Intelligent Motion Control under Industry 4.E

D1.3 - Project website functional

Due Date: M4 – 2021-12-31

Abstract:

This document gives a general review of the IMOCO website which is available at https://www.imoco4e.eu/ and provides the necessary functions and information to act as a dissemination strategy tool and information recourse of the project. The website will be used by the consortium as well as external stakeholders, to disseminate the project's activities, outputs, findings and the whole research progress of the project.

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Project Information

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Type of Contribution	
Partner	**Description of Contribution To Contents**
SIOUX	Selection of the website platform and functions
ITML	Collection of the website content

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List of Figures

Executive Summary

Deliverable D1.3 “Project Website Functional” is produced within Work Package 1 (Project management and liaison with other Lighthouse projects) of the IMOCO4.E project, under Task1.1.

This document gives a general review of the IMOCO4.E website which is available at https://www.imoco4e.eu/ and provides the necessary functions and information to act as a dissemination strategy tool and information recourse of the project. The website will be used by the consortium as well as external stakeholders, to disseminate the project’s activities, outputs, findings and the whole research progress of the project.

The main content, functions and the usability of the website will continue to be managed, improved and edited during the project lifetime. Thus, certain menus and images shown in this deliverable are going to change.

1. Introduction

1.1 Purpose of the Document

This document presents the website of the IMOCO4.E project as a dissemination and communication strategy tool for worldwide audience, comprising a comprehensive provision of information, as well as a shared platform for the project team. The IMOCO4.E website address and links to social media pages will be included in all dissemination materials of the project (fliers, leaflets, posters, newsletters and other promotional material).

1.2 Structure of the Document

The document is structured in a way similar to how a visitor would navigate in the project's webpages; it presents the components of the IMOCO4.E website with images as screenshots of the pages, starting from the website home page, the "OVERVIEW" tab and all relevant sub-tabs (About, Platform, Use Cases, Consortium), the "NEWS" tab, the "DOWNLOADS" tab and its subcomponents (Deliverables, Publications, Multimedia) and finally the "CONTACT US" tab.

1.3 Intended readership

This document is intended for both consortium members and external to the project stakeholders, since it comprises a rich information content platform about the project's main principles, components, participants, latest news and upcoming actions.

2. Website Home Page

The "Home" page of the IMOCO4.E (https://www.imoco4e.eu/) website serves the following functions:

- ✓ It provides access to the other sections of the website (main menu);
- ✓ It presents a short overview of the IMOCO4.E project, the main scope and objectives;
- ✓ It informs about the latest news and events and also for the upcoming events
- ✓ It provides links to IMOCO4.E's social media accounts.
- ✓ It provides link to IMOCO4.E newsletter subscription

The IMOCO4.E Home Page is presented in **Figure 1.**

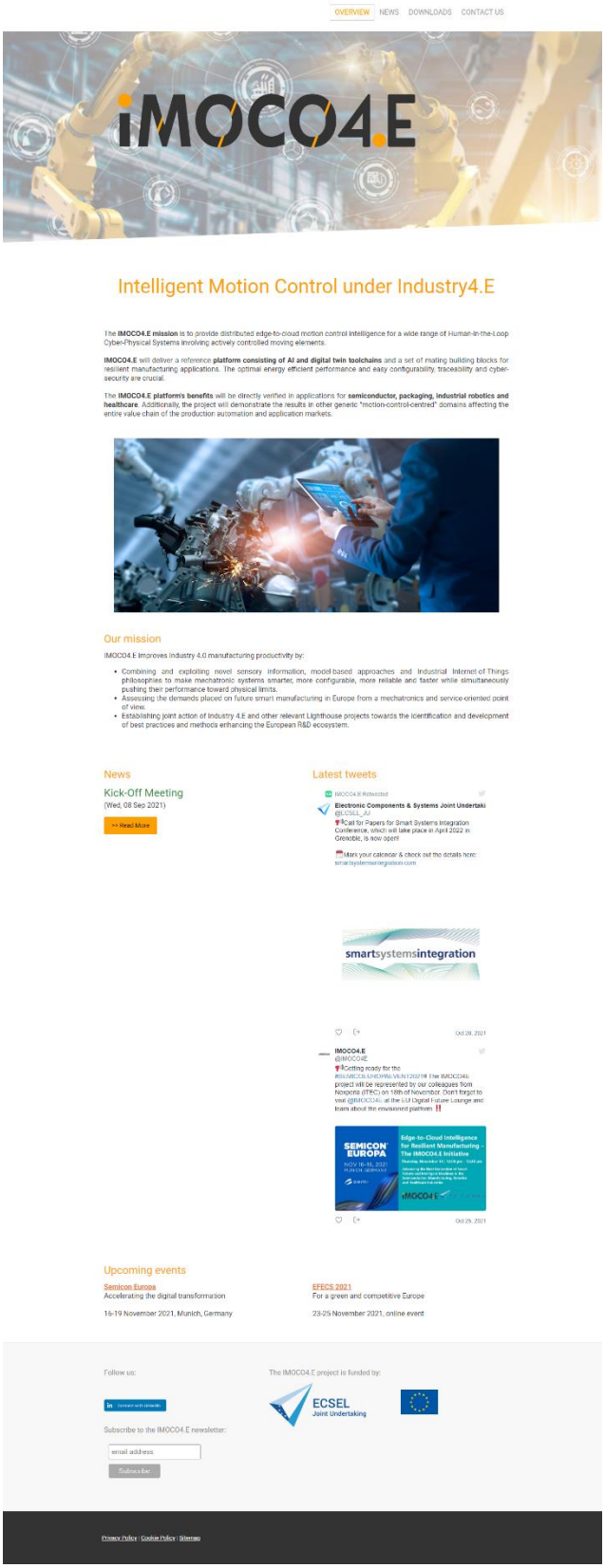

Figure 1: IMOCO4.E Home Page

3. Overview Page

The Overview Tab contains four (4) different subsections:

- ✓ "About" subsection
- ✓ "IMOCO4.E Platform" Subsection
- ✓ "Pilots, Demonstrators & Use Cases" Subsection and
- ✓ "Consortium" Subsection

Below we provide details for each of the above.

3.1 "About" IMOCO4.E Subsection

The "About" tab of the IMOCO4.E website presents four components (Figure 2):

- ✓ The Mission,
- ✓ The Impact
- ✓ The Scientific & technical development objectives and
- ✓ Work Package Structure

Figure 2: IMOCO4.E About Page

3.2 IMOCO4.E Platform Subsection

In this page we present the reference IMOCO4.E Platform and how technological layers are connected with the Building Blocks, the Pilots and Demonstrators **(Figure 3)**.

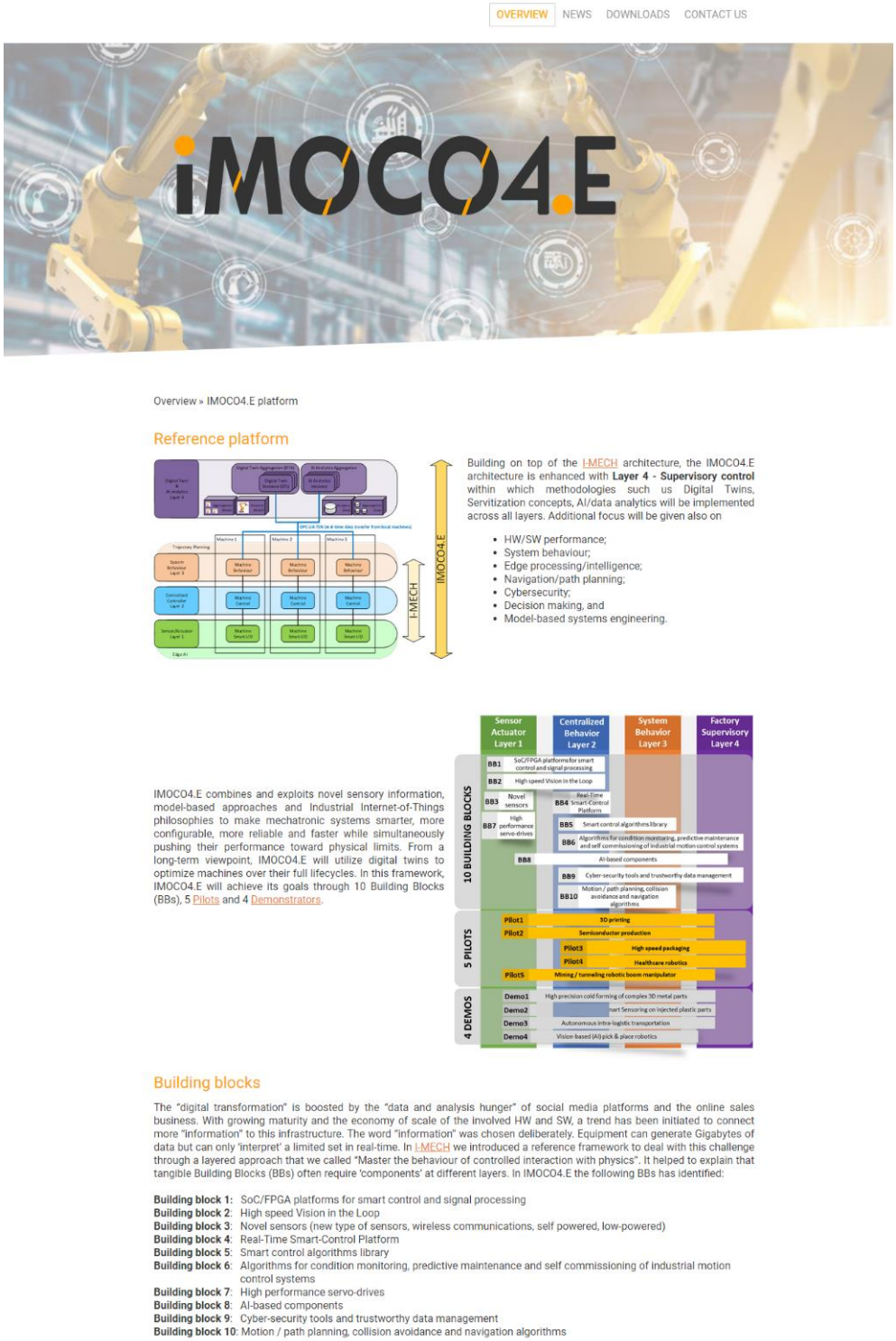

Figure 3: IMOCO4.E Platform Page

3.3 IMOCO4.E Pilots, demonstrators & use-cases Subsection

In this page we describe the pilots, demonstrators and use-cases that will be implemented within IMOCO4.E project in order to validate and evaluate the IMOCO4.E integrated solution (**Figure 4**).

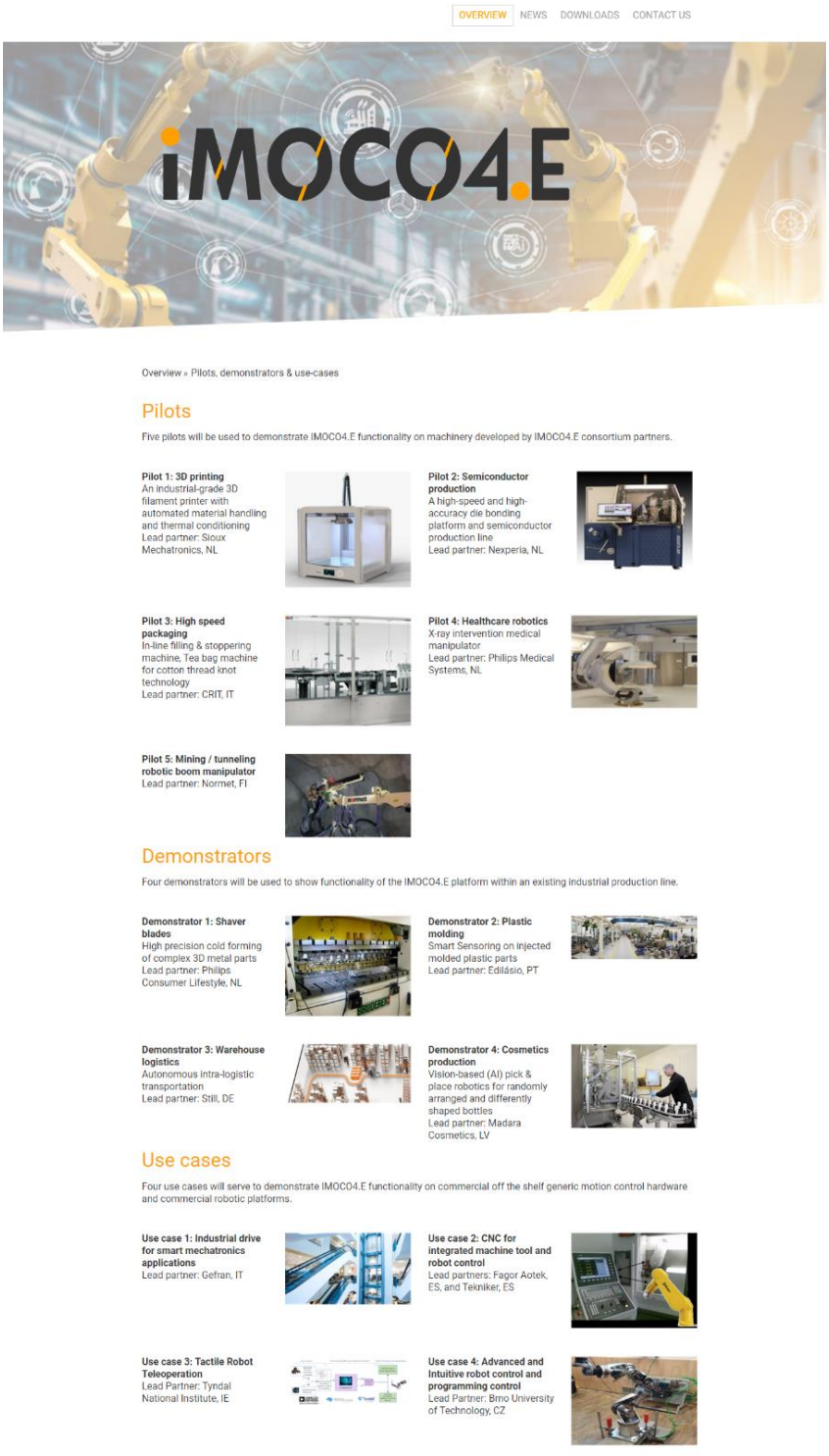

Figure 4: IMOCO4.E Pilots, Demonstrators, Use cases Page

3.4 IMOCO4.E Consortium Subsection

The "Consortium" tab of the IMOCO4.E website presents key facts for the project and a map of EUROPE that highlights 13 countries that IMOCO4.E partners are coming from. In this page, we also provide all 46 project partners logo and by clicking on each logo, redirects the user to the partner's official website, where further information about the company can be found (Figure 5).

Figure 5: IMOCO4.E Consortium Page

4. News Page

The "News" tab of the IMOCO4.E website provides information in relation to various project events and meetings (**Figure 6**).

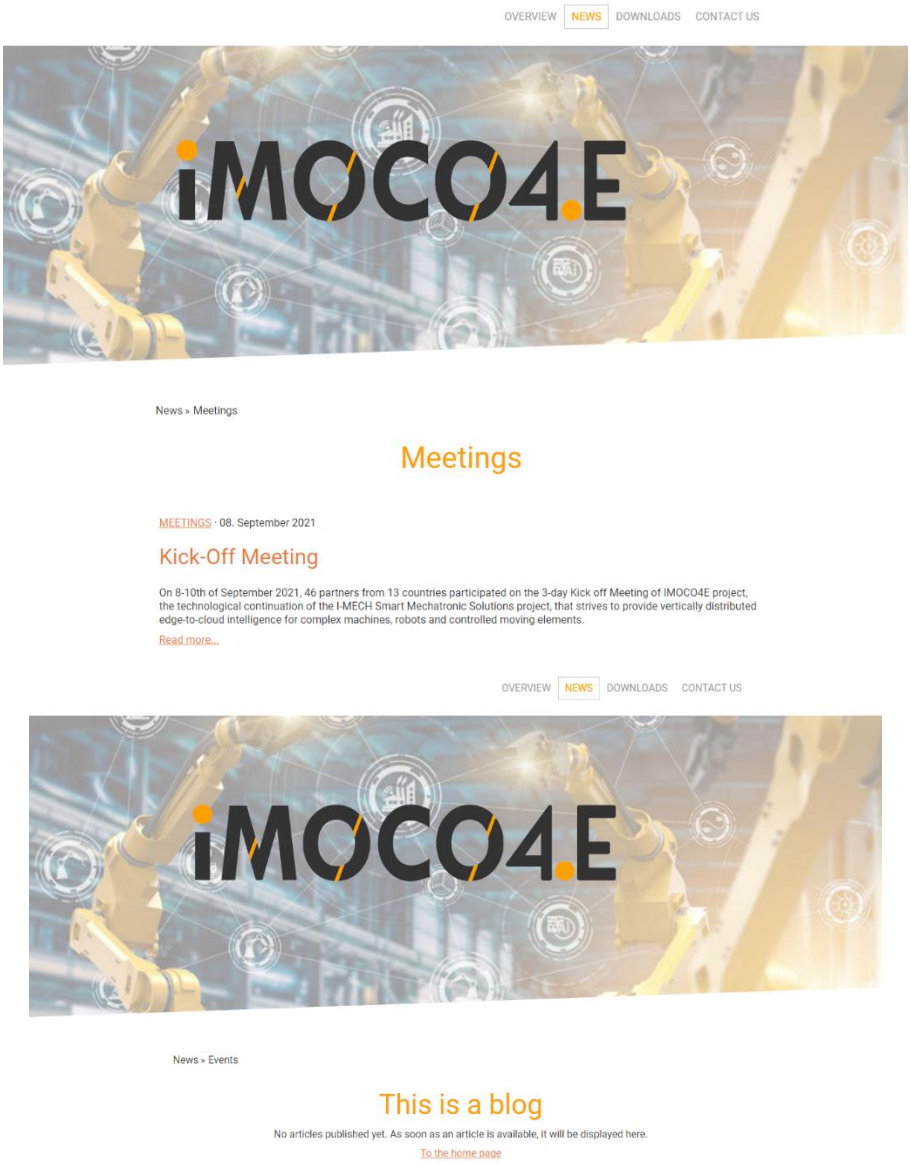

Figure 6: IMOCO4.E News Page

5. Downloads Page

The IMOCO4.E project will publish information and results through various channels. All deliverables of the project are listed on the website and public deliverables will be published on this website (**Figure 7**). The IMOCO4.E project will also disseminate knowledge through publications in scientific journals and magazines, participation in events, international fairs and conferences, trainings and seminars.

Downloads > Deliverables

Deliverables

ID	Title	Type	Dissemination level
D1.1	Project management and quality assurance plan	Report	Confidential
D1.2	Project portal	Other	Confidential
D1.3	Project website	Other	Public
D1.4	Midterm report	Report	Confidential
D1.5	Midterm progress report	Report	Confidential
D1.6	Midterm report	Report	Confidential
D1.7	Overview of connections with other Industry4.E initiatives	Other	Public
D1.8	Project evaluation	Other	Classified
D2.1	State-of-the-art methods in Digital Twinning for motion-driven high-tech applications	Report	Public
D2.2	Needs for future smart production in Europe from the mechatronics and robotic point of view	Report	Public
D2.3	Overall requirements on IMOCO4.E reference framework	Report	Public
D2.4	General specification and design of IMOCO4.E reference framework	Report	Public
D3.1	Perception and instrumentation Layer requirements and specifications (first iteration)	Report	Public
D3.2	Perception and instrumentation Layer requirements and specifications (final iteration)	Report	Public
D3.3	Novel low/self powered real-time sensors (BB3)	Demonstrator	Confidential
D3.4	New SoC+FPGA and multi-many core platforms for AI and smart data processing (BB1)	Demonstrator	Confidential
D3.5	AI based high speed perception and vision (BB2, BB8)	Demonstrator	Confidential
D3.6	High Performance servo drives, variable speed drives (BB7)	Demonstrator	Confidential
D3.7	Final design report on Perception & Instrumentation Layer	Report	Public
D4.1	Requirements for advanced motion control (first iteration)	Report	Public
D4.2	Requirements for advanced motion control (final iteration)	Report	Public
D4.3	Design report on intelligent motion control algorithms	Report	Confidential
D4.4	Report on multivariable motion control and data-driven learning	Report	Confidential
D4.5	Development guideline report on path planning, collision avoidance, and navigation	Report	Confidential
D4.6	Software for predictable multi/many core edge platforms	Report	Confidential
D4.7	Report on Appropriate XIL toolchain for optimized design of motion control algorithms	Report	Confidential
D4.8	Final design report on advance control layer development final report	Report	Public
D5.1	Integral (system level) requirements for valuable twinning methods (first iteration)	Report	Public
D5.2	Integral (system level) requirements for valuable twinning methods (second iteration)	Report	Public
D5.3	Trustworthy and Secure Dataset management, storage and processing tools	Demonstrator	Confidential
D5.4	Algorithms for condition monitoring, predictive maintenance and self-commissioning of industrial motion control systems	Demonstrator	Confidential
D5.5	Modelling and simulation of complex multi-axis systems	Report	Confidential
D5.6	Augmented and virtual reality through digital twins	Report	Confidential
D5.7	AI methods for monitoring and predictive maintenance at higher IMOCO4.E layers	Demonstrator	Confidential
D5.8	Report on digital twins, corresponding supporting technologies and their interaction with the cloud	Report	Public
D6.1	Guideline of IMOCO4.E methodology and toolchains	Report	Public
D6.2	Digital integration plan	Report	Public
D6.3	Test benchmarking and strategy	Report	Confidential
D6.4	Validation reports (first iteration)	Report	Confidential
D6.5	Evaluation and test reports (first iteration)	Report	Confidential
D6.6	Validation reports (final iteration)	Report	Confidential
D6.7	Guideline of IMOCO4.E methodology and toolchain (final version)	Report	Confidential
D6.8	Platform deployment with commercial products and robotic platforms (first, final version)	Report	Confidential
D6.9	Digital Twin integration (final report)	Report	Public
D6.10	Evaluation and test reports (final iteration)	Report	Confidential
D7.1	Definition of the pilots	Report	Confidential
D7.2	Definition of demonstrators	Report	Confidential
D7.3	Pilot 1: integration and validation report (initial version)	Report	Confidential
D7.4	Pilot 2: integration and validation report (initial version)	Report	Confidential
D7.5	Pilot 3: integration and validation report (initial version)	Report	Confidential
D7.6	Pilot 4: integration and validation report (initial version)	Report	Confidential
D7.7	Pilot 5: integration and validation report (initial version)	Report	Confidential
D7.8	Pilot 1: integration and validation report (final version)	Demonstrator	Confidential
D7.9	Pilot 2: integration and validation report (final version)	Demonstrator	Confidential
D7.10	Pilot 3: integration and validation report (final version)	Demonstrator	Confidential
D7.11	Pilot 4: integration and validation report (final version)	Demonstrator	Confidential
D7.12	Pilot 5: integration and validation report (final version)	Demonstrator	Confidential
D7.13	Demo 1: integration and validation report (initial version)	Report	Confidential
D7.14	Demo 2: integration and validation report (initial version)	Report	Confidential
D7.15	Demo 3: integration and validation report (initial version)	Report	Confidential
D7.16	Demo 4: integration and validation report (initial version)	Report	Confidential
D7.17	Demo 1: integration and validation report (final version)	Demonstrator	Confidential
D7.18	Demo 2: integration and validation report (final version)	Demonstrator	Confidential
D7.19	Demo 3: integration and validation report (final version)	Demonstrator	Confidential
D7.20	Demo 4: integration and validation report (final version)	Demonstrator	Confidential
D7.21	Best practices learned from Pilots and Demos	Report	Public
D8.1	Dissemination and exploitation plan	Report	Confidential
D8.2	Stakeholders engagement (initial version)	Report	Confidential
D8.3	Dissemination and communication activities	Report	Confidential
D8.4	Stakeholders' engagement, exploitation and standardization activities	Report	Confidential
D8.5	Training activities	Report	Public
D8.6	The IMOCO4.E center	Report	Classified
D8.7	The IMOCO4.E eBook	Report	Public
D8.8	The final IMOCO4.E sustainability plan towards business continuation	Report	Classified
D8.9	Collaboration portal and sustainability via Lighthouses	Report	Public

Figure 7: IMOCO4.E Deliverables page

6. Contact Us Page

In this page we encourage the user to connect with us and subscribe to our newsletter in order to be informed about project updates, breakthroughs and outcomes (**Figure 8**).

Figure 8: IMOCO4.E Contact Us Page

Conclusion

The IMOCO4.E website has been created by SIOUX, responsible for deliverable D1.3, with the support of ITML. The website will be continuously managed by SIOUX and ITML throughout the project duration and will be maintained three years beyond the end of the project. The project website will act as a project management tool and an information repository, and together with the social media channels (LinkedIn and Twitter) will serve as a dissemination tool during and beyond the end of the project.