



## Dealii-X

### An Exascale Framework for Digital Twins of the Human Body

#### D4.2 Public Website

Deliverable information	
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#### Quality assurance

To ensure the quality and correctness of this deliverable, we implied an internal review and validation process. Partner VPHi drafted the deliverable. All other work package partners contributed to and reviewed the overall draft. Finally, the semi-final version was submitted to internal reviewers, for a final review and validation.

Version	Date	Status	Author	
V1	13/01/2025	First Draft	VPHi	Creation of the document
V2	20/01/2025	Draft	Internal reviewers	Quality check
V3	30/01/2025	Final Version	VPHi	Document consolidation



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## 1. Introduction

The overall objective of Work Package 4 “Dissemination, Communication, and Exploitation” is to achieve a high level of impact for the project and its results. The main goal of the WP is to inform, engage, create awareness, and promote the project. The objective is to disseminate knowledge, share best practices, and foster a robust ecosystem around high-performance computing, particularly in the context of exascale technologies. WP4 is also dedicated to effectively communicating the project's findings, exploiting the developed technologies for broader applications, and disseminating the results to maximise impact. This WP is crucial for ensuring that the advancements made in the project reach and interact with the intended audiences and stakeholders.

The dealii-X project website serves as the central communication and dissemination hub for the initiative, supporting its mission to develop an exascale framework for digital twins of the human body. Designed with accessibility, functionality, and user engagement in mind, the website provides a cohesive platform to share the project's vision, objectives, and progress with diverse stakeholders, including researchers, clinicians, policymakers, and the general public.

The website is a critical tool for achieving the project's dissemination goals by:

- Showcasing the latest advancements and deliverables of dealii-X.
- Providing a repository of resources for researchers, clinicians, and stakeholders.
- Engaging with the broader community through news, events, and multimedia content.

With its user-friendly design and regularly updated content, the dealii-X website is positioned as an essential asset to maximize the project's visibility and impact across Europe and beyond.

This deliverable D4.2 “Public Website” presents the website, highlighting its key features, structure, and content strategy. The website has been designed to reflect the project's identity, facilitate access to project updates, and promote collaboration within the scientific and healthcare communities. It also ensures that all communication adheres to the principles of clarity, transparency, and alignment with the Horizon Europe framework.

## 2. Dealii-X Website

### *a. Link*

The official website of the dealii-X project can be found at the following link <https://dealii-x.eu/>

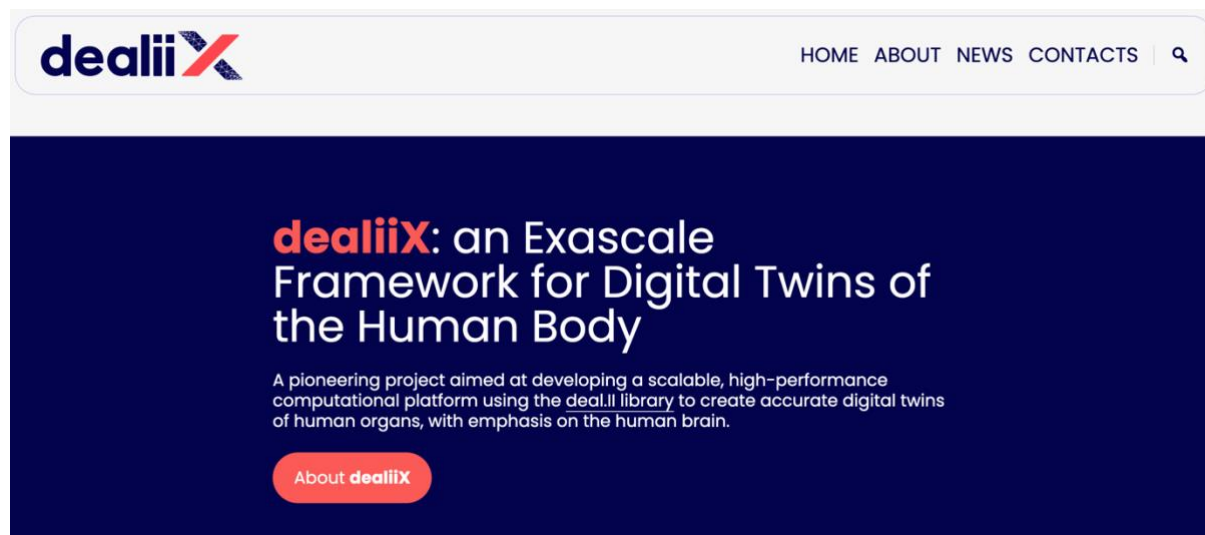


Figure 1 - dealii-X Website Home Page (subject to changes)

### *b. Design*

The website has been developed via WordPress CMS, the design corresponds with the overall brand identity of the project. The visuals used on the website complement the modern look of the logo and the idea of high-performance computing.

### *c. Content*

The website currently offers the following categories and content:

- **Homepage** – it includes a description of the main goals of the project, a call to action and impact highlights.
- **About** – In this area we list the mission and vision, the partners and the community
- **News** – The news area, with the latest updates on the project, the publications, events, and job openings
- **Code** – A section dedicated to the more technical aspects of the projects, coding, tutorials and demos, use cases and a simulation viewer.
- **Documents** – Here we will collect all the data security documents, the ethical commitments, the downloadable content and other documentation
- **Contacts** – The last page will be a contact form for general inquiries, a team directory and social media channels

The website aims to inform about the dealii-X project and to communicate and attract potential members, e.g., researchers, industry partners, clinicians and in general people that are involved or even just simply interested in high-performance computing.

The focus of the website will shift to the latter goals as the project advances, following the updated communication plan D4.1. We will attract visitors by linking posts on social media to our website and vice versa. In addition, by posting and linking to dealii-X on existing communication channels of the consortium, we can draw interested visitors to our website. Best practices for Search Engine Optimization (SEO) will be used in order to make sure that the website is among the first ones retrieved by Google for searches that relate to the main keywords of the project (i.e. exascale, high-performance computing, in silico, etc.).

#### *d. Monitoring*

The website statistics are tracked via Google Analytics and in this case, the most important metrics are: the number of sessions and number of users; since it is an informative website, the session duration per page, the bounce rate, the engagement and the provenience of the audience will be also analysed.

### 3. Conclusions

The dealii-X project website represents a vital component of the project's communication and dissemination strategy, offering a centralized and accessible platform to connect with diverse audiences. Through its thoughtfully designed structure, the website ensures the effective presentation of the project's objectives, progress, and achievements, while fostering engagement with stakeholders from research, healthcare, policy, and the public domains.

By hosting key resources, news updates, event information, and multimedia content, the website acts as both an information repository and an outreach tool, aligning seamlessly with the broader goals of the dealii-X initiative. Its dynamic and user-focused approach guarantees ongoing relevance throughout the project's lifecycle, supporting collaboration and knowledge sharing.

Moving forward, the website will continue to evolve as a living platform, reflecting the advancements and milestones of dealii-X. It is positioned to play a critical role in maximizing the project's visibility, ensuring its results have a lasting impact on the scientific, medical, and broader societal landscapes.