REVOLVE

Portfolio

Web Development & Design

August 2024

REVOLVE is dedicated to communicating sustainability, with a focus on water, energy, ecosystems, mobility, and circular economy. We provide communication support to EU-funded projects and work closely with strategic partners to advance their sustainability projects. REVOLVE brings fresh perspectives and creative solutions to improve your outreach and boost your impact.

This portfolio showcases a sample of our best web design work.

Environmental Commitment

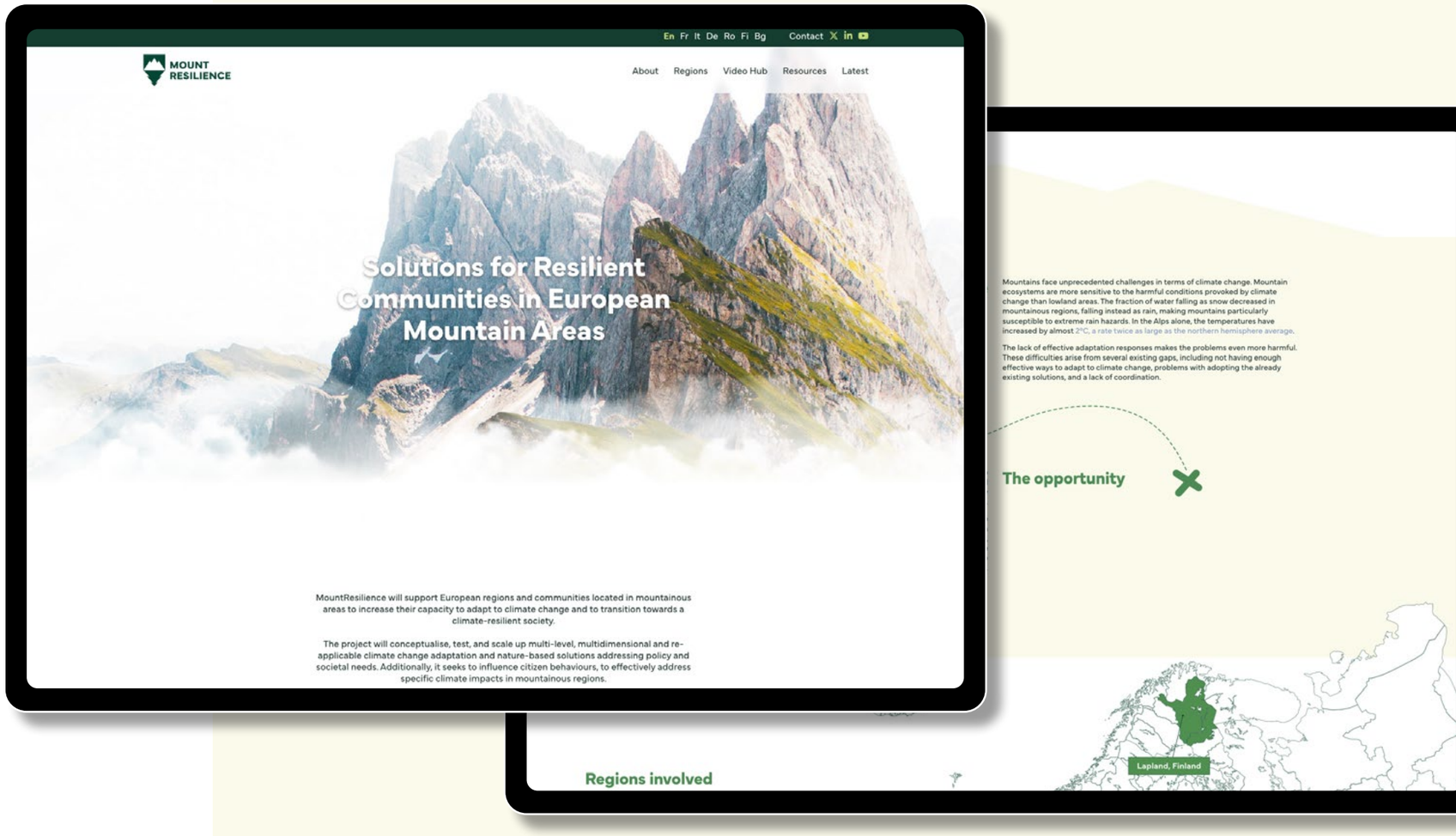
Our websites are run on 100% renewable energy. We chose to host our websites with a company that, like us, has ecology at the heart of their priorities. Infomaniak offsets all their CO_2 emissions by 200%, only using electricity that's certifiably from renewable sources, and systematically favoring local purchases and partners. Moreover Infomaniak undertakes never to indulge in tax avoidance. Data centres are located exclusively in Switzerland.

MOUNT RESILIENCE

Solutions for Resilient Communities in European Mountain Areas

mountresilience.eu

Mount Resilience will support European regions and communities located in mountainous areas to increase their capacity to adapt to climate change and to transition towards a climate-resilient society.



Technical description:

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Language: HTML5 / CSS3 / PHP8.1
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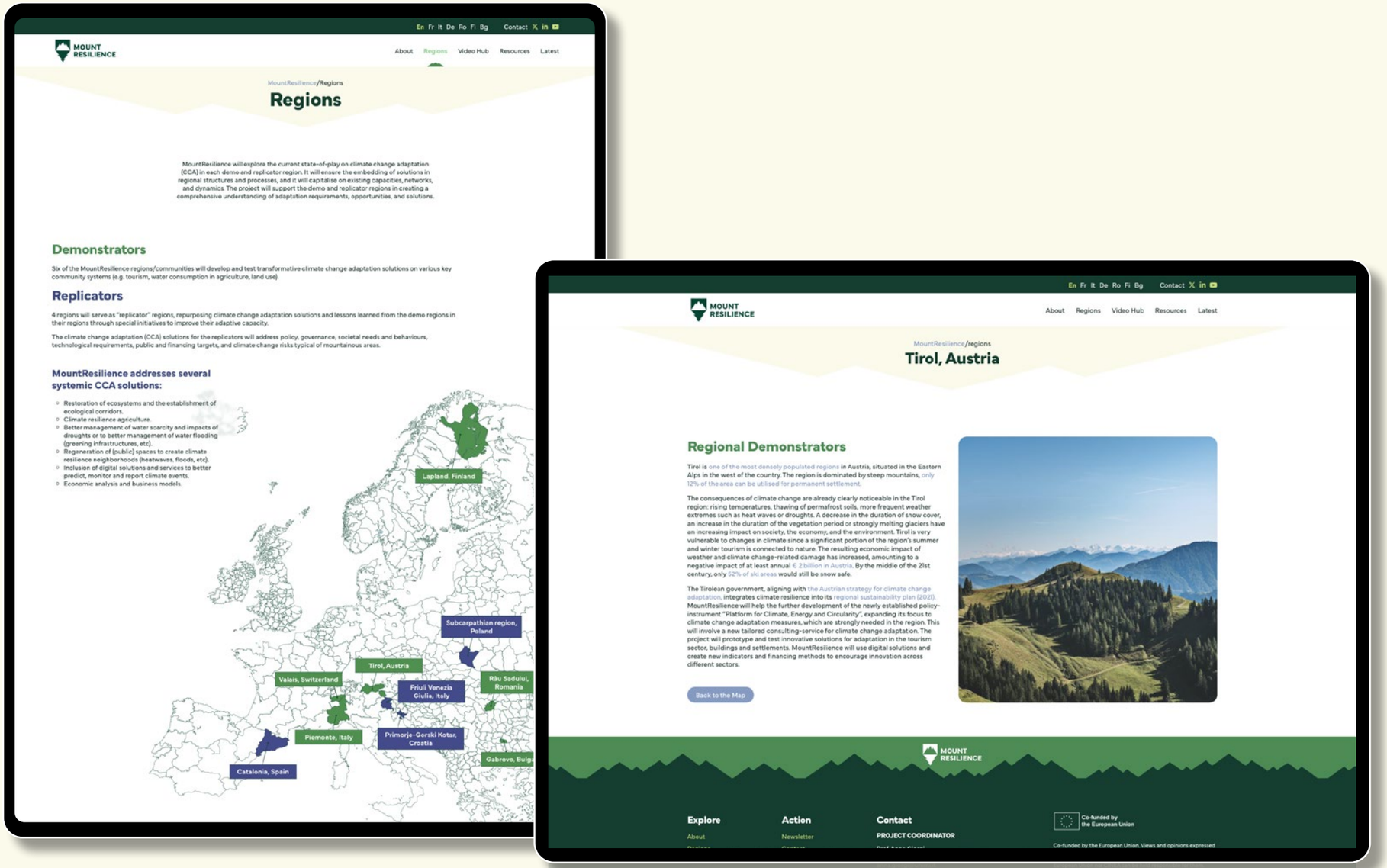
CMS: Wordpress


En Fr It De Ro Fi Bg
Contact
MOUNT RESILIENCE
About
Regions
Video Hub
Resources
Latest
MountResilience/Regions
Regions
MountResilience will explore the current state-of-play on climate change adaptation (CCA) in each demo and replicator region. It will ensure the embedding of solutions in regional structures and processes, and it will capitalise on existing capacities, networks, and dynamics. The project will support the demo and replicator regions in creating a comprehensive understanding of adaptation requirements, opportunities, and solutions.
Demonstrators
Six of the MountResilience regions/communities will develop and test transformative climate change adaptation solutions on various key community systems (e.g. tourism, water consumption in agriculture, land use).
Replicators
4 regions will serve as "replicator" regions, repurposing climate change adaptation solutions and lessons learned from the demo regions in their regions through special initiatives to improve their adaptive capacity.
The climate change adaptation (CCA) solutions for the replicators will address policy, governance, societal needs and behaviours, technological requirements, public and financing targets, and climate change risks typical of mountainous areas.
MountResilience addresses several systemic CCA solutions:
Restoration of ecosystems and the establishment of ecological corridors.
Climate resilience agriculture.
Better management of water scarcity and impacts of droughts or to better management of water flooding (greening infrastructures, etc).
Regeneration of (public) spaces to create climate resilience neighborhoods (heatwaves, floods, etc).
Inclusion of digital solutions and services to better predict, monitor and report climate events.
Economic analysis and business models.
Lapland, Finland
Subcarpathian region, Poland
Tirol, Austria
Valais, Switzerland
Friuli Venezia Giulia, Italy
Rău Sadului, Romania
Piemonte, Italy
Primorje-Gorski Kotar, Croatia
Catalonia, Spain
En Fr It De Ro Fi Bg
Contact
MOUNT RESILIENCE
About
Regions
Video Hub
Resources
Latest
MountResilience/regions
Tirol, Austria
Regional Demonstrators
Tirol is one of the most densely populated regions in Austria, situated in the Eastern Alps in the west of the country. The region is dominated by steep mountains, only 12% of the area can be utilised for permanent settlement.
The consequences of climate change are already clearly noticeable in the Tirol region: rising temperatures, thawing of permafrost soils, more frequent weather extremes such as heat waves or droughts. A decrease in the duration of snow cover, an increase in the duration of the vegetation period or strongly melting glaciers have an increasing impact on society, the economy, and the environment. Tirol is very vulnerable to changes in climate since a significant portion of the region's summer and winter tourism is connected to nature. The resulting economic impact of weather and climate change-related camage has increased, amounting to a negative impact of at least annual € 2 billion in Austria. By the middle of the 21st century, only 52% of ski areas would still be snow safe.
The Tirolean government, aligning with the Austrian strategy for climate change adaptation, integrates climate resilience into its regional sustainability plan (2021). MountResilience will help the further development of the newly established policy-instrument "Platform for Climate, Energy and Circularity", expanding its focus to climate change adaptation measures, which are strongly needed in the region. This will involve a new tailored consulting-service for climate change adaptation. The project will prototype and test innovative solutions for adaptation in the tourism sector, buildings and settlements. MountResilience will use digital solutions and create new indicators and financing methods to encourage innovation across different sectors.
Back to the Map
MOUNT RESILIENCE
Explore
About
Action
Newsletter
Contact
PROJECT COORDINATOR
Co-funded by the European Union
Co-funded by the European Union. Views and opinions expressed
Follow us
PROJECT COMMUNICATION

FER-PLAY

Circular fertilisers for healthy soils

fer-play.eu

FER-PLAY is working to protect ecosystems, decrease EU dependence on fertiliser imports, and improve resource efficiency through the promotion of alternative fertilisers. The project will map and assess alternative fertilisers made from secondary raw materials and highlight their multiple benefits to foster their wide-scale production and application.

Technical description:

Launch year: 2022
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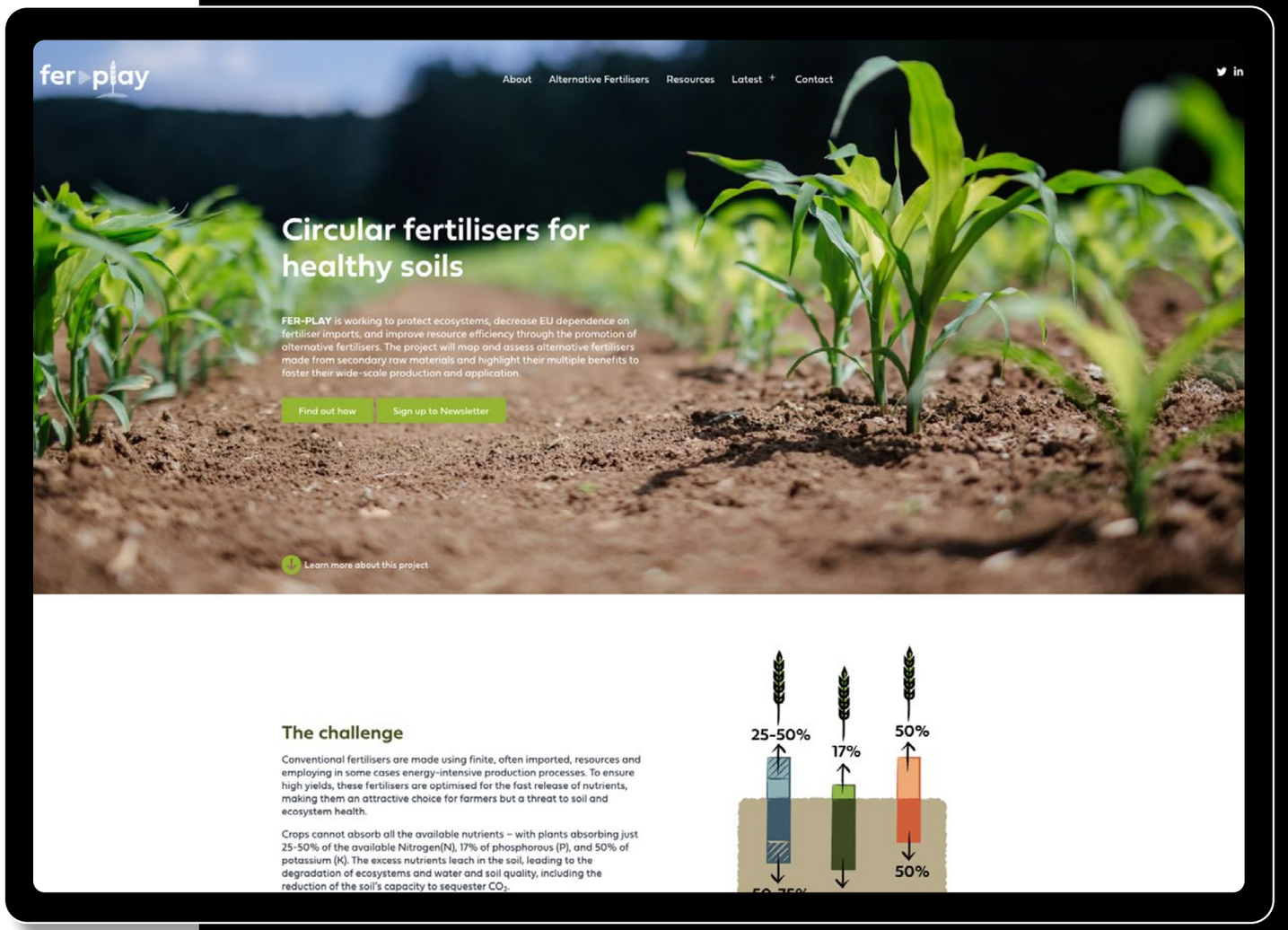
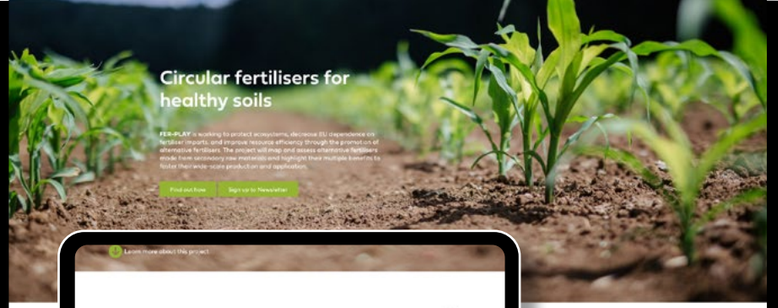
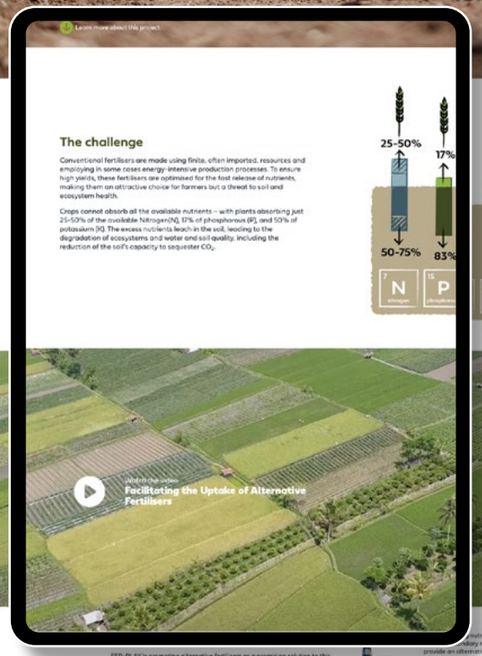
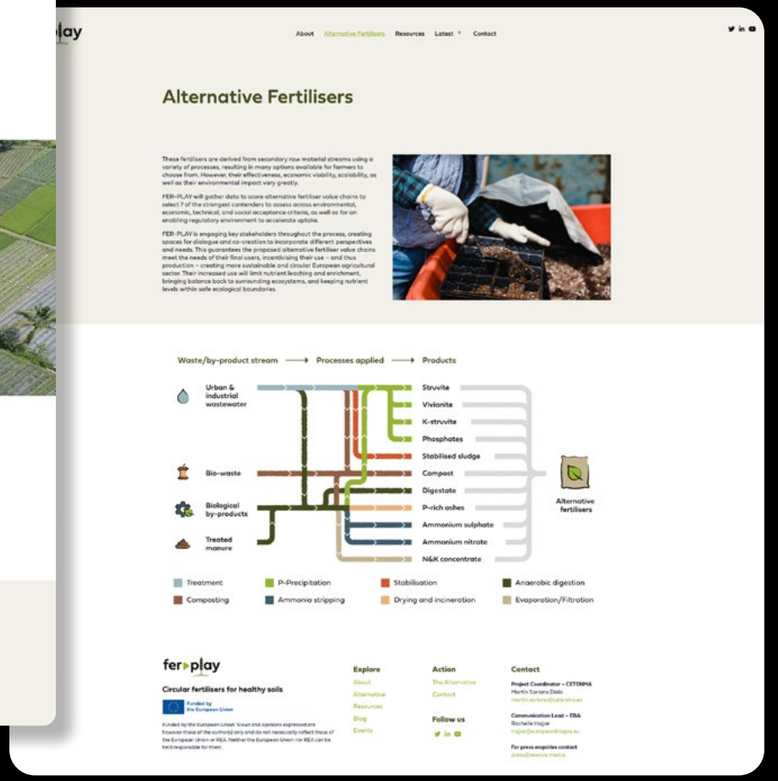
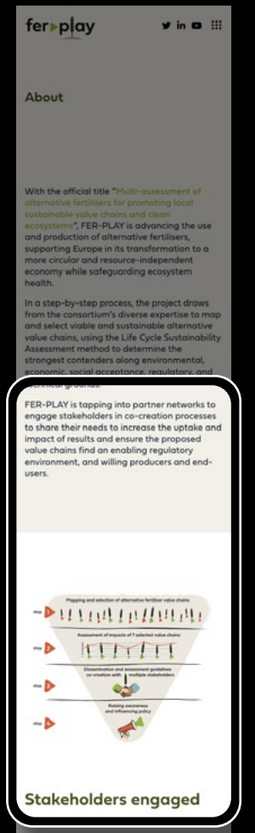
Pages: +15
CMS: Wordpress

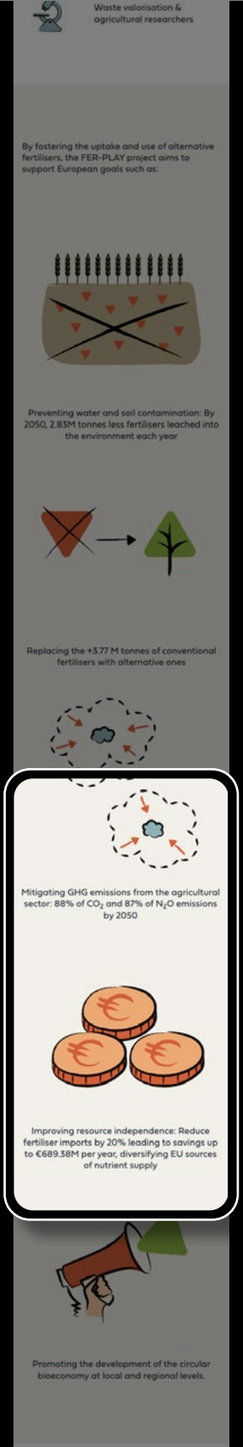



Circular fertilisers for healthy soils


The challenge
25-50%
17%
50-75%
83%
50%
50%
Facilitating the Uptake of Alternative Fertilisers


Alternative Fertilisers
Waste/by-product stream
Processes applied
Products
Urban & industrial wastewater
Bio-waste
Biological by-products
Treated manure
Struvite
Vivianite
K-struvite
Phosphates
Stabilised sludge
Compost
Digestate
P-rich ashes
Ammonium sulphate
Ammonium nitrate
N&K concentrate
Alternative fertilisers
Treatment
P-Precipitation
Stabilisation
Anaerobic digestion
Composting
Ammonia stripping
Drying and incineration
Evaporation/Filtration


About
Stakeholders engaged
Fertiliser producers
Farmers and farmers associations
Public administrations
Waste valorisation & agricultural researchers


Waste valorisation & agricultural researchers
Preventing water and soil contamination: By 2050, 2.83M tonnes less fertilisers leached into the environment each year
Replacing the +3.77 M tonnes of conventional fertilisers with alternative ones
Mitigating GHG emissions from the agricultural sector: 88% of CO2 and 87% of N2O emissions by 2050
Improving resource independence: Reduce fertiliser imports by 20% leading to savings up to €689.38M per year, diversifying EU sources of nutrient supply
Promoting the development of the circular bioeconomy at local and regional levels.

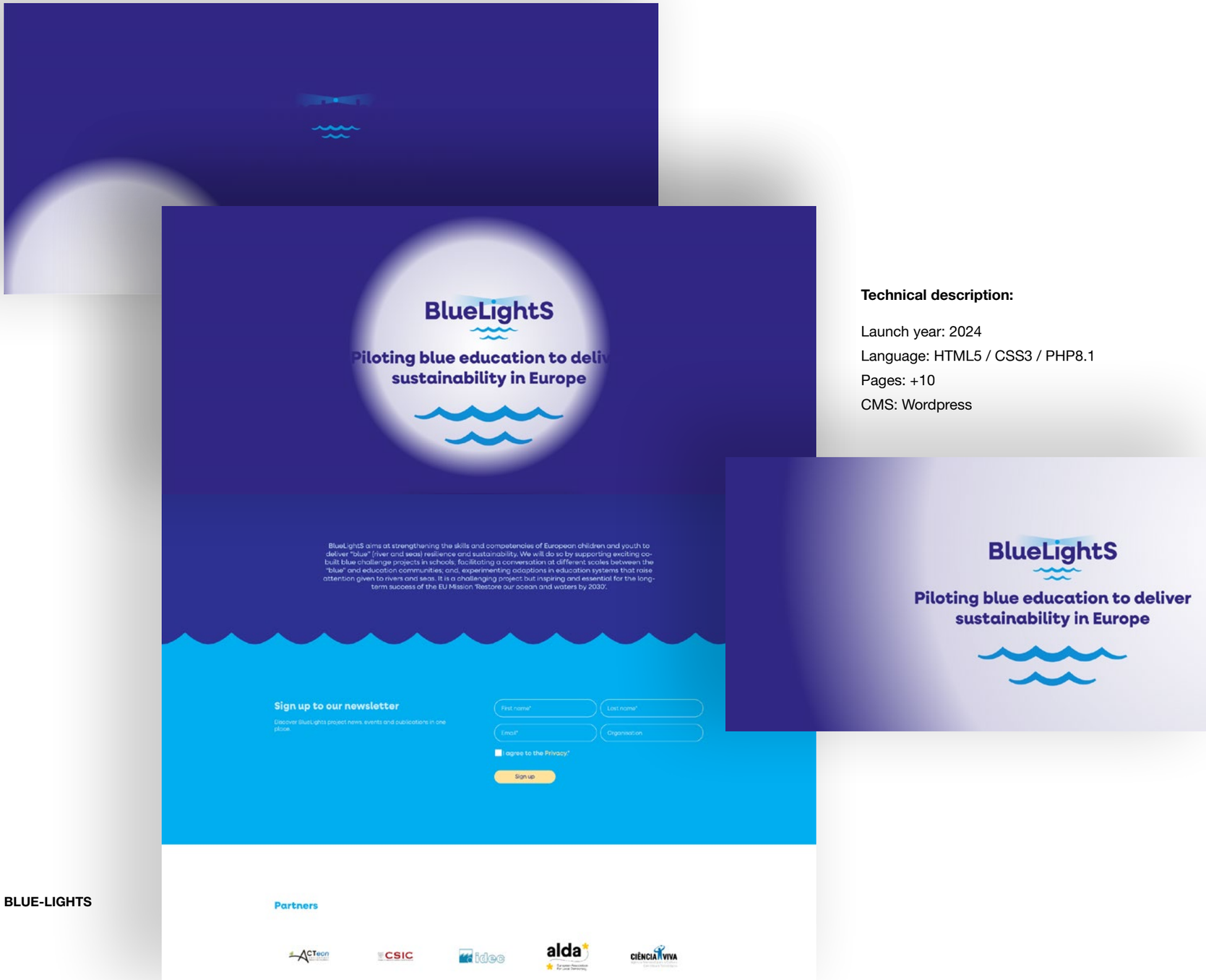
FER-PLAY

Blue-LightS

Piloting blue education to deliver sustainability in Europe

blue-lights.eu

BlueLightS aims at strengthening the skills and competencies of European children and youth to deliver “blue” (river and seas) resilience and sustainability. The project's participants will do so by supporting exciting co-built blue challenge projects in schools - facilitating a conversation at different levels between the “blue” specialists and the education communities. Experimenting with adaptions in education systems to raise attention given to rivers and seas.



Technical description:

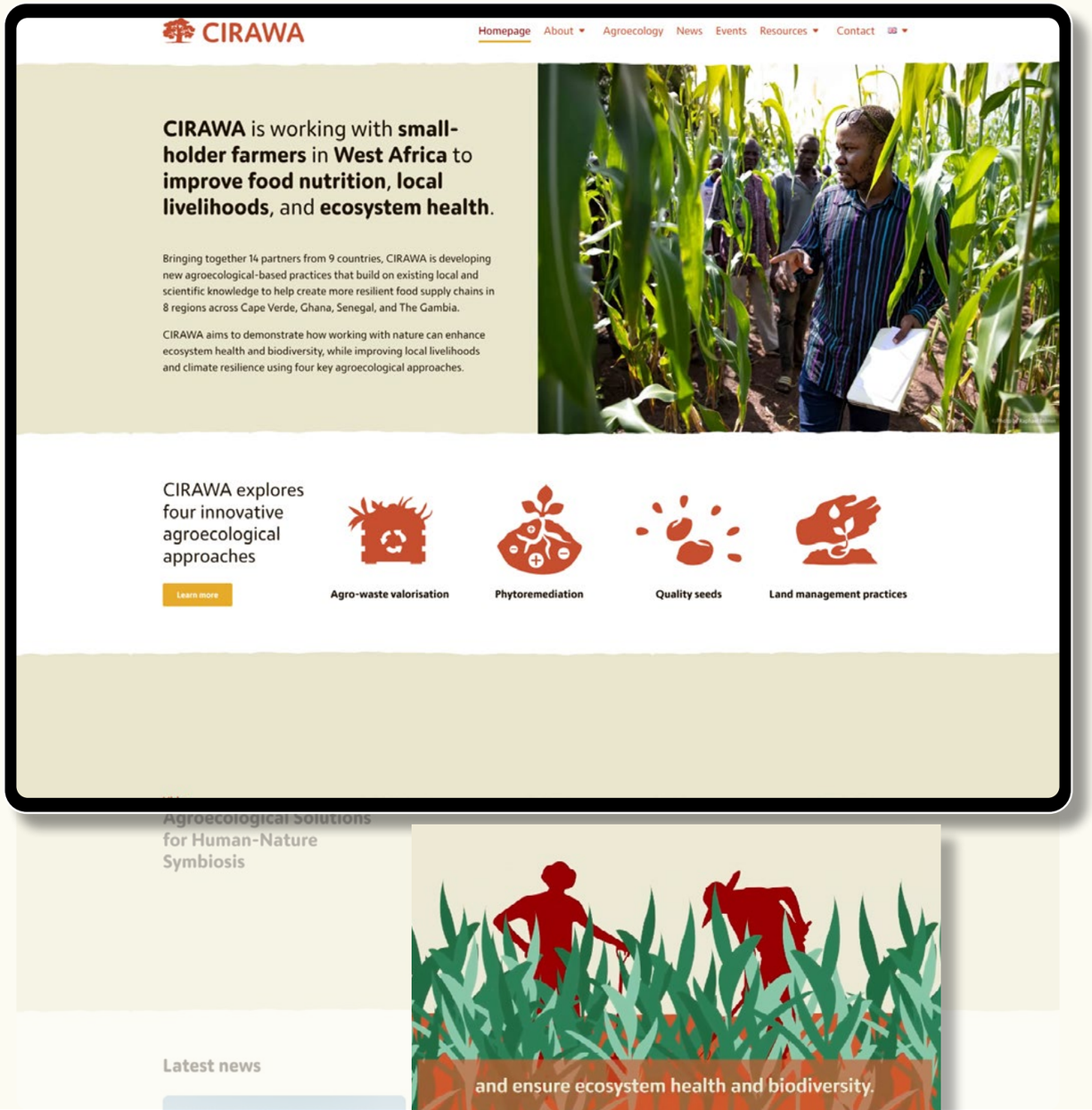
Launch year: 2024
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress

CIRAWA

Agroecological Solutions for Resilient Farming in West Africa

cirawa.eu

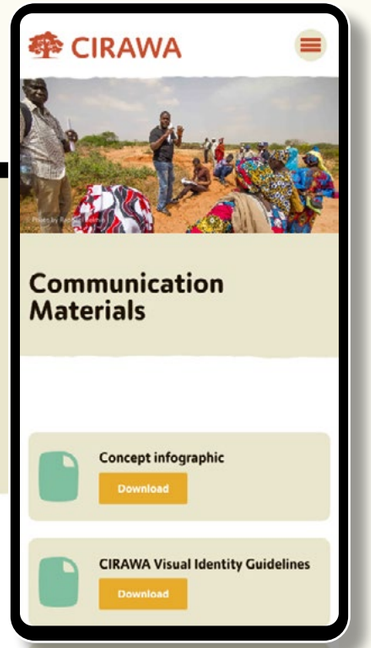
Bringing together 14 partners from 9 countries, CIRAWA is developing new agroecological-based practices that build on existing local and scientific knowledge to help create more resilient food supply chains in 8 regions across Cape Verde, Ghana, Senegal, and The Gambia.

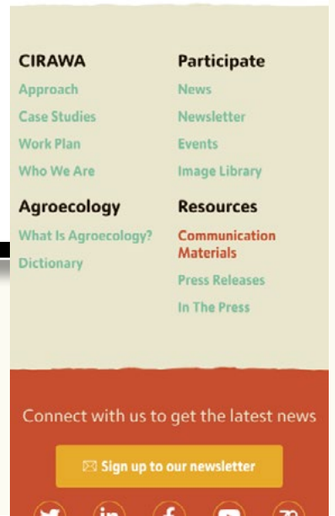


Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress

CIRAWA's Approach
CIRAWA is putting people and ecosystems at the centre, taking ecosystem health as a starting point to unlock multiple natural services and benefits and working closely with small-holder farmers to ensure their needs are met.
CIRAWA is proposing four innovative agroecological strategies that work with nature to improve water quality, climate resilience, agricultural yields, and invigorate local communities and economies by creating novel bio-based products and markets.
CIRAWA explores four innovative agroecological approaches
Agro-waste valorisation
CIRAWA is valorising agro-waste by advancing state-of-the-art technologies, such as composting and vermicomposting, adapted to the needs of local communities to provide high quality composts and bio-based fertilisers from local agricultural resources (e.g. manure) and residues (e.g. millet and rice husk, groundnut shells).
Phytoremediation
CIRAWA is proposing the use of phytoremediation, a biological approach for soil remediation through plant root action. This approach ameliorates saline and sodic soils by cultivating crops that are tolerant to salinity and sodicity. CIRAWA will use an integrated approach that combines phytoremediation with conventional methods (e.g. water washing or drainage) and the use of amendments.
Quality seeds
CIRAWA is emphasising high quality crop and vegetable seed production through advanced seed production techniques, including best quality seed selection, seed raising, seed treatment, seed coating, among others.


CIRAWA
Communication Materials
Concept infographic
Download
CIRAWA Visual Identity Guidelines
Download
CIRAWA Infosheets
Choose language


CIRAWA
Approach
Case Studies
Work Plan
Who We Are
Agroecology
What Is Agroecology?
Dictionary
Participate
News
Newsletter
Events
Image Library
Resources
Communication Materials
Press Releases
In The Press
Connect with us to get the latest news
Sign up to our newsletter

Universidad de Valladolid

CIRAWA
Approach
Case Studies
Work Plan
Who We Are
Agroecology
What Is Agroecology?
Dictionary
Participate
News
Newsletter
Events
Image Library
Resources
Communication Materials
Press Releases
In The Press

NBSOIL

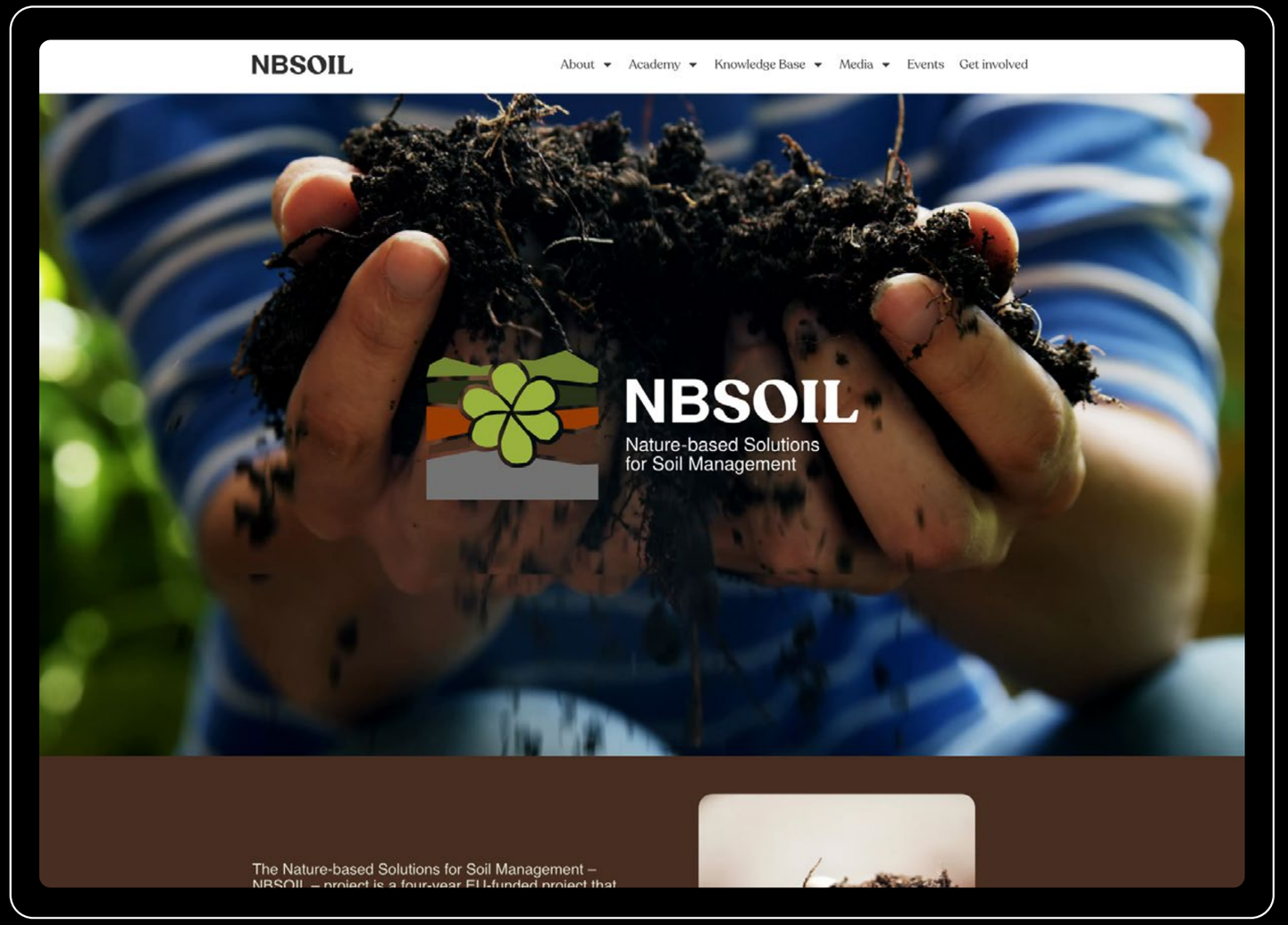
The Nature-based Solutions for Soil Management

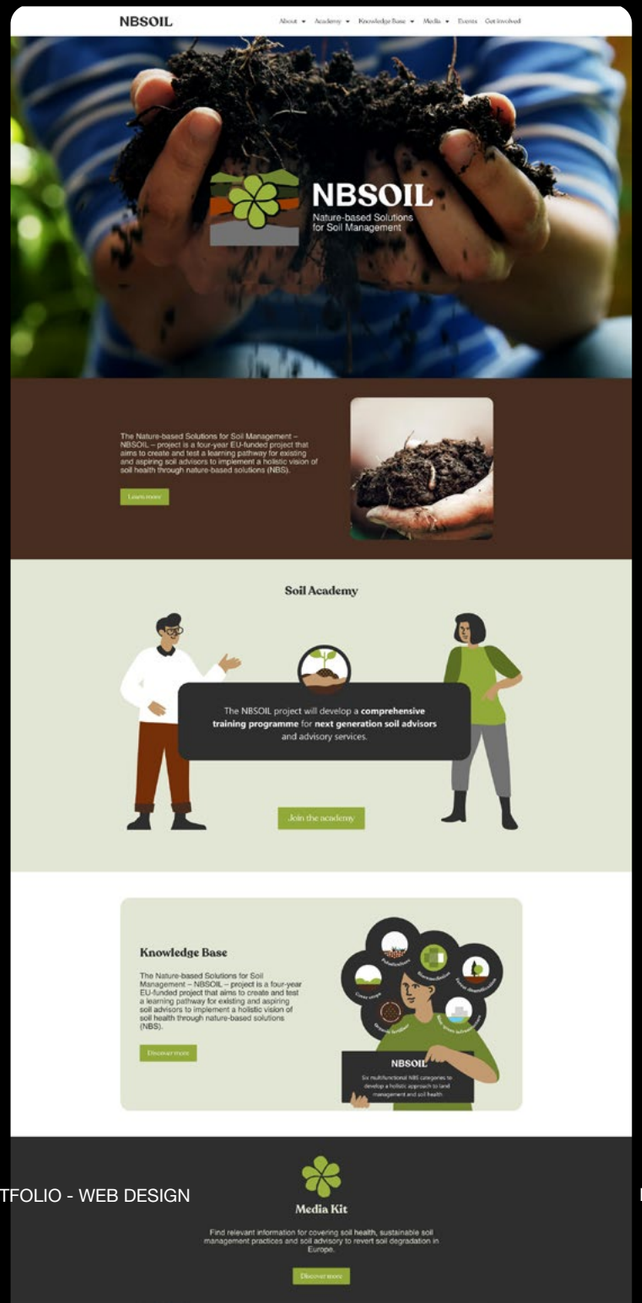
nbsoil.eu

The Nature-based Solutions for Soil Management – NBSOIL – project is a four-year EU-funded project that aims to create and test a learning pathway for existing and aspiring soil advisors to implement a holistic vision of soil health through nature-based solutions (NBS).

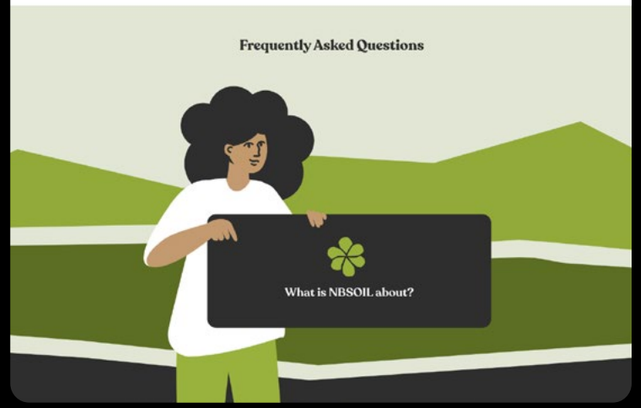
Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP8.1
Pages: +20
CMS: Wordpress

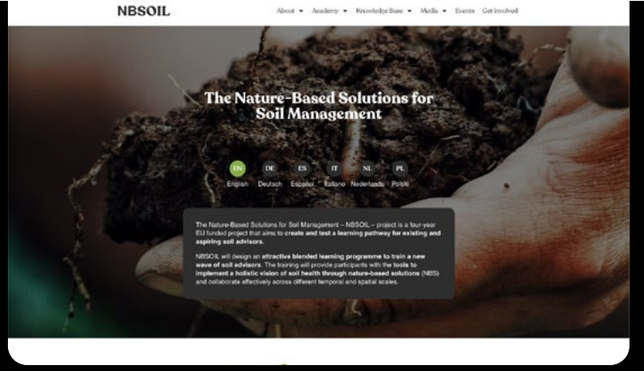


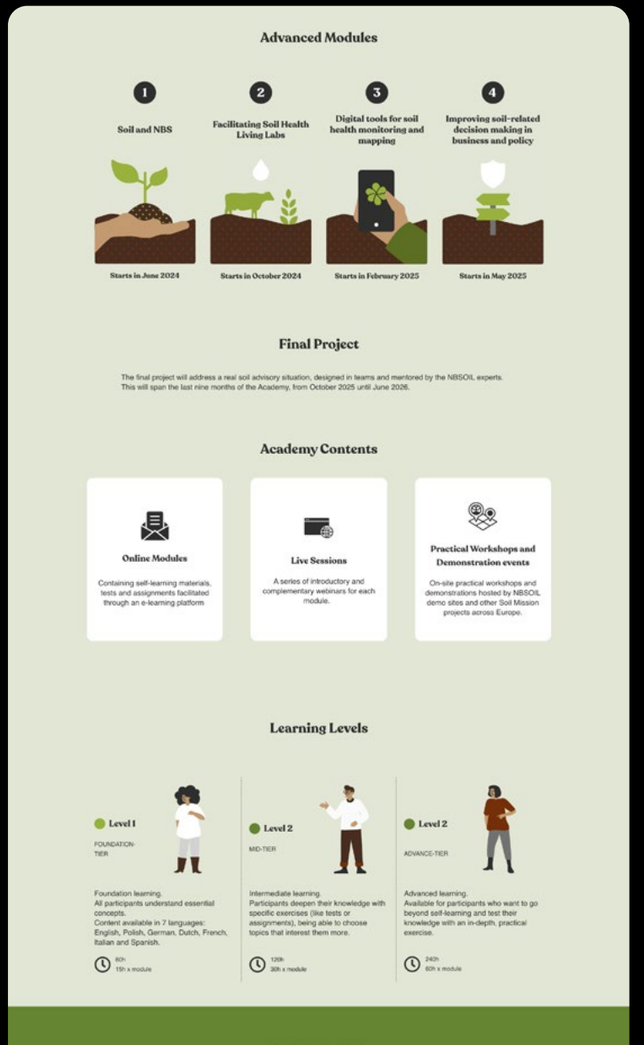

NBSOIL
About
Academy
Knowledge Base
Media
Events
Get involved
NBSOIL
Nature-based Solutions for Soil Management
The Nature-based Solutions for Soil Management – NBSOIL – project is a four-year EU-funded project that aims to create and test a learning pathway for existing and aspiring soil advisors to implement a holistic vision of soil health through nature-based solutions (NBS).
Learn more
Soil Academy
The NBSOIL project will develop a comprehensive training programme for next generation soil advisors and advisory services.
Join the academy
Knowledge Base
The Nature-based Solutions for Soil Management – NBSOIL – project is a four-year EU-funded project that aims to create and test a learning pathway for existing and aspiring soil advisors to implement a holistic vision of soil health through nature-based solutions (NBS).
Discover more
NBSOIL
Media Kit
Find relevant information for covering soil health, sustainable soil management practices and soil advisory to revert soil degradation in Europe.
Discover more

Workpackages
WP1
Knowledge base
WP2
Soil and nature-based solutions
WP3
Prototyping the NBSOIL academy
WP4
Soil sensing and mapping
WP5
Business models and policy framework
WP6
Communication, dissemination and exploitation
WP7
Project management and quality assurance
WP8
Ethics requirements
SA
AERES
CDR
ILOT
IUNG-PIB
IUCN
CNA
BC3
FIRL
ALCN
BOKU
CAPS
UTO
AGRISAT
ITAP
REVOLVE


Frequently Asked Questions
What is NBSOIL about?

Benefits
Organic fertilizer
Cover crops
Paludiculture
Bioremediation
Forest diversification
Green and blue infrastructure
Reduce desertification
Conserve soil organic carbon stocks
Stop soil sealing
Reduce soil pollution
Prevent erosion
Improve soil structure to enhance soil biodiversity


NBSOIL
About
Academy
Knowledge Base
Media
Events
Get involved
The Nature-Based Solutions for Soil Management
EN English
DE Deutsch
ES Español
IT Italiano
NL Nederlands
PL Polski
The Nature-Based Solutions for Soil Management – NBSOIL – project is a four-year EU funded project that aims to create and test a learning pathway for existing and aspiring soil advisors.
NBSOIL will design an attractive blended learning programme to train a new wave of soil advisors. The training will provide participants with the tools to implement a holistic vision of soil health through nature-based solutions (NBS) and collaborate effectively across different temporal and spatial scales.


Advanced Modules
1
Soil and NBS
Starts in June 2024
2
Facilitating Soil Health Living Labs
Starts in October 2024
3
Digital tools for soil health monitoring and mapping
Starts in February 2025
4
Improving soil-related decision making in business and policy
Starts in May 2025
Final Project
The final project will address a real soil advisory situation, designed in teams and mentored by the NBSOIL experts. This will span the last nine months of the Academy, from October 2025 until June 2026.
Academy Contents
Online Modules
Containing self-learning materials, tests and assignments facilitated through an e-learning platform
Live Sessions
A series of introductory and complementary webinars for each module.
Practical Workshops and Demonstration events
On-site practical workshops and demonstrations hosted by NBSOIL demo sites and other Soil Mission projects across Europe.
Learning Levels
Level 1
FOUNDATION-TIER
Foundation learning.
All participants understand essential concepts.
Content available in 7 languages: English, Polish, German, Dutch, French, Italian and Spanish.
60h
15h x module
Level 2
MID-TIER
Intermediate learning.
Participants deepen their knowledge with specific exercises (like tests or assignments), being able to choose topics that interest them more.
120h
60h x module
Level 2
ADVANCE-TIER
Advanced learning.
Available for participants who want to go beyond self-learning and test their knowledge with an in-depth, practical exercise.
240h
60h x module

RESIST

Regions for climate change resilience through Innovation, Science and Technology

resist-project.eu

RESIST is a five-year EU-funded project that has emerged from the need to make regions more resilient to climate change. The effects of environmental changes are a reality affecting our societies in many ways. We need to adapt to the current and predicted effects of climate change by taking action.

Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP7.1
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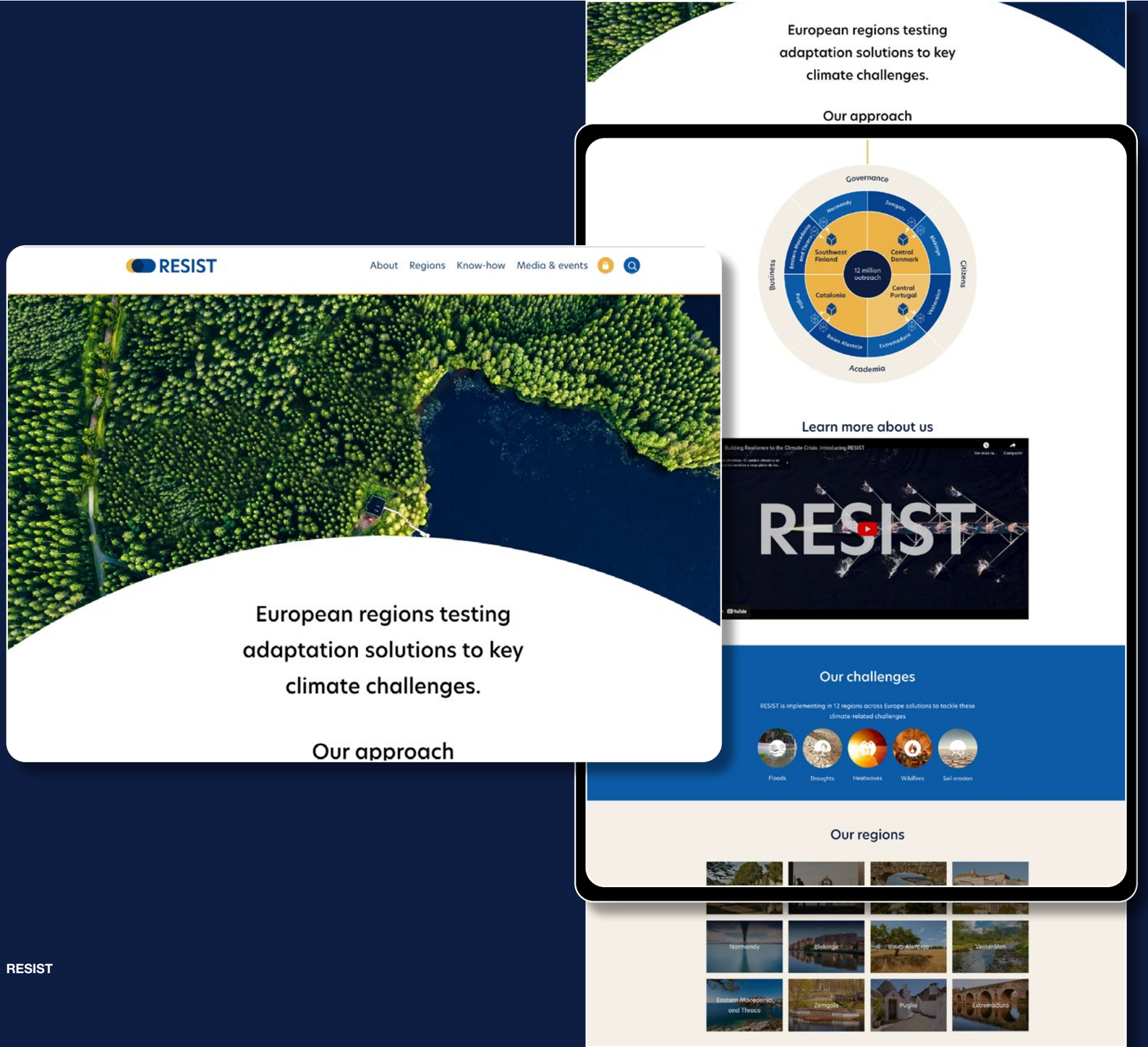
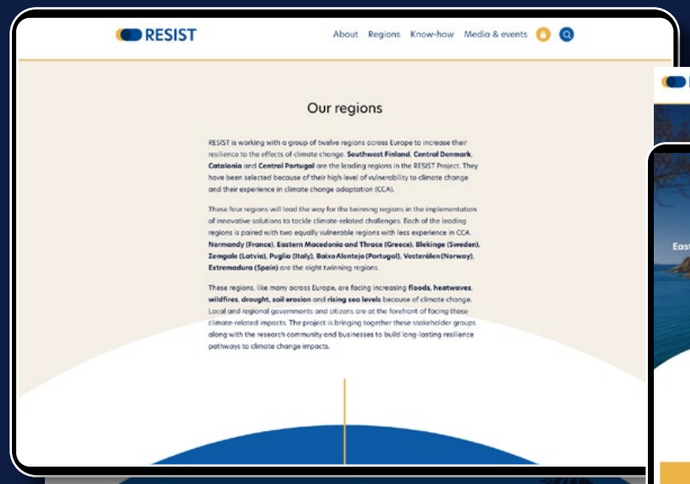
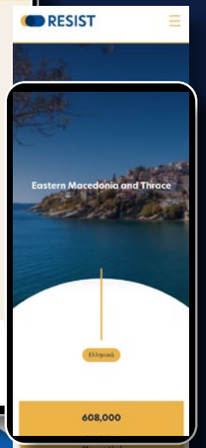
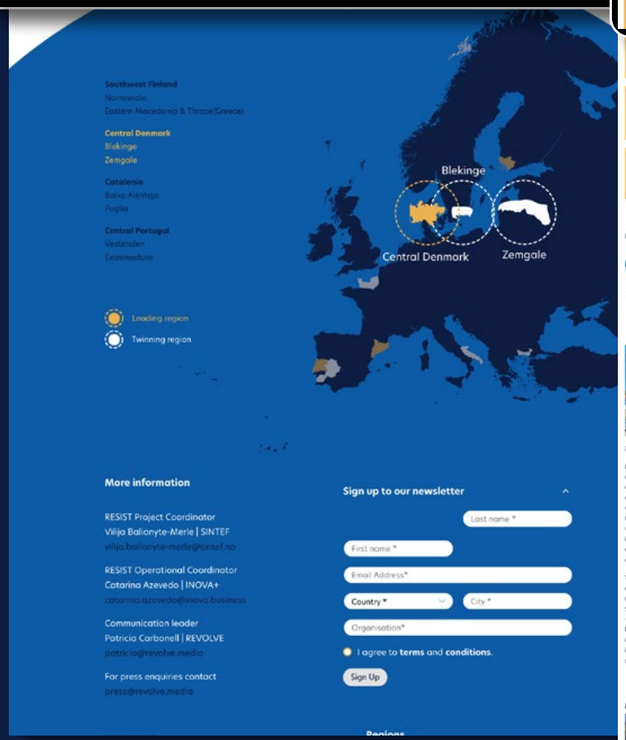



RESIST
About
Regions
Know-how
Media & events
Our regions
RESIST is working with a group of twelve regions across Europe to increase their resilience to the effects of climate change. Southwest Finland, Central Denmark, Catalonia and Central Portugal are the leading regions in the RESIST Project. They have been selected because of their high level of vulnerability to climate change and their experience in climate change adaptation (CCA).
These four regions will lead the way for the twinning regions in the implementation of innovative solutions to tackle climate-related challenges. Each of the leading regions is paired with two equally vulnerable regions with less experience in CCA. Normandy (France), Eastern Macedonia and Thrace (Greece), Blekinge (Sweden), Zemgale (Latvia), Puglia (Italy), Baixo Alentejo (Portugal), Vesterålen (Norway), Extremadura (Spain) are the eight twinning regions.
These regions, like many across Europe, are facing increasing floods, heatwaves, wildfires, drought, soil erosion and rising sea levels because of climate change. Local and regional governments and citizens are at the forefront of facing these climate-related impacts. The project is bringing together these stakeholder groups along with the research community and businesses to build long-lasting resilience pathways to climate change impacts.


RESIST
Eastern Macedonia and Thrace
608,000
Komotini
Main city
14,157km²
Area
-
GDP per capita
Main challenges
Floods
Soil erosion
Region Activities
Xanthi, Eastern Macedonia and Thrace, Greece
Eastern Macedonia and Thrace is one of the 13 administrative regions of Greece. The region is home to unique expanses of total wilderness but also has agricultural traditions, such as cultivating tobacco, wheat and sunflowers, that continue to this day. Eastern Macedonia and Thrace has several Natura 2000 sites vital to the European environment. However, the region is subject to increasing climate change-related problems and disasters that are affecting these significant forest and aquatic ecosystems, as well as its urban areas.
The Greek region is one of the poorest in the EU, according to European Regional Development Fund (ERDF) criteria. The region is less experienced than Southwest Finland and Normandy – its twinning regions – in terms of climate change adaptation. It has not yet been able to establish a coherent road map, which will include specific actions and work to minimize flood impacts, surface water pollution and irrigation water scarcity.
Main challenge


Southwest Finland
Normandie
Eastern Macedonia & Thrace(Greece)
Central Denmark
Blekinge
Zemgale
Catalonia
Baixo Alentejo
Puglia
Central Portugal
Vesterålen
Extremadura
Blekinge
Central Denmark
Zemgale
Leading region
Twinning region
More information
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RESIST Operational Coordinator
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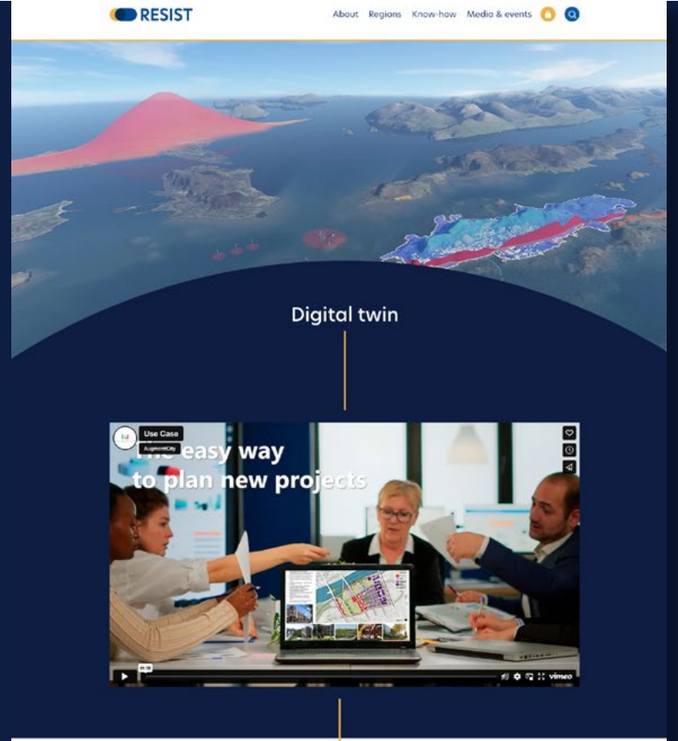
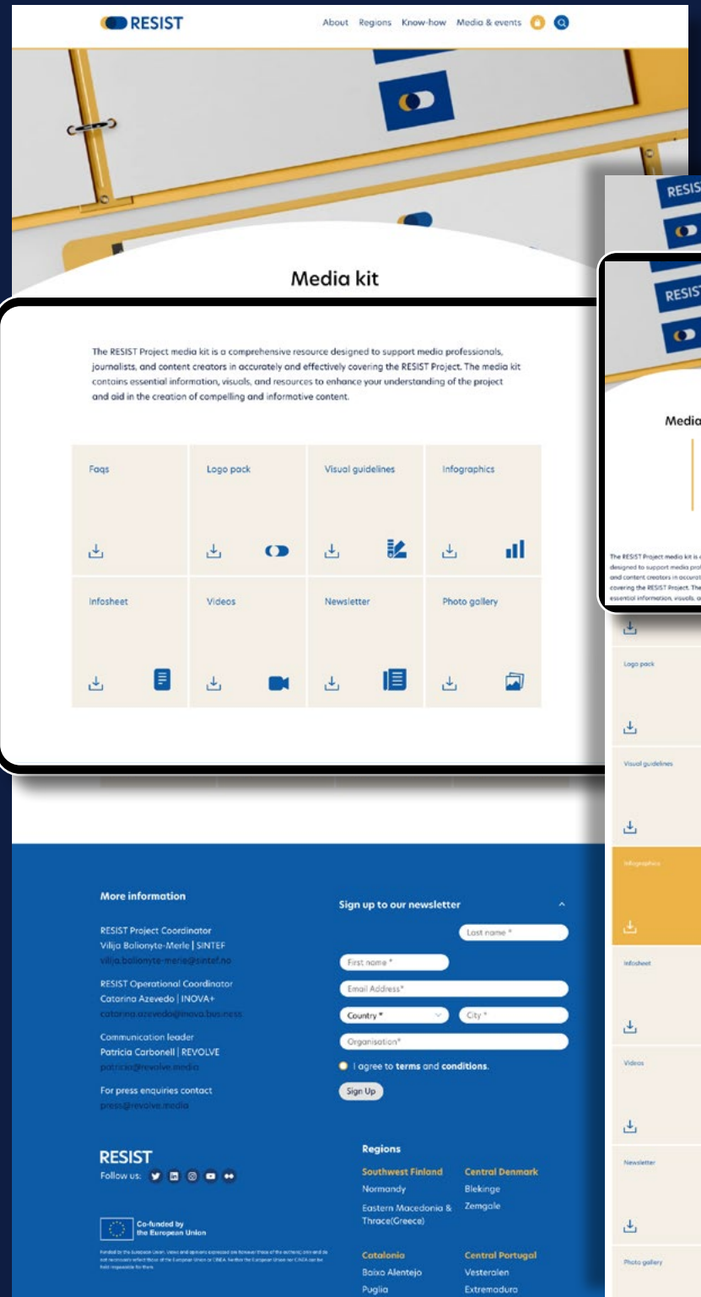
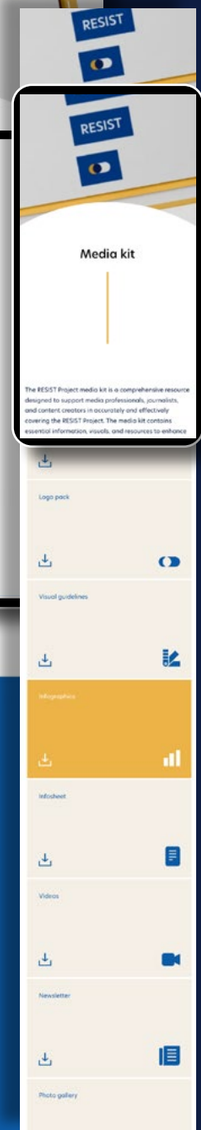
Communication leader
Patricia Carbonell | REVOLVE
patricia@revolve.media
For press enquiries contact
press@revolve.media
Sign up to our newsletter
Last name *
First name *
Email Address*
Country *
City *
Organisation*
I agree to terms and conditions.
Sign Up


RESIST
About
Regions
Know-how
Media & events
Digital twin
Use Case
AugmentCity
easy way
to plan new projects
vimeo

What is a digital twin?
A digital twin is a digital program that can represent and simulate a real-world object, process, service or environment to model how it will behave and perform in reality. Programs that create digital twins can integrate the Internet of things (IoT), artificial intelligence, and software analytics to make outputs as accurate and detailed as possible. Think of a digital twin as a highly accurate and flexible prototype that can be easily modified and used to predict outcomes

Why use a digital twin?
Digital twins have emerged from the need to ensure that new solutions and innovations will perform as intended before further resources are invested in their physical implementation. They can be used across a range of industries to test, model, develop and evaluate a product, service or system.


RESIST
About
Regions
Know-how
Media & events
Media kit
The RESIST Project media kit is a comprehensive resource designed to support media professionals, journalists, and content creators in accurately and effectively covering the RESIST Project. The media kit contains essential information, visuals, and resources to enhance your understanding of the project and aid in the creation of compelling and informative content.
Faqs
Logo pack
Visual guidelines
Infographics
Infosheet
Videos
Newsletter
Photo gallery
More information
RESIST Project Coordinator
Vilija Balionyte-Merle | SINTEF
vilija.balionyte-merle@sintef.no
RESIST Operational Coordinator
Catarina Azevedo | INOVA+
catarina.azevedo@inova.business
Communication leader
Patricia Carbonell | REVOLVE
patricia@revolve.media
For press enquiries contact
press@revolve.media
Sign up to our newsletter
Last name *
First name *
Email Address*
Country *
City *
Organisation*
I agree to terms and conditions.
Sign Up
RESIST
Follow us:
Co-funded by the European Union
Regions
Southwest Finland
Normandy
Eastern Macedonia & Thrace(Greece)
Central Denmark
Blekinge
Zemgale
Catalonia
Baixo Alentejo
Puglia
Central Portugal
Vesterålen
Extremadura


RESIST
Media kit
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Logo pack
Visual guidelines
Infographics
Infosheet
Videos
Newsletter
Photo gallery

WATER-MINING

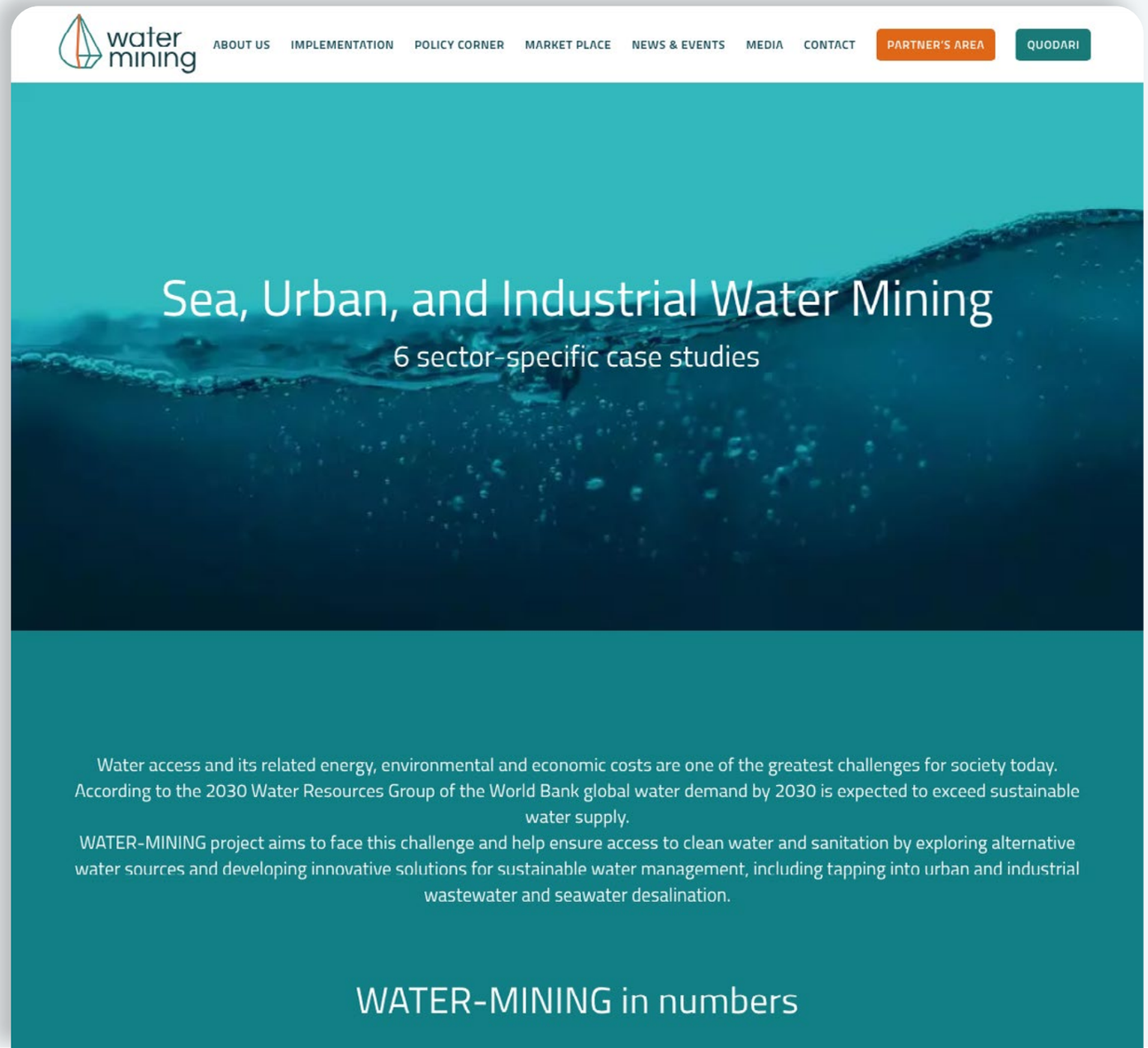
Next Generation Smart Water Management Systems

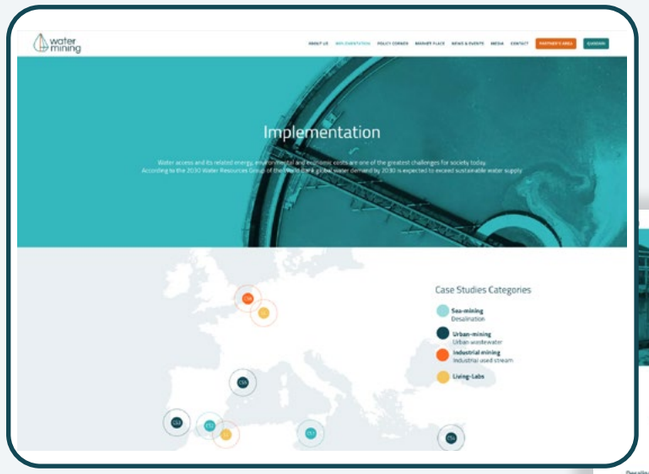
watermining.eu

The project aims to face this challenge and help ensure access to clean water and sanitation by exploring alternative water sources and developing innovative solutions for sustainable water management, including tapping into urban and industrial wastewater and seawater desalination.

Technical description:

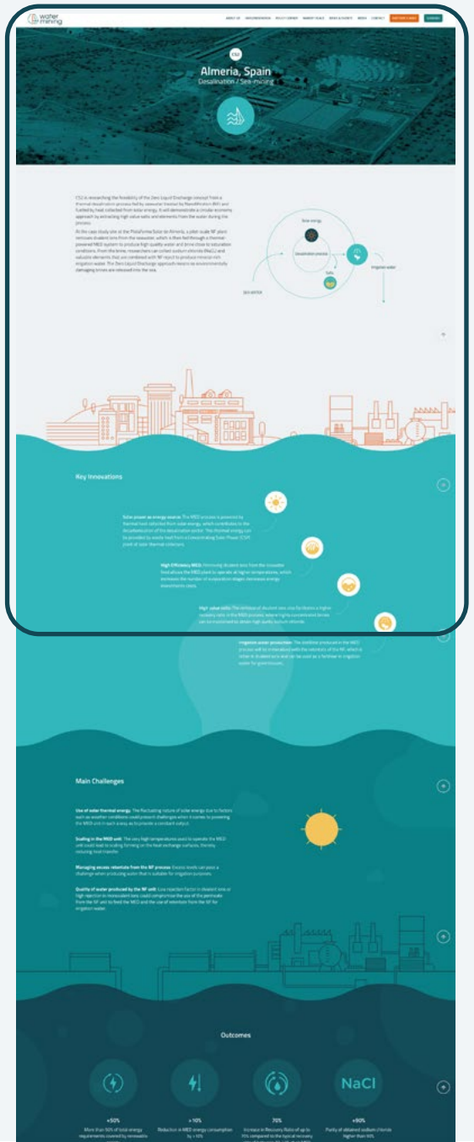
Launch year: 2020
Language: HTML5 / CSS3 / PHP8.1
Pages: +15
CMS: Wordpress

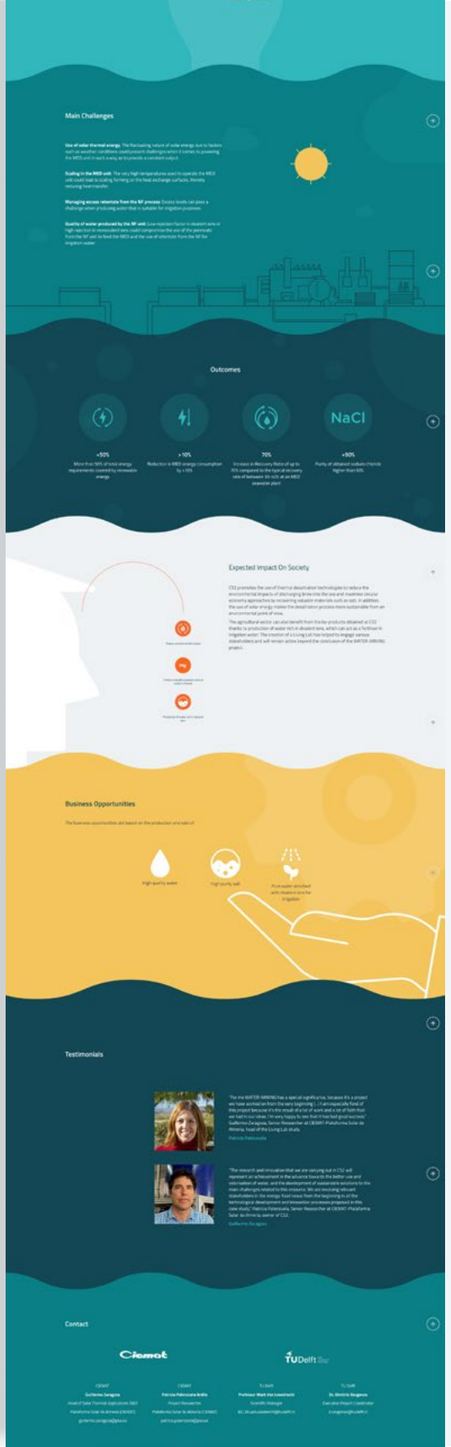



water mining
Implementation
Case Studies Categories
Sea-mining
Desalination
Urban-mining
Urban wastewater
Industrial mining
Industrial used stream
Living-Labs

Case Studies
Water as a resource
Water as a consumable
Water as a durable
Desalination / Sea-Mining
Urban Mining
Industrial Mining
Services
Download our leaflet and learn more about our project

water mining
Case Studies
Consumable
Over the course of the 20th century, the world population tripled, and together with the increased levels of consumption and living standards, water demand has substantially increased. Urban water consumption is just a small fraction of the total human water use, but it remains an important potential alternative water source.
Water as a durable
Durable goods are defined as goods used for final consumption repeatedly over a period of more than one year. The development it of innovative technologies is seen as an opportunity for reducing water demand in industrial sectors.
Desalination / Sea-Mining
Urban Mining
Industrial Mining
Port of Rotterdam


Almeria, Spain
Desalination / Sea-mining
Key Innovations
Main Challenges
Outcomes
NaCl

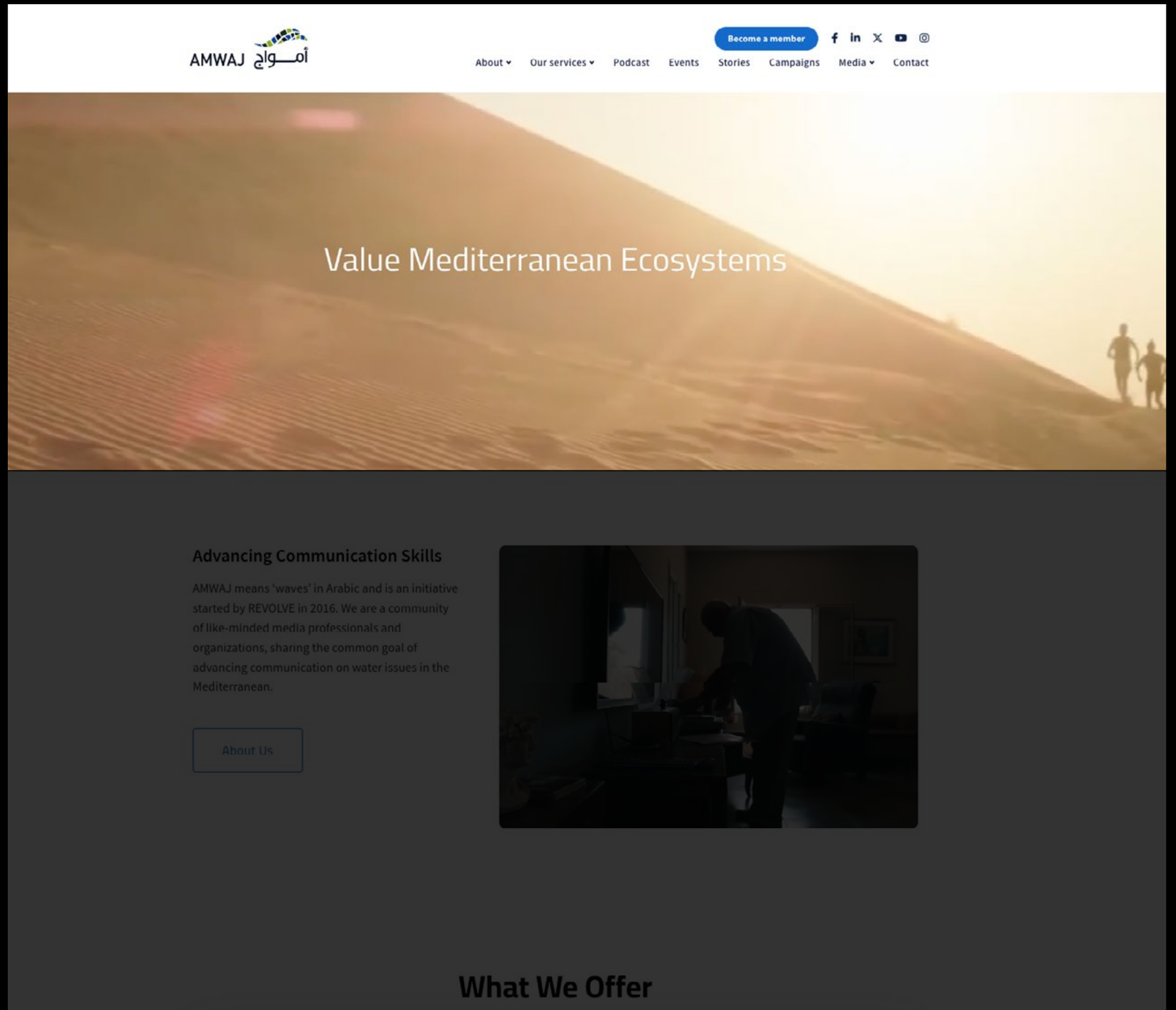

Main Challenges
Outcomes
NaCl
Expected Impact On Society
Business Opportunities
Testimonials
Contact

AMWAJ

Value Mediterranean Ecosystems

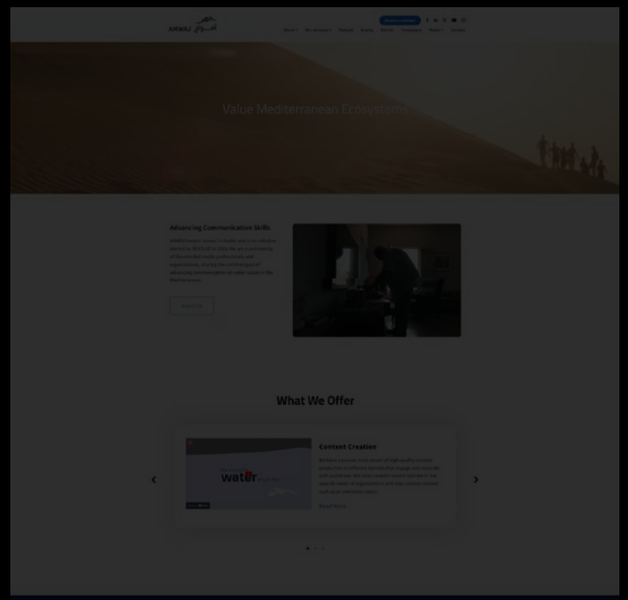
amwaj-alliance.com

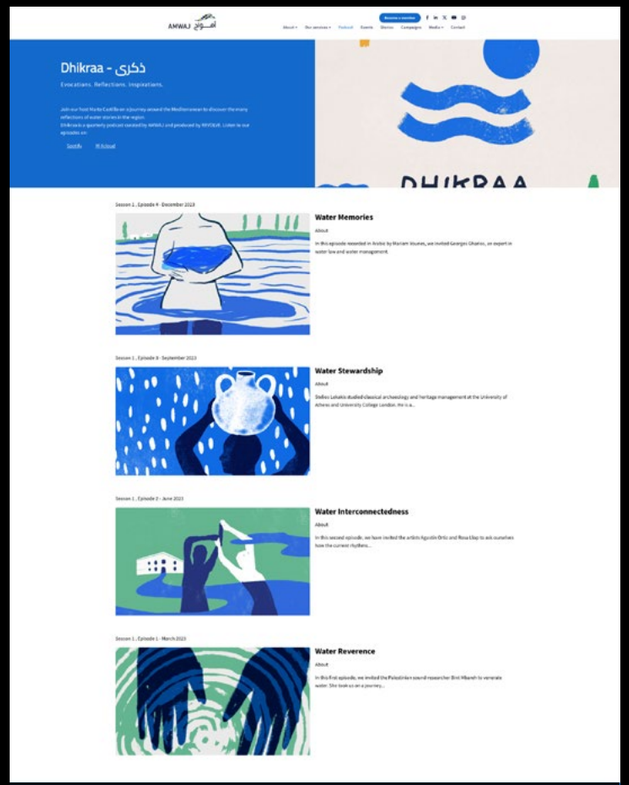
AMWAJ means ‘waves’ in Arabic and is an initiative started by REVOLVE in 2016. We are a community of like-minded media professionals and organizations, sharing the common goal of advancing communication on water issues in the Mediterranean.

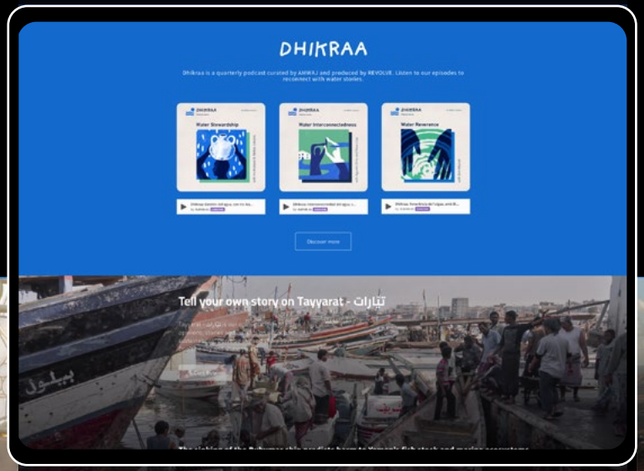


Technical description:

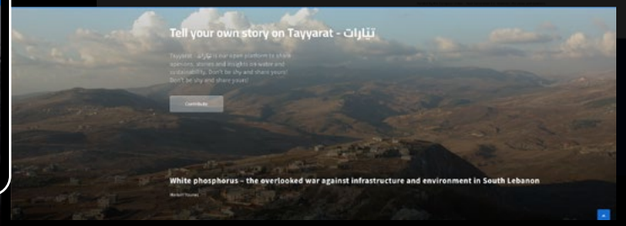
Launch year: 2020
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress

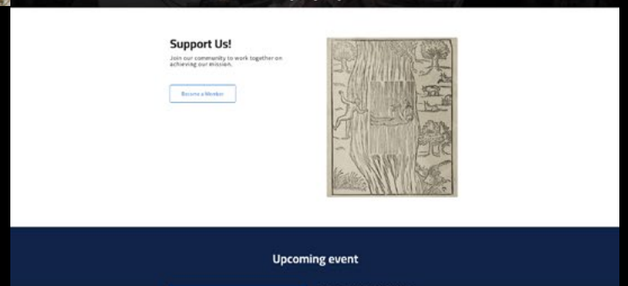

Value Mediterranean Ecosystems
What We Offer
Content Creation


Dhikraa - ذكرى
Water Memories
Water Stewardship
Water Interconnectedness
Water Reverence

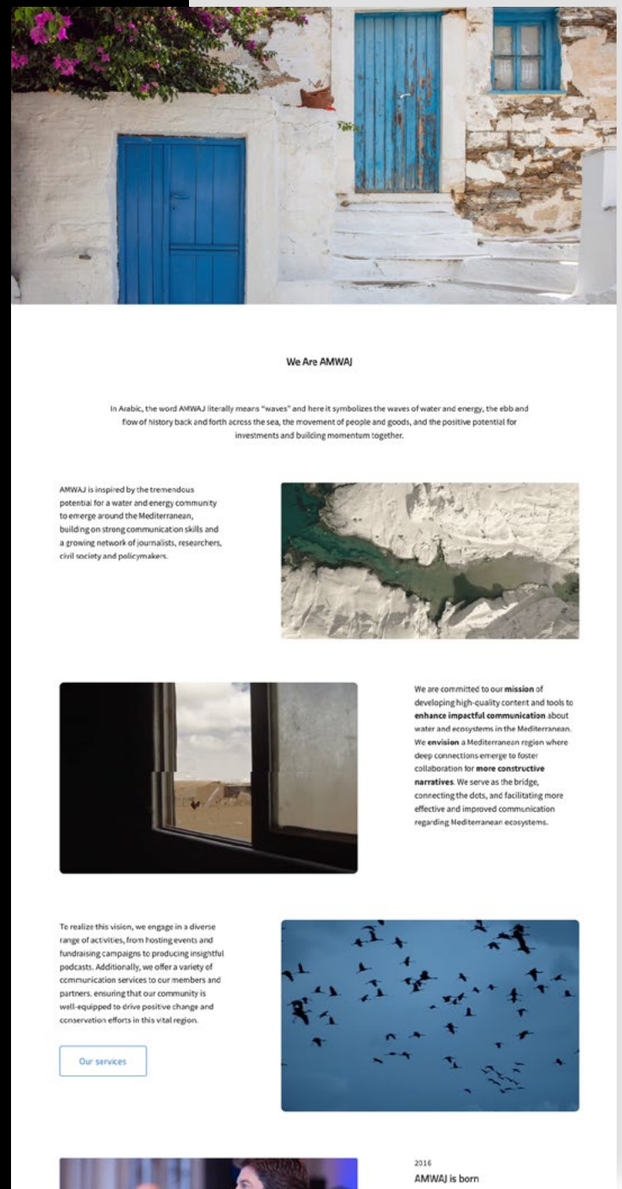

DHIKRAA
Tell your own story on Tayyarat - تيارات

UNITE.
ACT.


Tell your own story on Tayyarat - تيارات
White phosphorus - the overlooked war against infrastructure and environment in South Lebanon


Support Us!
Become a Member
Upcoming event

AMWAJ


We Are AMWAJ
In Arabic, the word AMWAJ literally means "waves" and here it symbolizes the waves of water and energy, the ebb and flow of history back and forth across the sea, the movement of people and goods, and the positive potential for investments and building momentum together.
AMWAJ is inspired by the tremendous potential for a water and energy community to emerge around the Mediterranean, building on strong communication skills and a growing network of journalists, researchers, civil society and policymakers.
We are committed to our mission of developing high-quality content and tools to enhance impactful communication about water and ecosystems in the Mediterranean. We envision a Mediterranean region where deep connections emerge to foster collaboration for more constructive narratives. We serve as the bridge, connecting the dots, and facilitating more effective and improved communication regarding Mediterranean ecosystems.
To realize this vision, we engage in a diverse range of activities, from hosting events and fundraising campaigns to producing insightful podcasts. Additionally, we offer a variety of communication services to our members and partners, ensuring that our community is well-equipped to drive positive change and conservation efforts in this vital region.
Our services
2016
AMWAJ is born

ReWater MENA

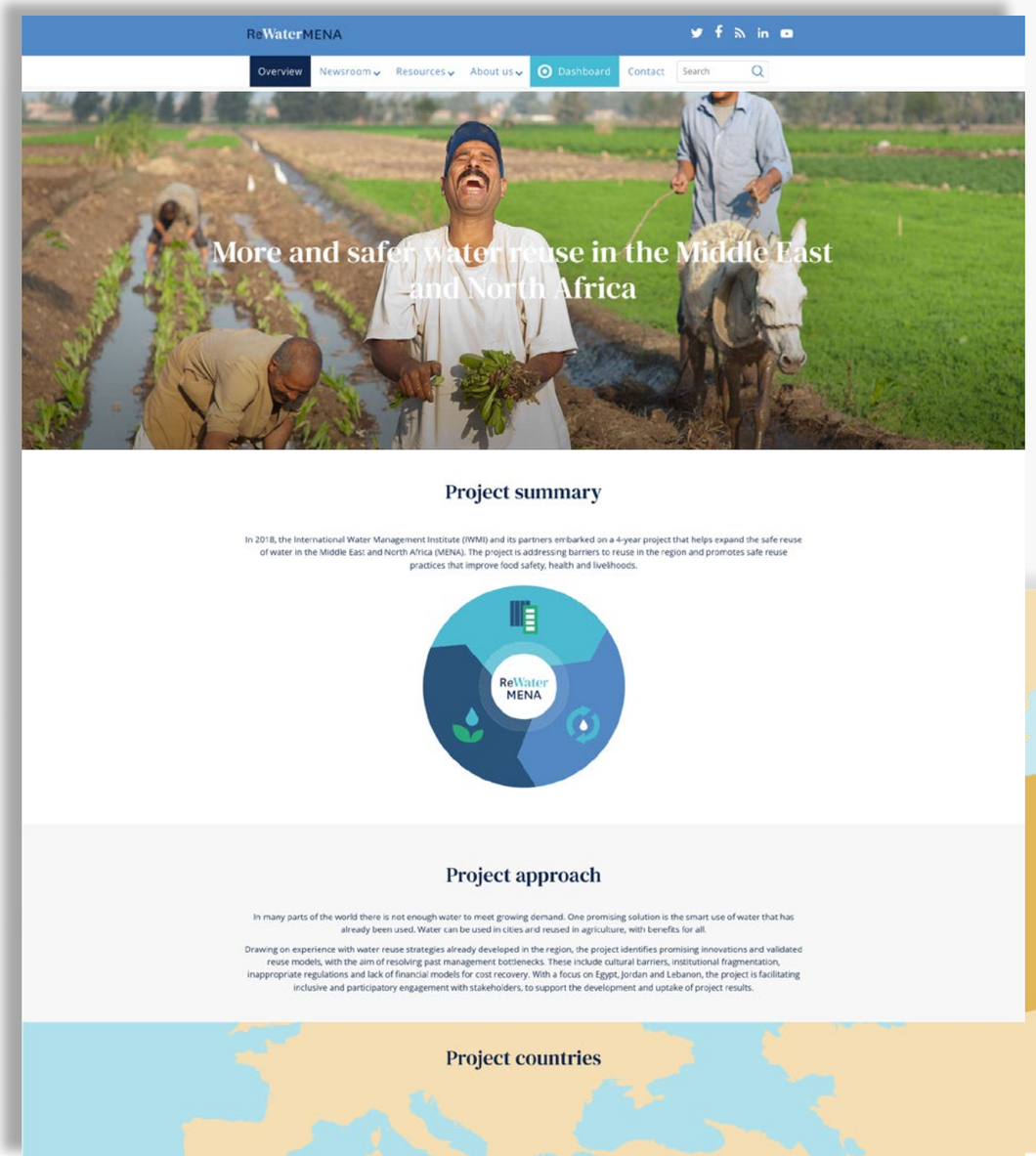
More and safer water reuse in the Middle East and North Africa

rewater-mena.iwmi.org

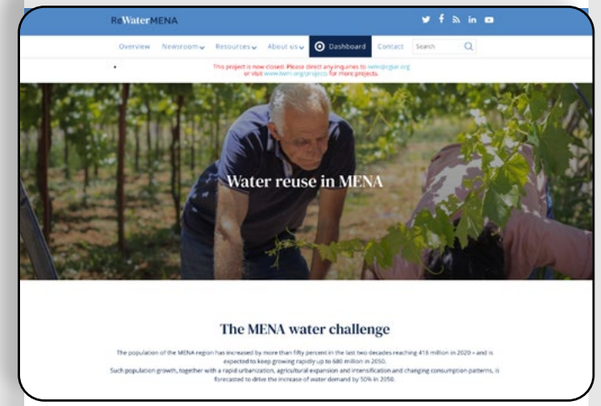
In 2018, the International Water Management Institute (IWMI) and its partners embarked on a 4-year project that helps expand the safe reuse of water in the Middle East and North Africa (MENA). The project is addressing barriers to reuse in the region and promotes safe reuse practices that improve food safety, health and livelihoods.

Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP7.4
SVG Animation
Pages: +10
CMS: Wordpress



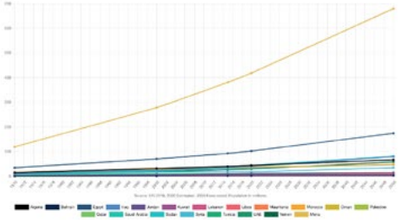
REWATER MENA



The MENA water challenge

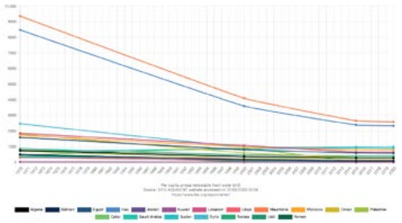
The population of the MENA region has increased by more than fifty percent in the last two decades reaching 418 million in 2020 – and is expected to keep growing rapidly up to 580 million in 2050.
Such population growth, together with a rapid urbanization, agricultural expansion and intensification and changing consumption patterns, is forecasted to drive the increase of water demand by 50% in 2050.

Population growth and urbanisation for the MENA countries



Water stress in the MENA region is greater than in any other region in the world. Out of the 17 countries at the highest risk of water scarcity in the world 12 are in MENA. Currently, the average per capita renewable water resources availability is ten times less than the worldwide average (FAO 2022).

Renewable fresh water sources



Wastewater as part of the problem and as part of the solution

Wastewater is part of the problem and part of the solution to the MENA water crisis.
Wastewater as a problem: Wastewater production grows as population, urbanization, and income per capita grow but in MENA countries still there is a long way to go in wastewater treatment to catch up with wastewater production growth. Many MENA countries are substantially improving their wastewater treatment rate, however about 40 % of produced domestic wastewater, and a substantial portion of industrial wastewater in the region, are still left untreated, posing serious risks on human health and ecosystems and reducing the amount of fresh water that is safe to use.
Wastewater as a solution: Wastewater is the only water source that is growing and contains resources that can be productive. Water and nutrients to irrigate and fertilize more than 2.8 million hectares. Carbon to produce methane with a catalytic valve to provide electricity to 8 million households.

Proportion of domestic wastewater that is safely treated

Wastewater is only a waste if we decide to waste it

The potential for resource recovery from municipal wastewater in MENA is still untapped.
The ReWaterMENA project has made the largest inventory of projects for direct water reuse in the region so far. These are projects where reclaimed water is used directly for different purposes including the irrigation of agriculture and planted forests, landscaping (including golf courses), industrial processes, environmental uses and others. The number of projects for direct water reuse has doubled every decade since 1990 and now the region has more than 400. Despite the progress, only 10-11% of the generated municipal wastewater in the region is (treated and) reused directly, while 36% is reused indirectly, many times informally and unsafely because of the lack of treatment, and around 54% of the municipal wastewater is lost in the sea or evaporated with no productive use. The recovery of lost wastewater could additionally irrigate and fertilize more than 1.3 million hectares.

Wastewater fate

Wastewater is only a waste if we decide to waste it

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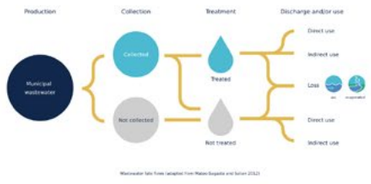
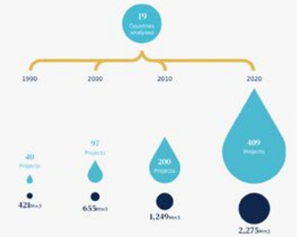
Wastewater fate

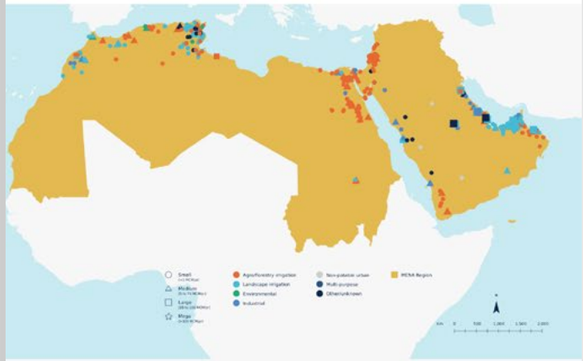


Wastewater fate flows (adapted from Mateo-Sagasta and Sultan 2012)

The number of reuse projects has doubled every decade since 1990



Water reuse projects in MENA as of 2020



MENA needs to accelerate change for more and safer water reuse

In the MENA region, water reuse has been expanding since the 1970's driven by different environmental, economic and socio-political circumstances and MENA countries have considerably different trajectories in terms of wastewater treatment and reuse growth. Ultimately, the factors that will contribute to accelerate change include: participatory stakeholder processes and effective communication that

because of the lack of treatment, and around 54% of the municipal wastewater is lost in the sea or evaporated with no productive use. The recovery of lost wastewater could additionally irrigate and fertilize more than 1.3 million hectares.

Wastewater fate

Wastewater fate flows (adapted from Mateo-Sagasta and Sultan 2012)

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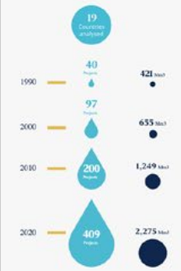

Water reuse projects in MENA as of 2020

MENA needs to accelerate change for more and safer water reuse

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environment and the use of polluted water
Egypt first standards for drainage water reuse (Law No 48/1984)
Jordan first standards for water reuse in agriculture (Law No 2/1982)
Tunisia first standards for water reuse in agriculture and discharge of water in the environment (1985)

1990

1992
Water reuse agronomic guidelines
FAO
Water reuse starts being integrated in most countries national water strategies
Reuse projects expand
Some countries updated their water reuse standards
Water Act in Morocco (1995)
Jordan Wastewater management strategy including reuse (1998)
Tunisia First strategy of mobilisation of water resources including water reuse (1990)

2000

2006
Multi-barrier approach
WHO
Water reuse becomes a national goal in all countries
New strategies and regulations supported by international Organisations are developed to expand and improve reuse
Moroccan regulations on water for irrigation (2002)
Jordan update of reuse standards (No 893/2006)
Egyptian Standard of Wastewater Reuse (No 501/2005) revised in 2015)
First Lebanon water guidelines under a FAO project (2010)
Ongoing Egypt Water Reuse Strategy supports by IWMI
Ongoing revision of Lebanon standards supported by IWMI (2021)
Ongoing revision of Tunisian standards (2020)
Jordan Water Substitution and Reuse Policy (2016)

Towards a more harmonious planning and governance of agricultural water reuse projects in the MENA region

Improved acceptance

Harmonious governance

Gender equity inclusion

Improved cost recovery

Discover more information in the new IWMI book which brings new insights and recommendations for more and safer water reuse in MENA

AGROMIX

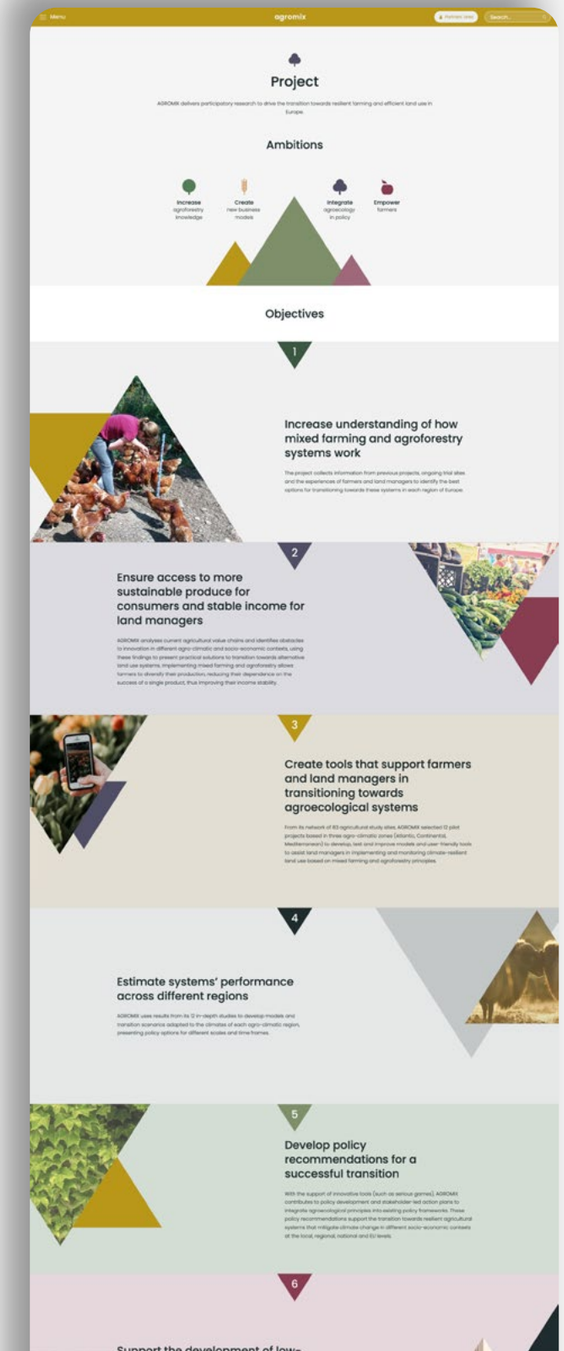
Transforming Landscapes

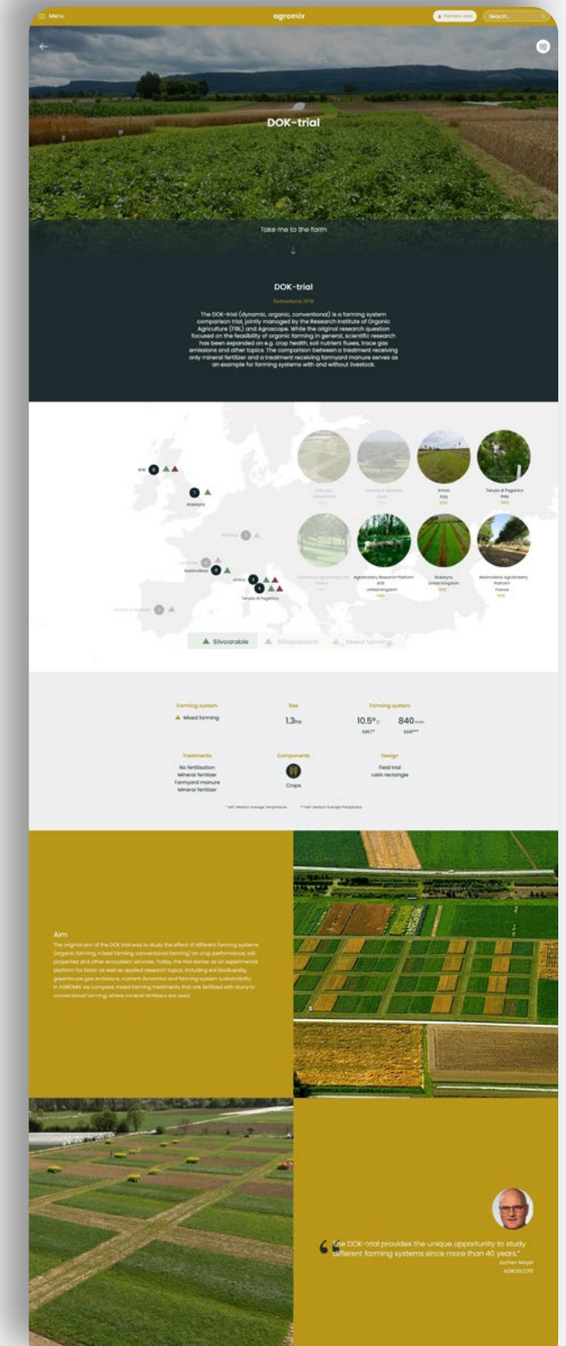
agromixproject.eu

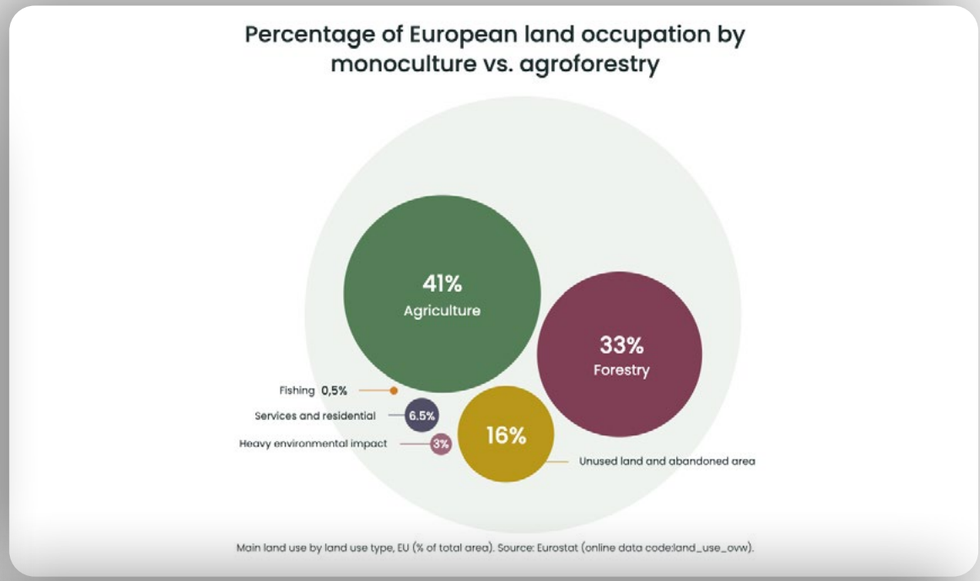
Agriculture and land use are at a crossroads: Conventional agriculture is a leading cause of climate change and land degradation, creating some of the greatest challenges of our time. However, regenerative practices such as agroforestry offer an opportunity for land use to become part of the solution.

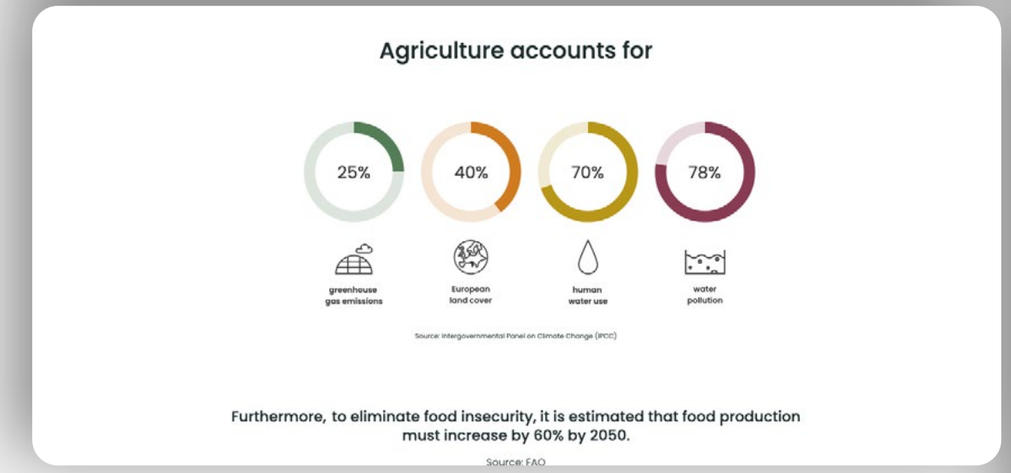
Technical description:

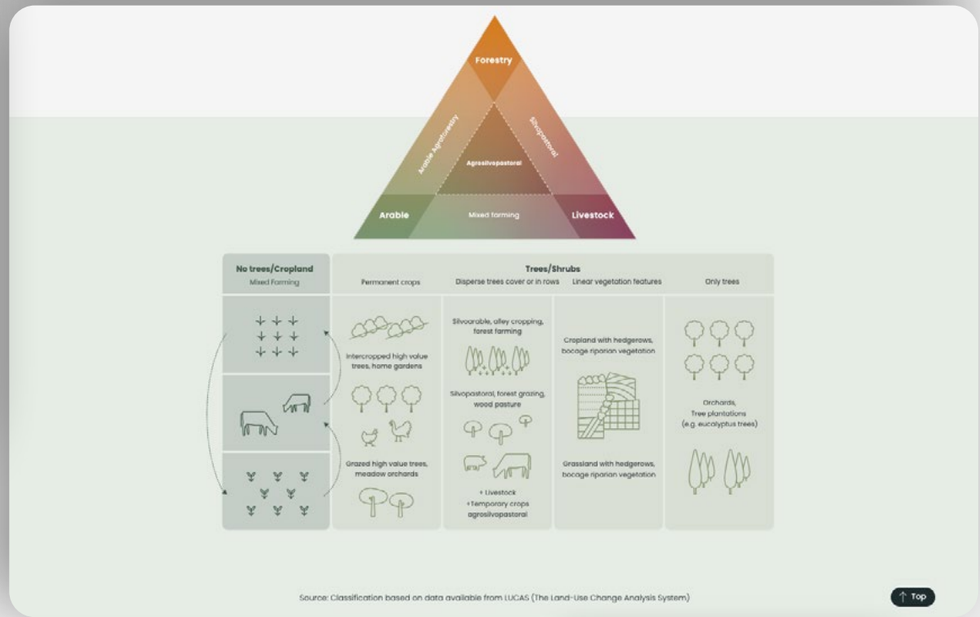
Launch year: 2020
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress











Percentage of European land occupation by monoculture vs. agroforestry

CURIOSOIL

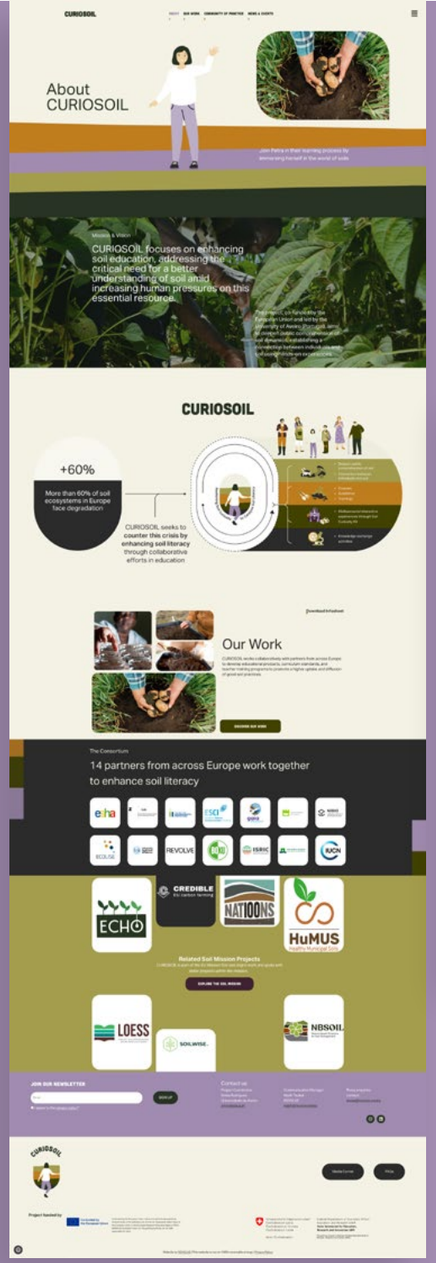
Awakening Soil Curiosity to Catalyse Soil Literacy

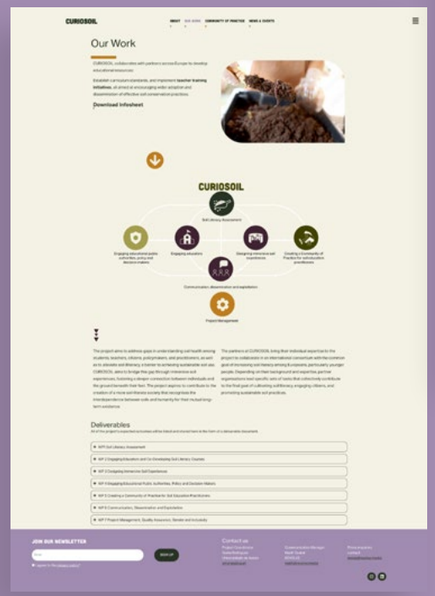
curiosoil.eu

CURIOSOIL (Awakening Soil Curiosity to Catalyse Soil Literacy) is a four-year, EU co-funded project focused on enhancing soil education. Led by Universidade de Aveiro, the project addresses the critical need for a better understanding of soil amid increasing human pressures on this essential resource.

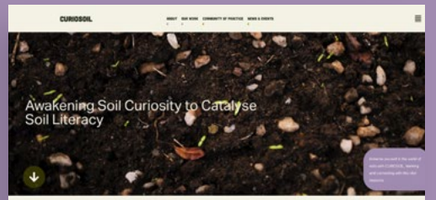
Technical description:

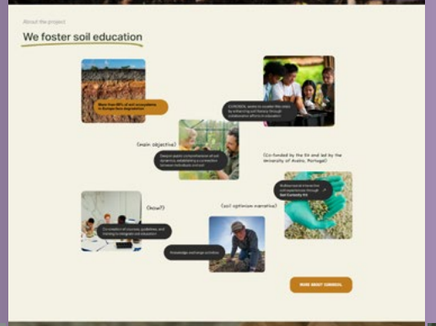
Launch year: 2023
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress


About CURIOSOIL
CURIOSOIL focuses on enhancing soil education, addressing the critical need for a better understanding of soil and increasing human pressures on this essential resource.
CURIOSOIL
+60%
More than 60% of soil ecosystems in Europe face degradation
CURIOSOIL seeks to counter this crisis by enhancing soil literacy through collaborative efforts in education
Our Work
The Consortium
14 partners from across Europe work together to enhance soil literacy
ECHO
CREDIBLE
NATIOONS
HuMUS
LOESS
SOILWISE
NBSOIL
JOIN OUR NEWSLETTER


Our Work
CURIOSOIL
Deliverables
JOIN OUR NEWSLETTER

Join the CURIOSOIL Community of Practice and collaborate to boost soil literacy
16 countries and stakeholders
Procedures
Objectives
Roles

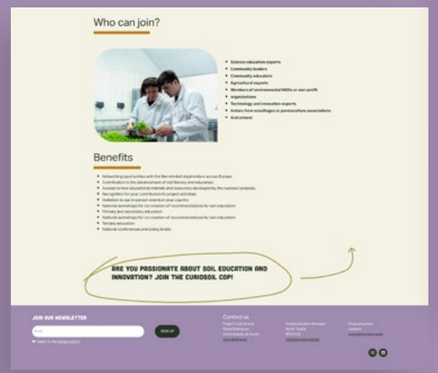

Awakening Soil Curiosity to Catalyse Soil Literacy

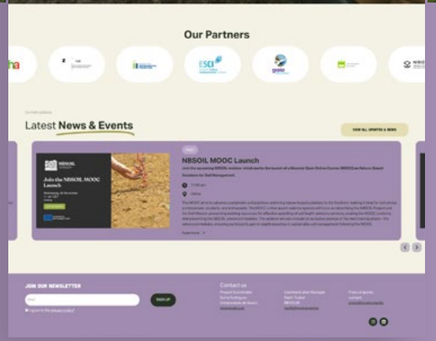

We foster soil education

Get Involved
Join the CURIOSOIL Community of practice

Get Involved
Join the CURIOSOIL Community of practice

Get Involved
Join the CURIOSOIL Community of practice


Who can join?
Benefits
ARE YOU PASSIONATE ABOUT SOIL EDUCATION AND INNOVATION? JOIN THE CURIOSOIL CoP!
JOIN OUR NEWSLETTER


Our Partners
Latest News & Events
NBSOIL MOOC Launch

CURIOSOIL

CoolLIFE

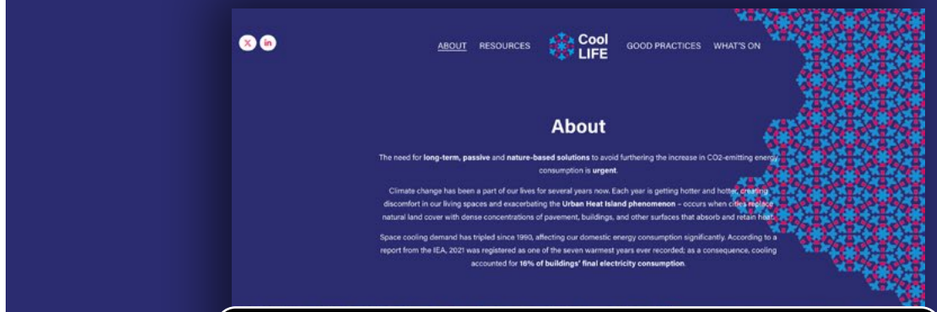
Driving a sustainable future in space cooling

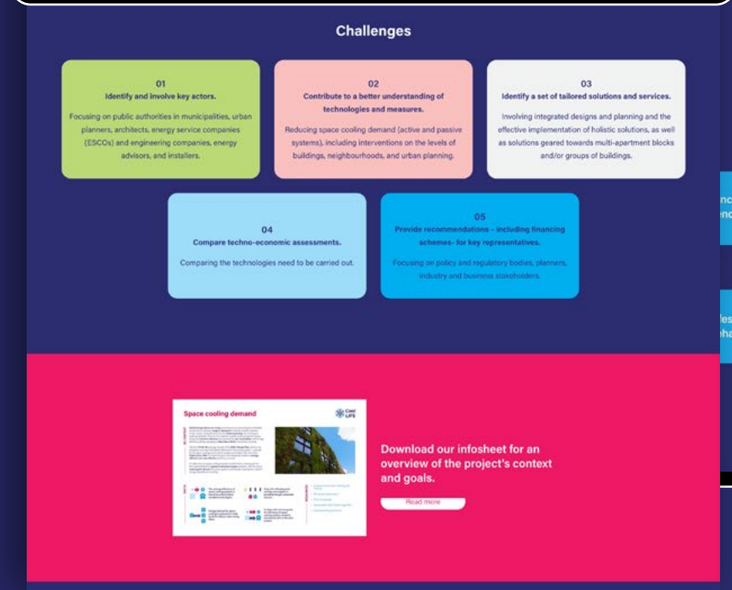
coollife.revolve.media

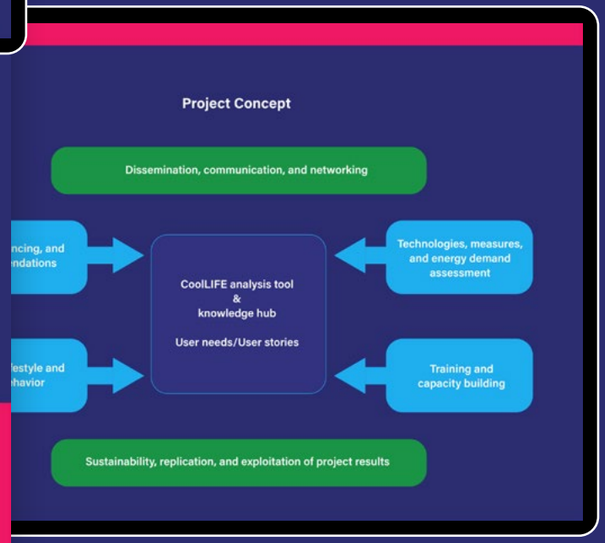
The CoolLIFE project aims to address the need for sustainable solutions to the EU's rising demand for space cooling in buildings. The project will develop open-source tools which encourage the consideration of green cooling solutions in public and private decision-making, planning, design, and implementation processes.

Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress

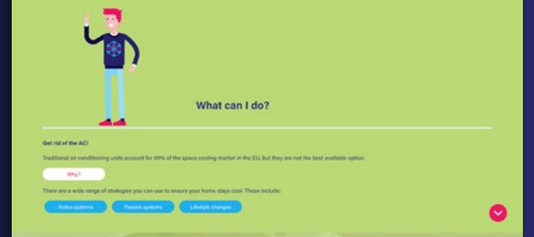






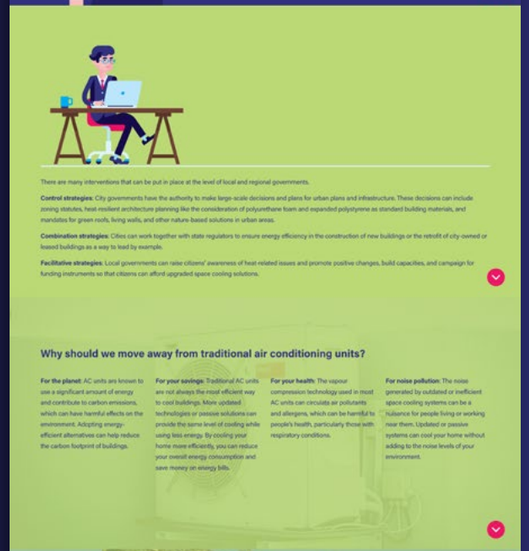
COOLLIFE

ABOUT
RESOURCES
Cool LIFE
GOOD PRACTICES
WHAT'S ON
CoolLiving
A citizen
A public authority

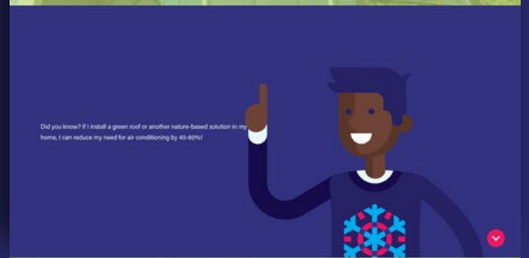

What can I do?
Get rid of the AC!
Why?
Active systems
Passive systems
Lifestyle changes

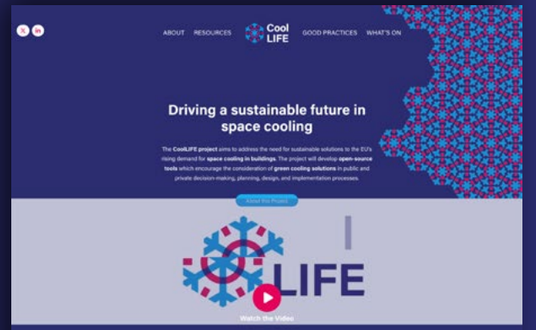
Active systems
Passive systems

Close doors, windows, curtains, blinds and shutters during the day.
Keep your appliances off.
Try to spend time in the coolest room
Aim to open windows and circulate cooler air
Install solar control films to reduce heat gain
Place heat reflective foils behind your radiators
Plant some climbing plants like ivi, wisteria, and knotweed on your exterior walls to cool down you home


Why should we move away from traditional air conditioning units?

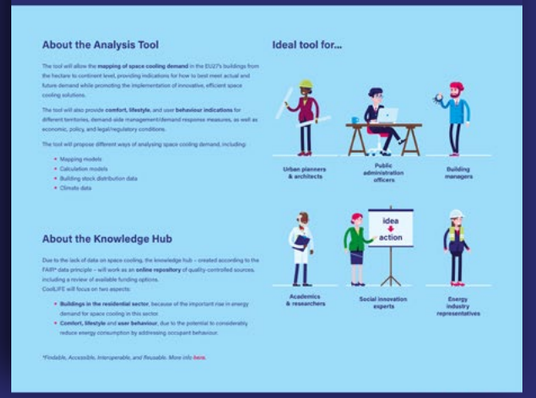
What are the benefits of nature-based solutions?

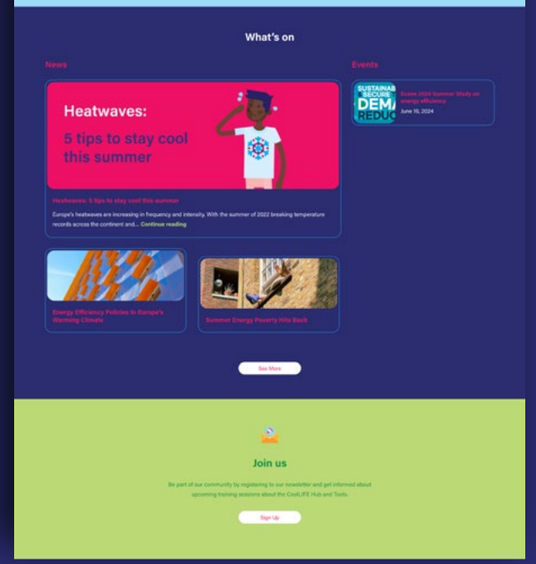

Did you know? If I install a green roof or another nature-based solution in my home, I can reduce my need for air conditioning by 40-60%!


ABOUT
RESOURCES
Cool LIFE
GOOD PRACTICES
WHAT'S ON
Driving a sustainable future in space cooling
LIFE

Together to reduce the space cooling demand
Existing space cooling solutions
01 Active
02 Passive
03 Lifestyle & user behaviour

space cooling
Thursday April 4
Download


About the Analysis Tool
Ideal tool for...
Urban planners & architects
Public administration officers
Building managers
About the Knowledge Hub
idea
action
Academics & researchers
Social innovation experts
Energy industry representatives


What's on
News
Events
Heatwaves:
5 tips to stay cool this summer
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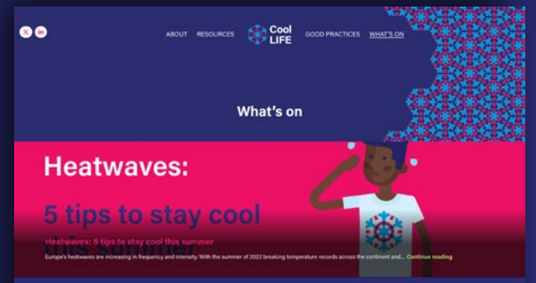
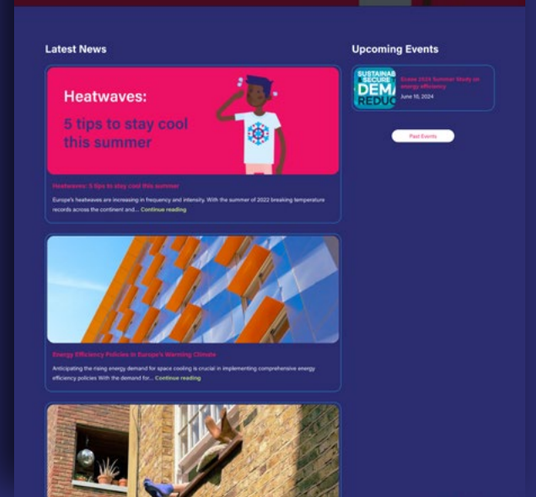

ABOUT
RESOURCES
Cool LIFE
GOOD PRACTICES
WHAT'S ON
What's on
Heatwaves:
5 tips to stay cool


Latest News
Upcoming Events
Heatwaves:
5 tips to stay cool this summer

GREEN RAY

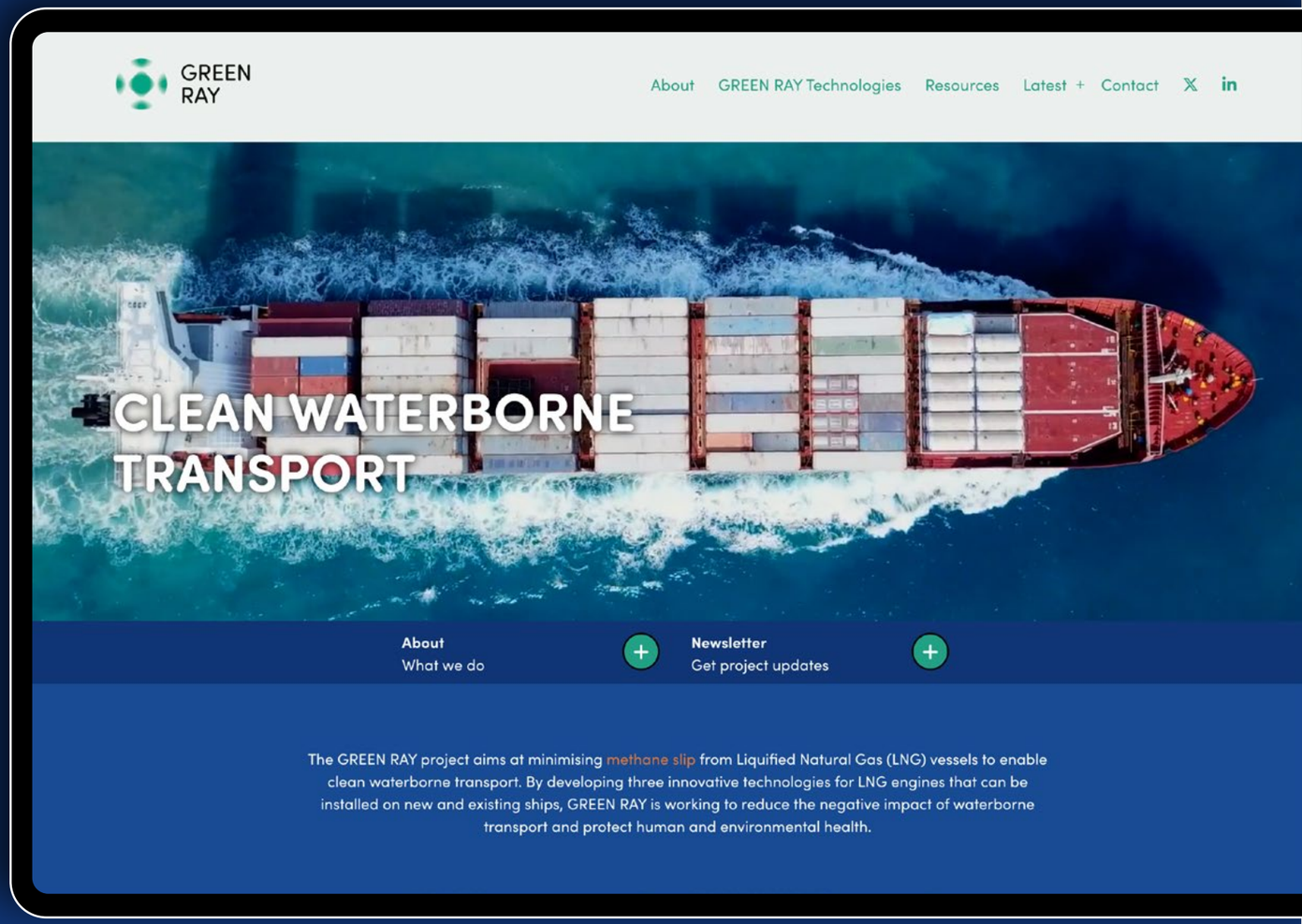
Clean Waterbore Transport

greenray-project.eu

Due to the benefits to human health from improved air quality, and in the context of international and European regulations for emissions reduction, the maritime shipping sector has been shifting from diesel to Liquified Natural Gas (LNG). Among the available LNG technologies, the sector has shown a preference for the low-pressure dual fuel concept.

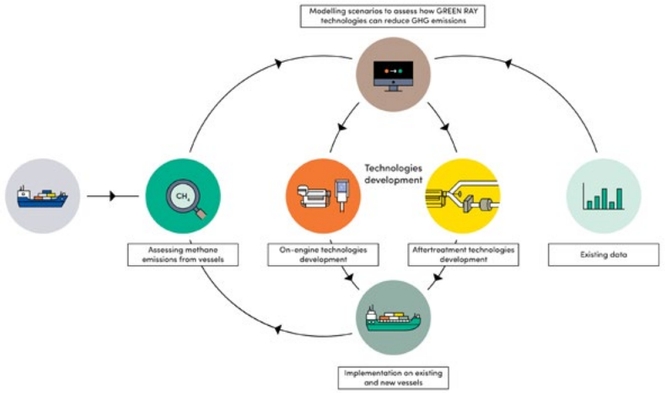
Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress



The GREEN RAY project aims at minimising methane slip from Liquified Natural Gas (LNG) vessels to enable clean waterborne transport. By developing three innovative technologies for LNG engines that can be installed on new and existing ships, GREEN RAY is working to reduce the negative impact of waterborne transport and protect human and environmental health.

What will GREEN RAY do?



Mitigating Methane Slip in LNG Engines

Watch the video

Latest

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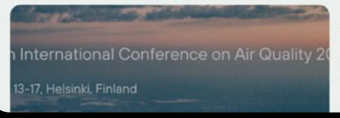

Cruise Week Europe 2024

Wärtsilä Halves Methane

On March 12th, GREEN RAY will participate in a panel discussion during Cruise Week titled "Fueling Change – Strategies to... Continue reading

Emissions from Popular Dual-Fuel LNG Engine

Wärtsilä is reporting a breakthrough in enhancing the performance of its popular dual-fuel engine that dramatically improves efficiency while reducing... Continue reading

Partners

Objectives

Assessing methane emissions from existing and new LNG vessels

Developing technologies to reduce methane slip in two- and four-stroke LNG engines

Developing an aftertreatment technology to further reduce methane slip

Producing scenarios for shipping emissions & how GREEN RAY can contribute to emissions reduction

Enabling the utilisation of GREEN RAY results to maximise long-term research impacts

Expected Impacts

The GREEN RAY project research results and developed technologies will contribute to many **EU goals**, with impacts for **environment**, **economy** and **society**.

Supporting the uptake of climate-neutral fuels and the decarbonisation of the shipping sector

Increasing energy efficiency and lowering fuel consumption of maritime vessels

Enabling clean, climate-neutral, and climate-resilient inland waterway vessels before 2030

Eliminating harmful [illegible] and water from [illegible] utilisation of LN

Creating competitive European waterborne industries

Facilitating the integration of innovative port infrastructure necessary to incorporate alternative fuels and electrification

Achieving the smart, efficient, secure, and safe integration of maritime and inland shipping into logistics chains

Enabling fully automa[illegible] and inland shipping connectiv

How will we achieve this?

GREEN RAY will assess and mitigate methane slip through the development of three technologies for low-pressure dual fuel engines in **existing vessels and new builds**.

Four-stroke engines

This LNG engine technology will be further developed to enable methane slip reduction at all engine loads, including the largest engines on the market used by cruise ships, ferries, and gas carriers.

Two-stroke engines

An on-engine technology will be developed around a patented LNG injection system to reduce methane slip from tankers, containers ships, etc.

Aftertreatment

To address remaining methane slip that cannot be tackled through engine efficiency, a sulphur resistant catalyst system will be developed to reduce emissions by converting methane to a less potent greenhouse gas (GHG) thus reducing negative climate impacts.

GREEN RAY is targeting a technology readiness level (TRL) of 7 – system prototype demonstration in operational environment – and we will demonstrate the three technologies on new vessels as well as retrofitting the technology on an existing vessel.

The consortium

GREEN RAY

About | GREEN RAY Technologies | Resources | Latest + | Contact

GREEN RAY TECHNOLOGIES

The GREEN RAY project aims at **minimising** methane slip from Liquified Natural Gas (LNG) engines and **reducing** the **environmental impact** of **waterborne transport**. Three technologies will be developed for LNG engines on both **existing** and **new ships** and aim to increase overall engine efficiency and reduce nitrogen oxide emissions while maintaining low sulphur oxide and particulate matter emissions.

GREEN RAY will be targeting the **low-pressure dual fuel concept**, as this is the most popular LNG engine technology. To address the issue from multiple angles, the project will provide solutions to reduce methane slip in two- and four-stroke engines as well as tackle the remaining methane slip through the development of an **aftertreatment technology** to convert the escaping methane into a less potent greenhouse gas (GHG).

All these technologies developed in GREEN RAY will also be fully capable to utilize **bio-** or **synthetic methane** instead of fossil LNG.

Four-stroke engines

This LNG engine technology will be further developed to enable methane slip reduction at all engine loads, including the largest engines on the market used by cruise ships, ferries and gas carriers.

Two-stroke engines

An on-engine technology will be developed around a patented LNG injection system to reduce methane slip from tankers, container ships, etc.

MAC system

A sulphur resistant catalyst system will be developed to reduce emissions by converting methane to a less potent greenhouse gas (GHG) thus reducing negative climate impacts.

GREEN RAY

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About
LNG Technologies
Events
News

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INDESAL

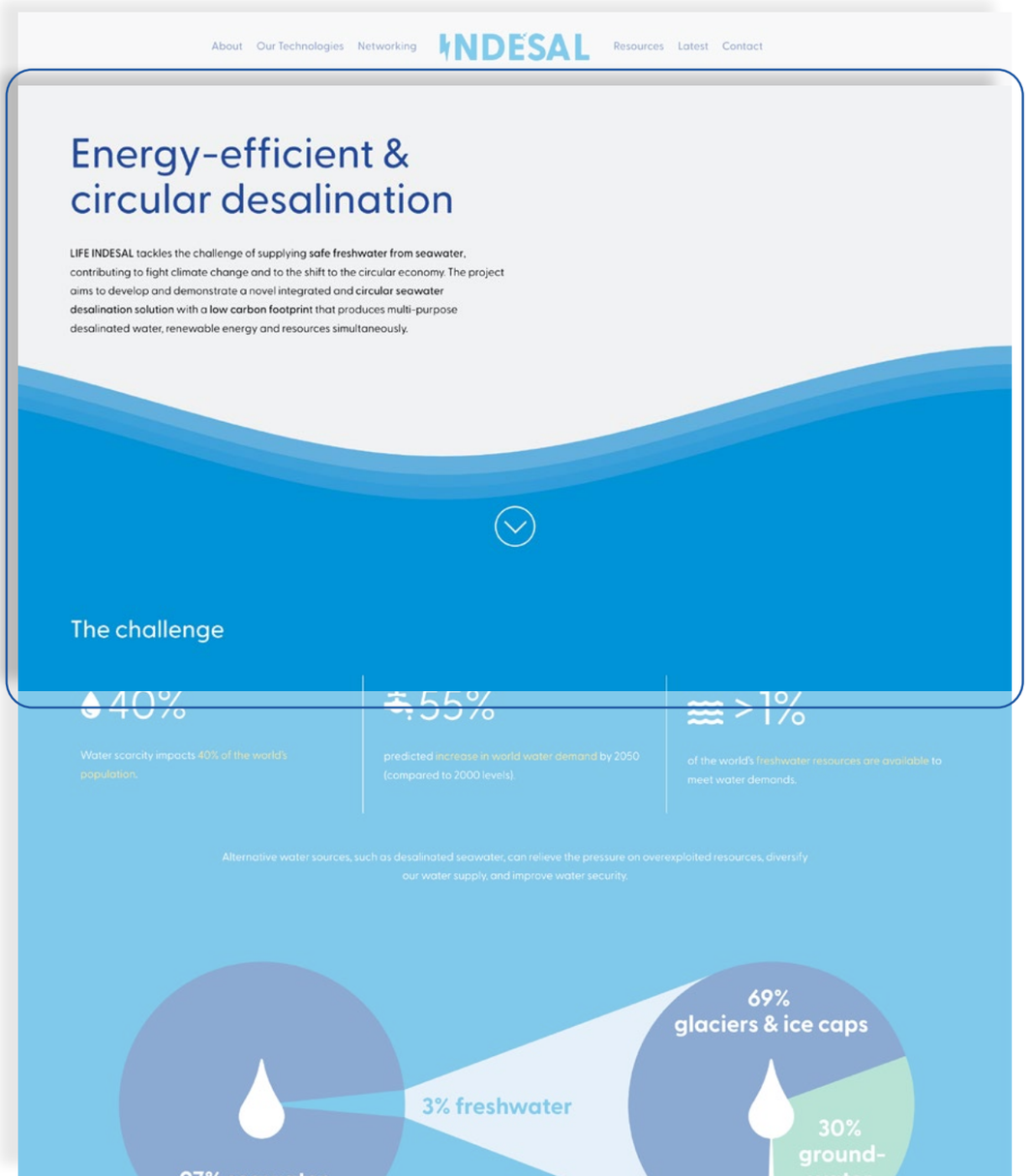
Energy-efficient & circular desalinationg

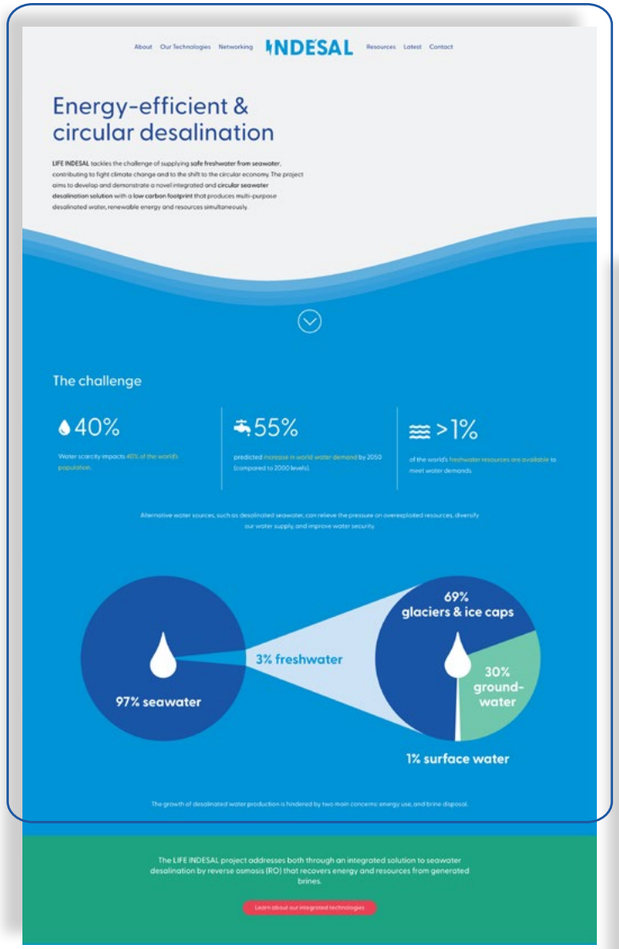
indesal.revolve.media

LIFE INDESAL tackles the challenge of supplying safe freshwater from seawater, contributing to fighting climate change and to the shifting towards circular economy. The project aims to develop and demonstrate a novel integrated and circular seawater desalination solution with a low carbon footprint that produces multi-purpose desalinated water, renewable energy and resources simultaneously.

Technical description:

Launch year: 2023
Language: HTML5 / CSS3 / PHP8.1
Pages: +10
CMS: Wordpress




About Our Technologies Networking INDESAL Resources Latest Contact
Energy-efficient & circular desalination
LIFE INDESAL tackles the challenge of supplying safe freshwater from seawater, contributing to fight climate change and to the shift to the circular economy. The project aims to develop and demonstrate a novel integrated and circular seawater desalination solution with a low carbon footprint that produces multi-purpose desalinated water, renewable energy and resources simultaneously.
The challenge
40%
Water scarcity impacts 40% of the world's population.
55%
predicted increase in world water demand by 2050 (compared to 2000 levels).
>1%
of the world's freshwater resources are available to meet water demands.
Alternative water sources, such as desalinated seawater, can relieve the pressure on overexploited resources, diversify our water supply, and improve water security.
97% seawater
3% freshwater
69% glaciers & ice caps
30% ground-water
1% surface water
The growth of desalinated water production is hindered by two main concerns: energy use, and brine disposal.
The LIFE INDESAL project addresses both through an integrated solution to seawater desalination by reverse osmosis (RO) that recovers energy and resources from generated brines.
Learn about our integrated technologies

About Our Technologies Networking INDESAL Resources Latest Contact
About
LIFE INDESAL works with seawater to relieve the pressure on high use of groundwater. Reverse Osmosis (RO) desalination plants (DPs), the leading desalination technology globally, can remove salts and other ions and molecules from the water, making it suitable for potable, agricultural and industrial uses.
Objectives
Obtaining high quality freshwater via desalination
Generating renewable energy from brines
Decreasing energy requirements of the desalination process
Recovering and valorising resources from brines
Designing and demonstrating an innovative integrated and circular desalination scheme
Enabling the utilisation of LIFE INDESAL results to maximise long-term research impacts
SEA WATER
PRETREATMENT
LMS RO
BRINE
BRINE
RED
EDBM
FRESH WATER
ENERGY
NaOH HCl
Impacts
LIFE INDESAL project will provide an innovative technological configuration for seawater reverse osmosis desalination plants. This novel solution will improve the efficiency and sustainability of the desalination process by producing high-quality water, with lower energy demand and valorising desalination-by-products. This will catalyse the transition to a circular resilient economy and protect and improve the quality of the EU's natural resources.
Enabling meeting the future water demand
Reducing the pressure on ground and surface waters, alleviating water stress
Contributing towards a more environmentally friendly desalination process
Contributing to the EU's resource-efficient and competitive economy
Enabling the EU's climate neutrality objectives implementation by 2050
Decoupling economic growth from resource use
The Consortium
acciona
APRIA
UC UNIVERSIDAD DE CANTABRIA
REVOLVE
RED
For more details about partners, funding, and budget, please visit LIFE Public Database
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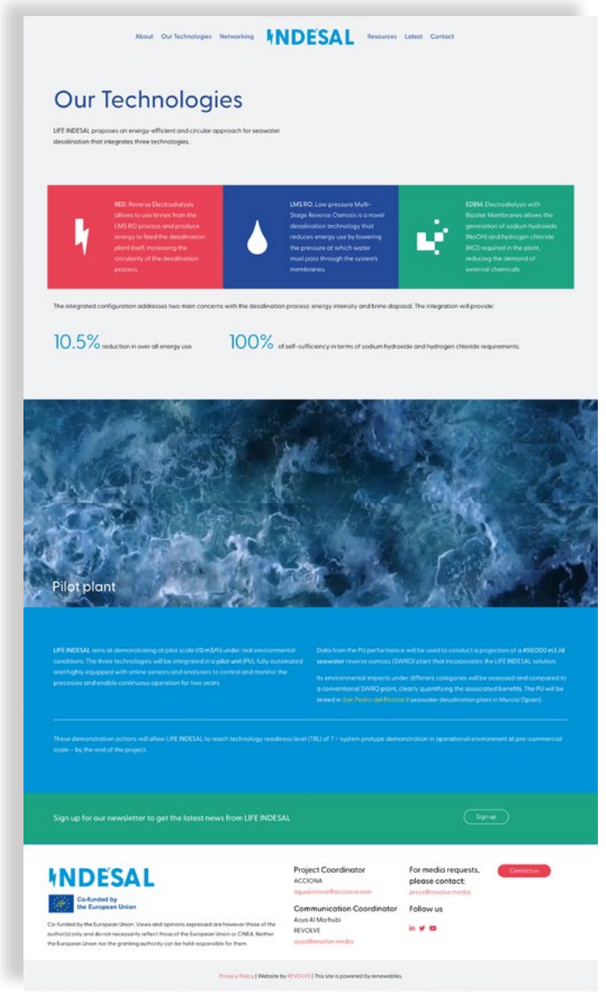
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Our Technologies
LIFE INDESAL proposes an energy-efficient and circular approach for seawater desalination that integrates three technologies.
RED. Reverse Electrodialysis allows to use brines from the LMS RO process and produce energy to feed the desalination plant itself, increasing the circularity of the desalination process.
LMS RO. Low-pressure Multi-Stage Reverse Osmosis is a novel desalination technology that reduces energy use by lowering the pressure at which water must pass through the system's membranes.
EDBM. Electrodialysis with Bipolar Membranes allows the generation of sodium hydroxide (NaOH) and hydrogen chloride (HCl) required in the plant, reducing the demand of external chemicals.
The integrated configuration addresses two main concerns with the desalination process: energy intensity and brine disposal. The integration will provide:
10.5% reduction in over all energy use.
100% of self-sufficiency in terms of sodium hydroxide and hydrogen chloride requirements.
Pilot plant
LIFE INDESAL aims at demonstrating at pilot scale 00 m3/h) under real environmental conditions. The three technologies will be integrated in a pilot unit (PU), fully automated and highly equipped with online sensors and analysers to control and monitor the processes and enable continuous operation for two years.
Data from the PU performance will be used to conduct a projection of a 450,000 m3 /d seawater reverse osmosis (SWRO) plant that incorporates the LIFE INDESAL solution.
Its environmental impacts under different categories will be assessed and compared to a conventional SWRO plant, clearly quantifying the associated benefits. The PU will be tested in San Pedro del Pinatar II seawater desalination plant in Murcia (Spain).
These demonstration actions will allow LIFE INDESAL to reach technology readiness level (TRL) of 7 – system prototype demonstration in operational environment at pre-commercial scale – by the end of the project.
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LEAP4SME

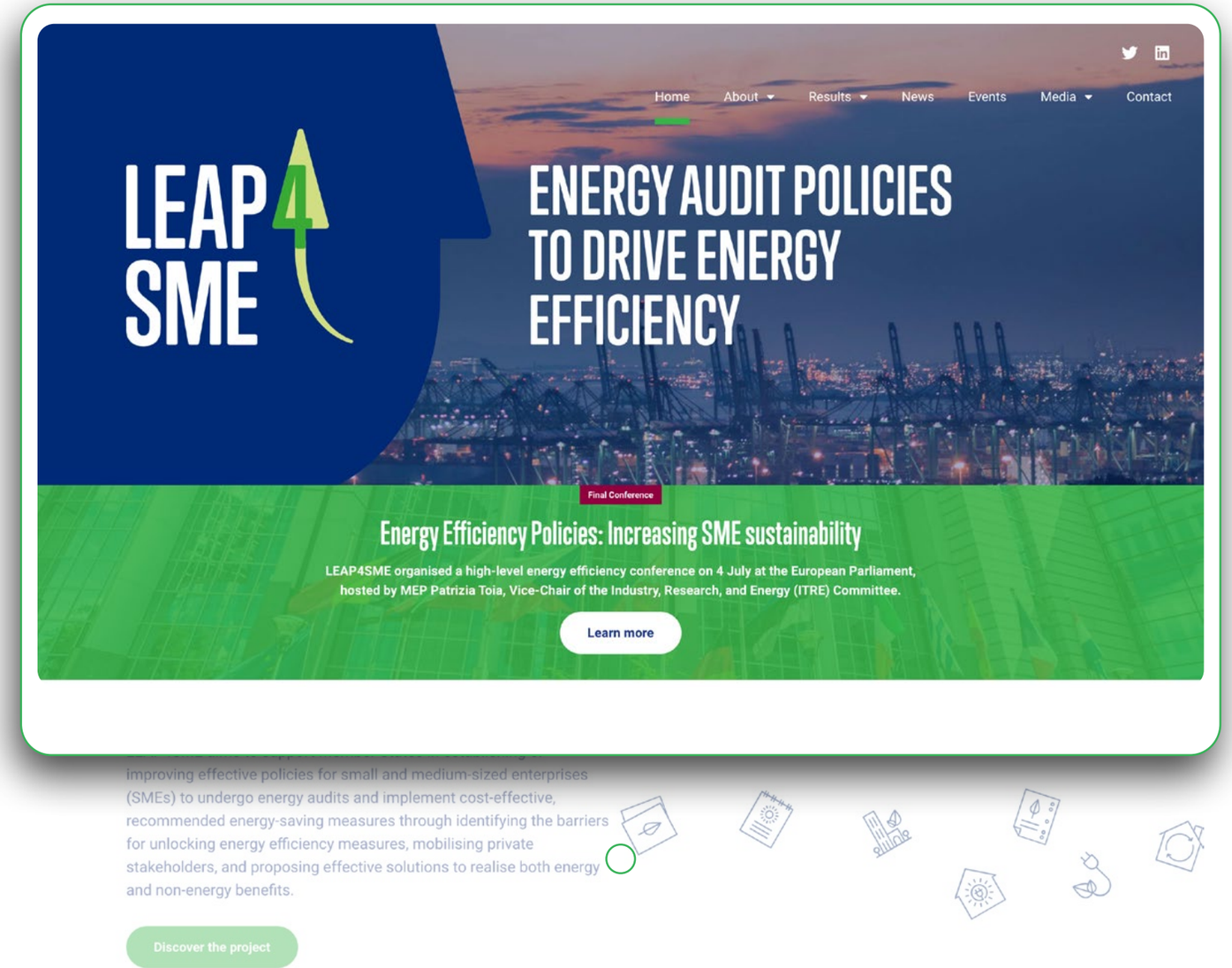
Energy autit policies to driven energy efficiency

leap4sme.eu

LEAP4SME aims to support Member States in establishing or improving effective policies for small and medium-sized enterprises (SMEs) to undergo energy audits and implement cost-effective, recommended energy-saving measures through identifying the barriers for unlocking energy efficiency measures, mobilising private stakeholders, and proposing effective solutions to realise both energy and non-energy benefits.

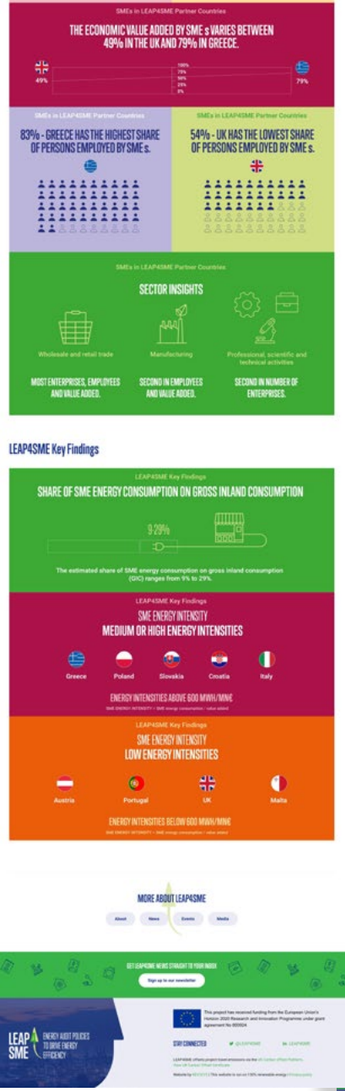
Technical description:

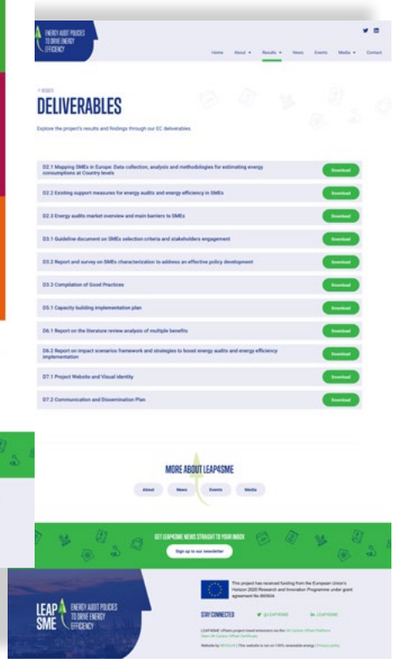
Launch year: 2020
Language: HTML5 / CSS3 / PHP8.1
Pages: +15
CMS: Wordpress

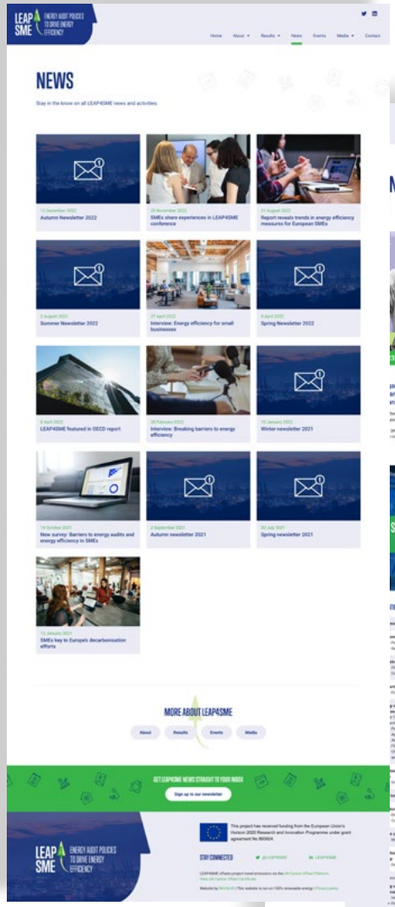


ABOUT
THE CHALLENGE
SMEs account for at least 13% of global final energy consumption
THE BARRIERS
OUR APPROACH
OBJECTIVES
MORE ABOUT LEAP4SME

INFOGRAPHICS: SMEs in Europe
INDEX
What is an SME?
WHAT IS AN SME?
EMPLOY < 250 PEOPLE
87% OF ALL SME s ARE AUTONOMOUS AND MAKE INDEPENDENT FINANCIAL DECISIONS.
SMEs in LEAP4SME Partner Countries
SMEs MAKE UP OVER 99% OF ALL ENTERPRISES.
MICRO ENTERPRISES ACCOUNT FOR OVER 86% OF ALL BUSINESSES.


THE ECONOMIC VALUE ADDED BY SME s VARIES BETWEEN 49% IN THE UK AND 79% IN GREECE.
83% - GREECE HAS THE HIGHEST SHARE OF PERSONS EMPLOYED BY SME s.
54% - UK HAS THE LOWEST SHARE OF PERSONS EMPLOYED BY SME s.
SECTOR INSIGHTS
LEAP4SME Key Findings
SHARE OF SME ENERGY CONSUMPTION ON GROSS INLAND CONSUMPTION
SME ENERGY INTENSITY
MEDIUM OR HIGH ENERGY INTENSITIES
ENERGY INTENSITIES ABOVE 600 MWH/MME
SME ENERGY INTENSITY
LOW ENERGY INTENSITIES
ENERGY INTENSITIES BELOW 600 MWH/MME
MORE ABOUT LEAP4SME


DELIVERABLES
MORE ABOUT LEAP4SME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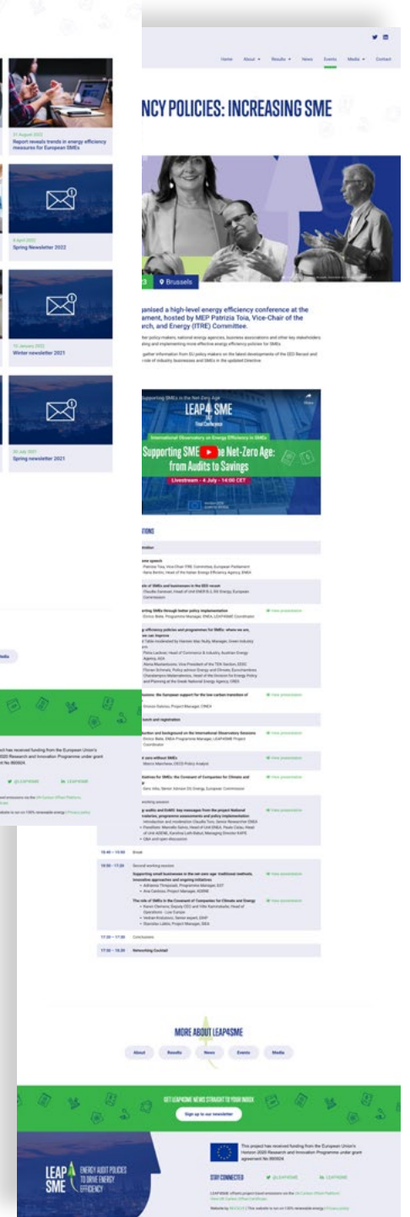
MORE ABOUT LEAP4SME


NCY POLICIES: INCREASING SME
Brussels
Supporting SMEs in the Net-Zero Age: from Audits to Savings
MORE ABOUT LEAP4SME

PLEAP4SME

MarginUp!

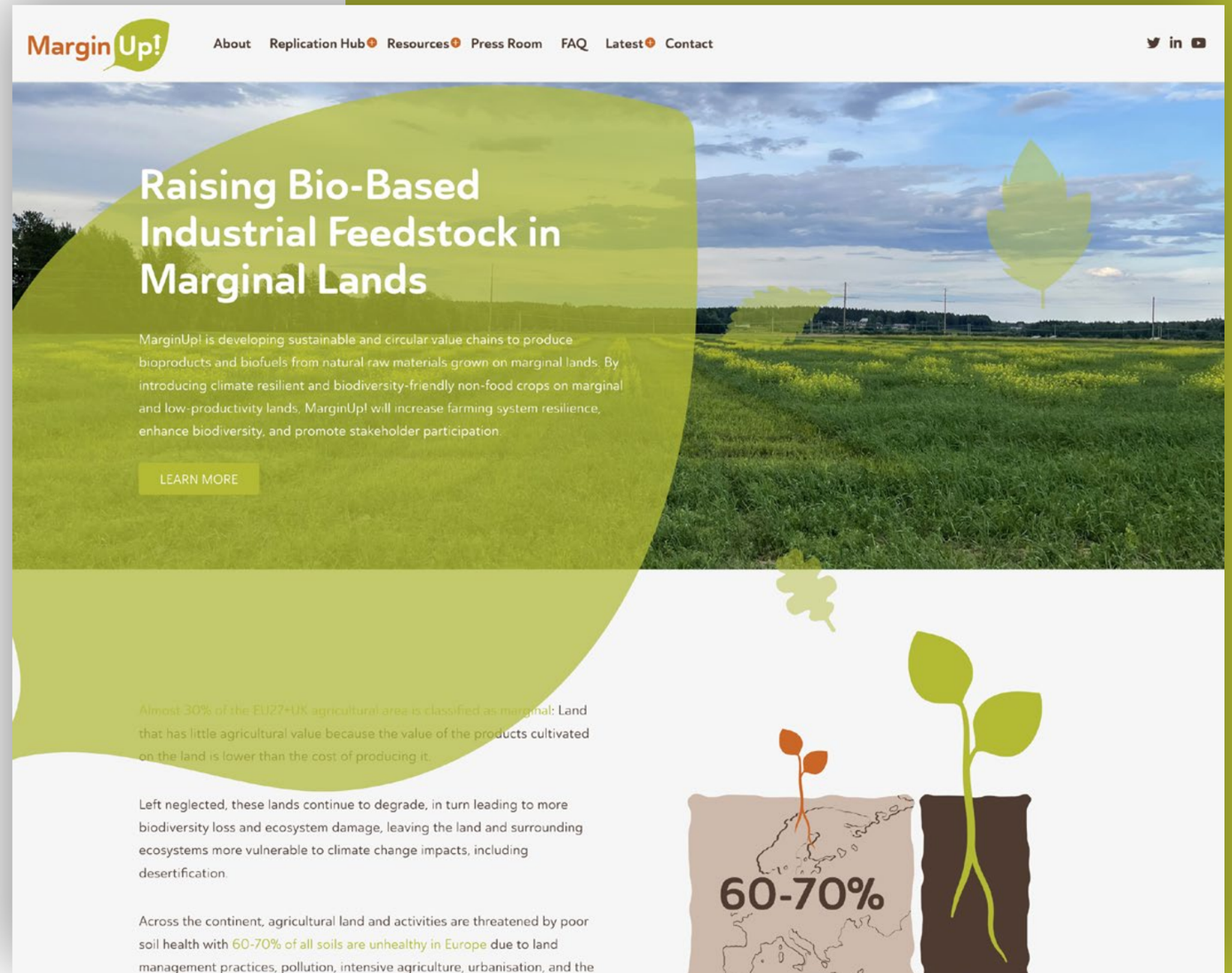
Raising Bio-Based Industrial Feedstock in Marginal Lands

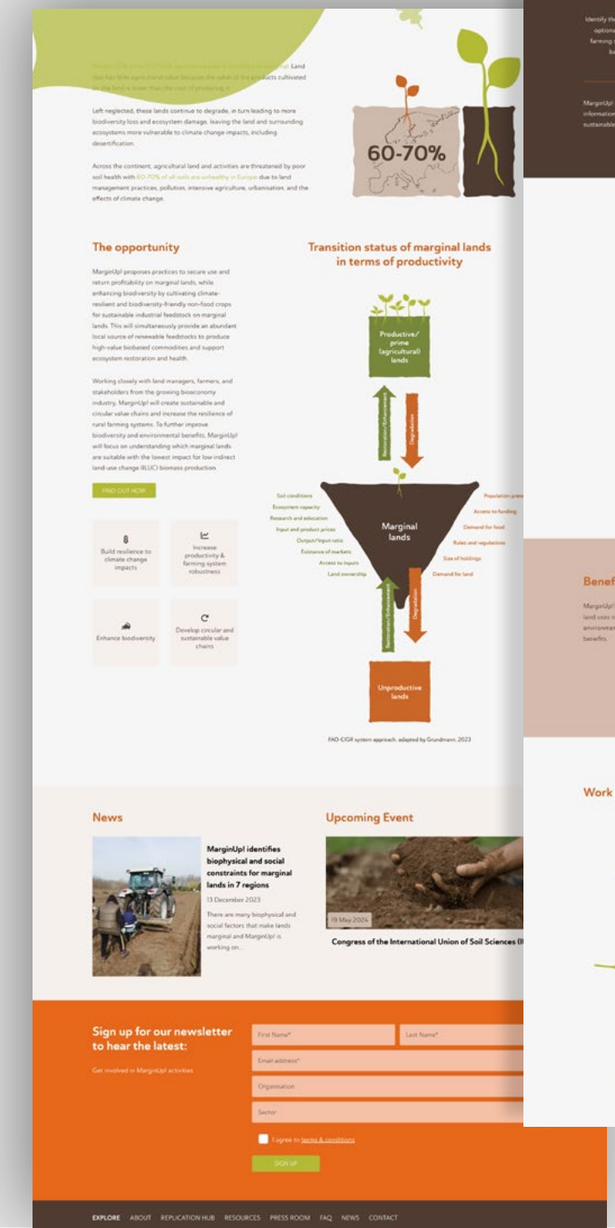
margin-up.eu

MarginUp! is developing sustainable and circular value chains to produce bioproducts and biofuels from natural raw materials grown on marginal lands. By introducing climate resilient and biodiversity-friendly non-food crops on marginal and low-productivity lands, MarginUp! will increase farming system resilience, enhance biodiversity, and promote stakeholder participation.

Technical description:

Launch year: 2022
Language: HTML5 / CSS3 / PHP8.1
Pages: +15
CMS: Wordpress




60-70%
The opportunity
Transition status of marginal lands in terms of productivity
Productive/ prime (agricultural) lands
Marginal lands
Unproductive lands
Degradation
Restoration/Afforestation
Build resilience to climate change impacts
Increase productivity & farming system robustness
Enhance biodiversity
Develop circular and sustainable value chains
News
MarginUp! identifies biophysical and social constraints for marginal lands in 7 regions
Upcoming Event
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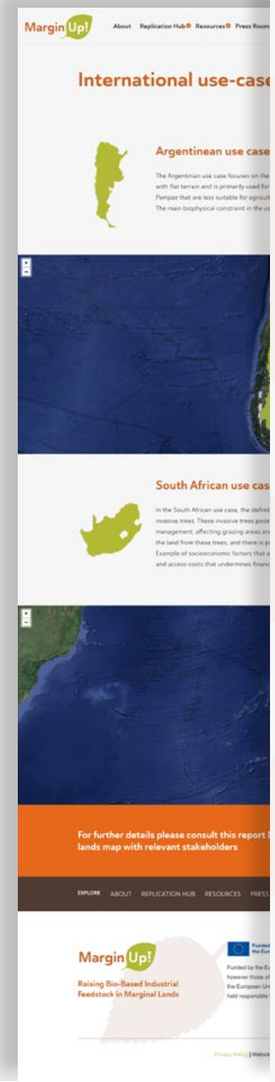
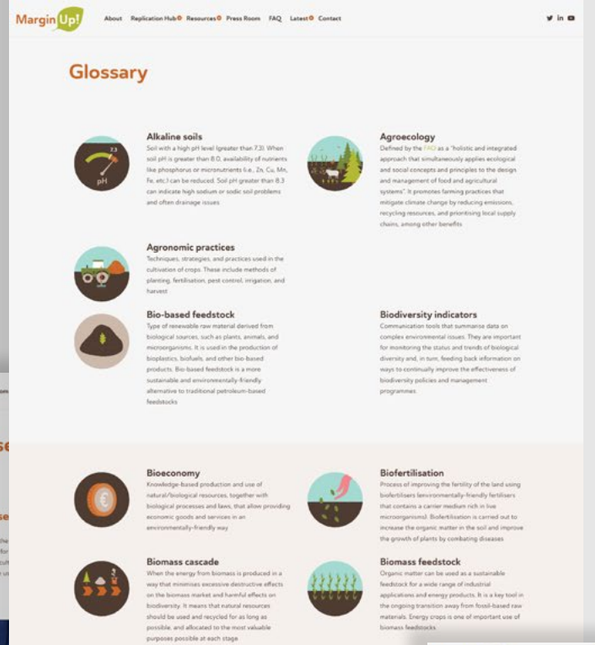
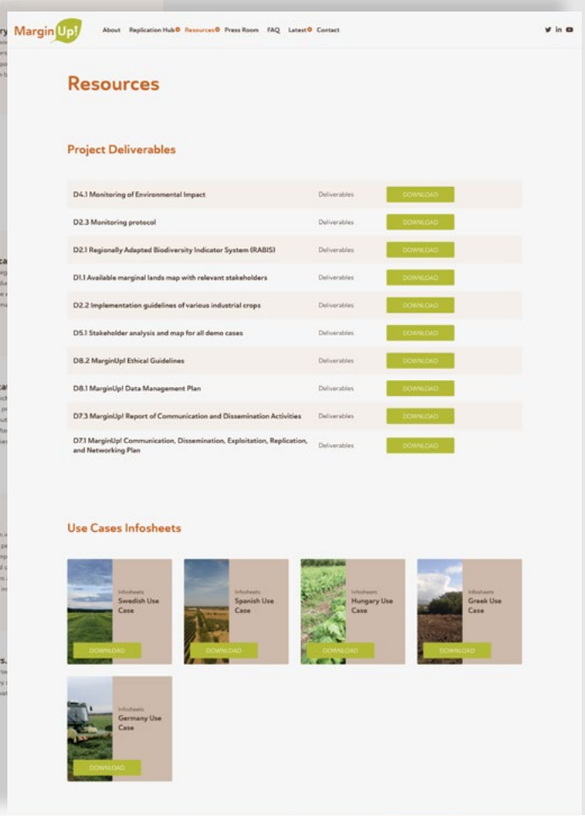
Objectives
Identify the most suitable feedstock options for different climates, farming systems, soil types, bio-based value chains
Demonstrate how marginal lands can be optimised for biomass production and biodiversity enhancement
Support the development of new sectors in the rural circular bioeconomy and increase farming system resilience
Share knowledge experiences to foster replication and uptake of practices to maximise project results
Benefits
Biodiversity enhancement
Circular use of biomass
Replication potential
Improved soil quality and productivity
Water optimised production
New regional business models
GHG emissions reduction
Soil health
Work plan and flow
The overall methodology: concept models underlying the project
Management
PHASE 1 Knowledge generation
PHASE 2 Implementation
PHASE 3 Monitoring & Assessment
PHASE 4 Good practices generated
Actors engagement and involvement


MarginUp!
International use-case
Argentinean use case
South African use cas
For further details please consult this report
lands map with relevant stakeholders
EXPLORE ABOUT REPLICATION HUB RESOURCES
MarginUp!
Raising Bio-Based Industrial Feedstock in Marginal Lands


MarginUp!
Glossary
Alkaline soils
Agroecology
Agronomic practices
Bio-based feedstock
Biodiversity indicators
Bioeconomy
Biofertilisation
Biomass cascade
Biomass feedstock
Biomass value chain
Compost
Digestate
Ecosystem services
Fallow land
Fenlands
Harvesting technologies
Humus


MarginUp!
Resources
Project Deliverables
D4.1 Monitoring of Environmental Impact
D2.3 Monitoring protocol
D2.1 Regionally Adapted Biodiversity Indicator System (RABIS)
D1.1 Available marginal lands map with relevant stakeholders
D2.2 Implementation guidelines of various industrial crops
D5.1 Stakeholder analysis and map for all demo cases
D8.2 MarginUp! Ethical Guidelines
D8.1 MarginUp! Data Management Plan
D7.3 MarginUp! Report of Communication and Dissemination Activities
D7.1 MarginUp! Communication, Dissemination, Exploitation, Replication, and Networking Plan
Use Cases Infosheets
Swedish Use Case
Spanish Use Case
Hungary Use Case
Greek Use Case
Germany Use Case

Pathways

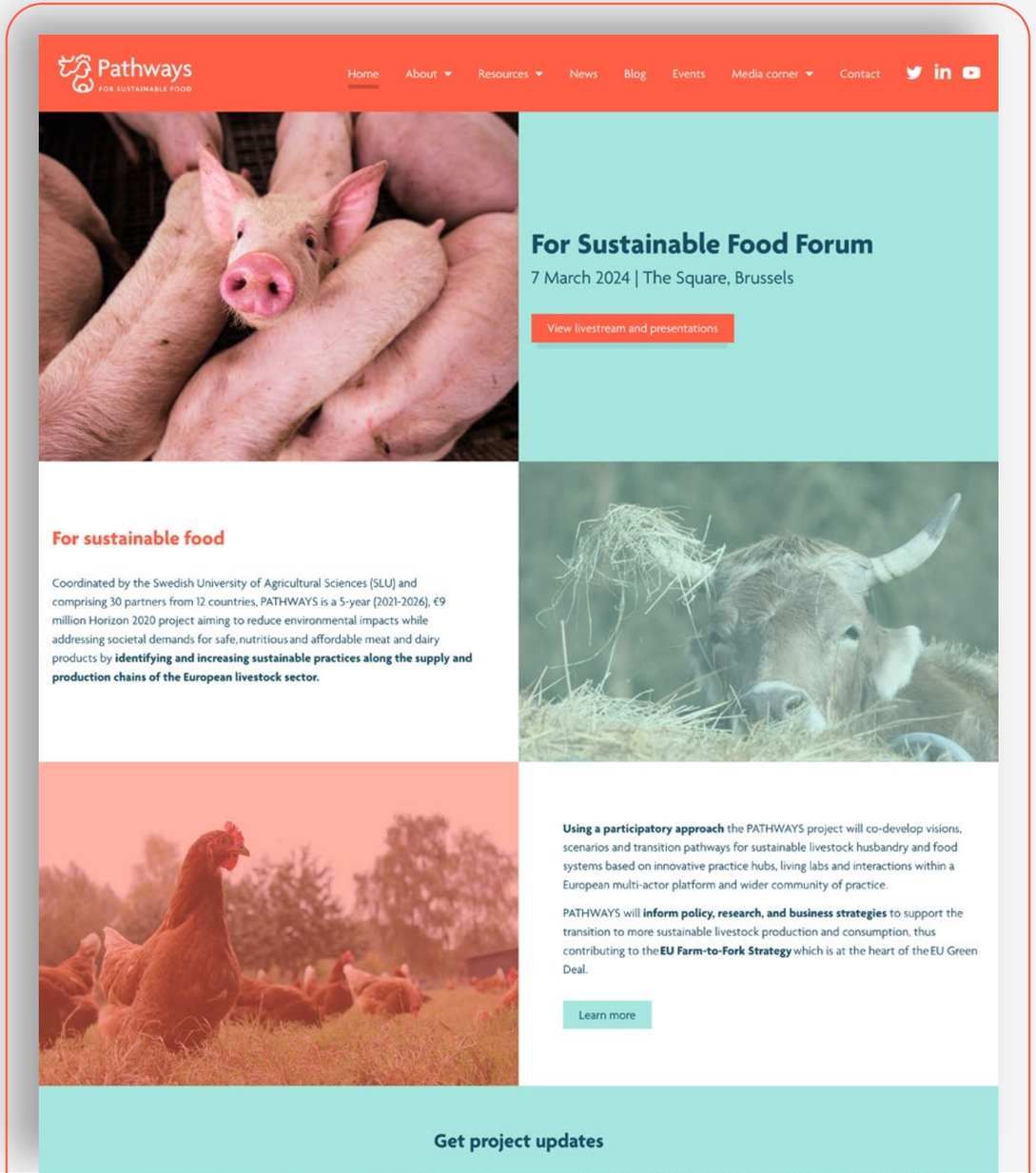
For sustainable food

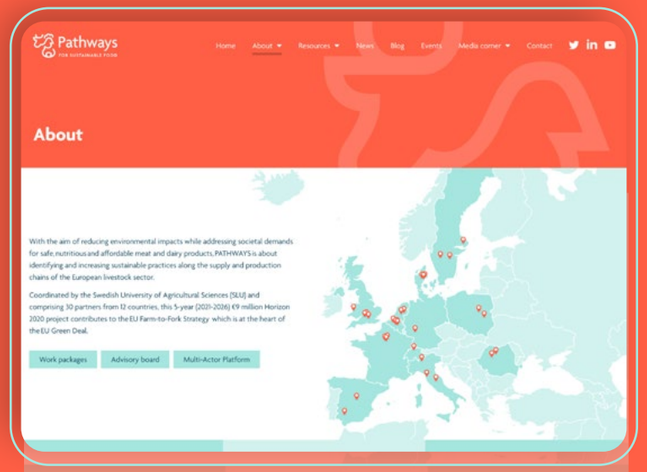
pathways-project.com

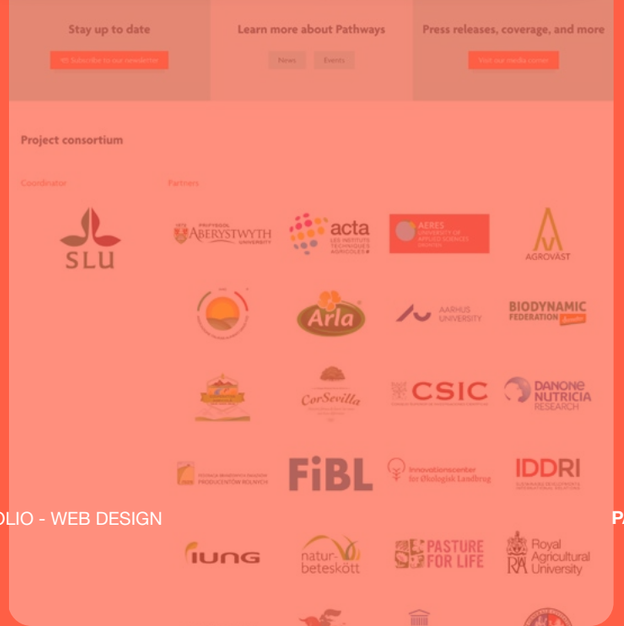
Coordinated by the Swedish University of Agricultural Sciences (SLU) and comprising 30 partners from 12 countries, PATHWAYS is a 5-year (2021-2026), €9 million Horizon 2020 project aiming to reduce environmental impacts while addressing societal demands for safe, nutritious and affordable meat and dairy products by identifying and increasing sustainable practices along the supply and production chains of the European livestock sector.

Technical description:

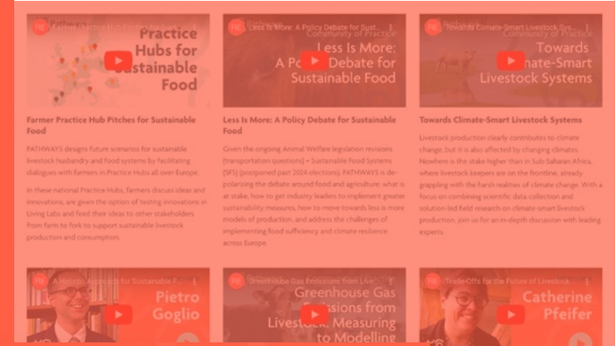
Launch year: 2021
Language: HTML5 / CSS3 / PHP8.1
Pages: +15
CMS: Wordpress




Pathways
Home
About
Resources
News
Blog
Events
Media corner
Contact
About
With the aim of reducing environmental impacts while addressing societal demands for safe, nutritious and affordable meat and dairy products, PATHWAYS is about identifying and increasing sustainable practices along the supply and production chains of the European livestock sector.
Coordinated by the Swedish University of Agricultural Sciences (SLU) and comprising 30 partners from 12 countries, this 5-year (2021-2026) €9 million Horizon 2020 project contributes to the EU Farm-to-Fork Strategy which is at the heart of the EU Green Deal.
Work packages
Advisory board
Multi-Actor Platform


Stay up to date
Learn more about Pathways
Press releases, coverage, and more
Project consortium
Coordinator
Partners
SLU
ABERYSTWYTH UNIVERSITY
acta
AERES
AGROVAST
Arla
AARHUS UNIVERSITY
BIODYNAMIC FEDERATION
CorSevilla
CSIC
DANONE NUTRICIA RESEARCH
FiBL
IDDRI
IUNG
naturbeteskött
PASTURE FOR LIFE
Royal Agricultural University

Pathways
European Multi-Actor Platform
The PATHWAYS European Multi-Actor (MA) Platform is a central component of the project, consisting of international supply chain actors from pre- and post- farm gate industry, NGOs, consumer associations, research, and policymakers.
The MA Platform is facilitated through the project's three core themes:
1. Trade-offs and synergies in sustainability and circularity,
2. One welfare,
3. Enabling transition
The MA Platform will allow the opportunity for influential actors to network and promote innovations across the supply and production chain and identify credible, relevant, and timely approaches for a sustainable transition of the livestock sector.
The PATHWAYS MA Platform will work on:
Identifying visions for the sustainable development of the livestock sector in Europe 2050
Contributing to focus groups to provide feedback on innovation assessments and identify acceptable scenarios for sustainable livestock systems
Aiding in the selection of Living Labs for the testing of new ideas and innovations over the project through a ranking of project proposals
Contributing to high-impact publications to inform policy and practice
Supporting knowledge exchange and dissemination activities
Join the Multi-Actor Platform
TRADE-OFF AND SYNERGIES
ENABLING TRANSITION – LEVERAGE POINTS
ONE WELFARE
Trade-offs and synergies
Facilitated by: Research Institute of Organic Agriculture (FiBL)
This theme pivots on the complex interaction of the environmental with the economic, social and governance domains and the multifaceted role of livestock in terms of ecosystem service provision and circularity [2][4]. It will review project outcomes and processes at all stages in order to identify trade-offs and synergies on the environment–human axes in the context of the Sustainable Development Goals (SDGs) and existing policies that influence EU agricultural practices (e.g. trade policy, Bioeconomy strategy, European Protein Plan, COP 21 Paris Agreement, Biodiversity Strategy, Farm to Fork Strategy).
Enabling transition – Leverage points
Facilitated by: University of Reading
This theme will focus on innovation to effect change in livestock systems. Members will review project outcomes to identify key internal leverage points (e.g. key actors in supply chains) and external drivers for system change (e.g. regulations or campaigns) utilising the three realms of leverage on "Re-structure, re-connect, re-think" [1]. Co-innovation approaches will identify research and policies needed to transform current systems, to deliver appropriate levels of nutritious, desirable and accessible food, high animal welfare and wider ecosystem service provision.
One welfare
Facilitated by: Swedish University of Agriculture Sciences (SLU).
References
Pathways
Management
Laurence Smith
SLU
Daiana de Oliveira
SLU
Communication
Stuart Reigeluth
REVOLVE
Emma Finnamore
REVOLVE


Practice Hubs for Sustainable Food
Less Is More: A Policy Debate for Sustainable Food
Towards Climate-Smart Livestock Systems
Farmer Practice Hub Pitches for Sustainable Food
Less Is More: A Policy Debate for Sustainable Food
Towards Climate-Smart Livestock Systems
Pietro Goglio
Greenhouse Gas Emissions from Livestock: Measuring to Modelling
Catherine Pfeifer

Pathways
Practice Hubs
Supporting holistic evaluation
PATHWAYS designs future scenarios and pathways for sustainable livestock husbandry and food systems by facilitating dialogues with farmers in Practice Hubs all over Europe.
In these national Practice Hubs, farmers discuss ideas and innovations, are given the option of testing innovations in Living Labs and feed their ideas to other stakeholders from farm to fork to support sustainable livestock production and consumption.
Legend
All Practice Hubs listed
100% pasture-fed cow-calf dairy systems
Management for maximisation of carbon sequestration in pasture
Dairy in agroforestry system for self-sufficiency in protein-based feed
More-from-less dairy systems utilising on-farm advice and carbon foot-printing tool
Conventional pig farm utilising manure for biogas
Green protein for pig farming
Conventional pig production with innovative flooring and biodiversity focus
100% pasture-fed beef systems utilising holistic planned grazing management
New breeding methodology for "mountain pasture" with own certification/label development
Quality assured production system for beef and sheep on high nature value semi-natural pastures together with label development
Agri-tech poultry innovation for improved food safety and quality
Jessica Stokes

HOOP

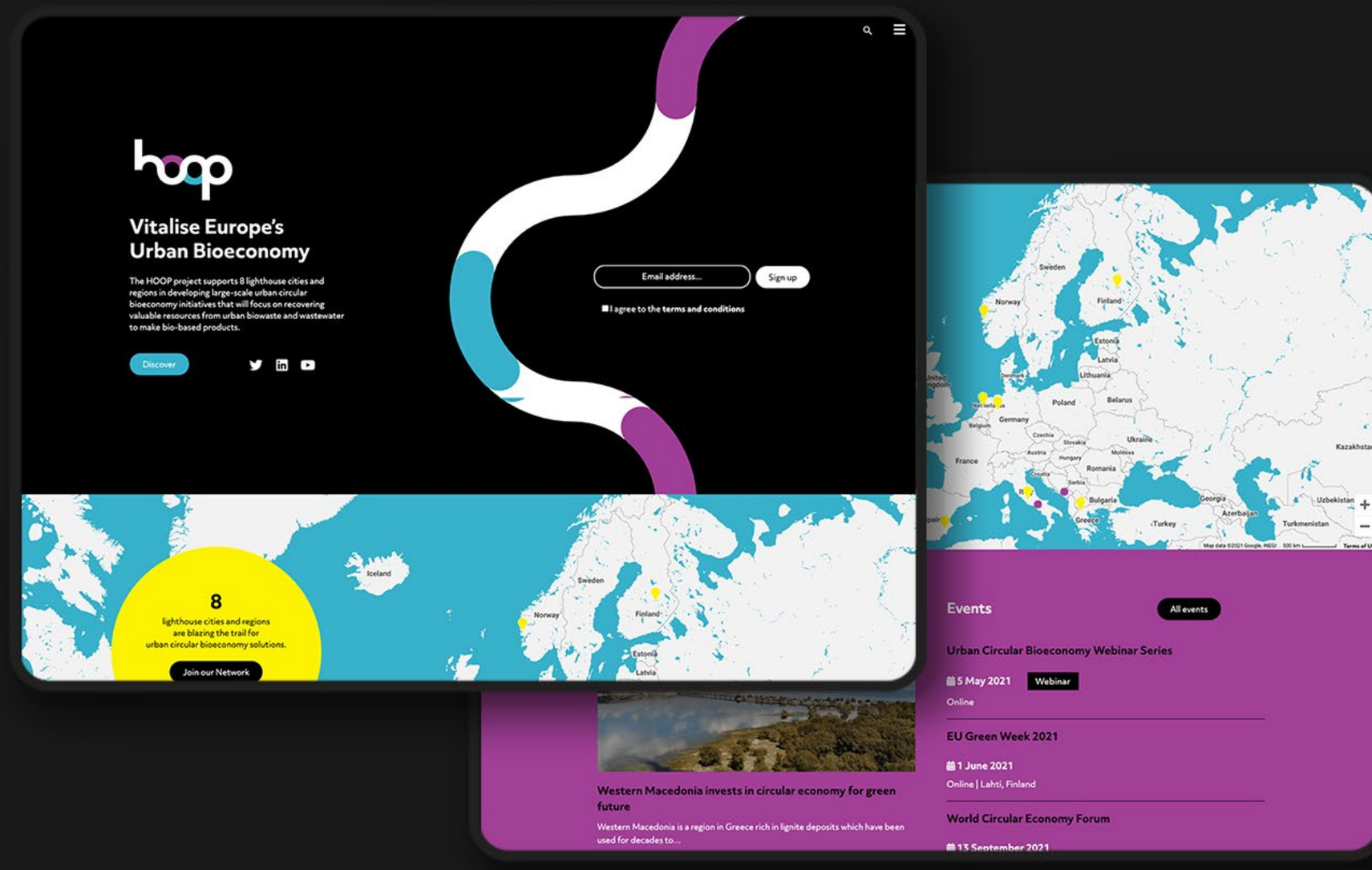
Vitalise Europe’s Urban Bioeconomy

hoopproject.eu

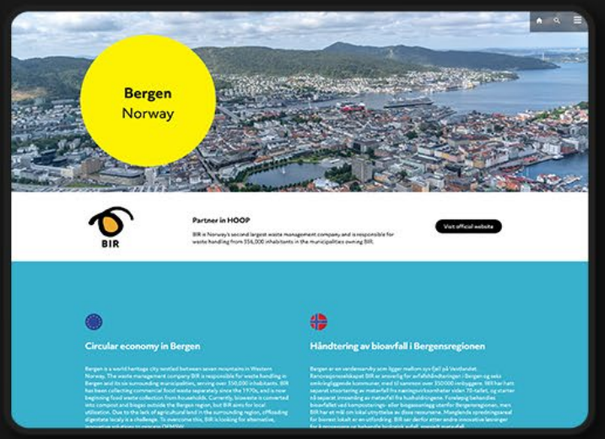
HOOP is an EU H2020 funded project supporting 8 lighthouse cities and regions in developing large-scale urban circular bioeconomy initiatives that will focus on recovering valuable resources from urban biowaste and wastewater to make bio-based products.

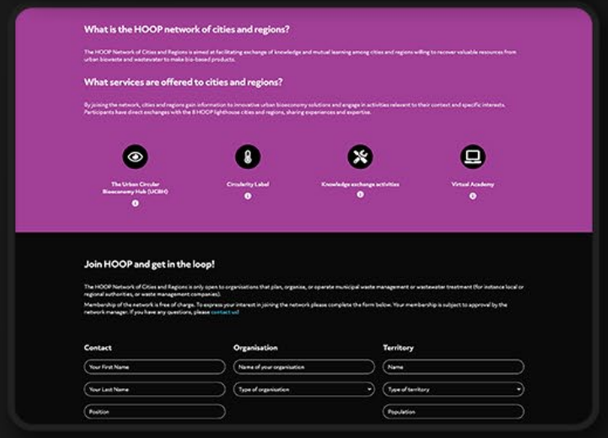
The HOOP Urban Circular Bioeconomy Hub will create an online platform to foster knowledge exchange and replication in cities across Europe.

Technical description:
Launch year : 2020
Language: HTML5 / CSS3 / PHP7.4
SVG Animation
Pages: 24
CMS: Wordpress

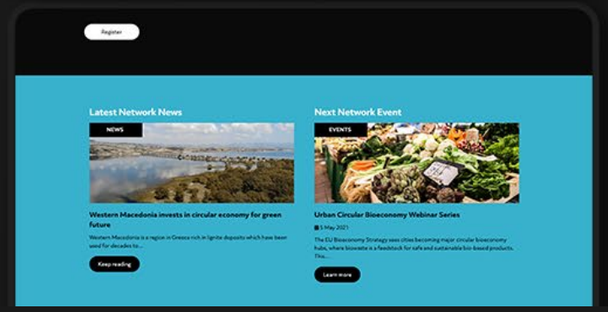


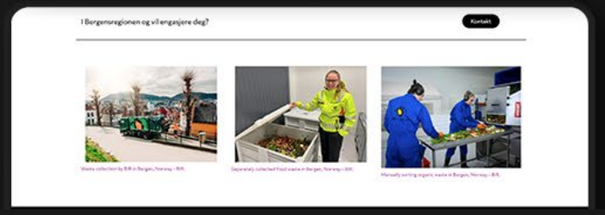
Welcome to the HOOP
Network of Cities and Regions
Be at the forefront of the urban circular bioeconomy!
Connecting cities and regions to vitalise Europe's urban bioeconomy
Join Today
Lighthouse
Network


Bergen
Norway
BIR
Partner in HOOP
Visit official website
Circular economy in Bergen
Håndtering av bioavfall i Bergensregionen


What is the HOOP network of cities and regions?
What services are offered to cities and regions?
The Urban Circular Bioeconomy Hub (UCBH)
Circularity Label
Knowledge exchange activities
Virtual Academy
Join HOOP and get in the loop!
Contact
Organisation
Territory
Your First Name
Your Last Name
Position
Name of your organisation
Type of organisation
Name
Type of territory
Population

Facing similar challenges in your region? Join our network to exchange solutions.
Register
BIR
Vestlendingenes egen miljøbedrift
we need to find other sustainable and innovative recycling methods
Ambition in HOOP
Ambisjon i HOOP


Register
Latest Network News
NEWS
Western Macedonia invests in circular economy for green future
Keep reading
Next Network Event
EVENTS
Urban Circular Bioeconomy Webinar Series
Learn more


I Bergensregionen og vil engasjere deg?
Kontakt

INHERIT

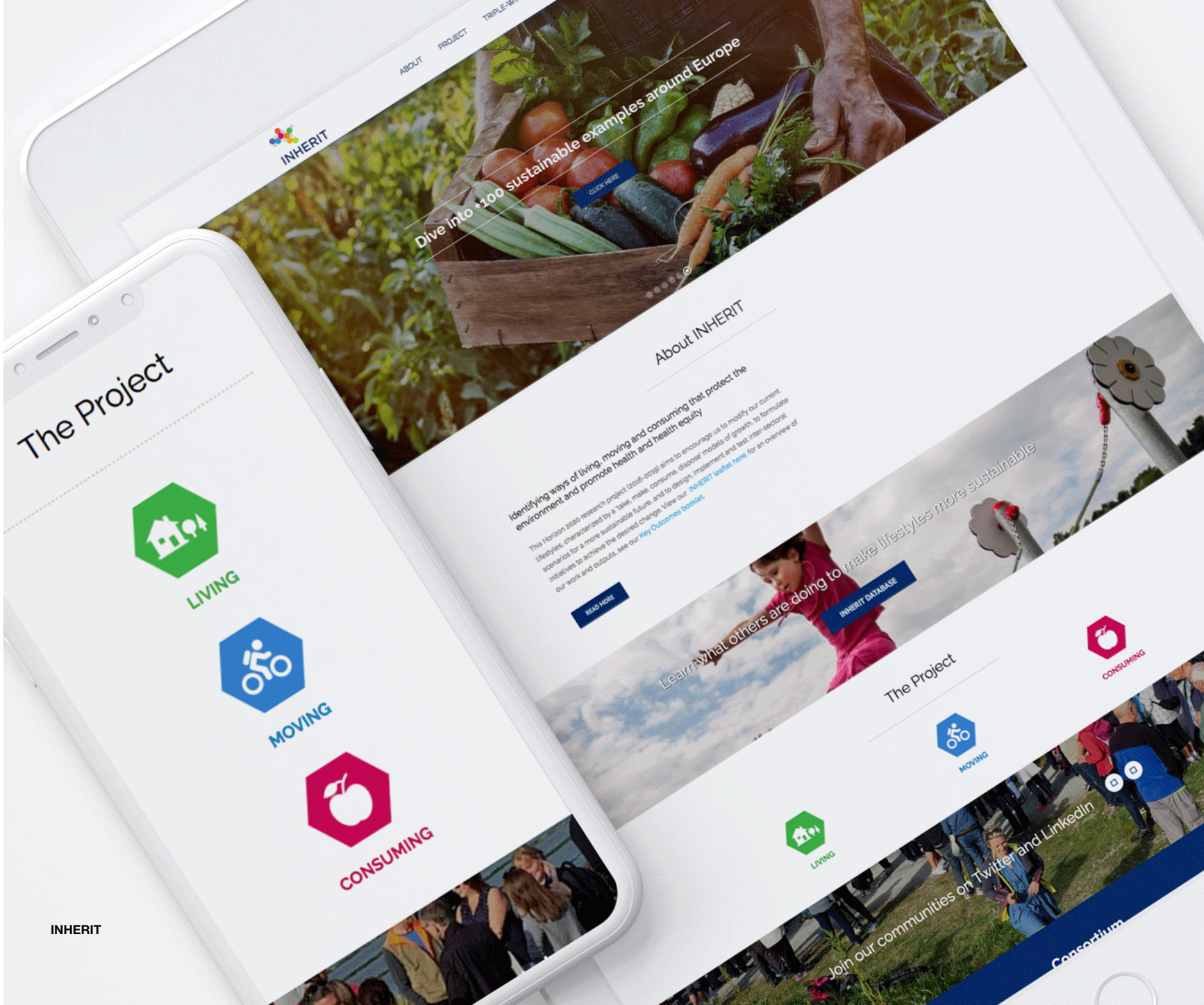
inherit.eu

Identifying ways of living, moving and consuming that protect the environment and promote health and health equity.

This Horizon 2020 research project (2016-2019) aims to encourage us to modify our current lifestyles, characterized by a ‘take, make, consume, dispose’ models of growth, to formulate scenarios for a more sustainable future, and to design, implement and test inter-sectoral initiatives to achieve the desired change.

Technical description:

Launch year: 2016
Language: HTML / CSS / PHP7.1
Pages: 455
CMS: Wordpress



INHERIT

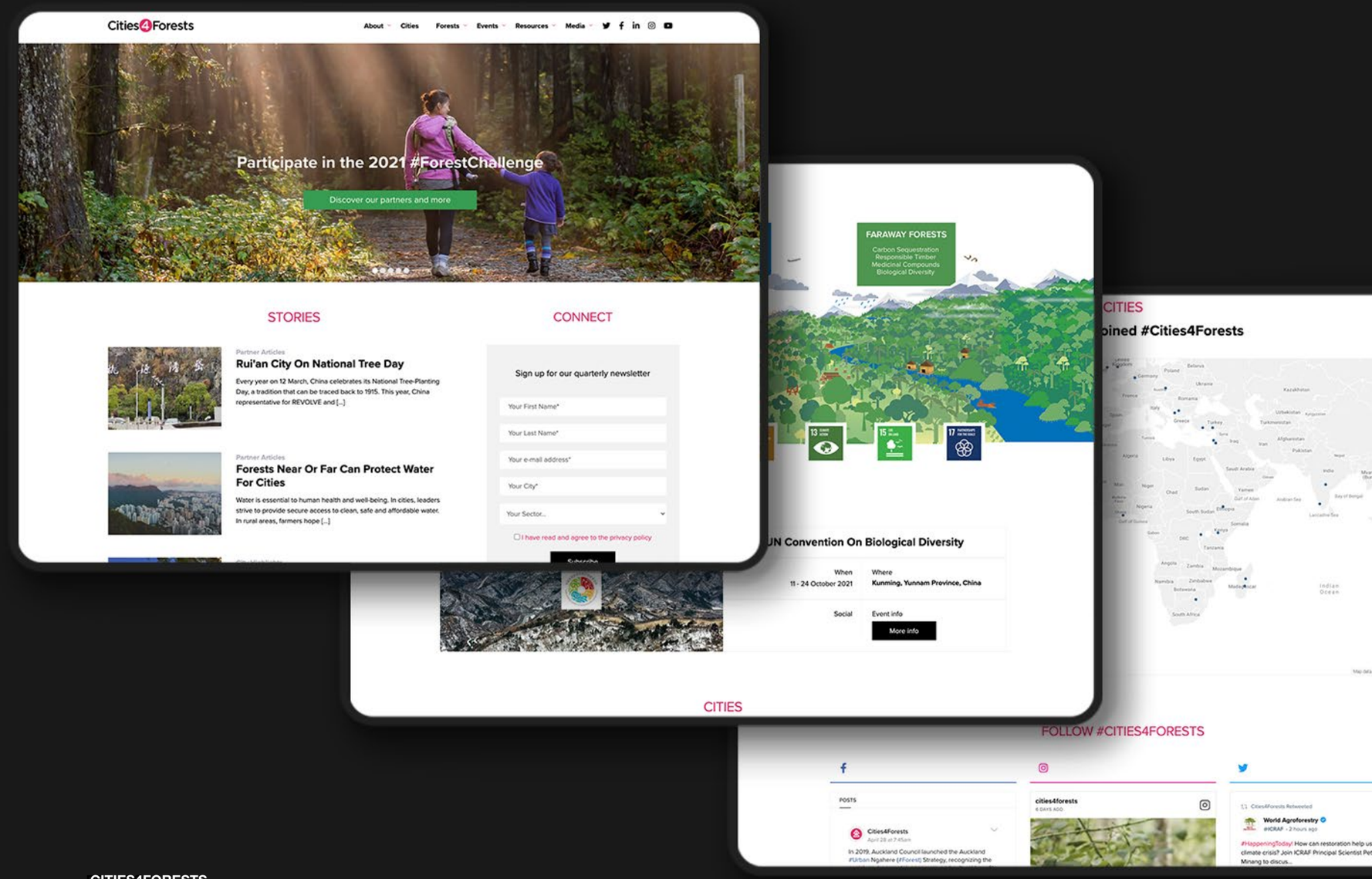
Cities4Forests

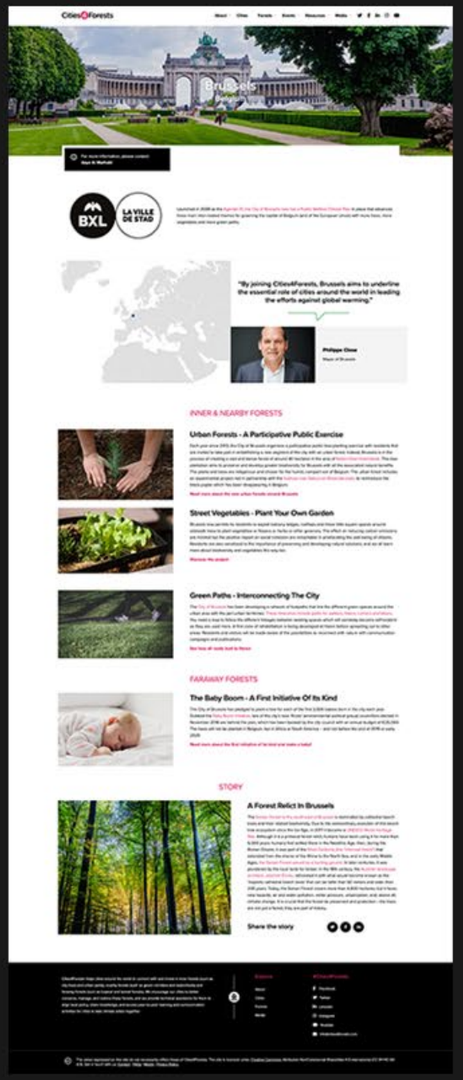
cities4forests.com

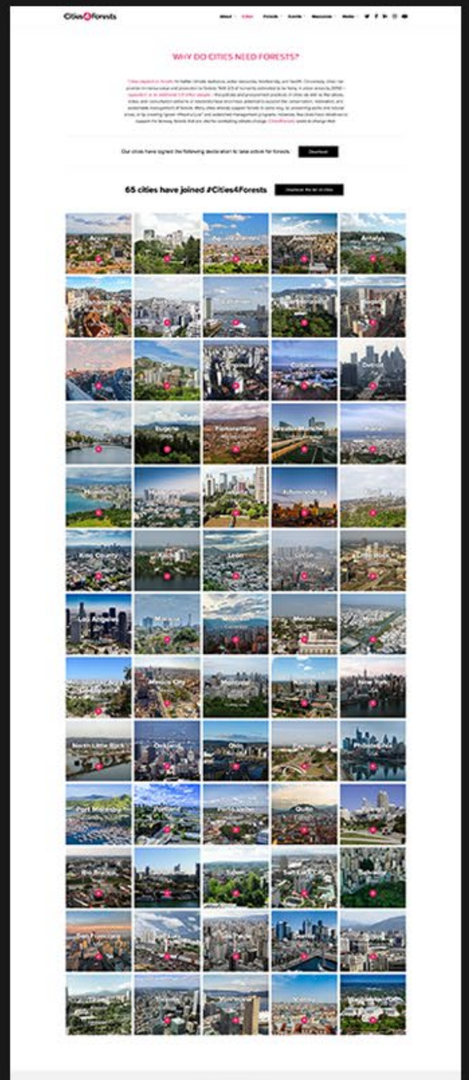
Cities4Forests helps cities around the world to connect with and invest in inner forests (such as city trees and urban parks), nearby forests (such as green corridors and watersheds), and faraway forests (such as tropical and boreal forests). C4F encourages its cities to better conserve, manage, and restore these forests, as well as provide technical assistance to align local policy, share knowledge, and access peer-to-peer learning and communication activities to take climate action together.

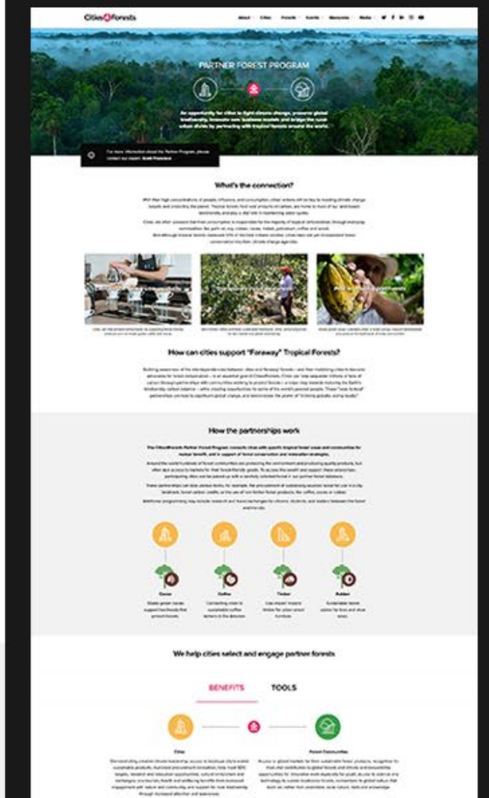
Technical description:

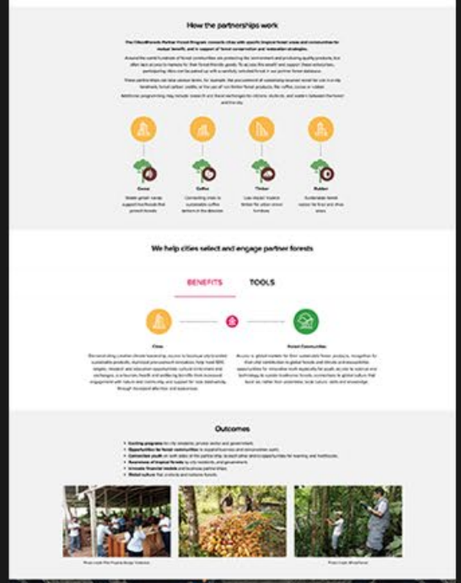
Launch year: 2018
Language: HTML5 / CSS3 / PHP7.4
Pages: 567
CMS: Wordpress

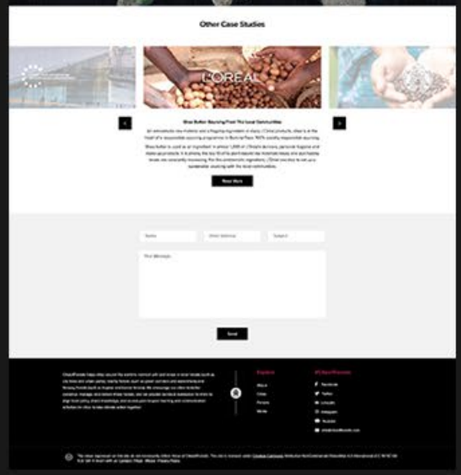



CitiesForests
BXL
LA VILLE DE STAD
"By joining CitiesForests, Brussels aims to underline the essential role of cities around the world in leading the efforts against global warming."
INNER & NEARBY FORESTS
Urban Forests - A Participative Public Exercise
Street Vegetables - Plant Your Own Garden
Green Paths - Interconnecting The City
FARAWAY FORESTS
The Baby Boom - A First Initiative Of Its Kind
STORY
A Forest Relict In Brussels
Share the story


CitiesForests
WHY DO CITIES NEED FORESTS?
65 cities have joined #Cities4Forests
INVOLVE YOUR CITY


CitiesForests
PARTNER FOREST PROGRAM
What's the connection?
How can cities support "Faraway" Tropical Forests?
How the partnerships work
We help cities select and engage partner forests
BENEFITS
TOOLS


How the partnerships work
We help cities select and engage partner forests
BENEFITS
TOOLS
Outcomes


Other Case Studies
L'ORÉAL

RAPID

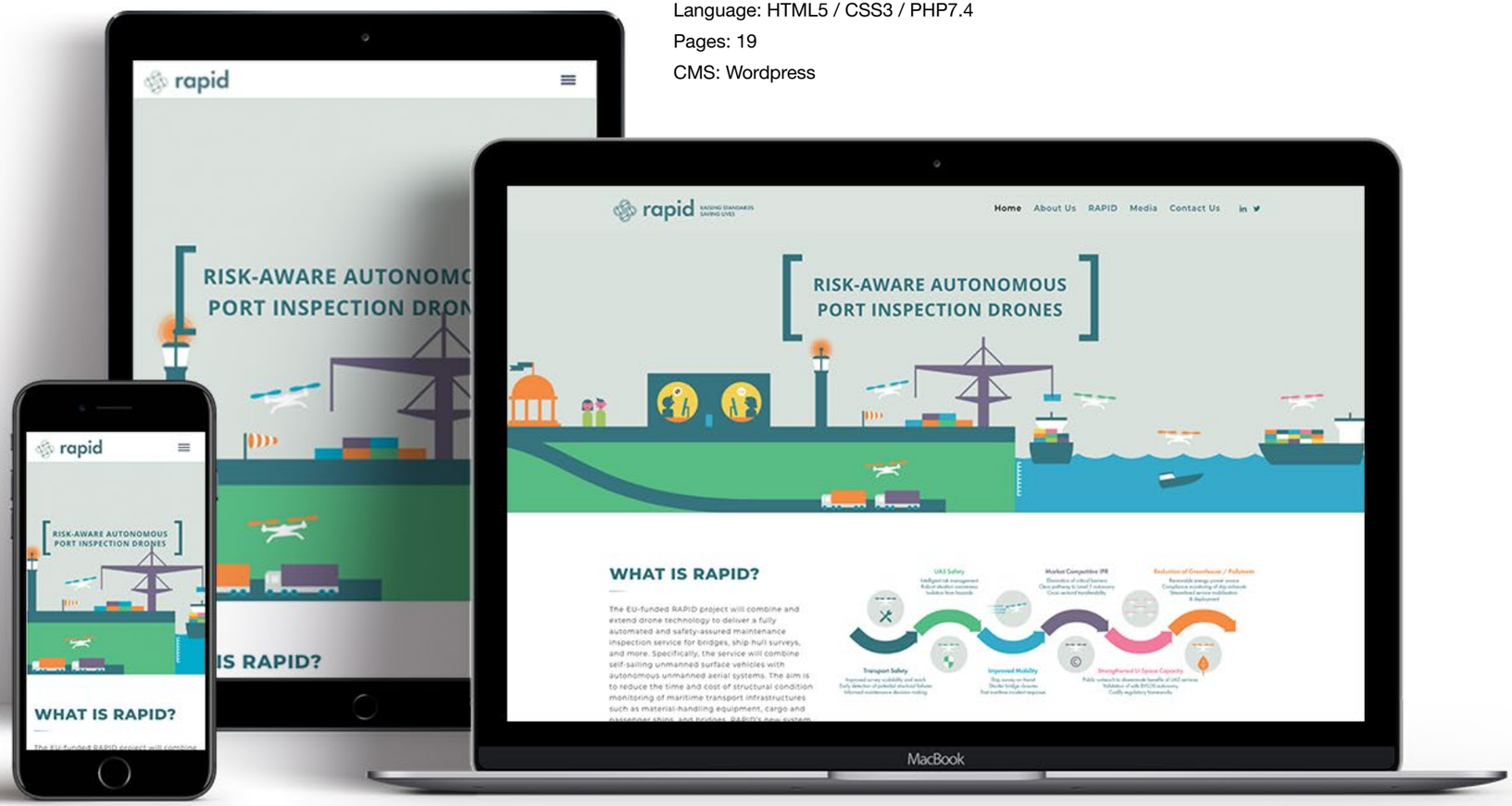
Raising Standards Saving Lives

rapid2020.eu

RAPID is a Horizon 2020 research project aiming to combine and extend drone technology to deliver a fully automated and safety-assured maintenance inspection service for bridges, ship hull surveys, and more. Specifically, the service will combine self-sailing unmanned surface vehicles with autonomous unmanned aerial systems. The aim is to reduce the time and cost of structural condition monitoring of maritime transport infrastructures such as material-handling equipment, cargo and passenger ships, and bridges. RAPID's new system will also facilitate the prioritisation of safer transport infrastructure.

Technical description:

Launch year: 2020
Language: HTML5 / CSS3 / PHP7.4
Pages: 19
CMS: Wordpress



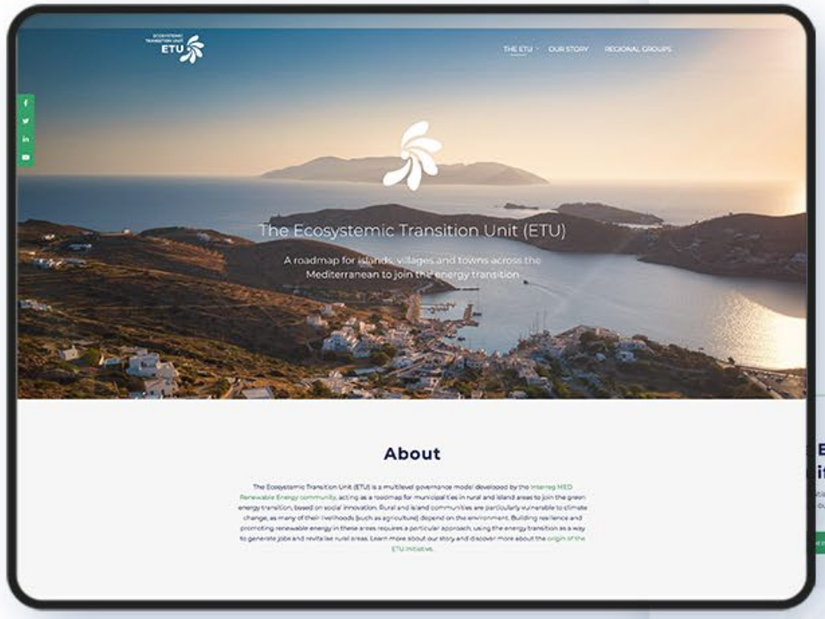
ETU

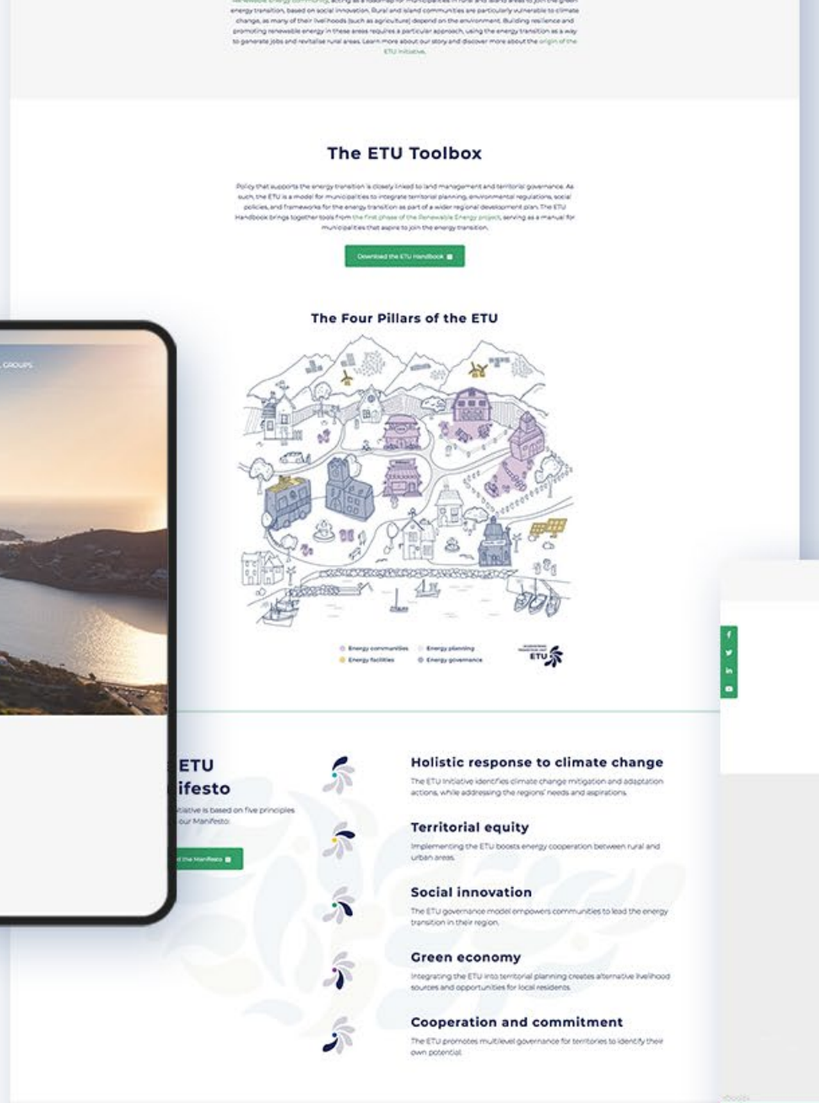
The Ecosystemic Transition Unit

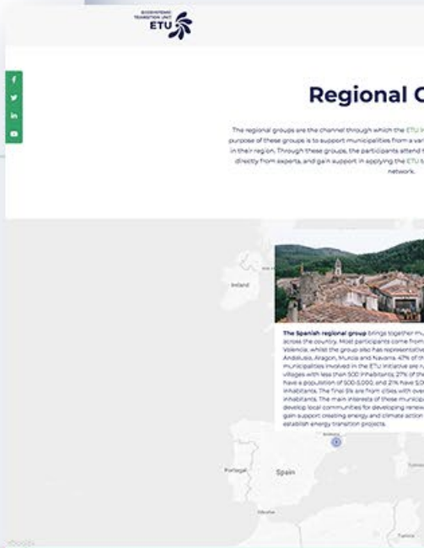
etuinitiative.eu

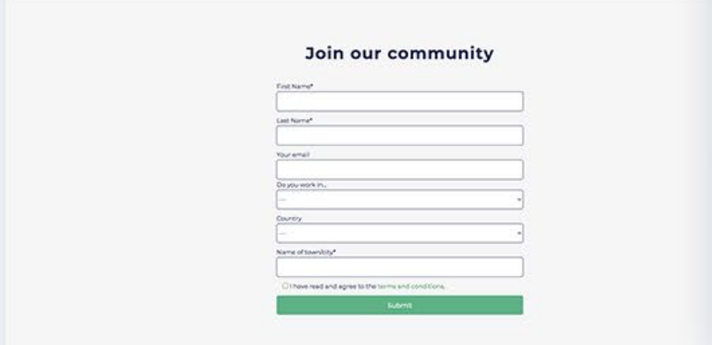
A roadmap for islands, villages and towns across the Mediterranean to join the energy transition.

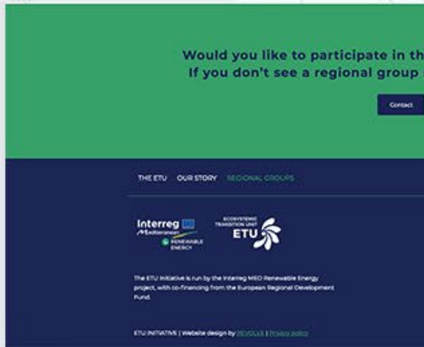
The ETU is a multilevel governance model developed by the Interreg MED Renewable Energy community, acting as a roadmap for municipalities in rural and island areas to join the green energy transition, based on social innovation.











Technical description:

Launch year: 2021
Language: HTML5 / CSS3 / PHP7.4
Pages: 3
CMS: Wordpress

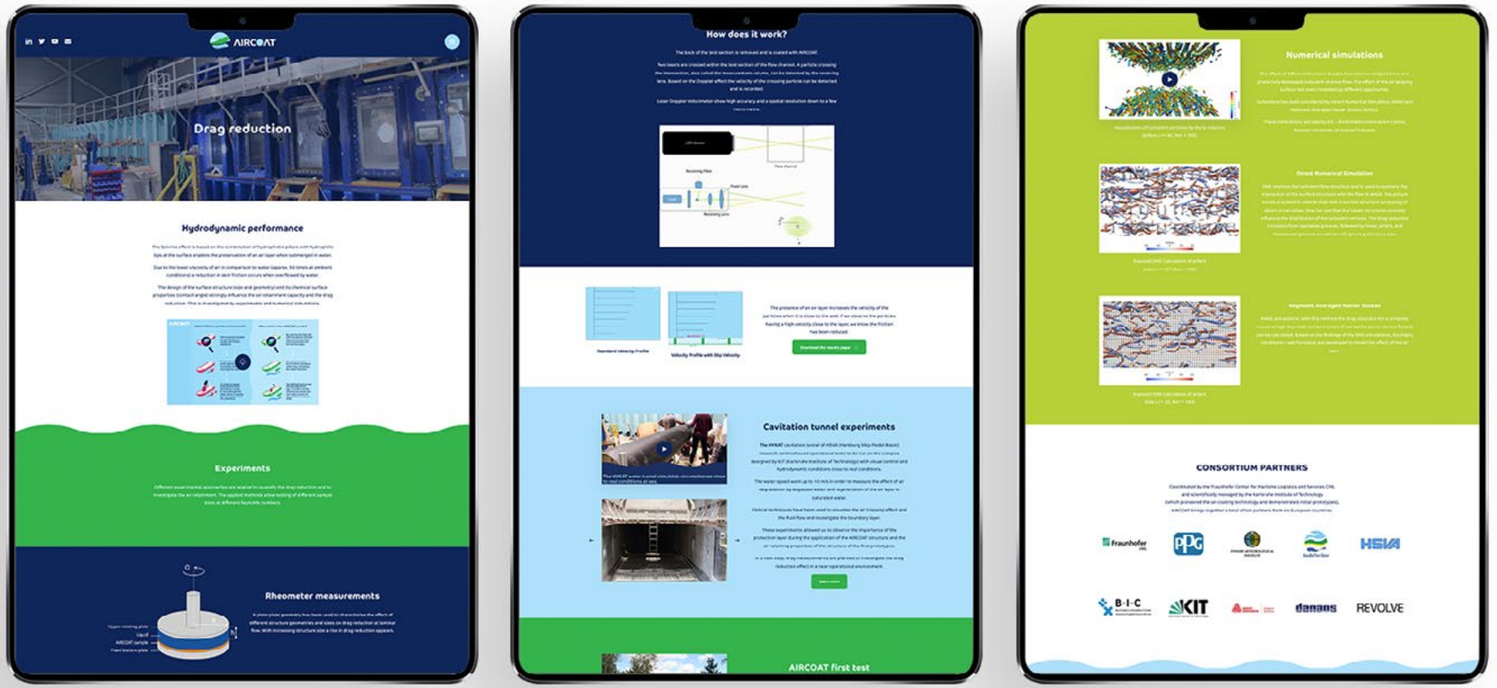
AIRCOAT

The Air Induced friction Reducing ship COATing project

aircoat.eu

The Horizon 2020 research and innovation AIRCOAT project aims to develop a passive air lubrication technology inspired by the Salvinia effect.

Applying technology to ship-hull surfaces will produce a thin permanent air layer when submerged in water. This will reduce the overall frictional resistance while acting as a physical barrier between water and the hull surface. In addition to reducing energy consumption, the air barrier will inhibit the attachment of maritime organisms (biofouling).



Technical description:

Launch year: 2018 -> (New version) 2021
Language: HTML5 / CSS3 / PHP7.4
Pages:70
CMS: Wordpress

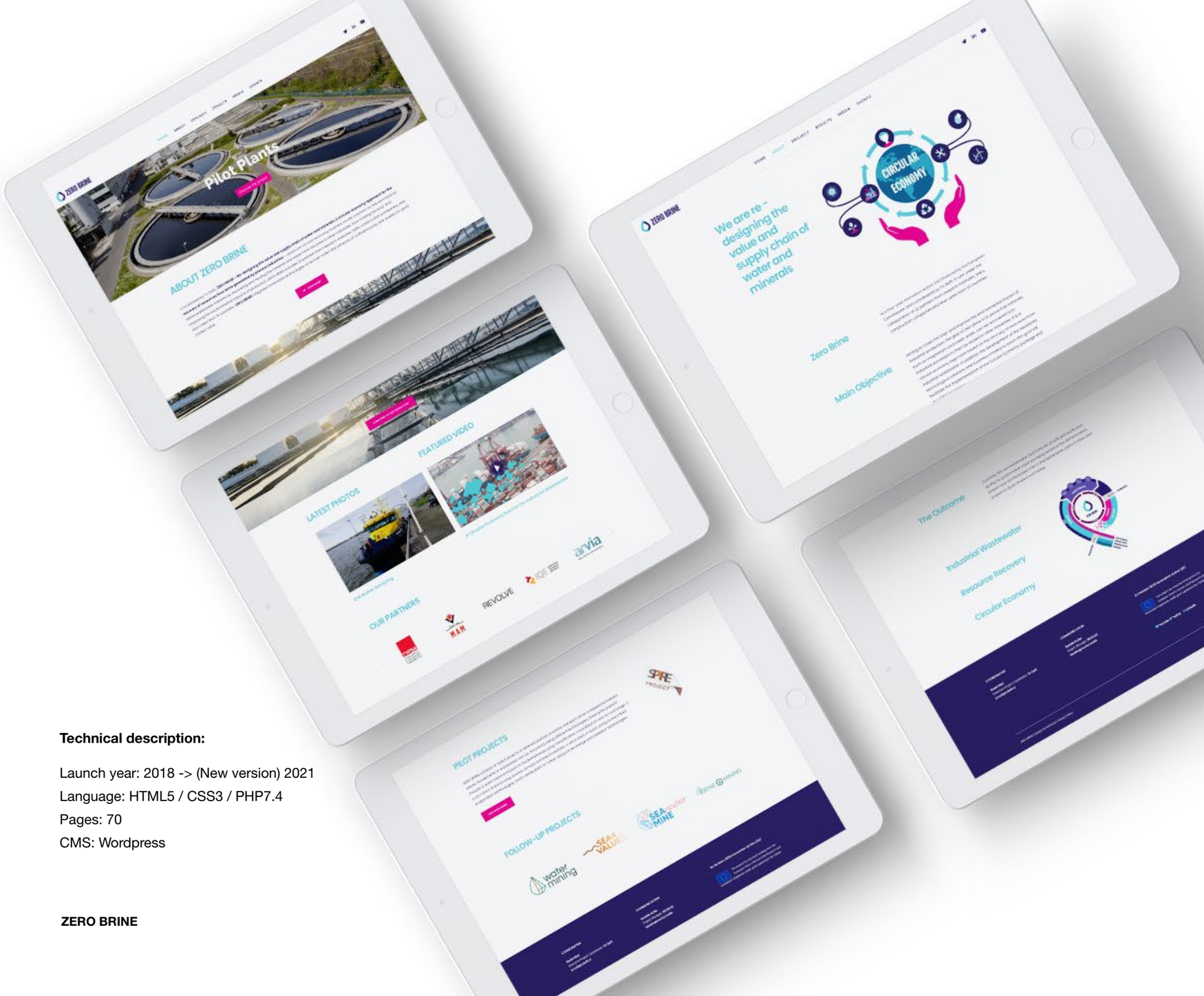
ZERO BRINE

A Circular Economy Solution for Industrial Wastewater

zerobrine.eu

Recuperating industrial wastewater (brine) to extract the minerals and chemicals in order to reinsert them into respective industries that can use them in their markets, thus closing the loop of the circular economy in the water treatment sector.

Coordinated by TU Delft, ZERO BRINE is a Horizon 2020 research and innovation project re-designing the value and supply chain of water and minerals.



Technical description:

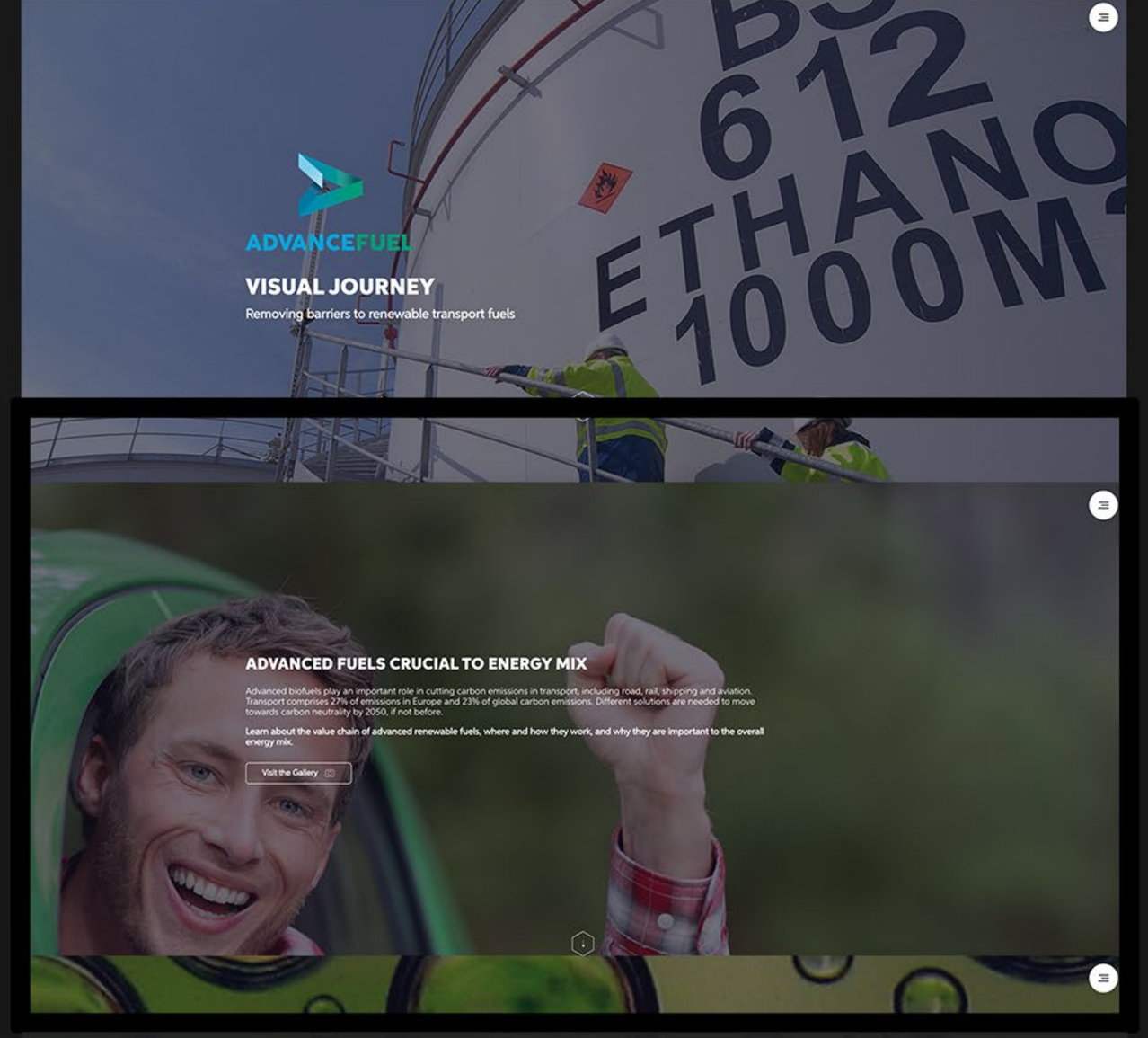
Launch year: 2018 -> (New version) 2021
Language: HTML5 / CSS3 / PHP7.4
Pages: 70
CMS: Wordpress

ADVANCEFUEL

Removing barriers to renewable transport fuels

advancefuel/visual journey

The ADVANCEFUEL Horizon 2020 research and innovation project aims to facilitate the commercialisation of liquid, renewable and advanced transport fuels (RESFuels) by providing market stakeholders with new knowledge, tools, standards and recommendations to help remove barriers to their uptake. To support commercial development of these fuels, the project has developed a framework to monitor the current status, and future perspectives, of RESFuels in Europe in order to better understand how to overcome barriers to their market roll-out.

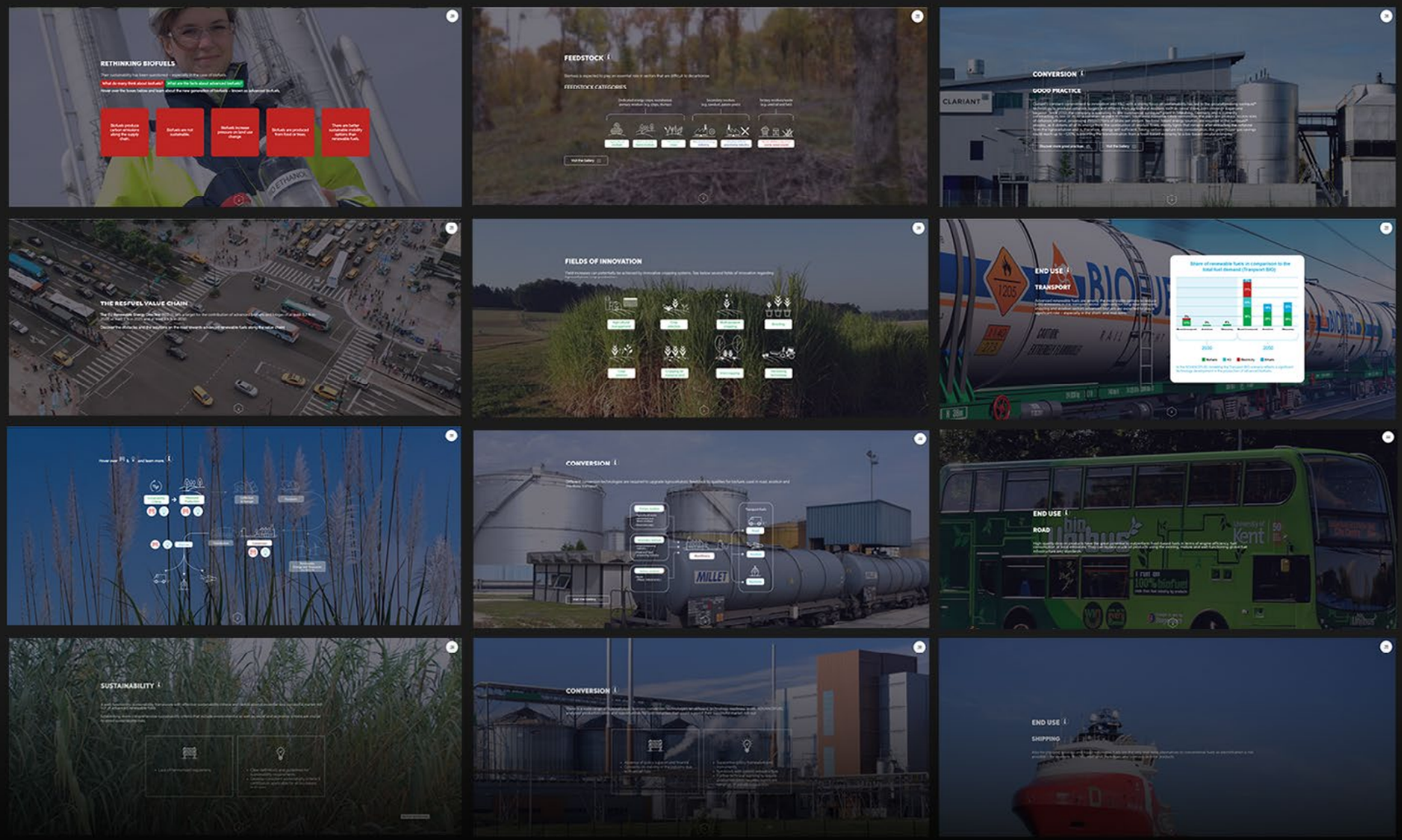


Technical description:

Launch year: 2020
Language: HTML5 / CSS3 / PHP7.3
Pages: 7
CMS: Wordpress

Following this, it is now investigating individual barriers in the elds of biomass availability, conversion technologies, sustainability as well as market framework, and advance new solutions for overcoming them.

A decision support tool will then be created for policy-makers to enable a full value chain assessment of RESFuels. Key market stakeholders are involved throughout the whole process and are helping to define policy recommendations to support the successful market uptake of renewable transport fuels. In this way, ADVANCEFUEL will contribute to achieving the EU's renewable energy targets and reduce carbon emissions in the transport sector to 2030 and beyond.



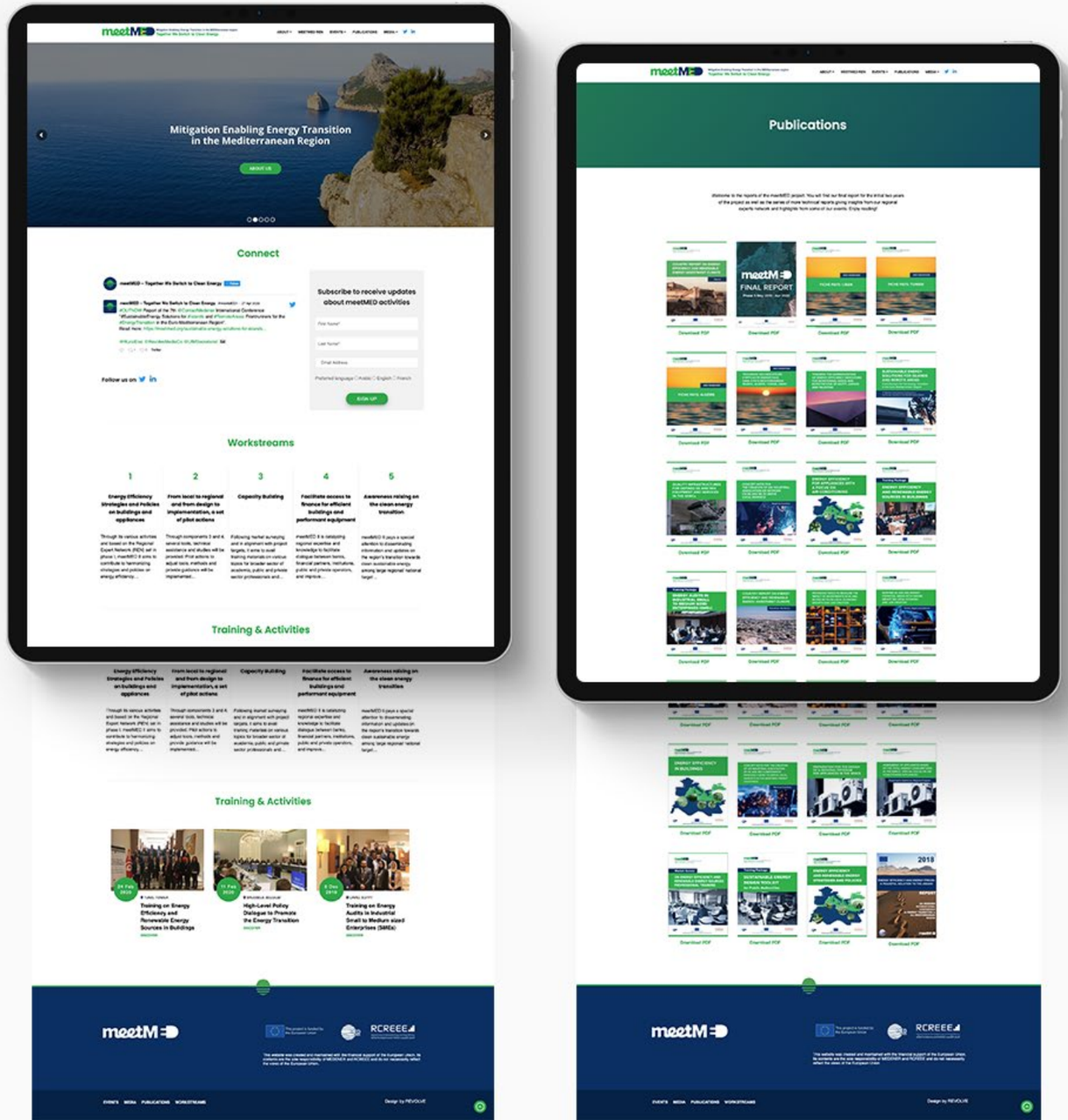
ADVANCE FUEL

meetMED

Together we switch to clean energy

meetmed.org

The Mitigation Enabling Energy Transition in the Mediterranean region (meetMED) project is developed by the Mediterranean Association of the National Agencies for Energy Management (MEDENER) and the Regional Centre for Renewable Energy and Energy Efficiency (RCREEE) to support regional cooperation and build technical capacity for the energy transition in Southern and Eastern Mediterranean (SEM) countries. meetMED was developed in May 2018 at the headquarters of the Union for the Mediterranean (UfM) in Barcelona, Spain, for an initial period of two years.



Technical description:

Launch year: 2018
Language: HTML5/CSS3/PHP7.4
Pages: 255
CMS: Wordpress

To understand our world, we must use a revolving globe and look at the earth from various vantage points.

Ryszard Kapuscinski, *Another Day Of Life* (1987)

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