

ORGANISATION PROFILE

INNOVATIVE PROJECTS FOR A BETTER FUTURE

FOSTERING SCIENCE, INNOVATION, AND TECHNOLOGY

MINDS & SPARKS

ABOUT US



Austria

Vienna



2

Offices



20+

Employees



2018

Spin-off and Foundation

BACKGROUND & TEAM

MINDS & SPARKS is an independent, non-profit research and innovation organisation based in Vienna, Austria. It focuses on fostering science, innovation and technology to address major challenges and to develop new methods and solutions for a better society. MINDS & SPARKS creates strong connections between science, technology and society using interdisciplinary approaches, promoting best practices and raising awareness on research and innovation achievements.

For funded projects MINDS & SPARKS is providing established approaches and capabilities in the field of requirements engineering, use case specification, information visualisation, interface design, application testing, and user validation. Furthermore, the organisation focuses on improving sustainability of research and innovation outcomes especially of public funded projects to ensure that spent resources lead to enduring positive impacts for the society as a whole.

MINDS & SPARKS is formed by a team of highly skilled personnel which holds many years of experience in designing, leading and implementing research and advisory projects. The organisation is connected to various R&I networks including international research organisations, academic institutions, civil societies, NGOs, governments, municipalities, technology providers and industries in various sectors including health, security, energy, and transport.

INTERDISCIPLINARY EXPERTISE FOR YOUR NEXT PROJECT



Smart Health
& AAL



Safety
& Security



Information
Technology



Social Science
& Society



Smart
Cities



Mobility
& Transport



Sustainability
& Energy



Education

INVOLVEMENT IN RESEARCH AND INNOVATION PROJECTS



Research & Analysis Interdisciplinary Expertise

We offer comprehensive research and analysis capabilities, combining insights from various disciplines to deliver a holistic understanding of complex challenges. Our expert team utilizes several methodologies such as quantitative and qualitative surveys, focus groups, stakeholder studies, and collaboration platforms. We foster collaboration among experts from diverse backgrounds, ensuring a synergistic integration of knowledge and skills as well as contributing to achieve the project's research goals.



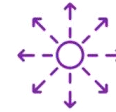
Dissemination & Communication Awareness Raising & Promotion

We are an experienced dissemination and communication partner for your project. Following the DEC guidelines provided by the EC, our creatives provide recognisable project identities, leaflets and individual print materials, as well as project websites and digital designs for your social media channels thus maximising your projects' impact. We are planning all marketing activities over the project's lifetime, utilising our detailed and structured awareness raising strategies.



Innovation Management Knowledge Transfer

We implement comprehensive innovation management strategies, ensuring your project achieves its highest potential. Our approach includes fostering a culture of innovation, facilitating collaboration, and promoting continuous improvement. Furthermore, we emphasize the importance of efficient knowledge transfer, enabling the seamless flow of information and expertise across the project and partners, as well as making your results and outcomes usable for society and industry.



Exploitation & Business Plans Market Research & Strategic Analysis

We specialize in providing top-tier exploitation strategies for your project. We ensure your innovations reach their full potential, guiding you from proposal stage to market success. Our dedicated team conducts comprehensive market analysis, identifies key exploitable results, and formulates strategic plans tailored to unique project objectives. We are committed to maximizing the impact of your project, driving growth, and securing a competitive edge in the European market.

INVOLVEMENT IN RESEARCH AND INNOVATION PROJECTS



Requirements Engineering Use Case Specification

We offer to take over the requirements engineering in software projects to help to address the specific needs of the partners and the end-users. In order to refine the specifications collected within this phase, we are using different techniques like visual personas, surveys, interviews and other to derive the users' needs. To uphold consistent high-quality standards, we emphasize thorough and iterative communication techniques between all partners during the stages of requirements engineering.



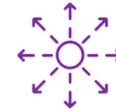
Implementation Web Application Development

We leverage cutting-edge technologies and best practices to build high-performance, user-friendly applications while emphasizing scalability, security and robust backend systems. Our team of expert developers can deliver various solutions such as project websites, mapping applications, learning hubs, contest portals, marketplaces with advisors as well as tailor-made modules for your practical, impactful web applications that will drive growth and innovation in the digital landscape.



Information Visualisation Interface Design

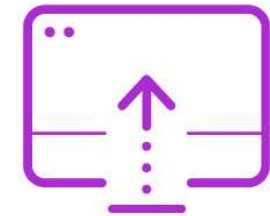
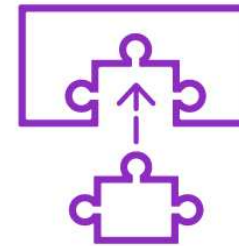
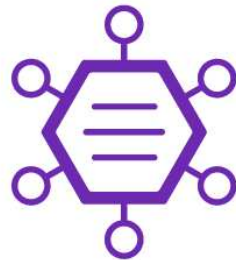
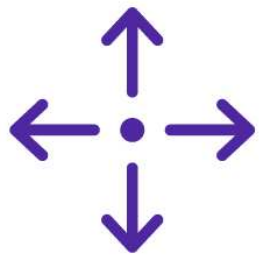
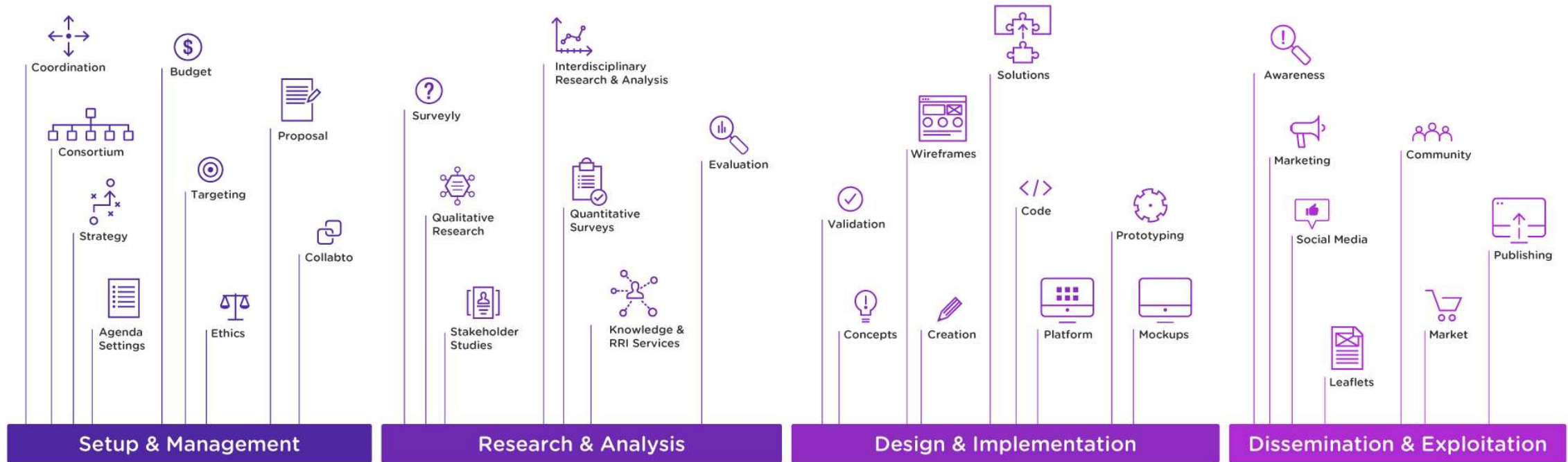
We are experienced in providing information visualisation in context of big data analytics and other data-driven projects. Using modern graph libraries and web-based implementation frameworks, we excel in creating modern data dashboard designs. We are also specialised in providing intuitive interface designs for web applications. During the creation process of user interfaces, we are following a multi-step approach to provide designs at right scale based on the individual project focus.



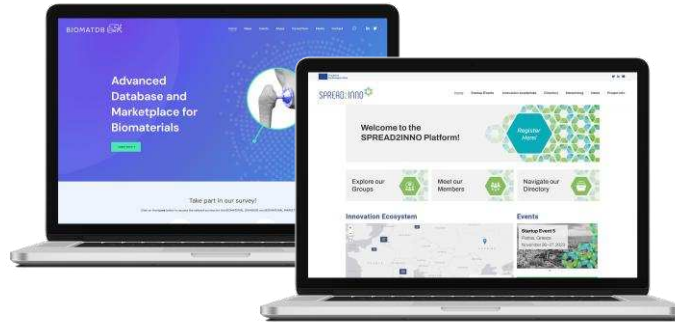
Testing Demonstration & User Validation

We are using established testing approaches for application tests at different scales for specific needs during research and innovation projects. To validate project outcomes through the opinion of end users we are applying user surveys or acceptance tests to validate the overall functionality, reliability, and scalability. Due to this approach, we are able to integrate real-life experiences into projects and therefore increase the overall quality of the software and services resulting out from it.

PROJECT EXPERTISE



WEB APPLICATION DEVELOPMENT



PROJECT WEBSITES



MAP APPLICATIONS



LEARNING HUBS



CONTEST PORTALS

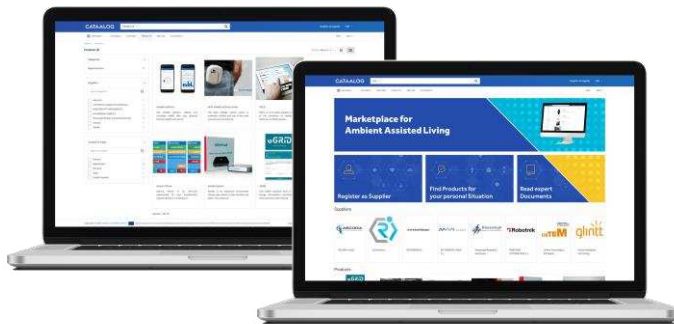
SMART WEB FRAMEWORK



PLATFORMS



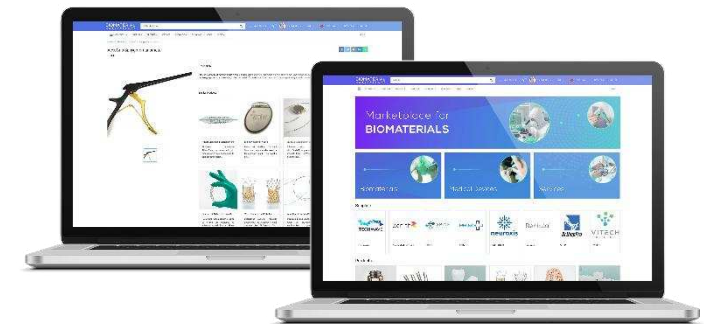
NETWORKS



CATALOGUES



ADVISORS



MARKETPLACES

PROJECTS



PAV-DT

A Disruptive Technology That Enables Low Cost Real-Time Monitoring of Road Pavement Condition by Any Ordinary Vehicle Circulating on the Road, and Predictive Maintenance

Call Topic: H2020 | EIC-FTI-2018-2020 | IA
 Number: 853899 | Role: Partner | Duration: 36 Months



GUARD

A Cybersecurity Framework to GUArantee Reliability and Trust for Digital Service Chains

Call Topic: H2020 | SU-ICT-01-2018 | IA
 Number: 833456 | Role: Partner | Duration: 36 Months



FORESIGHT

Advanced Cybersecurity Simulation Platform for Preparedness Training in Aviation, Naval and Power-Grid Environments

Call Topic: H2020 | SU-DS01-2018 | IA
 Number: 833673 | Role: Partner | Duration: 42 Months



PHArA-ON

Pilots for Healthy and Active Ageing

Call Topic: H2020 | DT-TDS-01-2019 | IA
 Number: 857188 | Role: Partner | Duration: 60 Months



PROJECTS



EU-Japan.AI

Advancing Collaboration and Exchange of Knowledge Between the EU and Japan for AI-Driven Innovation in Manufacturing

Call Topic: H2020 | ICT-38-2020 | CSA
 Number: 957339 | Role: Coordinator | Duration: 22 Months



ODIN

Leveraging AI based technology to transform the future of health care delivery in Leading Hospitals in Europe

Call Topic: H2020 | DT-ICT-12-2020 | IA
 Number: 101017331 | Role: Partner | Duration: 42 Months



BIOMATDB

Advanced Database for Biomaterials with Data Analysis and Visualisation Tools extended by a Marketplace with Digital Advisors

Call Topic: HORIZON | CL4-2021-RESILIENCE-01-25 | CSA
 Number: 101058779 | Role: Partner | Duration: 36 Months



MAGDA

Meteorological Assimilation from Galileo and Drones for Agriculture

Call Topic: HORIZON | EUSPA-2021-SPACE-02-51 | IA
 Number: 101082189 | Role: Partner | Duration: 30 Months



PROJECTS



SPREAD2INNO

SPREADing the global potential of developing innovation ecosystems to strengthen INNOvation in regional and local businesses

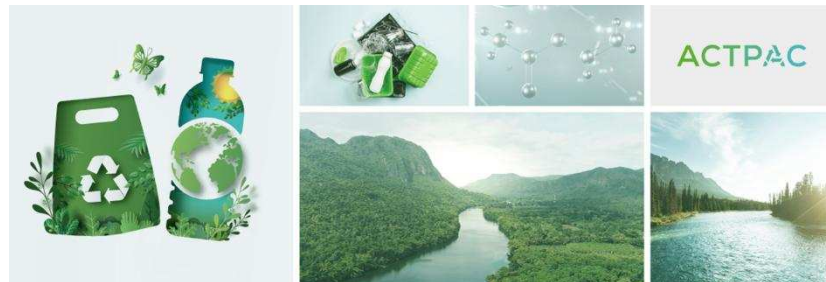
Call Topic: HORIZON | EIE-2021-SCALEUP-01-01 | CSA
 Number: 101071977 | Role: Partner | Duration: 24 Months



RISE-UP

Revitalising Languages, safeguarding cultural diversity

Call Topic: HORIZON | CL2-2022-HERITAGE-01-01 | CSA
 Number: 101095048 | Role: Coordinator | Duration: 36 Months



ACTPAC

Complete Transformation PAth for C-C backbone plastic wastes to high-value Chemicals and materials

Call Topic: HORIZON | CL6-2023-ZEROPOLLUTION-01-5 | IA
 Number: 101135289 | Role: Partner | Duration: 48 Months



EffiTorch

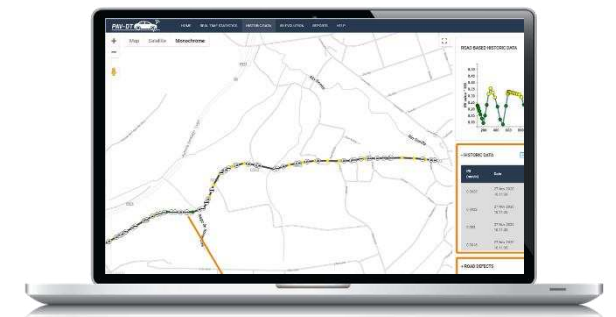
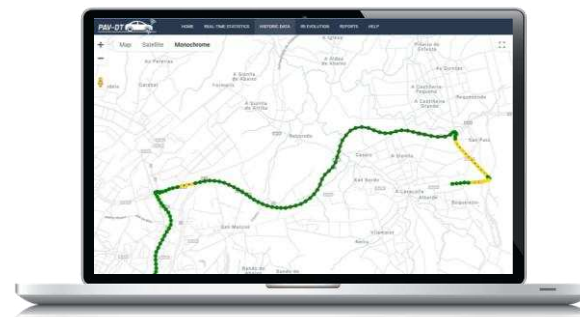
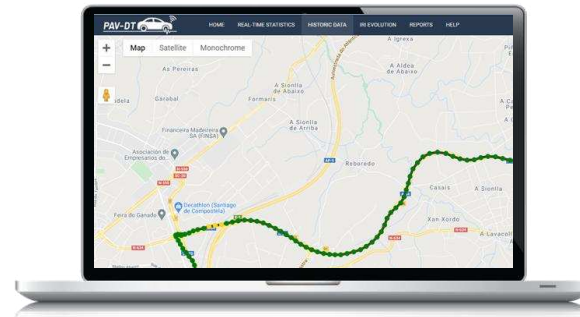
Efficient valorisation of CO2 and bio-waste for long-term energy storage using a microwave plasma torch and quenching using the reverse Boudouard reaction

Call Topic: HORIZON | CL5-2024-D3-01-10 | RIA
 Number: 101172766 | Role: Partner | Duration: 48 Months



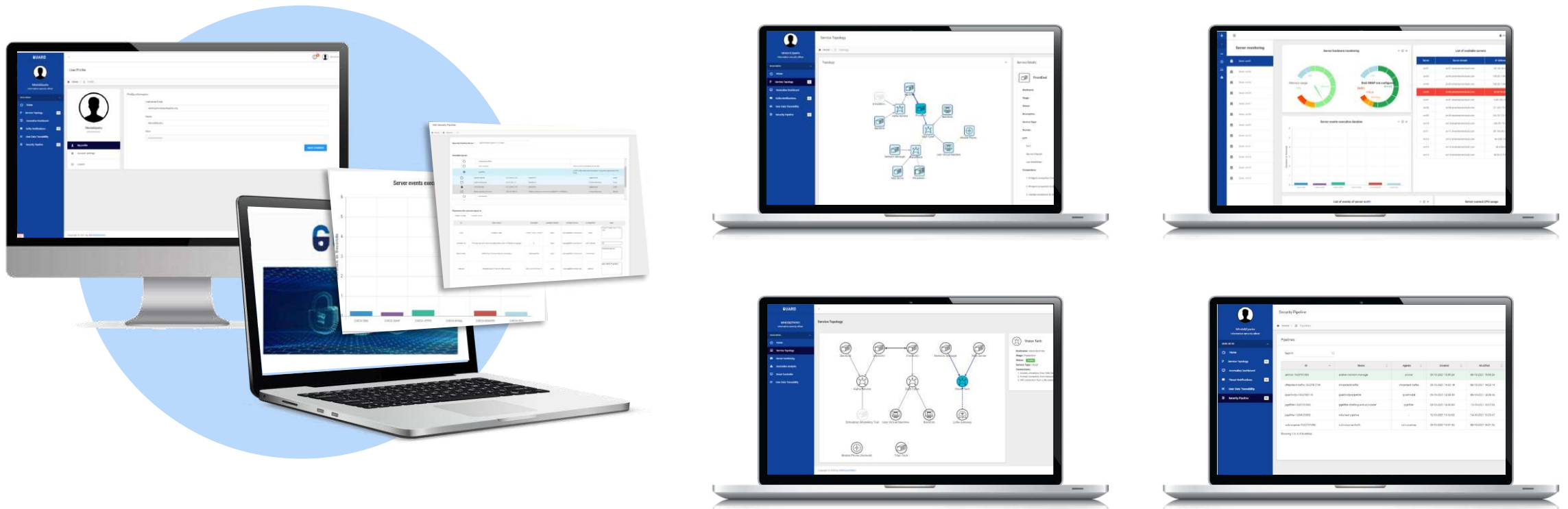
PROJECT EXPERTISE | DESIGN & IMPLEMENTATION

Development | Map Applications | Digital Platforms | User Interfaces



PROJECT EXPERTISE | DESIGN & IMPLEMENTATION

Development | Dashboard Applications | Digital Assets | Web User Interfaces



PROJECT EXPERTISE | DESIGN & IMPLEMENTATION

CATAALOG Marketplace | Active Ageing & Ambient Assisted Living | Commercial Deployment



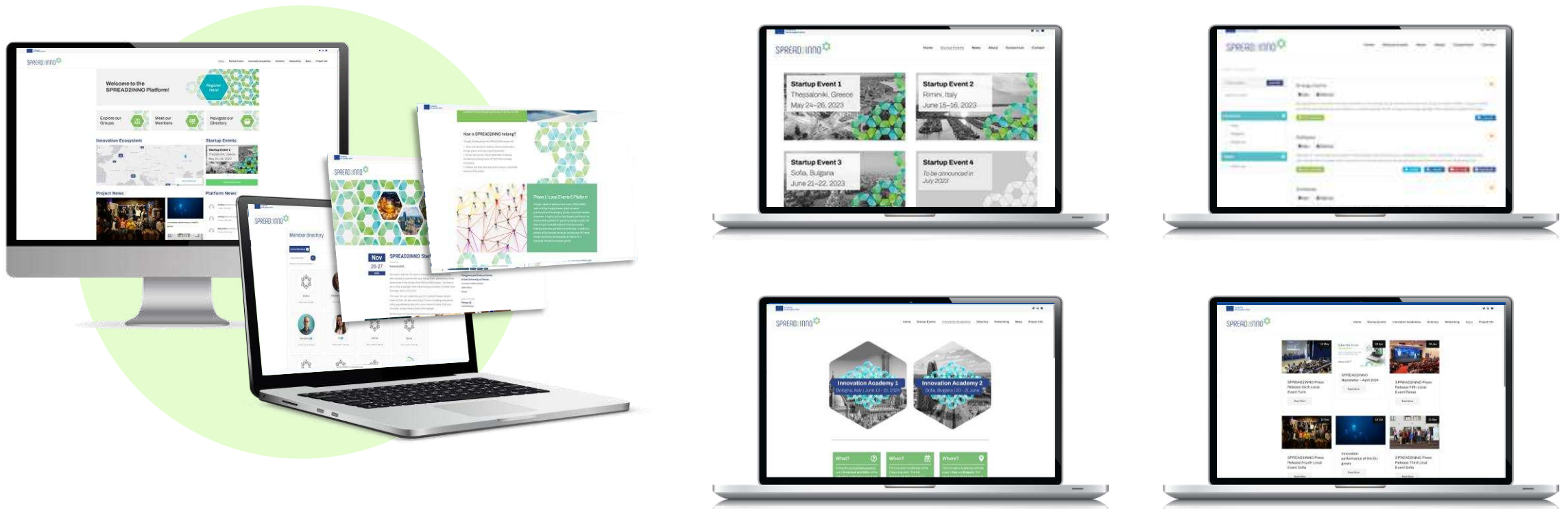
PROJECT EXPERTISE | DESIGN & IMPLEMENTATION

EU-Japan.AI Platform | Custom Modules | Networking & Community | Knowledge Exchange



PROJECT EXPERTISE | DESIGN & IMPLEMENTATION

SPREAD2INNO Web Platform | Custom Modules | One-stop Shop | Networking



PROJECT EXPERTISE | RESEARCH & ANALYSIS

Empirical Research | Analysis of Behavioural, Social & Human Aspects | UI & UX Requirements



PROJECT EXPERTISE | RESEARCH & ANALYSIS

Stakeholder Studies | End-User Requirements | Quantitative & Qualitative Surveys | Empirical Research



PROJECT EXPERTISE | RESEARCH & ANALYSIS

Ecosystem Enlargement | Trust Building | Networking | Outreach Activities



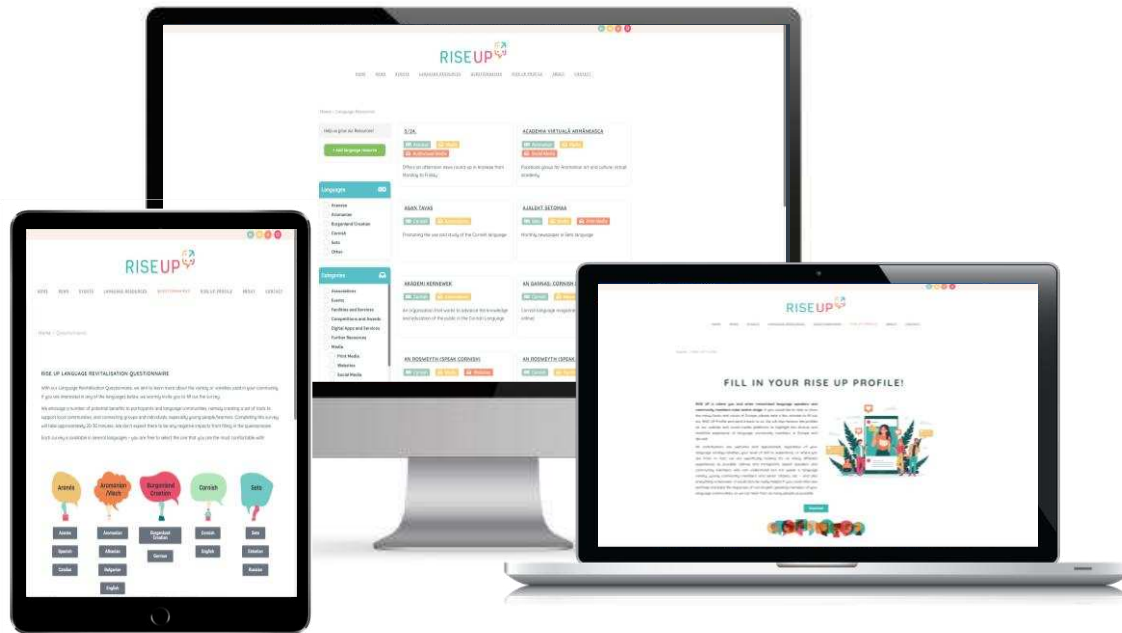
PROJECT EXPERTISE | RESEARCH & ANALYSIS

User Requirements | Stakeholder Surveys | Personas | UI & UX Recommendations



PROJECT EXPERTISE | RESEARCH & ANALYSIS

Ecosystem Enlargement | Stakeholder Involvement | Networking | Community of Interest



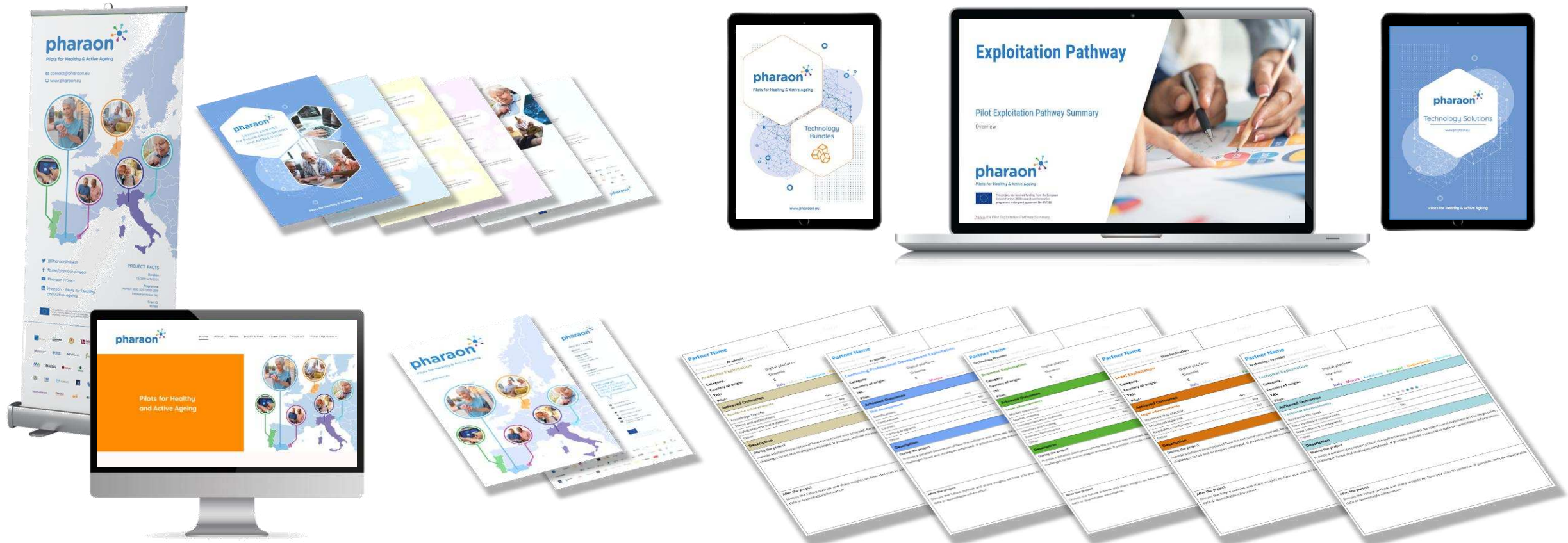
PROJECT EXPERTISE | DISSEMINATION & EXPLOITATION

Project Identity | Social Media | Clustering | Market Research | Exploitation & Innovation Strategy



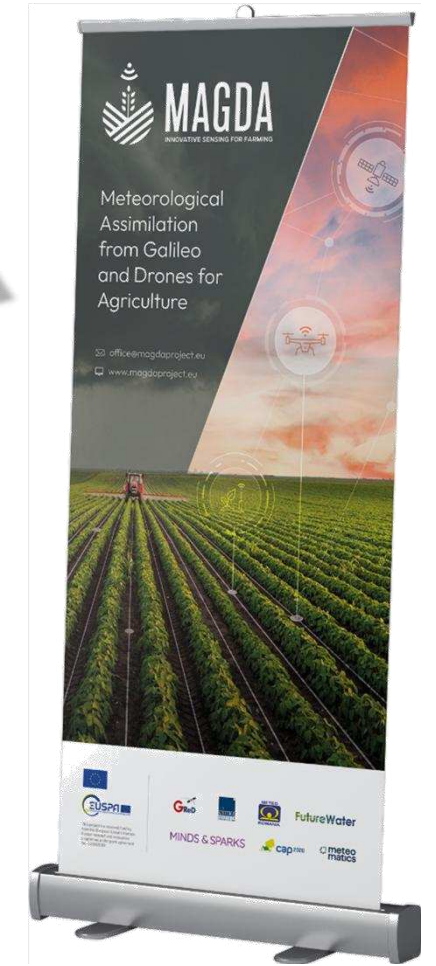
PROJECT EXPERTISE | DISSEMINATION & EXPLOITATION

Project Identity | Promotional Materials | Exploitation & Innovation Management



PROJECT EXPERTISE | DISSEMINATION & EXPLOITATION

Project Website | Social Media & Promotion | Clustering | Market Research & Business Plans



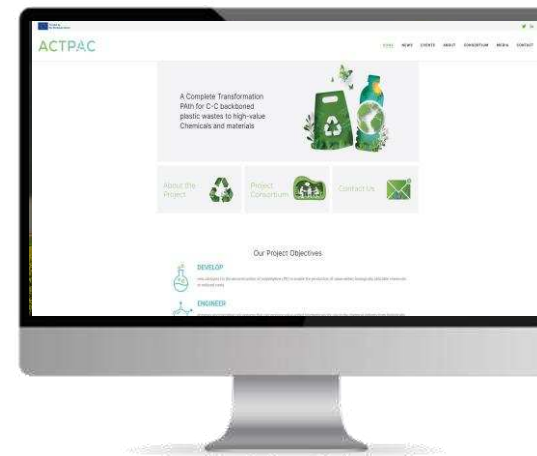
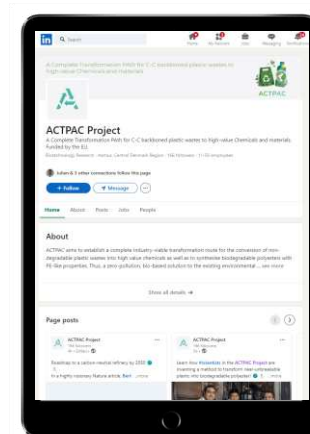
PROJECT EXPERTISE | DISSEMINATION & COMMUNICATION

Project Website | Social Media | Promotional Materials | Personas | Banners & Brochures



PROJECT EXPERTISE | DISSEMINATION & COMMUNICATION

Project Website | Social Media | Visual Identity | Promotional Materials & Banners



PROJECT EXPERTISE | DISSEMINATION & COMMUNICATION

Project Website | Social Media | Event Promotion | Media Kits | Video Production



BIOMATDB | PROJECT DETAILS



Smart Health
& AAL



Information
Technology



Education

Advanced Database for Biomaterials with Data Analysis and Visualisation Tools extended by a Marketplace with Digital Advisors

Programme

Horizon Europe

Funding Scheme

Coordination and Support Action

Call

HORIZON-CL4-2021-RESILIENCE-01

Consortium

12 Partners

Topic

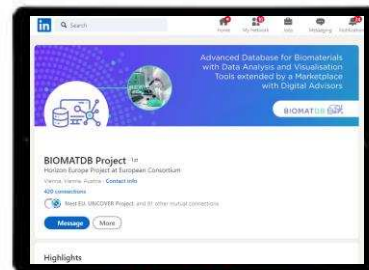
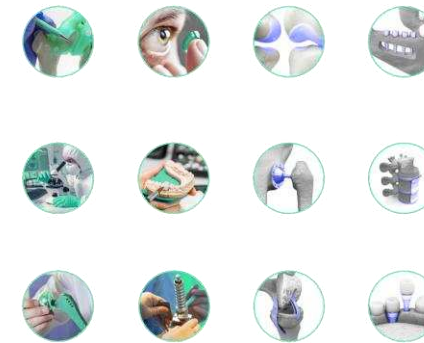
HORIZON-CL4-2021-RESILIENCE-01-25

Duration

30 Months

BIOMATDB | ROLE IN PROJECT - DISSEMINATION & COMMUNICATION

Project Identity & Website | Social Media | Promotional Materials | Banners & Brochures



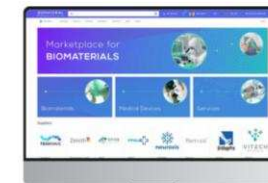
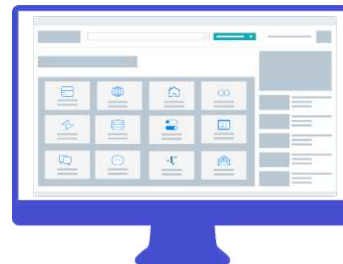
BIOMATDB | ROLE IN PROJECT - DESIGN & IMPLEMENTATION

Development | Application Frontends | Mock-ups | UX Features

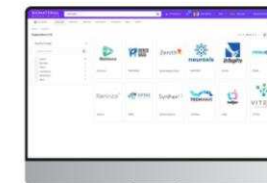
Biomaterial Database



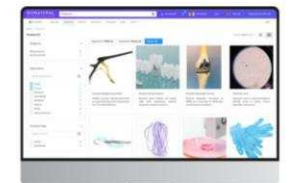
Biomaterial Marketplace



Home



Suppliers



Products



Services



Scenarios



Brochures



News



Events



Labels



RELEVANT EXPERTISE FOR YOUR PROJECT | BIOMATERIALS DOMAIN



EXPLOITATION & COOPERATION

We initiate exploitation and commercialisation measures considering the specific conditions of the targeted ecosystem in Europe and potential further markets creating...

- **Strategies** for effective exploitation activities and sustainable market development measures using established plans, methodologies, tools, and instruments.
- **Cooperation** with vendors, white label distributors, and commercialisation partners providing detailed solution sheets, vendor profiles, and running networking activities.
- **Opportunities** in the investment community by developing investment sheets, reports, and presentations and sharing them with potential investors and strong accelerators.

MARKET SCREENING & ASSESSMENT

We perform extended market screening and assessments based on predefined triggers and criteria providing:

- **Collections** of market players like manufacturers, vendors, or providers of specific solutions, products, and services for selected markets presented with structured lists and profiles
- **Mappings** of local, European or international landscapes and markets including stakeholders, end user organisations, implementers, and associated decision makers.
- **Assessments** of selected products, services, or integrated solutions based on relevant concepts, classifications, technologies, features, interfaces, and further criteria.



RELEVANT EXPERTISE FOR YOUR PROJECT | BIOMATERIALS DOMAIN



AWARENESS RAISING & DISSEMINATION

Dissemination and communication are crucial tasks in all projects in order to increase the impact of the research project. The work, which is usually combined in a dedicated work package, starts with the development of the project identity (logo and colour scheme) and continues as an ongoing activity throughout the entire project lifetime. We provide professional support for the positioning of your project, product, or service with focus on:

- **Visibility** by creating digital and printed materials like leaflets, data sheets, brochures or newsletters to raise awareness on your project, solution, product or service.
- **Distribution** via various online channels and social media using as well our networks and mailing lists to ensure your project outcomes are reaching the right target groups.
- **Engagement** of required networks, stakeholders, end users, app developers, industries, and potential clients by leading mobilisation measures along the whole project lifecycle.





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