CO_2 Human Emissions

Project Website

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che-project.eu

Co-ordinated by ECMWF

CO_2 Human Emissions

D7.2 Project Website

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CHE: CO2 Human Emissions Project

Coordination and Support Action (CSA)
H2020-EO-3-2017 Preparation for a European capacity to monitor CO2 anthropogenic emissions

Project Coordinator: Dr Gianpaolo Balsamo (ECMWF)
Project Start Date: 01/10/2017
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Published by the CHE Consortium

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Table of Contents

Figures

1 Executive Summary

As per the Dissemination and Exploitation Plan (D7.3) the project website will be a major dissemination instrument. As such, the website will be an important tool for maintaining the coherence of the full project and for promoting its progress across the many stakeholders, as well as providing a project interface to the wider public.

The CHE project website can be accessed via www.che-project.eu. It is the main dissemination tool for the project and provides project-external sections. It is to be updated regularly, both throughout the lifetime of the project and thereafter. It contains information on the project, news and events, resources (including public deliverables), data portal, amongst others.

2 Introduction

2.1 Background

CHE, as a Coordination and Support Action, is bringing together European expertise and a consolidated approach to building an operational CO_2 emission monitoring capacity. CHE partners are at the forefront of developments in the compilation of emission inventories, the observation of the carbon cycle from ground-based and satellite measurements, the process modelling of the carbon cycle, atmospheric transport modelling, and data assimilation and inversion systems. There will be four main areas of work covering: observations, emission inventories, modelling and inversion systems.

The central questions that CHE will address are:

- What does it take to have a combined bottom-up and top-down estimation system capable of distinguishing the anthropogenic part of the CO2 budget from the natural fluxes?
- How can we make the first steps towards such a system that can use the high spatial and temporal resolution of satellite observations to monitor anthropogenic emissions at the required time scales?
- And what does it take to transform a research system into a fully operational monitoring capacity?

CHE will support a large community by providing a library of realistic CO2 simulations from global to city scale to examine the capacity for monitoring future fossil fuel emissions and to adequately dimension space mission requirements.

2.2 Scope of this deliverable

2.2.1 Objectives of this deliverables

D7.2 outlines the structure of the CHE Project Website and provides illustration of pages which are being constructed in support of the project.

2.2.2 Work performed in this deliverable

For this deliverable, two agencies where appointed to carry out i) the design work and ii) the implementation work. Input was provided by the coordinator on the design as well as structure and content of the website.

2.2.3 Deviations and counter measures

No deviations have been encountered.

3 The CHE Project Website

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The CHE project website can be accessed via www.che-project.eu. It is the main dissemination tool for the project and provides project-external sections.

The website structure is as follows:

|- Home

- |- About
  - |- Introduction
  - |- Structure
  - |- Consortium
  - |- Partners
    - |- ECMWF
    - |- ADS SAS
    - |- ADS GMBH
    - |- CMCC
    - |- DLR
    - |- EMPA
    - |- EUMETSAT
    - |- iLab
    - |- JRC
    - |- KNMI
    - |- CEA
    - |- ULUND
    - |- MPG
    - |- NILU
    - |- SPASCIA
    - |- SRON
    - |- TAS
    - |- TNO
    - |- UEA
    - |- UB
    - |- ULEIC
    - |- WU
- |- News
- |- Events

|- Resources

|- Data Portal

|- Contact form (with standard items and drop down menu)

All pages allow sharing via social media networks such as Facebook, Twitter, Instagram, and Google+.

In the following we will present illustrations of the various project website sections.

3.1 Home Page

The Home Page is the starting point for the project website.

Figure 1: Home

It provides the entry points for the sections “About”, “News”, “Events”, “Resources” and “Data Portal” via the top bar, and highlights from “About”, “News” and “Events” presented on the page. In addition, a facility for newsletter subscription is provided.

3.2 About

The “About” section provides information on the project, and has the subsections “Introduction”, “Structure”, “Consortium” and “Partners”.

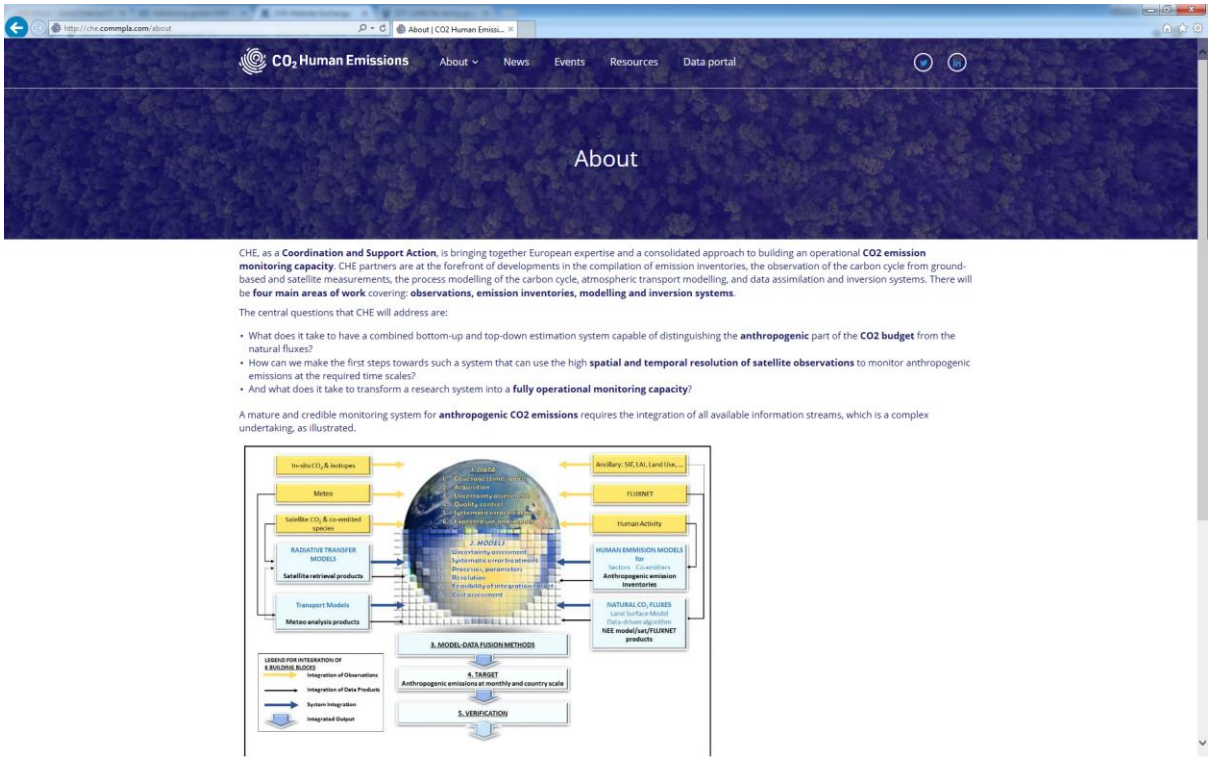

Figure 2: About

3.2.1 Introduction

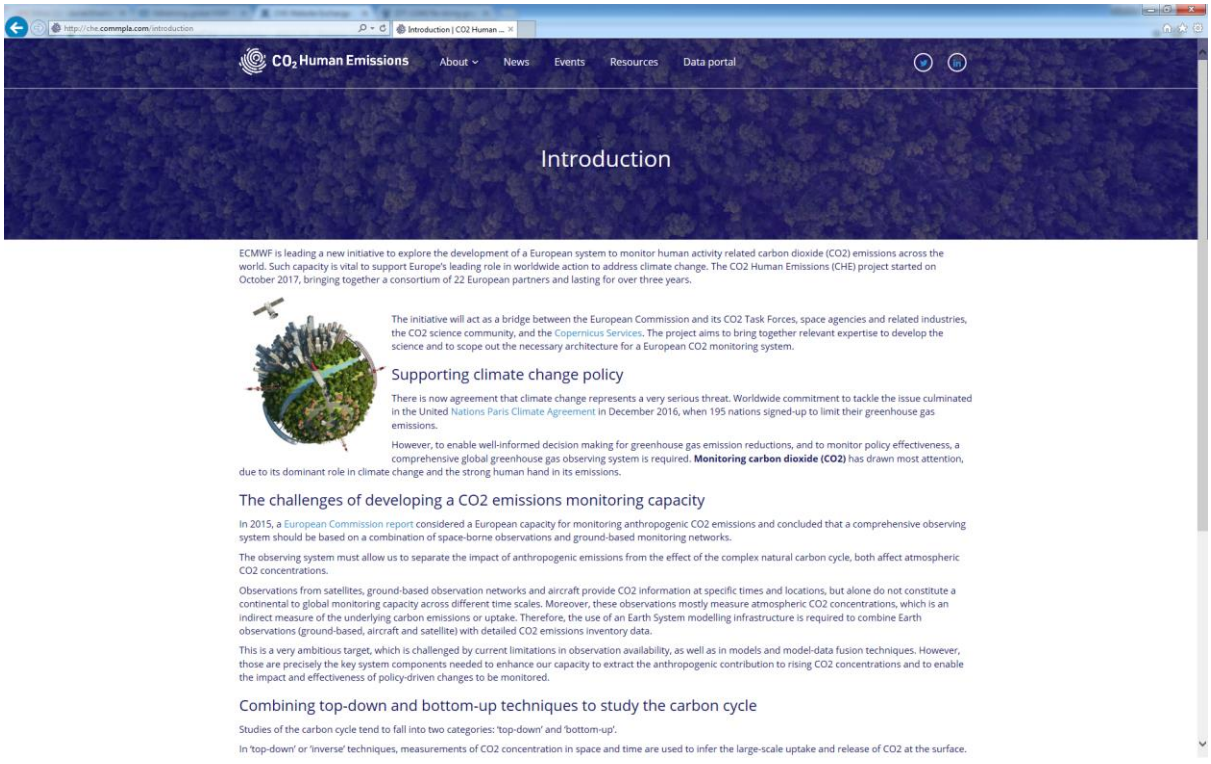

Figure 3: Introduction

3.2.2 Structure

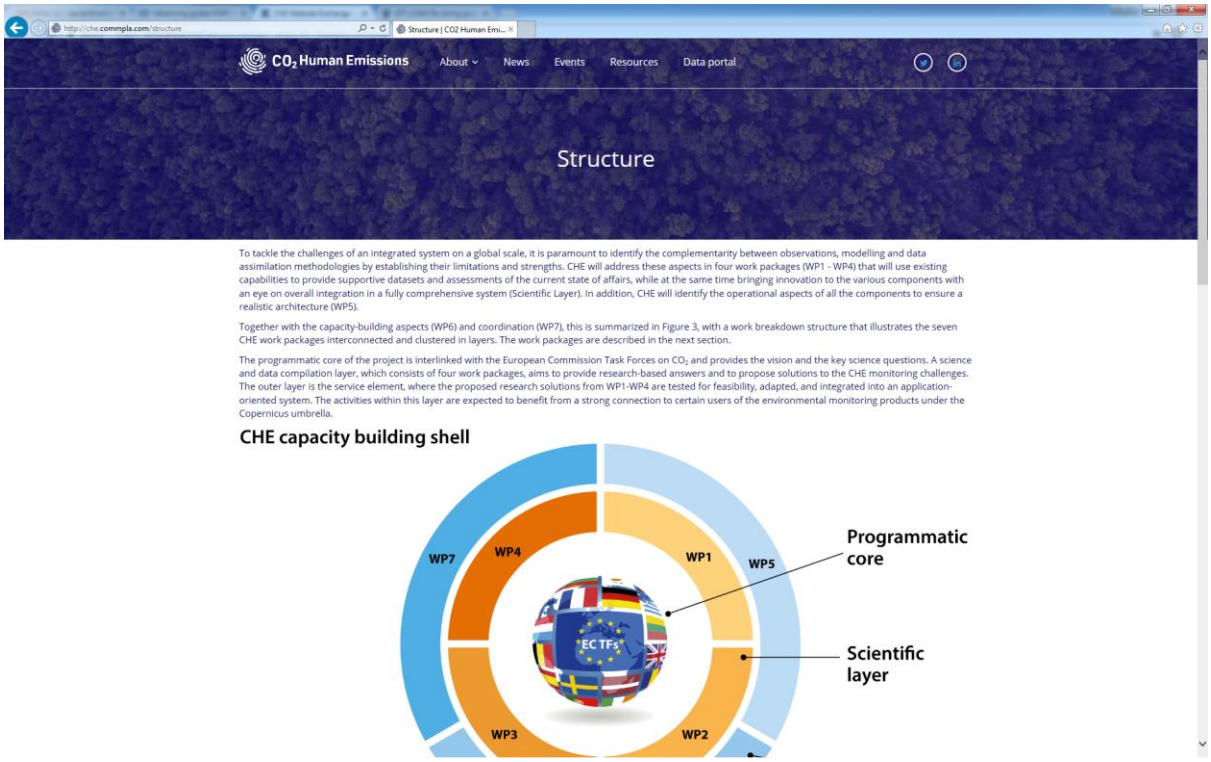

Figure 4: Structure

3.2.3 Consortium

Figure 5: Consortium

3.2.4 Partners

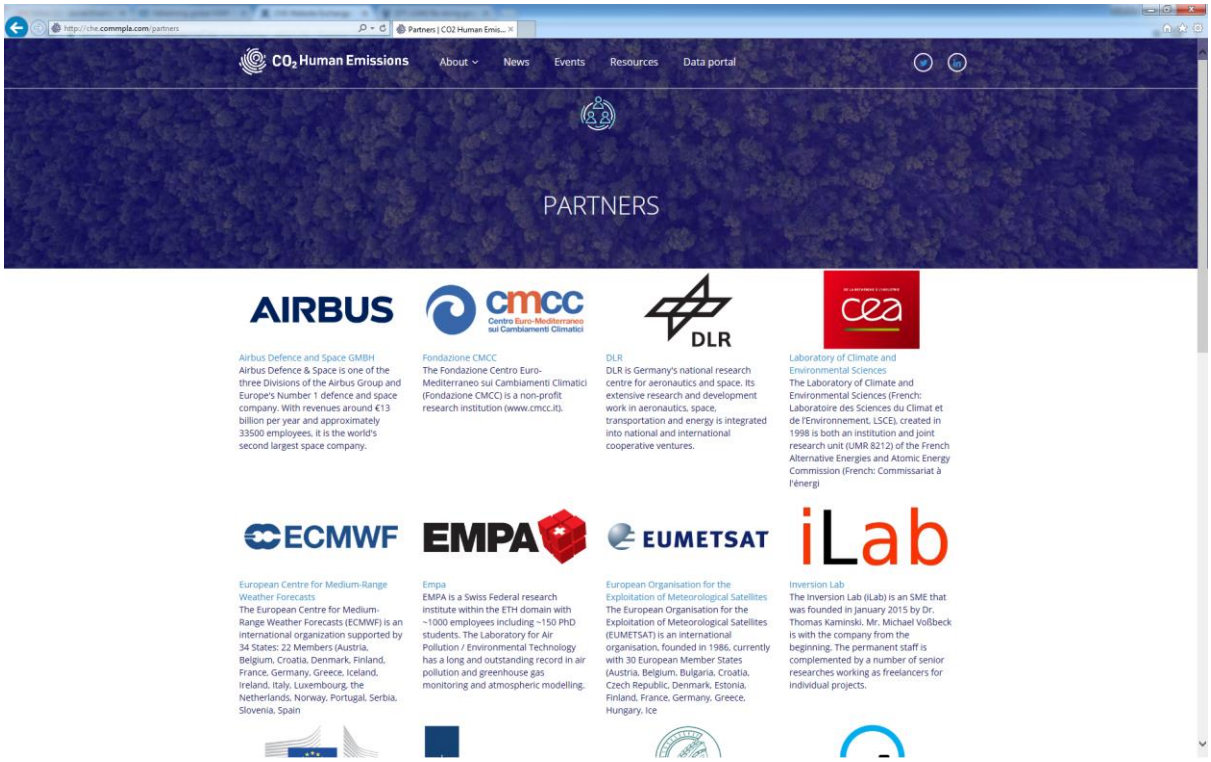

Figure 6: Partners

3.2.5 Specific Partner Pages

Each project partner has a dedicated page describing his organisation and role in the project.

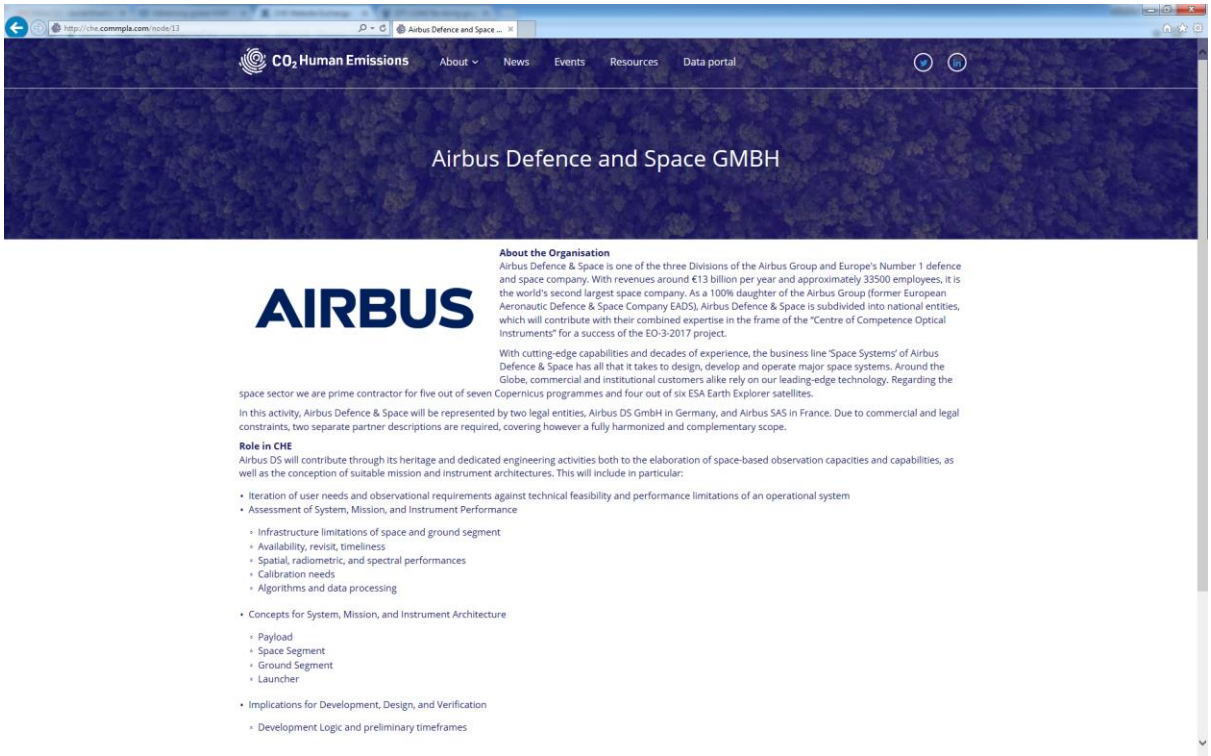

Figure 7: Partner-specific page

Project staff will be added to the individual partner pages following the release of the website.

3.3 News

News items are featured on the front page and call also be accessed via the “News” section.

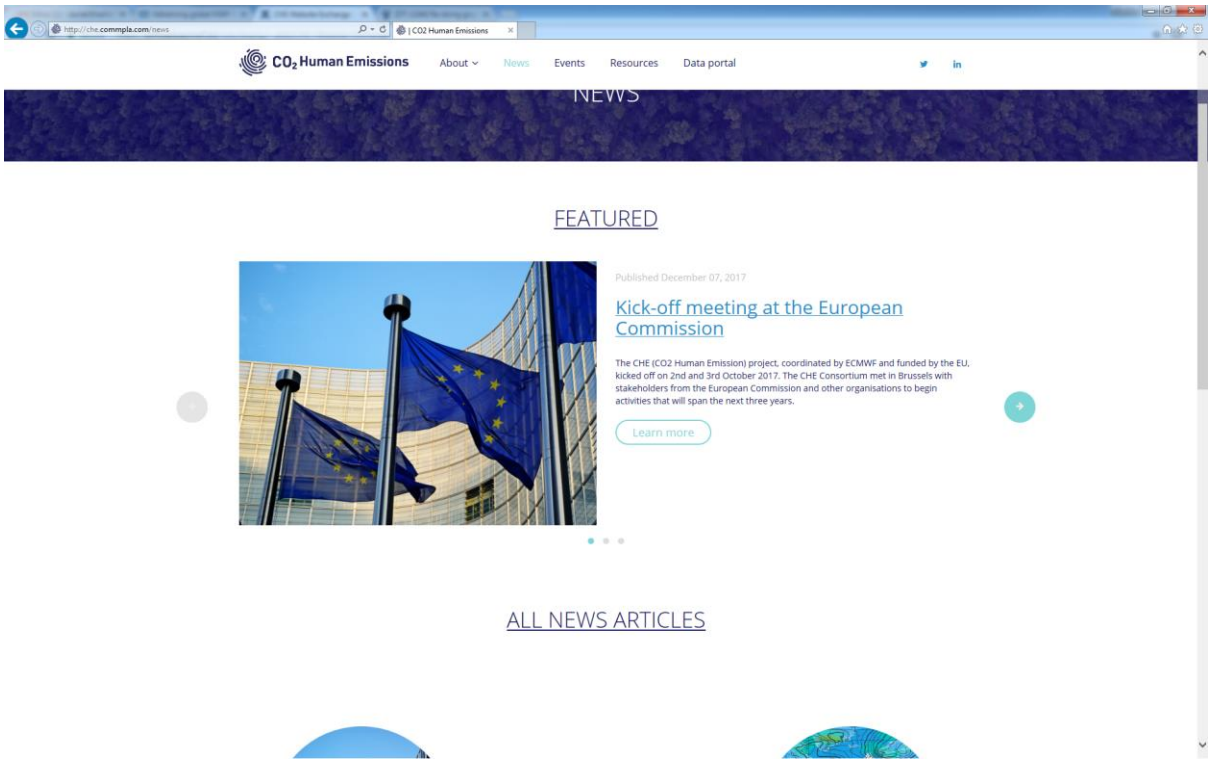

Figure 8: News

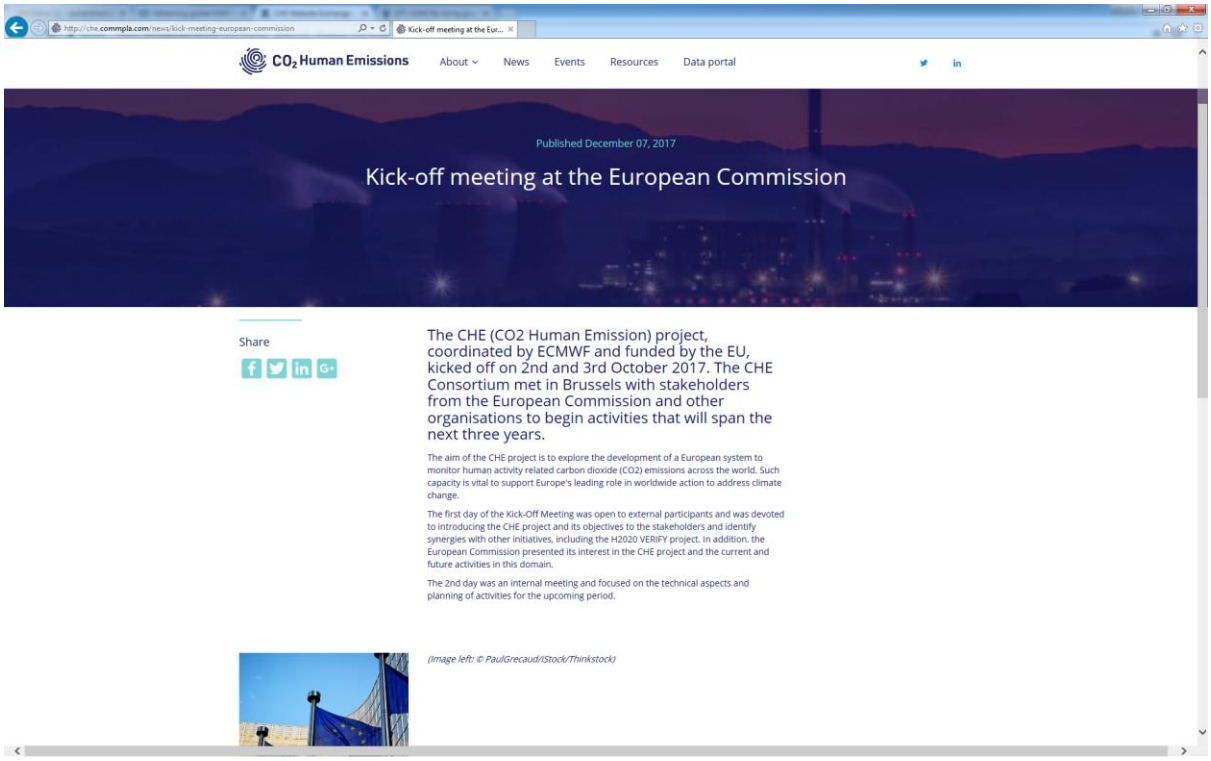

Figure 9: Specific News Item

3.4 Events

Events are featured on the front page and can also be accessed via the “Events” section.

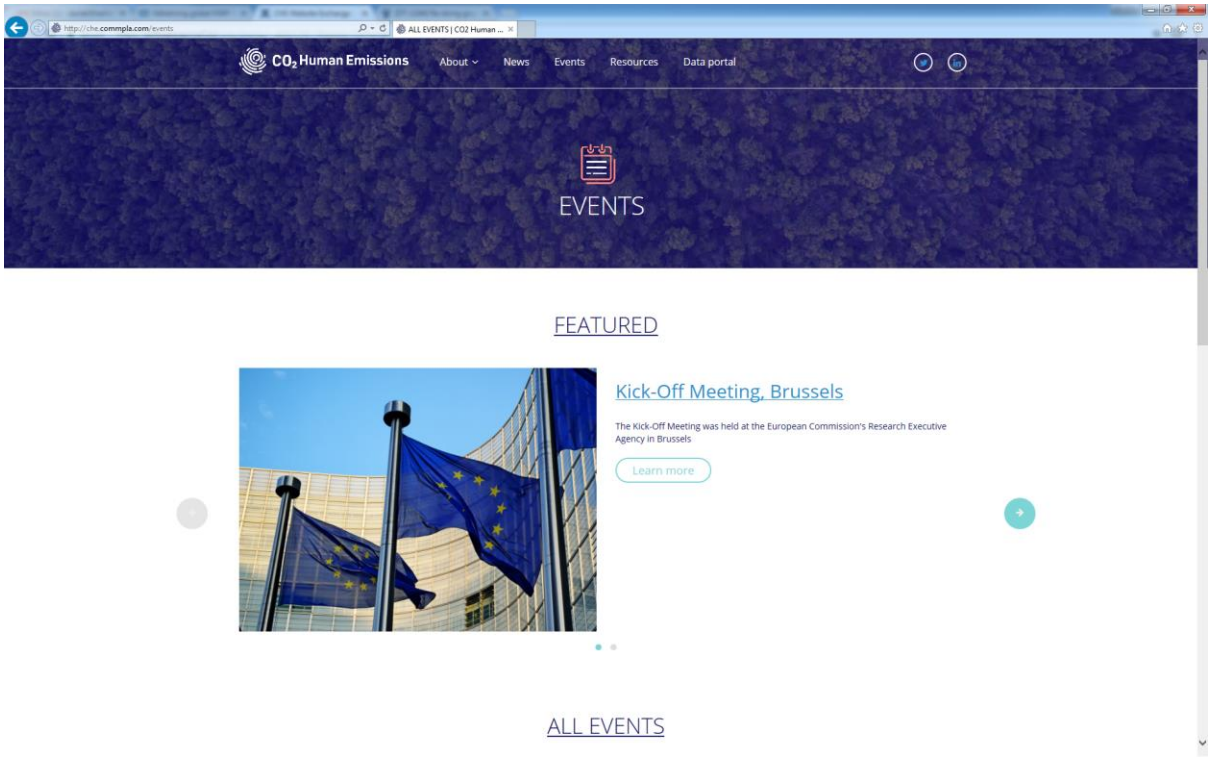

Figure 10: Events

Specific events pages allow for the integration of a Google maps widget as well as other HTML-based items.

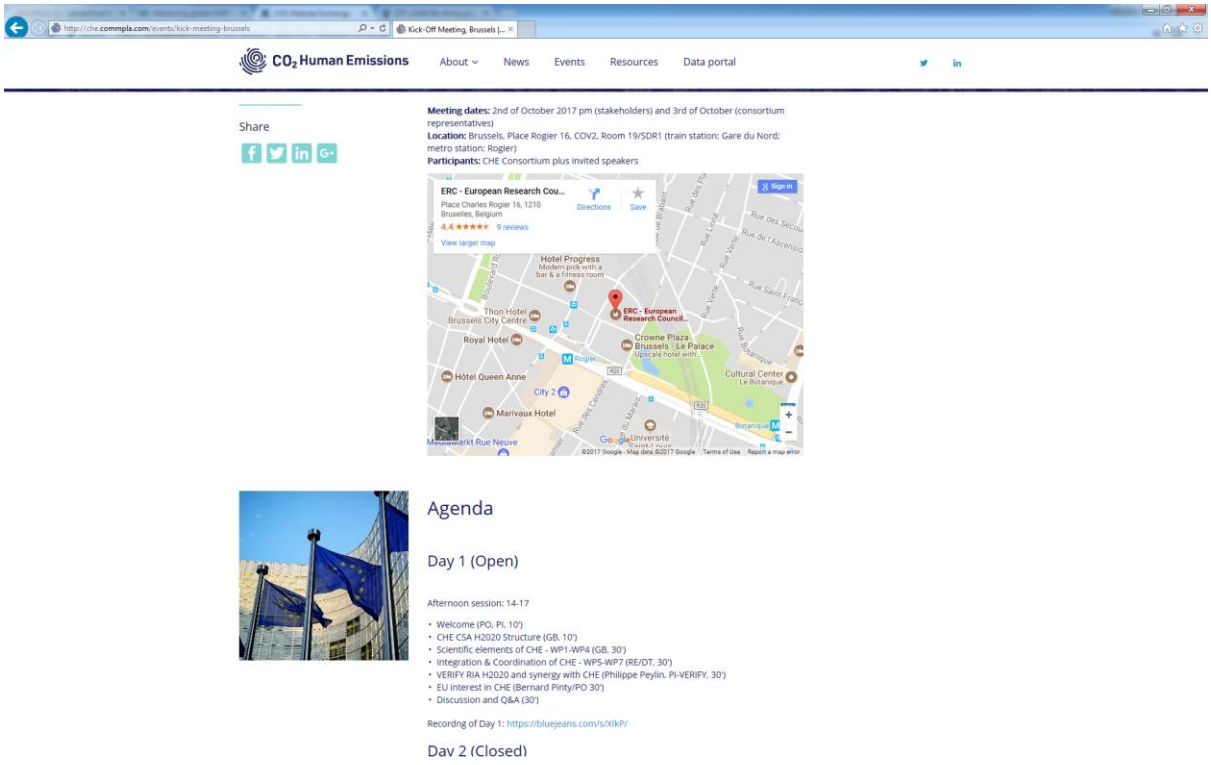

Figure 11: Specific Events Page

3.5 Resources

Resources provide the library of CHE documents including deliverables and reports, publications, and PR material. A filter option allows for selection items of interest, both in terms of type as well as topic.

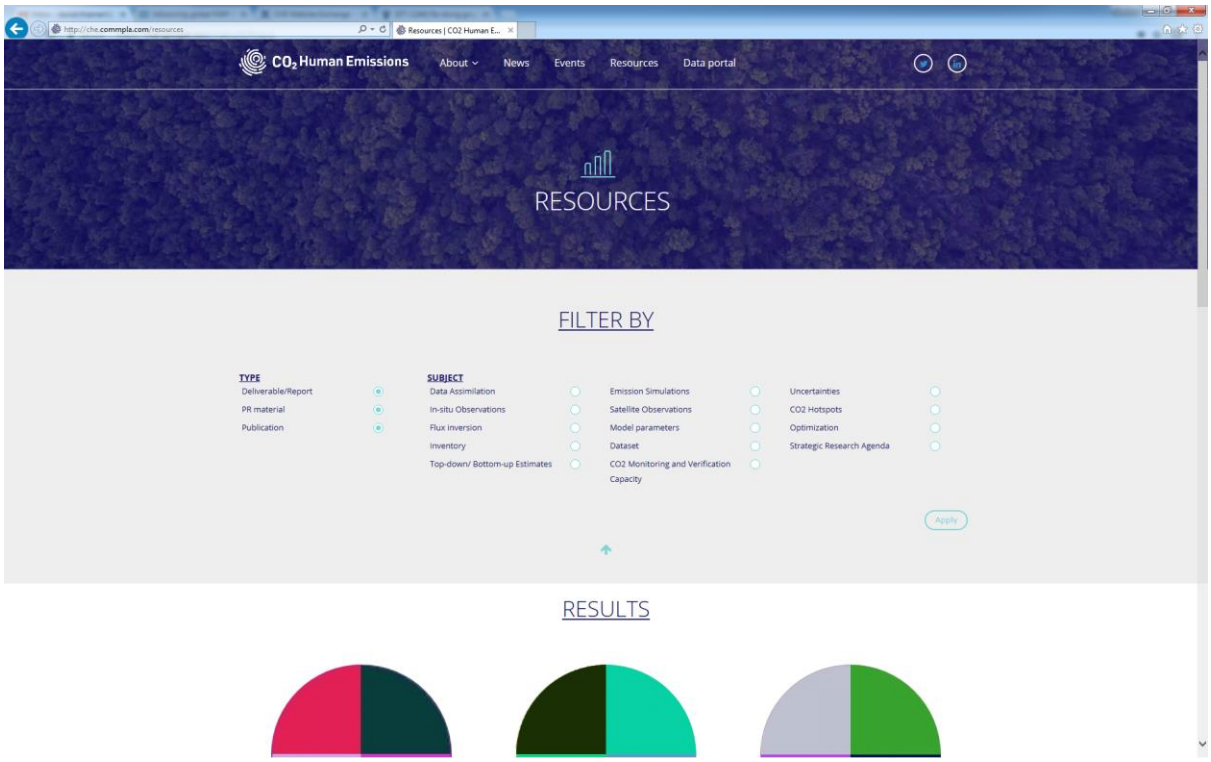

Figure 12: Resources

The resource page will become available as soon as the first resources have been added.

3.6 Data Portal

The data portal will provide the interface to the distributed data sets made available by the CHE project. This will become available by March 2018, and therefore at the time of writing is only a placeholder.

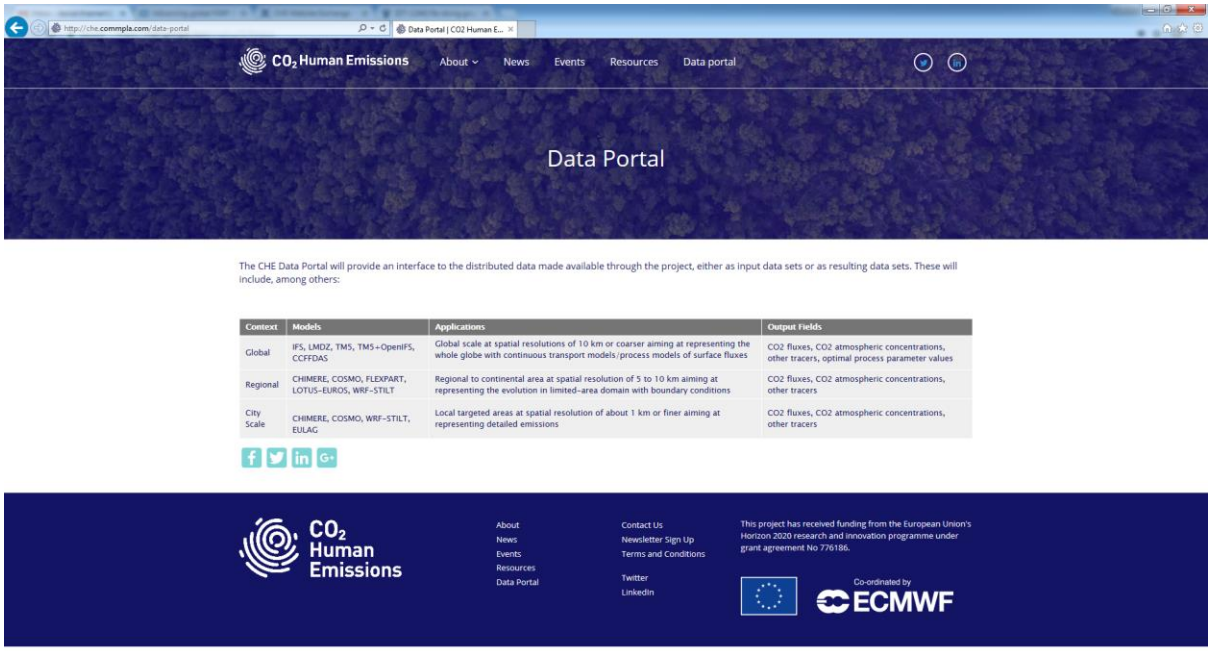

Figure 13: Data Portal

3.7 Other aspects

The website links directly to the project's Twitter feed[1] and LinkedIn group[2]. As mentioned before, newsletter subscription is available via the front page.

[1] https://twitter.com/che_project
[2] https://www.linkedin.com/groups/13565423

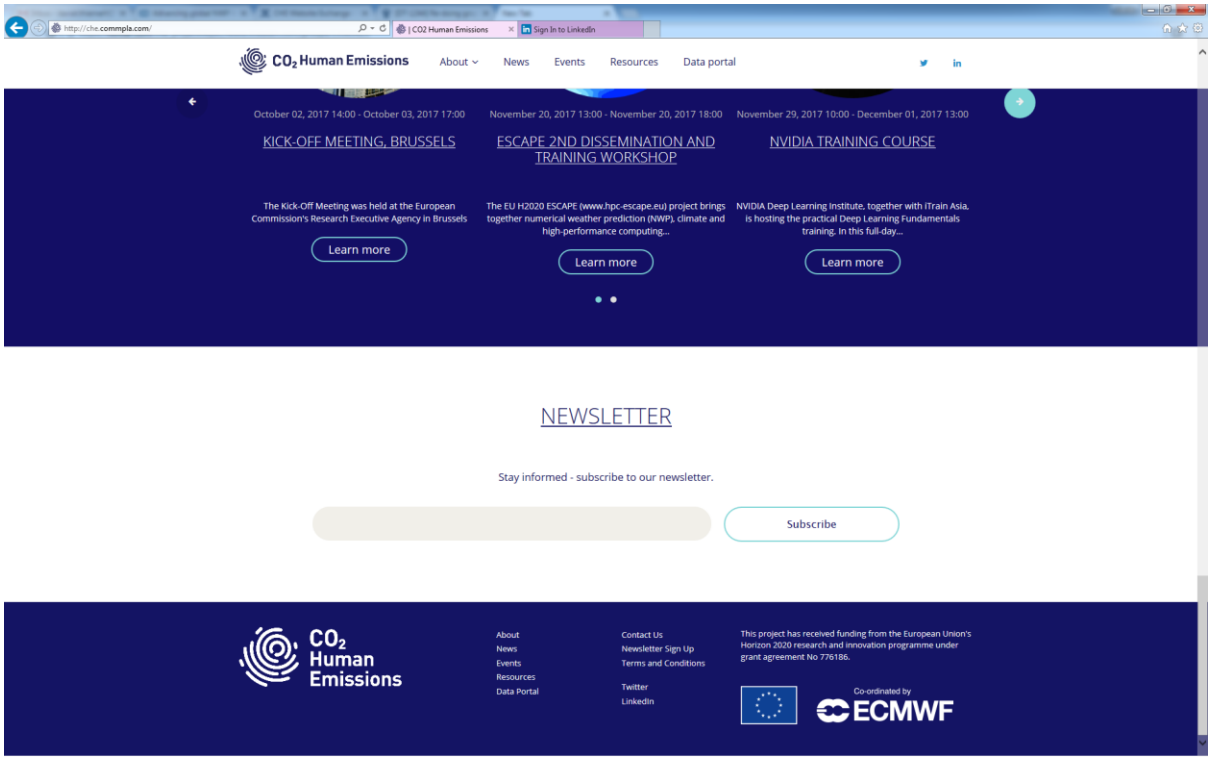

Figure 14: Newsletter Subscription

A contact form allows sending messages to the coordination team.

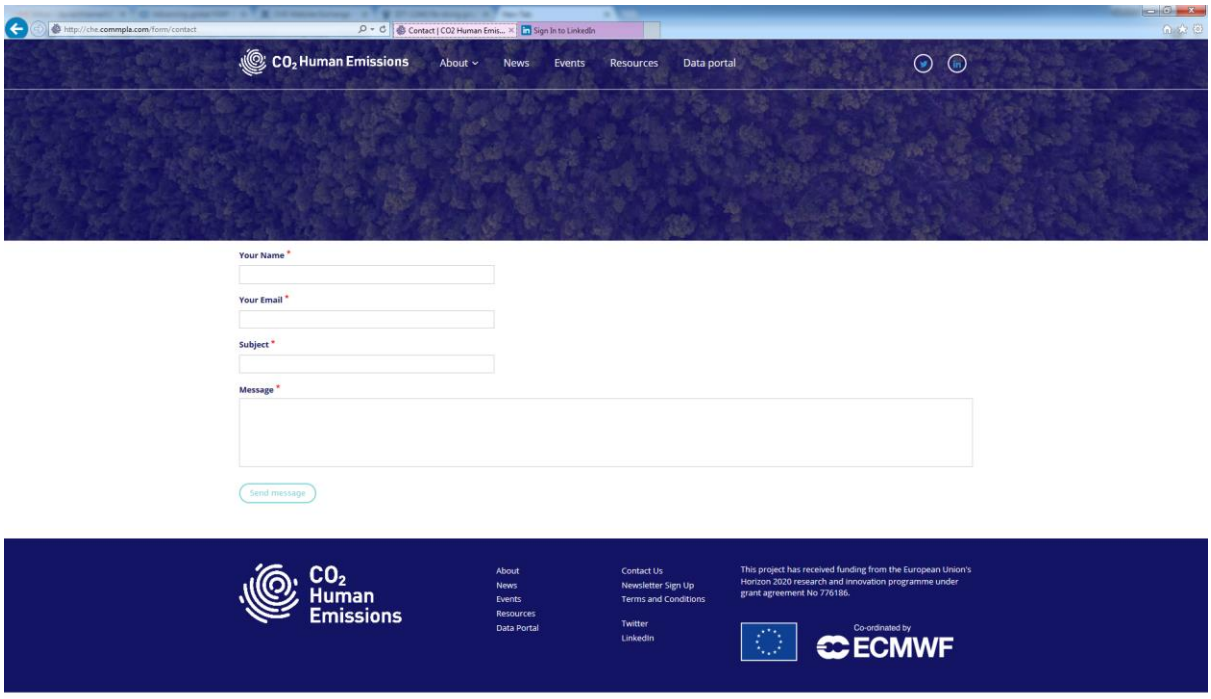

Figure 15: Contact Form

3.8 Testing, Platforms and Tracking

The website has been tested on different platforms and devices, including Windows, Linux, as well as mobile platforms such as iOS and Android. Various browsers have been tested including Firefox, Google Chrome and Internet Explorer.

The website has been developed in such a way as to be compatible with mobile devices (see Figure 16 for iOS example).

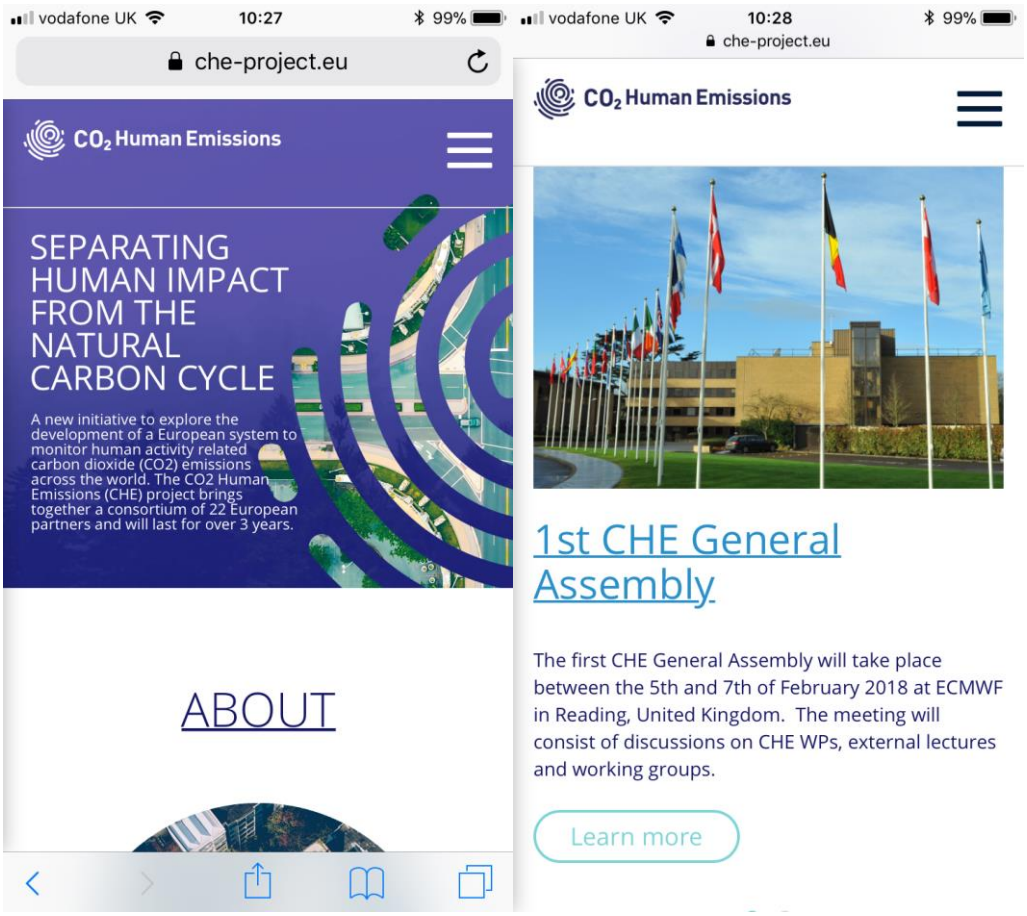

Figure 16: Mobile Version of Website

Visitor tracking is realised via Google Analytics.

4 Project Internal Pages

The CHE project utilises Confluence and Jira for internal communication and co-development.

Confluence is a wiki-style tool that allows for co-editing of information.

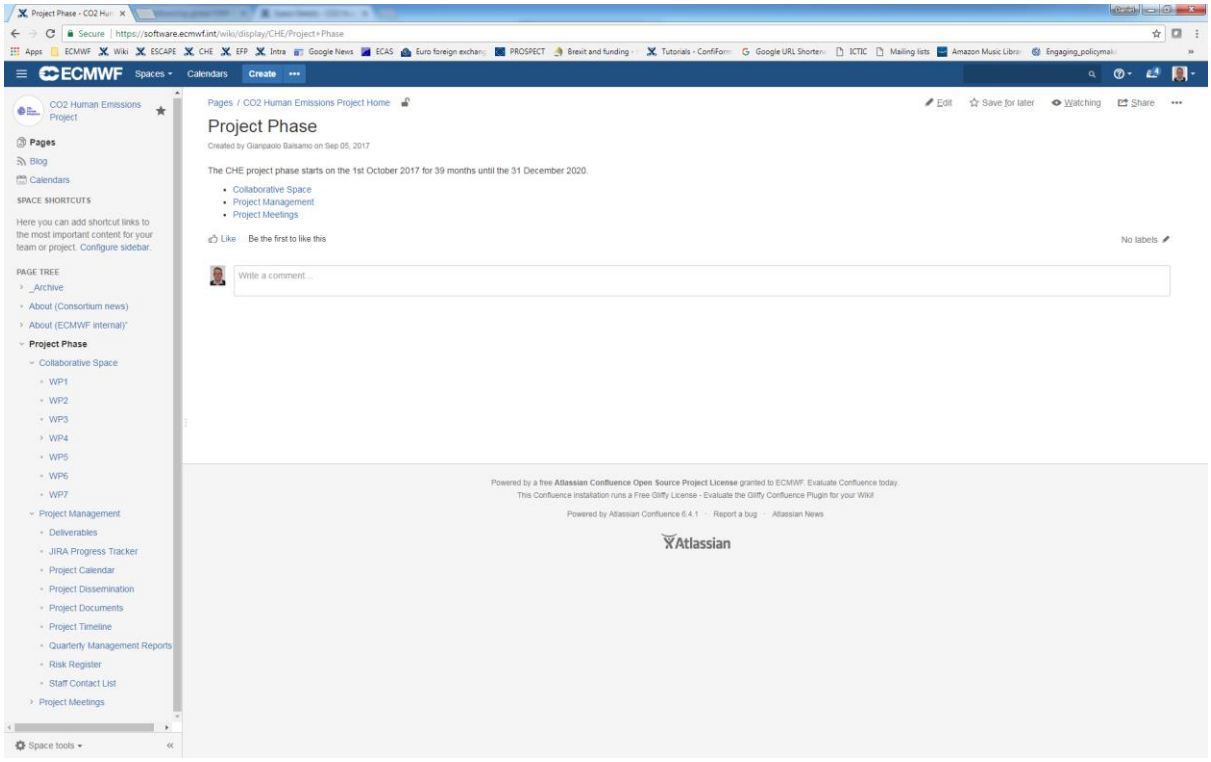

Figure 17: CHE Confluence Space

The CHE Confluence provides collaborative spaces for each work package in addition to project management information.

The Jira issue tracker allows for the assignment of tasks and deadline to specific project partners and provides an easy overview of project deadlines and tasks.

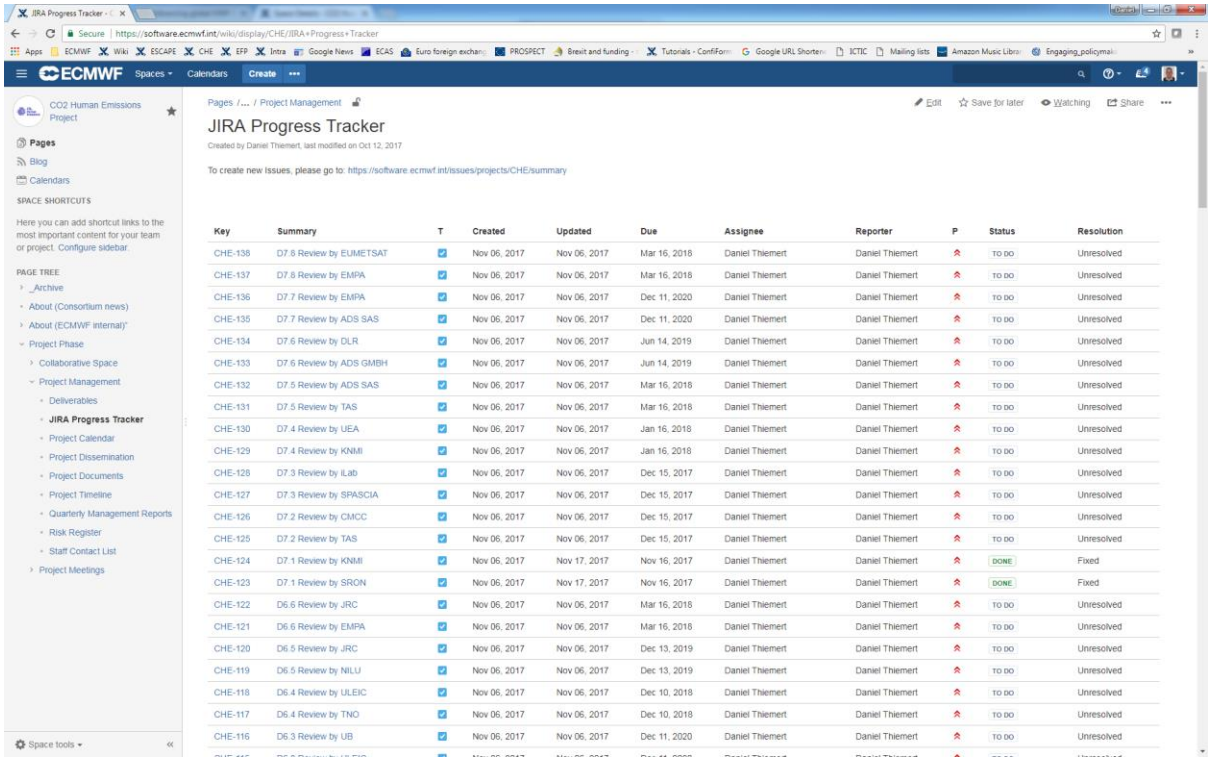

Figure 18: Jira Issue Tracker

5 Conclusion

This document, D7.2, provides a high-level description of the CHE project website. It presents details on the structure of the website. The website (accessible via www.che-project.eu) is to be updated regularly, both throughout the lifetime of the project and thereafter. It contains information on the project, news and events, resources (including public deliverables), data portal, amongst others.

Document History

Version	Author(s)	Date	Changes
0.1	Daniel Thiemert (ECMWF)	08/12/2017	Initial Version
1.0	Daniel Thiemert (ECMWF)	18/12/2017	Final Version incorporating reviewers comments

Internal Review History

Internal Reviewers	Date	Comments
Denis Siméoni (TAS)	11/12/2017	Approved with Comments
Dario Parpale (CMCC)	09/12/2017	Approved with Comments

Estimated Effort Contribution per Partner

Partner	Effort
ECMWF	0.2
Total	**0.2**