presented in Sect.2 of this report.

#### 3.1 Event #1

##### **6-8 March 2019, Lecce, Italy - GUTTA kick-off meeting**

The **GUTTA kick-off (KO)** consisted of two linked but separate events: a public opening conference and an internal meeting. Both took place in Lecce, Italy, from March 6 to 8, 2019. Scope of the public conference was to provide a broader framework into which forthcoming GUTTA project activities will be placed and to establish links with other European Projects. Scope of the internal meeting was to present Project Partners' expertise, to critically review WP activities, and to provide information for project day-to-day management, financial reporting and internal communication, as well as taking decisions and actions for the initial implementation activities of GUTTA. Participation of several high school students (to the public conference) and an EMSA representative (to both public conference and internal meeting) enriched the outreach and the productivity of the KO.

The conference had 43 registered participants.

Students from a high school in the Province of Lecce, Istituto Tecnico Trasporti e Logistica "Amerigo Vespucci" in Gallipoli, were part of the "**General public, under-40 EU citizens**" target group. Other participants belonged to the **General public** and **Local, regional and national public authorities**.

**Education and training organizations as well as universities and research institutes** Target group was represented by University of Salento's Prof. Indiveri invited to give a speech with his concluding remarks.

All material related to Kick Off meeting is reported in Deliverable D1.1.1, including agenda, pictures, links to presentations, list of participants. Other information is reported in the Deliverable D2.1.1 of the press release. See also RP1 report on communication activities for further detail.

#### 3.2 Event #2

##### **1-2 October 2019, Zagreb, Croatia - EC Day 2019 / GUTTA project – Steering Committee Meeting**

CSA organized the first Steering Committee meeting in Zagreb, Croatia, at the Ministry of Regional Development and EU Funds. The first part of the meeting was put in the framework of the European Cooperation Day and it was open to the public. The event had 19 registered participants; all GUTTA target groups were addressed, and in particular: Jadrolinija, Rapska plovidba, Trinity House, Ministry of Regional Development and EU Funds, and the general public.



For further detail, see RP2 report on communication activities.

### 3.3 Event #3

#### **9 February 2021, online event - *You better watch out: learning how to prevent, tame and mitigate a pandemic (COVID-19)***

The CMCC organized the online event “[You better watch out: learning how to prevent, tame and mitigate a pandemic \(COVID-19\)](#)”. The event was held on February 9, 2021, and was disseminated through several communication channels (GUTTA project webpage, PPs institutional websites, social media, CMCC and GUTTA mailing lists).

Giacomo Cacciapaglia (CNRS, Institut de Physique des 2 Infinis de Lyon - IP2I) attended the event as invited speaker; Gianandrea Mannarini, GUTTA sc. leader, was the moderator of the event. The webinar illustrated major insights of a study on the impact of maritime passenger transport for the spread of COVID-19.

The webinar had 119 registered participants (n. 20 of cooperatives and social economy actors; n. 89 of Research centers and Universities representatives; n. 10 of policy makers); the video of the event had 1207 visualizations since its publication on CMCC YouTube Channel, on Febr.9, 2021.

For further detail, see RP5 report on communication activities.

### 3.4 Event #4

#### **19 October 2021, online event - *Improving the sustainability of maritime transport in the Adriatic Sea***

The CMCC organized the online event “[Improving the sustainability of maritime transport in the Adriatic Sea](#)”. Organized in the framework of NextGen Adriatic Cooperation initiatives, the event was held online on October 19, 2021, and organized in collaboration with the Interreg Italy-Croatia METRO and E-CHAIN projects. The event was disseminated through several communication channels (GUTTA project webpage, PPs institutional websites, social media, CMCC and GUTTA mailing lists and the communication channels of E-CHAIN and METRO projects) and was in particular designed to reach the target group of the maritime stakeholders of the project.

The online event had 83 registered participants (n. 14 of cooperatives and social economy actors; n. 62 of Research centers and Universities representatives; and n. 7 of policy makers); the video of the event had 106 visualizations since its publication on CMCC YouTube Channel, on Oct.20, 2021.

For further detail, see RP6 report on communication activities.



### 3.5 Event #5

#### **9-10 March 2022, GUTTA final event in Opatija, Croatia - Hybrid event**

On March 9-10, 2022, the Croatian Ministry for the Sea, Transport and Infrastructure organized the **GUTTA project final event in Opatija, Croatia**, together with the visit of the container terminal in Port of Rijeka; the target groups and stakeholders reached during this event were mainly from the academic community (e.g. from UNIRI-Rijeka, CNRS Lyon) and the maritime sector (e. g. representatives from Jadrolinija and iCat shipyard, members of Port of Rijeka Authority, representatives of the Intermodal Transport Klaster, such as Ploče Port Authority, Šibenik Port Authority, Split Port Authority, Port of Rijeka, Coastal Liner Services Agency , Hydrographic Institute of the Republic of Croatia, representatives of the Ministry of Tourism and Sport and representatives of CRS.

The conference had 37 registered participants.

For further detail, see RP7 report on communication activities.

### 3.6 Event #6

#### **4 May 2022, GUTTA final workshop in Lecce, Italy – Hybrid event**

On May 4, 2022, the CMCC Foundation organized the **GUTTA final workshop “[Journey of a droplet to the ocean of decarbonisation](#)” in Lecce, Italy**. The event has been selected to be part of European Maritime Day In My Country 2022 ([EMD2022](#)) and received the endorsement as an Activity of the [UN Decade of Ocean Science for Sustainable Development \(2021-2030\)](#).

The GUTTA project aims at reducing the carbon footprint of ferry routes between Italy and Croatia, by means of an automated route optimization tool, to enhance cross-border connectivity, and assess the role of COVID-19 on ferry transportation. During the workshop, the project illustrated [GUTTA-VISIR](#), the decision support system devised for computing least-CO2 ferry routes in the Adriatic Sea.

The event involved several experts coming from different European countries in order to present the state of the art of maritime decarbonisation from multiple viewpoints: the regulatory institutions, the research and academia, the industry, and an environmental NGO. A special focus on the impact of COVID-19 on the maritime sector was made, and how it may have affected its pathway towards its decarbonisation. Indeed, the workshop provided insights on how the measures to address the COVID-19 pandemic impacted maritime transport, presenting several scientific studies and research. As a case study, the workshop presented the results of a study exploring the possible role of ferries in triggering the second wave of COVID-19 in Croatia, showing that this was not the case.

GUTTA final workshop was extensively disseminated through several communication channels (GUTTA project webpage, PPs institutional websites, social media, CMCC and GUTTA mailing lists and the communication channels of GUTTA project partners, but also the communication channels of the UN

Ocean Decade and EMD2022) and the media significantly covered this event. It was a hybrid event, both online and in presence: more than 300 participants attended the workshop considering people in presence, people joining the event on CMCC Zoom platform or following the live streaming on the CMCC YouTube Channel; all the main target groups of the project, from the high school students of the Apulia region, to the representatives of the research and academia, the maritime sectors and the media, were reached and engaged.

For further detail, see RP7 report on communication activities.

### 3.7 Event #7

#### ***21 June 2022 - The cooperation among the ports of the lower Adriatic and the upper Ionian: from the Programme Interreg 2014/2020 to 2021/2027 (“La cooperazione tra i porti del basso Adriatico e dell’alto Ionio: dalla Programmazione Interreg 2014/2020 a quella 2021/2027”) – Hybrid event***

On June 21, 2022, the Southern Adriatic Sea Port Authority (Ports of Bari, Brindisi, Manfredonia, Barletta and Monopoli) organized the dissemination event [“The cooperation among the ports of the lower Adriatic and the upper Ionian: from the Programme INTERREG 2014/2020 to 2021/2027”](#), at the **Cruise Terminal of the Port of Bari, Italy**. The initiative, organized within the framework of the GUTTA, INTESA, SUSPORT, PROMARES projects financed by the Interreg V-A Italy-Croatia Cross-border Cooperation Programme 2014-2020, and the EFINTIS project (INTERREG IPA CBC Italy-Albania-Montenegro Programme 2014/2020), was an opportunity to discuss the results achieved in the maritime and port sector through the various INTERREG projects of the 2014-2020 period and to promote future cooperation between the ports involved (Dubrovnik, Bar, Durres, Vlora, Igoumenitsa, Corfu, Termoli, Taranto and the Apulian ports of the southern Adriatic Sea). During the event, GUTTA project had the possibility to present its results.

The conference had 63 registered participants attending in presence or remotely. the target groups and stakeholders reached during this event were mainly from local, regional and national public authorities, such as port authorities (port of Bar, port of Dubrovnik, Durres port authority), Regione Puglia – Dipartimento mobilità, Asset Regione Puglia, Regione Molise etc, education and training organizations (mainly universities), and the media.

For further detail, see RP7 report on communication activities.

### 3.7 Event #8

#### ***8-12 May 2022 - 15th Baška GNSS Conference: Technologies, Techniques and Applications Across PNT and The 2nd Workshop on Smart Blue and Green***

### ***Maritime Technologies***

The University of Zadar was among the organizers of the 15th Baška GNSS Conference (8-12 May 2022). Zoran Pavin and Vlatko Knežević, from University of Zadar, GUTTA PP, attended the event as invited speakers, with the presentations: 1) Analysis of Simulated Exhaust Gas Emissions and Emissions Measured On-Board Ro-Pax Vessels (Vlatko Knežević\*, Josip Orović, Marko Valčić, Zoran Pavin); 2) Impact of Environmental Loads on Ship Speed Based on Simulated Data (Zoran Pavin\*, Marko Valčić, Josip Orović, Vlatko Knežević).

The event had 70 conference attendees (in-person and on-line) from Europe and rest of the world (approximately ten countries including USA, UK, Norway, France, Spain, Sri Lanka, etc). Representatives of GUTTA target groups came mainly from the research & academia, and from the maritime sector. For further detail, see RP7 report on communication activities.

#### **3.7 Event #9**

#### ***14 July 2022, online event - The effects of COVID-19 lockdown on GHG emissions: which lessons to learn on the way towards decarbonization?***

The event was organized during the last reporting period of the project, in the framework of its activities (definition of contents, speakers and moderators, dissemination activities on CMCC communication channels). The event had 99 registered participants, mainly from the research and academia domain. For further detail, see RP7 report on communication activities.

## **4. Conclusions**

The events were successful in stakeholders' and target groups' engagement, as attested by our multiple, positive feedbacks: **almost 800 people reached** attending to our events in presence or remotely via Zoom and YouTube, coming from all main target groups of the projects (e.g. approximately 30 high school students – but **more than 400 students reached and engaged if we take into consideration all the events organized or attended by GUTTA PPs** / see IT\_HR\_Factsheet\_n\_7\_20210927\_Annex\_I for further details - and 90 persons from the general public; more than **300 persons from the research and academia domain**; 43 persons from local, regional and national public authorities; 48 persons from NGOs; approximately 25 persons from transport associations, etc); the presence of high-level representatives from the research domain and the maritime sector as invited speakers to our events; the media directly engaged before and during our events, as attested by interviews to our project partners and media appearances; the teachers and the students involved in our initiatives, joining our events in presence or



remotely. The inputs from the final events will be considered in view of making the legacy of GUTTA even more enduring.