

*Network of excellence in make Digital Technologies and Artificial Intelligence (AI) solutions for electromechanical and power systems applications (DiTArtIS)*

### D1.3 Project website

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Start date of project	1.10.2022
Duration	36 months

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## 1. HISTORY OF CHANGES

No.	Chapter	Change	Page
1.			

## 2. INTRODUCTION

*With the global internet penetration rate covering 63.2% of the world's population (Internet World Stats, 2021), we can expect consumers to judge a business by how its website looks. 2020 also saw 319 million new unique internet users (DataReportal, 2021). With these numbers, it's easy to see that making your website attractive, easy to use, and quick to load has a ton of benefits. [https://financesonline.com/web-design-trends/]*

The purpose of dissemination is to make **Digital Technologies and Artificial Intelligence (AI) solutions (DiTArtIS)** a successful and sustainable project by raising the awareness and publicity of the project. In this context, the dissemination will focus on one hand the public, and on the other hand the scientific researchers. Thus, all the partners will have to work continuously in the field of dissemination.

The deliverable of this dissemination report provides an overview of the **DiTArtIS** website.

The **DiTArtIS** website is the place where official project information such as duration, strategy, partners, news&events, are provided for the public. It aims to facilitate the collaboration work within the **DiTArtIS** project consortium.

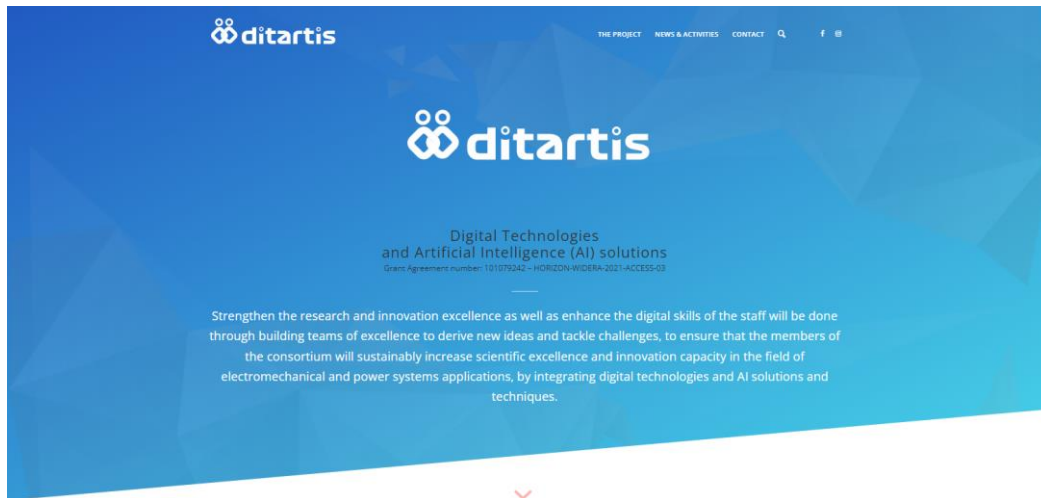
## 3. PROJECT WEBSITE

The **DiTArtIS** website serves as the most versatile information and communication tool, because on the one hand it provides the opportunity to provide information for a worldwide audience and enables a working platform for the project team members.

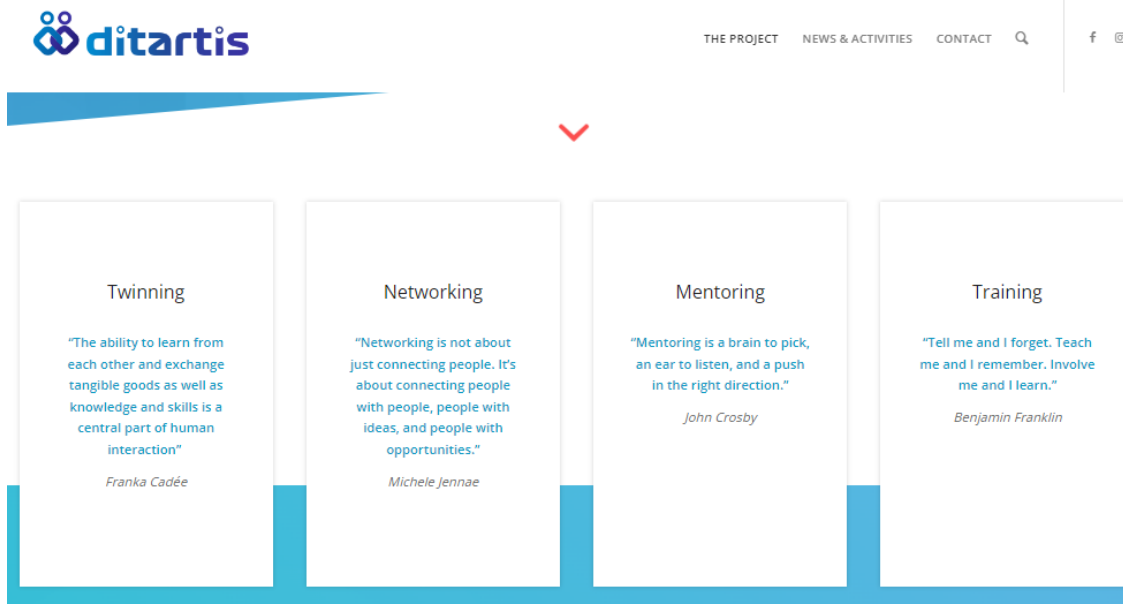
Couple of 2023 trends in web design are *Single-page design* and *Scrolly-telling* that allows the public to find almost everything about the ongoing project by scrolling the info on a single page. Our website was designed with regards to the newest trends since the **DiTArtIS** project is aiming for excellence in every possible way (technical and from social media point of view).

The website is also optimized for mobile devices since mobile searches make up for more than half of searches on Google platform

For a better understanding of the website the whole page was split into small pieces



a) General info



## The Project

Digitalization is the key to fighting climate change and achieving the objectives of the European Green Deal, while contributing to the green energy transition, energy efficient buildings, sustainable transportation and industrial digital transformation. Digital technologies and Artificial Intelligence (AI) solutions can deliver operational efficiencies and reduced costs in many industries; enable the development and implementation of smart energy/transport/building systems and components, increase the connectivity of people and systems.

**CONSORTIUM**

**RESEARCH STRATEGY**

**MENTORSHIP PROGRAM**

**TRAINING PROGRAM**

The project is built around two challenging research topics, aligned to the Horizon Europe Pillar 2 (Global Challenges and European Industrial Competitiveness)(Climate, Energy and Mobility and Digital, Industry and Space clusters and to the Romanian national smart specialization.

The goal of the mentorship program is to accelerate the personal and professional development of young researchers, inside and outside the consortium. This will be achieved by providing the young researchers with guidance, advice and feedback from mentors with more experience.

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b) Synthetic info zone (the partners are linked through their logo to their website).  
The research, mentorship and training are detailed in the next zones)

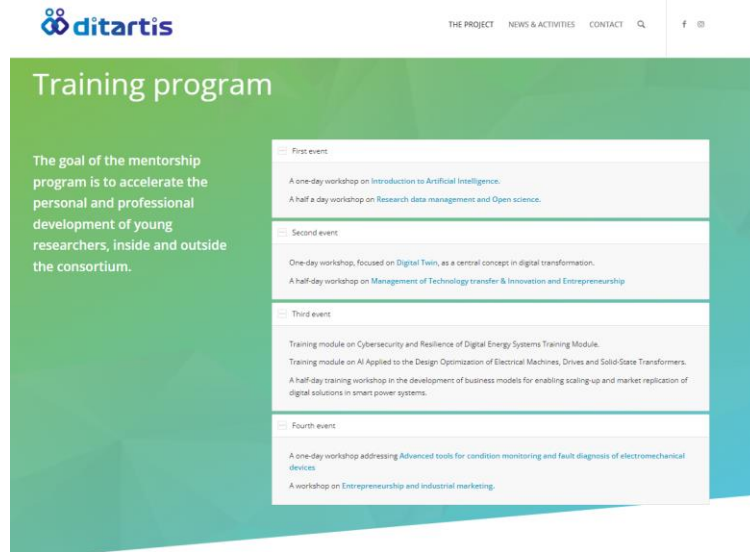
## Mentorship program

The goal of the mentorship program is to accelerate the personal and professional development of young researchers, inside and outside the consortium. This will be achieved by providing the young researchers with guidance, advice and feedback from mentors with more experience.

\*Each mentees will be asked to enroll in at least two of the programme components.

Duration	18 months
Target groups	<ul style="list-style-type: none"> <li>Target group 1: at least 18 young researchers coming from UTC and twinning partners interested in developing their career path.</li> <li>Target group 2: at least 6 young researchers coming from other countries (including third countries) interested in international mobility in European countries.</li> <li>Target group 3: highly skilled researchers from UTC and twinning partners (6 to 8 mentors) interested in supporting in guiding career development and/or integration of young researchers in the research teams.</li> </ul>
The program	<ul style="list-style-type: none"> <li>a short-term publication review program, designed to help a mentee with a specific article submission,</li> <li>a short-term grant review program, designed to help a mentee with a specific grant submission</li> <li>a long-term program, which facilitates the establishment of longer-term mentor-mentee relationship to aid in career development.</li> </ul>

c) Mentorship program zone

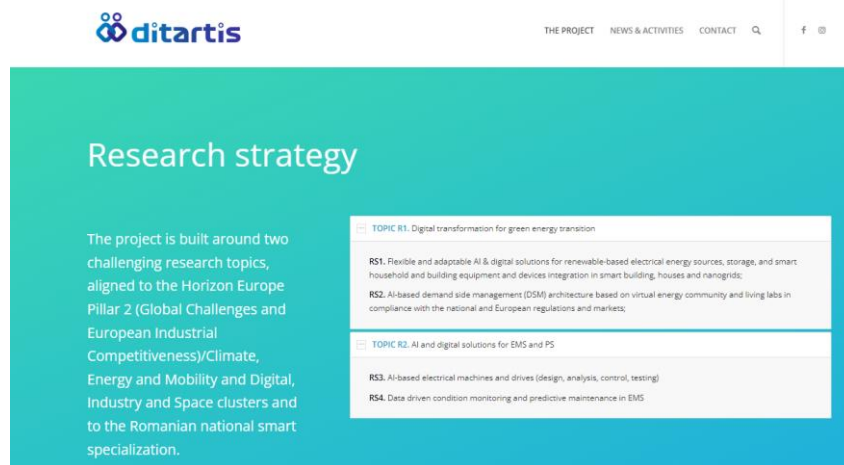


**Training program**

The goal of the mentorship program is to accelerate the personal and professional development of young researchers, inside and outside the consortium.

- First event**
  - A one-day workshop on Introduction to Artificial Intelligence.
  - A half a day workshop on Research data management and Open science.
- Second event**
  - One-day workshop, focused on Digital Twin, as a central concept in digital transformation.
  - A half-day workshop on Management of Technology transfer & Innovation and Entrepreneurship
- Third event**
  - Training module on Cybersecurity and Resilience of Digital Energy Systems Training Module.
  - Training module on AI Applied to the Design Optimization of Electrical Machines, Drives and Solid-State Transformers.
  - A half-day training workshop in the development of business models for enabling scaling-up and market replication of digital solutions in smart power systems.
- Fourth event**
  - A one-day workshop addressing Advanced tools for condition monitoring and fault diagnosis of electromechanical devices.
  - A workshop on Entrepreneurship and industrial marketing.

d) Training program zone



**Research strategy**

The project is built around two challenging research topics, aligned to the Horizon Europe Pillar 2 (Global Challenges and European Industrial Competitiveness/Climate, Energy and Mobility and Digital, Industry and Space clusters and to the Romanian national smart specialization.

- TOPIC R1. Digital transformation for green energy transition**
  - RS1.** Flexible and adaptable AI & digital solutions for renewable-based electrical energy sources, storage, and smart household and building equipment and devices integration in smart building, houses and nanogrids;
  - RS2.** AI-based demand side management (DSM) architecture based on virtual energy community and living labs in compliance with the national and European regulations and markets;
- TOPIC R2. AI and digital solutions for EMS and PS**
  - RS3.** AI-based electrical machines and drives (design, analysis, control, testing)
  - RS4.** Data driven condition monitoring and predictive maintenance in EMS

e) Research Strategy zone

## Get in touch

we would love to hear from you


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Funded by the European Union's Horizon Framework Programme. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

### f) Contact zone

#### Figure 1. DiTArtIS – website

The menu bar, situated at the top of the page, consists of 3 menu items: The **Project** (a brief explanations of the projects phases), **News & Events** (latest news for the large public and all the events that the **DiTArtIS** consortium will contribute) and of course **Contact** section (that will make the connection between the consortium and public through the **get in touch** zone).

Through the **DiTArtIS** website platform the consortium will improve the global visibility of the implicated European universities and industrial partners.