

Template: narrative of the work done

Rationale of this document

This template intends to guide project partners in the completion of the narrative part of the Periodic Report (i.e. Part B, Section 1.1.2 of the Periodic Report).

Please fill out one form for each deliverable completed, milestone achieved, and any other important activity (henceforth actions) held within the WP and tasks led by your university during the last 18 months (January 2021 – June 2022). Partners are expected to fill in each section with descriptions of at least 150 – 200 words. Please feel free to add more if you consider it appropriate. Visuals included in the deliverable documents, as well as pictures taken in the celebration of the events mentioned, will be very much appreciated.

To avoid missing any important information, it is suggested to consult the following documents:

- Minutes from the monthly bilateral meetings.
- Coordination Reports.
- The 2021 Annual Internal Report.

Project milestones and deliverables are explicitly described in the Description of Action and the Project Handbook. Important activities may involve any activities of especial importance due to its public outreach or its impact.

Please consult juan.real@uca.es for further inquiries regarding activities held in the project that could fall into this category.

Identification

Please indicate the name of your:

- Deliverable:
D4.2 Pilot activities: Kieler Market Place, Transformation Labs, Science Shop, Citizen Science (M30)
- Milestone: first international Kieler Marketplace as a bi-national pilot project



Figure 1. Poster of Kiel-Gdańsk Marketplace.

Expectations at the beginning of the project

- What does the Description of Action establish in reference to this action?

The aim of WP4 is to make the Research and Innovation environment inclusive of society by:

- 1) Mapping and analyzing activities of stakeholder engagement from different fields within Alliance, which leads to the sharing of procedures and best practices
- 2) Developing, testing and evaluating concrete actions (pilots) focused on performing collaborative research and innovation, and consolidating diverse civil and academia communities in a sustainable and result-driven science exploration
- 3) Defining best practices for the involvement of citizens and other stakeholders in the agenda-setting process of tackling research challenges that correspond to that of the SEA-EU Alliance.

To fulfil this objective, several pilot activities were planned within WP 4.2, which will later be evaluated and summarized in a final publication.

This report is focusing on the pilot activity **“Kieler Marktplatz” (Market Place Event)** (CAU). Marketplace is an event to enable exchange between scientists and business people, based on presentations and discussions about actual topics. The networking character provides contacts for future cooperation and commercialization of inventions. **Two such events** were planned to be organized. The first event (this report) was taking place as a Kiel-Gdansk Market Place on May 31st 2022 in Kiel.

- Why did your university consider it relevant in the writing of the project proposal?

The Kieler Marketplace is born by the idea of cooperation and sharing of knowledge between science and business related to marine topics. Pooling people, support their interaction and lead them to their most correlating overlap in topic is the main focus of the project.

This kind of event is already established on the local level in Kiel, basing on the cooperation of Kiel university and the Maritime Cluster Northern Germany.

The proposal is basing on the intention to bring this event format to an international level, implemented by organizing an event in cooperation with an international partner.

The importance of dealing with in particular autonomous shipping and in general marine related topics, does not matter from which perspective, should not be limited within the borders of Germany rather on international grounds.

The university of Gdansk showed up as the perfectly fitting partner for the first international Kiel Marketplace due to the facts that Gdansk has a maritime industry as well as the university represents a strong interest in increasing technology transfer and business cooperation.

- Which was your vision back then regarding this action?

Co-designing, co-creating and co-delivering knowledge with and for stakeholders of science and business in context of autonomous shipping. Creating contacts for future cooperation and commercialization of inventions within the frame of smart harbour and smart shipping in dependence on autonomous shipping.

The university Gdansk figured out to be experts in smart ships – smart harbours and fit perfectly in the concept of the international Kiel-Gdansk Marketplace.

The Kiel-Gdansk Marketplace appeared with a dynamic day program including a theoretical part (presentations, discussion round), a more practical part (visit of the wavelab at FH Kiel) and ended up in a loosened networking dinner.

The possibilities of cooperation and sharing thoughts as well as knowledge was supported by the structure of the program.



Figure 2. Talks about smart shipping from experts from CAPTN initiative (Kiel), University of Gdansk and Baltic Sea & Space Cluster (Gdansk).

Methodology and development

- Once the project started, how was the activity planned?

The team of Kiel met up regularly once or twice a month. The idea was:

- Collecting of thoughts, ideas, experiences and knowledge from every single Kieler Marketplace member regarding the potential of topics, knowing of prominent experts possibly fitting in this project format.
- Visualizing the possibilities and outcome of extending the Kieler Marketplace to an international version based on the previous experiences of the last Kieler Marketplaces.

In the end the event was planned in small steps.

- a) Collecting and selecting recent possible topics
- b) Milestone decision: Topic of the event - “smart shipping”

- c) Milestone decision: Becoming partner - the University of Gdansk
Since then: virtual meetings were set up for following progress
 - d) Evaluation of possible experts of autonomous shipping from Kiel as well as from Gdansk side
 - e) Milestone decision: CAPTN as main actor and focus project
Complemented by presentations about recent research and perspectives from Gdansk side
 - f) Development of infrastructure for the event: location, technical information for participants, application format, etc.
 - g) Meanwhile program format in steady progress: (theoretical) presentation part, (practical) visits of port of Kiel and the wavelab at FH Kiel, networking in dinner atmosphere
 - h) Meanwhile evaluation of potential participants of business branch, politics and others
- Which was the methodology employed for the completion of this action?

Steady updates and progress towards the implementation of the event format via e-mail and virtual meetings.

The communication split in two: 1st internal Kiel as hosts, 2nd Gdansk + Kiel for the extended communication.

- Describe the work and meetings conducted in reference to this deliverable/milestone.
- 1) Already established core team of the Kiel Marketplace event since 2008 : Christian-Albrecht-University (CAU) – Kiel Marine Science (KMS), Wissenschaftszentrum (WiZe), Martimes Cluster Norddeutschland (MCN).
 - 2) Decision about the first **international** Kieler Marketplace
 - 3) **19.11.2021** first contact with Gdansk University as international partner

Brainstorm and decision making within following virtual meetings:

13.01.2022 - Decision-making process about the topic: “Smart shipping”
09.03.2022 – possible event format including scientific presentations from Kiel and Gdansk speakers, discussion, possible site visit of port (and others), preparation of first draft program, first thoughts about possible invitations and speakers, infrastructural process from Kiel side (location, transport, catering etc.).

01.03.2022 – event date 31th may, a one day event, final decision of the topic: “smart shipping – smart ship, smart harbour” (main topic with two subtopics), distribution of talks; creational program progress, including talks, visits, networking, personal interaction

16.03.2022 – decision about talks and the main speakers Kiel: CAPTN initiative; Gdansk: University Gdansk and Baltic Sea & Space Cluster,

clarifying participation list

12.04.2022 – progress of program, technical information, final participants list, finalisation of program

9) **07.07.2022** – Feedback meeting Kiel internal

10) **08.07.2022** – Feedback meeting Kiel-Gdansk and reSEARCH-EU

Challenges found and solutions proposed

- What have been the main difficulties you have faced to achieve the proposed objectives?
 - a) To reach all members in time, to achieve a steady response frequency and hold everyone on the same page with steady progress
 - b) The application format could have been better organized. Some people were not able to join due to the assumption of a day event and no option of joining partwise.
 - c) Less external participant appeared than expected from Gdansk side, what resulted in a less bi-national exchange
 - d) The presence of external experts and participants appeared inconstant, what created the exchange more difficult.
- How did you get over the obstacles found along the way?

Talking and finding solutions between the organizers. Focusing on experiences and profession of every member.

- If you could start over with this action, what would you do differently?

To b): application possibilities for single program blocks (morning, midday, evening), earlier opening of the application tool.

To c): more commitment with the application as well as more input in the network with business partners.

To d): more involvement of externals from our side as host, more proactive initiation of possibly good fitting contacts between all participants. A format with more commitment.

Results obtained

- Which have been the main results obtained because of the Task where the referred action is included?

Participants from science and business were able to inform, exchange and discuss the topic of smart shipping from different perspectives.

During the discussion, it was possible to figure out some pro and cons of autonomous shipping as well as borders in implementation.

The external Gdansk perspective and needs were clearly articulated as well as the possible option for support each other what appeared especially in further networking through different institutions.

It was possible to underline the theoretical information during the talks with already implemented modelling structures at the university of applied sciences as well as applications in the port of Kiel.

Figure 4. Wave lab at university of applied sciences in Kiel with a model of a autonomous ferry by CAPTN.

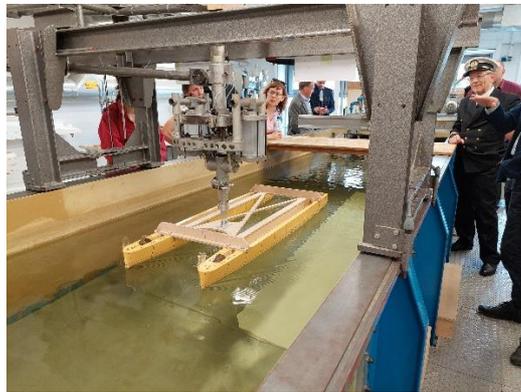




Figure 3. Port of Kiel with a already implemented land power station.

Recently active data collection on the Kiel fjord ferry could be witnessed, as well as the experience of the already developing technic from the Kiel fjord ferries from combustion engine to the new e-engine, respectively hybrid engine.

- How has this action been beneficial for the project partners individually?

From Kiel perspective: overview of the work in Gdansk according to smart shipping respectively autonomous shipping. Exchange of thoughts and critical discussion about the implementation and further success.



Figure 4. Discussion round.

- How has this action been beneficial for the consortium?
 - 1) The next Kiel Marketplace will be announced to all partners (national and international) with the offer to contribute
 - 2) Experiences and methodologies will be included in the final report (end 2023)

Quality self-assessment

- Considering the objectives of the Transformative Module where the action is located (see Project proposal, Part B, page 9/66), to what extent do you consider that such objectives have been met?

This activity is contributing to two transformation modules from the proposal: transformation modul (4): reinforcing cooperation with non-academic actors, esp. academia-business cooperation; and transformation modul (6) involvement of citizens, civil society and public/cities authorities in research and innovation

- In the light of the impact sought in the Transformative Module (see Project proposal, Part B, page 19/66), how has this action contributed to their achievement?

This event contributed to strengthen business-academia partnerships, which is one of the key priorities of the reSEArch-EU project aiming at maximising the local/regional and global competitiveness. With the example of the CAPTN initiative on autonomous shipping in Kiel, the importance of place-based innovation ecosystems was shown to be critical to enable university, industry and the small and medium-sized enterprises in reaching their full potential. CAPTN is an excellent example of a strong regional cooperation, which could be presented to the visitors from Gdansk.

Also the activity was in strong relation to Transformation modul (6): Both Kiel and Gdansk are located in coastal regions that share strong geographical, historical and social similarities. They are regions that have always been characterised by a high mobility of goods and people. By the Market Place activity, smart shipping was clearly shown as an important approach to develop a sustainable future mobility in both cities.

- How could the quality of the results have been better, should you repeat the experience from scratch?

To raise the number of participants: Spending more time in the outreach of the project reasoned in the fact that high mobility of goods and people are concerning all of us; To make it even more attractive to share knowledge, support the creation of research issues and transformation practice in any cases through high motivation and inspiring perspectives.

- How could the results obtained be further exploited and sustained over time?

Offering a frame for a comfortable, secure and inspiring environment. Steady updates of the development from the perspective of all stakeholders interests within their market needs and scientific progress. Catching up with individual changes in needs. Frequently getting together for being in touch in person for deepening a longterm attachment. Beside a general support of networking and transformation processes.

Expectations for the next reporting period

- Which are the main actions foreseen in the WP and tasks led by your university in the next reporting period?
- How are they connected with the activities conducted during this reporting period?
- Which are your overall expectations for your WP/led tasks in the next reporting period?
- Should there be a new call for the Research Area of the European Universities, what would you consider relevant to have included to sustain and improve the results obtained in reSEArch-EU?

The next Kiel Marketplace (2023) will be announced to all partners (national and international) with the offer to contribute. Experiences and methodologies will be included in the final report (end 2023) .



Figure 6. Group of experts of the Kiel-Gdansk-Marketplace 2022.