CoCliCo

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Full-Track webplatform e-guidelines

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D7.9 Full-Track webplatform e-guidelines The objective of this deliverable (D7.9) is to develop a comprehensive set of 'How-to-Use' e-Guidelines for the CoCliCo Full-Track web platform. These guidelines aim to facilitate user engagement by providing clear instructions on how to navigate, interpret, and utilise the various data, features, and analytical tools available within the platform. This deliverable builds upon previous user guidance documents (D2.3, MS2.4, MS2.5) and ensures that users can fully exploit the platform?s capabilities in a transparent and effective manner.

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coastal climate core services

CoCliCo's eGuidelines

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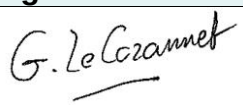
Project Coordinator WP Leader	Gonéri Le Cozannet		28/02/2025

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Executive summary

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1. Introduction

The CoCliCo platform provides a comprehensive suite of tools for understanding and managing coastal climate risks. As part of the project's efforts to enhance accessibility and usability, the 'How-to-Use' e-Guidelines have been developed to guide users through the platform's features and datasets. These guidelines aim to support various stakeholders—including policymakers, researchers, and urban planners—in effectively utilising the platform for climate adaptation and risk management.

A key component of these guidelines is the User Handbook, which serves as a centralised resource, providing in-depth explanations of all aspects of the platform, including data sources, methodologies, and practical applications. The handbook also consolidates the six User Stories, which illustrate real-world use cases and step-by-step instructions tailored to different user needs. The User Story e-Guidelines have been published on the News section of the website, as this has been the main source of truth for users until now.

The User Story e-Guidelines and User Handbook are designed to be user-friendly, integrating step-by-step written instructions, simple video tutorials, and visual diagrams. They are structured to cater to both novice and experienced users, ensuring a smooth onboarding process and ongoing support for advanced functionalities.

2. Objectives

The 'How-to-Use' e-Guidelines are designed to:

- Provide clear, step-by-step instructions for users accessing and utilizing the CoCliCo web platforms.
- Enhance transparency by explaining the methodologies, data sources, and assumptions underlying the platform's functionalities.
- Support decision-making processes for stakeholders, including researchers, policymakers, and private sector entities concerned with coastal adaptation.
- Ensure accessibility through user-friendly formats, including step by step written instructions, video tutorials, and online help sections.

3. Approach and Methodology

To develop the e-Guidelines, the following approach was implemented:

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1. **User Needs Assessment**
    a. Feedback from stakeholder workshops and user testing sessions was gathered through WP1 and WP2 to identify common challenges and requirements. This informed the User Stories, and subsequently, what users would be most interested in using the platform for, so helped to focus our attention on where needs the most detailed explanation.
    b. Insights from previous deliverables were integrated to refine guidance materials.
2. **User Stories Integration**
    a. The e-Guidelines were structured around six User Stories to guide users through the most integrated datasets and actions.
    b. These User Stories were selected based on stakeholder input and user testing, ensuring alignment with user needs.
    c. Each User Story follows a consistent format, providing step-by-step guidance on. The 6 User Stories are:
        i. **Sea level rise projections**
        ii. **Inundation distribution during a flood event**
        iii. **Building exposure**
        iv. **Projections of exposed people**
        v. **Damage costs of exposed infrastructures**
        vi. **Adaptation based on cost-benefit analysis**
3. **Format and Dissemination**
    a. Guidelines were produced in two formats:
        i. Blogs in the News sections of the CoCliCo website (User Story E-guidelines)
        ii. Web-based interactive guide, centralised in one place that is linked to the platform (User Handbook)
4. **Validation and Testing**
    a. Beta versions of the e-Guidelines were tested with a selected user group (validation workshops on 4 & 5 March).
    b. Feedback was incorporated to refine and improve content clarity.
    c. Although this report has been submitted with Version 1 of the guidelines, we expect to fine tune them until May following feedback and further platform developments, ahead of the public launch in June

4. Key Features of the 'How-to-Use' e-Guidelines

- **User Story-Based Walkthroughs:** Each User Story provides a structured guide to specific platform functionalities.
- **Step-by-Step Platform Usage:** Users can follow clear instructions to access datasets, select scenarios, analyse visualisations, and export data from the STAC

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catalogue, or perform further analysis through the Workbench, as referenced in the User Story e-Guidelines and User Handbook.

- **Interactive Help Tooltips:** Context-sensitive explanations integrated into the platform UI through “info” buttons.

5. Implementation and Integration

The e-Guidelines have been successfully integrated into the CoCliCo Full-Track web platform through the User Handbook. They also reference key elements of the broader CoCliCo ecosystem, including the Workbench and STAC catalogue, which provide additional functionalities for more technical users. Future updates will align with new features and user feedback to ensure continued relevance and usability. Additional training materials and webinars will be provided as part of ongoing dissemination efforts.

5.1 User Story E-guidelines

As the website has main source of truth for the project until now, it was important to include the e-guidelines there, as that is where most users are familiar with going to find out information about the project. Therefore, we posted each of the user story guidelines individually there.

User Stories are ready-made map datasets in the CoCliCo platform. They combine different types of important information to show scenarios for coastal risk resulting from sea-level rise, floods and / or erosion. These layers make complex analyses easier and help users to quickly get a sense of coastal risks.

User research showed that policymakers need clear, actionable data for flood directives, while urban planners want tools to assess local risks, and where infrastructure managers focus on long-term resilience planning. These insights helped shape User Stories to provide accessible, scenario-driven visualizations for diverse decision-making needs. There are six User Stories:

1. Sea level rise projections
2. Inundation distribution during a flood event
3. Building Exposure
4. Projections of Exposed People
5. Damage costs of exposed infrastructures
6. Adaptation based on cost-benefit analysis

Each user story covers the following sections:

- Introduction to the user story
- Step-by-Step of how to use it on the platform, aided by a video tutorial
- Target Users, Intended Use & Key Benefits
- Example of use
- Data, Methods, Model Overview & Limitations, supported by a diagram showing the data sources in each particular user story

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- Further Analysis

You can access them all here: https://coclicoservices.eu/news/

5.2 User Handbook

The CoCliCo project offers a comprehensive "User Handbook" designed to provide in-depth guidance on utilizing the platform's features and understanding its data offerings. This handbook serves as a centralised resource, detailing various aspects of the platform to assist users in effectively leveraging its capabilities.

Key Components of the User Handbook:

1. **Getting Started:** A step-by-step guide to navigating the CoCliCo platform, activating data layers, applying filters, and comparing results. Learn how to interact with the interface, visualize coastal climate data, and access raw data for further analysis.
2. **Target Users:**
    a. **Stakeholder Profiles:** Descriptions of primary user groups, including policymakers, local authorities, coastal managers, and researchers.
    b. **Use Cases:** Examples illustrating how different stakeholders can apply the platform's tools and data to meet their specific needs.
3. **Data Catalog:**
    a. **Dataset Inventory:** Comprehensive list of available datasets, covering sea level rise projections, coastal hazards, exposure metrics, and adaptation strategies. All available in the STAC catalogue.
    b. **Metadata Details:** Information on data sources, collection methodologies, and temporal/spatial coverage.
4. **Understanding the Data:**
    a. **Data Interpretation Guides:** Detailed explanations on how to read and analyze various user stories, data layers, and projections are provided, helping users understand the context and applications of the data.
    b. **Methodological Insights:** Overview of the scientific models and assumptions underpinning the datasets.
5. **Workbench:**
    a. **Interactive Tools:** The Workbench offers tutorials and exploratory tools, enabling users to analyze platform data. Users can engage with the workbench online via Google Colab or offline by setting it up locally.

The User Handbook is accessible online and is structured to cater to both novice and experienced users, ensuring a smooth onboarding process and ongoing support for advanced functionalities. By consolidating all essential information into a single resource, the handbook enhances user autonomy and proficiency in utilising the CoCliCo platform for coastal climate resilience planning.

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For more detailed information, please visit the CoCliCo User Guide:
https://www.openearth.nl/coclico-workbench/

6. Conclusion and Future Work

The development of the 'How-to-Use' e-Guidelines represents a critical step in ensuring user engagement and effective utilisation of the CoCliCo web platforms. Moving forward, continuous updates, user feedback integration, and enhanced training sessions will further support users in leveraging the platform for coastal adaptation planning.

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