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Topic: Innovation for Generation II and III reactors

Fracture mechanics testing of irradiated RPV steels by means of sub-sized specimens

Deliverable D7.1
Project management platform

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1 **Nature**: R -Document, report; DEM -Demonstrator, pilot, prototype; DEC -Websites, patent fillings, videos, etc.; OTHER; ETHICS -Ethics requirement; ORDP -Open Research Data Pilot; DATA -data sets, microdata, etc.

2 **Dissemination level**: PU -Public; CO -Confidential, only for members of the consortium (including the Commission Services)
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1 Introduction
In the electronic information dominated era efficient communication between research project participants, which come from different countries or even different continents, might be achieved by employing web-based solutions. **Electronic project management platform** (SharePoint) should enable efficient information and document exchange at the same time with assured high level of security.

In addition to the content available only to a limited number of authorized project members some information have to be available publicly. This demand can be supplied by the **project official website** with the main information of project aims, including general assumptions, institutions involved, methodology, and contact details. Website is also expected to play an important role in the promotion of project achievements.

One of the key features of the project professional image is its **visual identification**, with the **logo** being one of the most important components. It helps with achieving a consistent style of all the documents and information exchanged and published within the project.

All this three topics are covered by Fractesus WP7. Summarizing, this deliverable addresses:

- Project visual identification (logo),
- Project public website,
- Project SharePoint.

2 Project visual identification
Project logo has been designed and is presented in Figure 1.

![FRACTESUS logo](image)

*Figure 1 FRACTESUS logo*

This logo is/will placed in project related documents and communications: deliverables, progress reports, presentations and in the electronic media: website, social and scientific portals.
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3 FRACTESUS website

3.1 General information and content

The FRACTESUS official website is available under following address:

https://fractesus-h2020.eu

The FRACTESUS website has been set up by the project leader - SCK CEN. SCK CEN also manages and maintains this website. The home page interface is presented in Figure 2.

Figure 2 FACTESUS website homepage interface (11/2020)

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On the homepage, besides project related news, shortcuts to selected content are available. All the public content is accessible by using menu button located in the upper right page corner. On the homepage there is also available shortcut to the SharePoint with restricted access only for the authorized consortium members (see, Paragraph 4).

Besides homepage, the main website structure consist of following tabs:

- Objectives
- Mission statement
- Methodology
- Cooperation
- About us
- Public documents
- Contact

The content of the website is managed by authorized website business owners and will be systematically updated during the project.

3.2 Design software

The FRACTESUS site is built in Drupal 8.0: a free and open-source (GNU GPL) content management framework that can be tailored and customized to simple websites or complex web applications.

The FRACTESUS website is built following the same system and code as the official website of the project leader (www.sckcen.be). This means that every functionality of the public company website is also available for the FRACTESUS website (security, technical level, content management and navigation possibilities).

3.3 Responsive design

FRACTESUS website applies responsive design techniques, therefore it is compatible with many different browsers (Edge, Firefox, Chrome, Safari, ...) installed on various physical devices (desktop PC, laptops, mobile phone, tablets, smart TVs...). Thus, it adapts depending on the device or the resolution with which it is viewed.

3.4 Browser compatibility

Particular browser support is based on their overall market share. FRACTESUS website is compatible with browsers with 5% and more market share. Currently, following browser are supported:

- Google Chrome 74 and higher
- Mozilla Firefox 76 and higher
- Microsoft Edge 41 and higher
- Safari 11 and higher

3.5 Legal aspects

SCK CEN is taking actions to be fully in line with the GDPR legislation with regard to the possible impact as a result of this website. SCK CEN counts on its own legal department and the independent web agencies Prophets and Intracto to provide legal support.

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The FRACTEUS website will only collect anonymised data via Google Analytics. This can be done without the web visitor's approval. However, visitors must be informed about cookies. A banner and associated cookie policy will be developed for FRACTEUS. It is then possible to monitor web traffic (with the number of visitors and the most visited pages) in figures via Google Analytics. SCK CEN can share the reports on this.

3.6 Website accessibility
SCK CEN takes into account most of the best practices in the field of web accessibility by default, and provides a score of at least 80% on delivery of the platform with the Lighthouse tool in the field of Accessibility & Best practices. This score was achieved for the 10 most important subpages/tabs on the website based on Google Analytics.

3.7 Security
Website security is an important issue due to generally observed increase in the amount of data being intercepted and number of websites which are attacked, and related harmful consequences. Security must therefore be actively monitored. In addition, a web platform needs to be kept up to date and in compliance with all legal obligations.

SCK CEN relies on the Care Pack provided by web agency Intracto. On a monthly basis, specific SCK CEN platforms are checked to find if security related actions need to be taken. Our web partner will carry out updates and follow legal guidelines, if needed. In addition, SCK CEN also concluded a service contract with its web partner. If there are web problems – whether or not business or project-critical – a contract specifies the response and recovery times.

4 SharePoint
The FRACTEUS SharePoint is available from the following address:

https://extranet.sckcen.be/sites/fractesus

or from the shortcut available on Fractesus official website (https://fractesus-h2020.eu).

The interface of SharePoint is presented in Figure 3.
The access to the FRACTESUS SharePoint is organized on the basis of differentiated read/write permissions granted to specified user groups. Each user has separate login and password. All the traffic is organized through SSL (secure sockets layer) protocol. Main user groups in the order with decreasing access level are listed below:

- Administrators
- Partners
- SAC/EUG (Scientific Advisory Committee/End User Group)

The main libraries available on SharePoint are:

- Read only documents (e.g. reports templates, meeting notes, main project documents, etc.)
- Working documents (e.g. drafts of reports, etc.)

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Moreover, libraries/folders needed for document exchange in specific project actions are available (e.g. KoM presentations, periodic reports, etc.). Additional features will be added according to the current demand.

SharePoint security is managed by SCK CEN’s IT department (2 people) and the content by authorized business owners.

5 Conclusion
FRACTESUS secure, electronic management platform has been established by creating official project website and SharePoint, both managed by the project leader – SCK CEN. Moreover, visual project identification is guaranteed by the designed project logo. Therefore, efficient internal and external communication is assured along with the consistent style of generated information.