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# RTIS Network

Resilience through Innovation and Sustainability

## Challenges in Mobility and Energy

# Who we are?



- ✓ RTIS Network (Resilience through Innovation and Sustainability) is part of a new generation of European organisations, developed by experienced professionals, coming from rapidly growing and important segments of the market.
- ✓ RTIS is a strategic ally of the Municipality of Northern Corfu and a number of other entities in Greece and abroad. RTIS has been on the leading edge of crafting actionable resilience strategies that lead with solutions that supporting sustainable development, innovation, resilience, technology, disaster risk reduction, climate change adaptation & mitigation, health management and social equity focused on a regenerated ecosystem at large scale.
- ✓ RTIS main goal is to see, organize and assist the participants/trainees to be confident, creative, productive, mentally - physically and spiritually healthy people focusing on the regeneration, technology & innovation awareness and the new reality, with no social inclusions, no racism, and totally inclusive societies

# Challenges in Mobility and Energy in Greek regions

## ✓ Challenges in Mobility and Energy in Greek Peripherals by RTIS Network for the GreenMove: Event and Activities – No.2

- ✓ Theme:
- ✓ Innovative Technologies for Sustainable Mobility and Energy Efficiency in Island and Rural Contexts
- ✓ Overall Goal:
- ✓ Knowledge Exchange & Collaboration: Facilitate cross-border sharing of innovative solutions tailored to island and rural mobility and energy challenges.
- ✓ Democratic Dialogue & European Values: Promote inclusive discussions on European identity, EU belonging, and democratic engagement in rural development.
- ✓ Resource Development: Empower stakeholders with practical tools such as the SIG Guidebook to implement sustainable strategies.

# Greek Regions in Sustainable Mobility and Energy

## ➤ Renewable Energy Integration in Remote and Island Communities

- Leveraging Greece's abundant solar and wind resources to develop microgrids and decentralized energy systems for islands like Mykonos, Santorini, and Crete.

## ➤ E-Mobility Solutions for Island Connectivity

- Developing electric vehicle infrastructure and e-mobility hubs to reduce reliance on fossil fuels and enhance transportation within and between Greek islands.

## ➤ Sustainable Tourism and Mobility Management

- Implementing eco-friendly transport options to balance tourism growth with environmental preservation in popular destinations such as the Cyclades and Dodecanese.

## ➤ Decentralized Energy Storage and Microgrid Technologies

- Promoting innovative energy storage solutions tailored to the island context to ensure energy resilience during peak demand or emergencies.

## ➤ Addressing Rural Depopulation through Sustainable Mobility

- Creating affordable and reliable transportation networks to improve access to essential services and encourage local retention in mountainous and rural regions like Epirus and Thessaly.



# Greek Regions in Sustainable Mobility and Energy



## ► Cultural Preservation and Smart Mobility

- Integrating technological solutions that respect local traditions, landscapes, and community needs, especially in UNESCO World Heritage sites like Delphi and Meteora.

## ► Enhancing Rural and Island Infrastructure Resilience

- Strengthening infrastructure to withstand climate change impacts, such as rising sea levels and extreme weather events, through innovative energy and transport solutions.

## ► Community-Led Renewable Energy Projects

- Supporting local initiatives for renewable energy production, empowering communities and fostering energy independence.

# Steps towards Green Mobility in Greek Regions

## 1. Assess Local Needs and Challenges

Begin by conducting detailed assessments of the specific mobility needs and challenges faced by each region. This includes understanding travel patterns, peak demand times, and existing infrastructure gaps. For islands, this may involve evaluating ferry schedules and local transport within towns, while in rural areas, it might focus on access to healthcare, education, and markets. Accurate data will inform targeted, effective solutions suited to each region's unique context.

## 2. Map Infrastructure and Renewable Resources

Create comprehensive maps of current transport infrastructure, such as roads, ports, and public transit, alongside renewable energy potentials like solar and wind resources. This visual overview helps identify opportunities for integrating sustainable energy solutions with transportation, such as solar-powered charging stations or wind-assisted ferries. It ensures planning is grounded in the region's resource availability and existing assets..

# Steps towards Green Mobility in Greek Regions



## ► 3. Develop a Regional Green Mobility Strategy

Formulate a strategic plan tailored to each region's specific needs, goals, and resources. This strategy should outline prioritized projects—like electric bus lines or bike-sharing schemes—and establish timelines, budgets, and stakeholder roles. A clear roadmap guides coordinated efforts, ensuring that investments in green mobility are sustainable, scalable, and aligned with regional development objectives.

## ► 4. Promote Electric and Hybrid Vehicles

Encourage the adoption of electric and hybrid vehicles by providing incentives, such as subsidies or tax reductions, to residents and businesses. Establish a network of charging stations at key locations—ports, town centers, and tourist sites—to facilitate EV usage. This shift reduces reliance on fossil fuels, cuts emissions, and fosters cleaner transportation habits among the local population.



# Steps towards Green Mobility in Greek Regions



## ► 5. Build E-Mobility Infrastructure

Invest in the infrastructure necessary for electric mobility, including fast-charging stations, battery swapping points, and maintenance facilities. Prioritize locations with high traffic or strategic importance, such as ferry terminals and popular tourist areas. Robust infrastructure ensures the practicality and convenience of electric vehicles, accelerating their adoption and supporting regional energy goals.

## ► 6. Integrate Renewable Energy with Transport

Leverage local renewable energy sources to power transport infrastructure. For example, install solar panels on charging stations or develop microgrids that supply clean energy to transportation hubs. This integration increases energy resilience, reduces operational costs, and aligns mobility initiatives with Greece's broader sustainability commitments.





# Steps towards Green Mobility in Greek Regions



## ► 7. Enhance Intermodal Transportation

Create seamless connections between different transport modes—ferries, buses, bikes, and pedestrian pathways—allowing for smooth, integrated travel experiences. For instance, synchronized schedules and shared ticketing systems make it easier for travelers and residents to switch modes, reducing car dependence and promoting sustainable options.

## ► 8. Engage Communities and Build Capacity

Involve local communities through awareness campaigns, participatory planning, and training programs. Educating residents on the benefits of green mobility fosters acceptance and encourages behavioral change. Community engagement ensures solutions are culturally appropriate and widely supported, increasing their long-term success.



# Steps towards Green Mobility in Greek Regions



## ► 9. Launch Pilot Projects

Start small-scale pilot initiatives—such as electric shuttle services on specific islands or rural zones—to demonstrate feasibility and benefits. These projects serve as proof-of-concept, providing valuable data, lessons learned, and public support, paving the way for broader implementation.

## ► 10. Secure Funding and Policy Support

Identify and pursue funding opportunities from regional, national, and European sources dedicated to sustainable transport. Develop policies and incentives that encourage adoption—such as reduced tariffs or grants—creating a favourable environment for green mobility investments and innovations.



# Steps towards Green Mobility in Greek Regions



## ► 11. Monitor, Evaluate, and Scale Up

Establish clear indicators to track the performance and impact of mobility initiatives. Regular evaluation allows for adjustments and improvements. Successful pilot projects can then be expanded to other regions, ensuring scalable and sustainable mobility solutions across Greece's diverse landscapes.

## ► 12. Foster Regional and Cross-border Cooperation

Promote partnerships among Greek regions and neighboring countries to share knowledge, infrastructure, and best practices. Cross-border collaborations can lead to integrated transportation networks, joint renewable projects, and a unified approach toward sustainable mobility in the Mediterranean area.

# Mission Statement

- ✓ Our mission is to drive eco-culture, innovation and resilience skills training, consulting and mentoring across Europe, for educational institutions, VET schools, NGO's and professionals, for the labor market and for all European citizens in general, always acting proactively!





# Our vision

- ✓ RTIS vision is to become a leading international social organization and a think-tank through continuously improving education and innovation in entrepreneurial skills to contribute to economic, social and cultural challenges to identify social inclusion towards a total regeneration.



# Team's engagement

Our team can be engaged by both private & public sectors to provide:

- Training and youth exchange programs
- Research and analysis
- Strategy development
- Project management
- Social Media Management / Strategic management
- Coaching, mentoring and training
- Dissemination and communication management
- Advisory and mentoring role for professionals to put the acquired knowledge into practice.



# Committed to...

- ✓ a transformational culture and continuous evolution/adaptation to changes and technological advances focusing in sustainability and regeneration
- ✓ excellence and providing the highest standards of quality of service with the best feasible deliverables
- ✓ to innovate, learn, share and collaborate in the new reality of the 3rd decade of the 21st century.
- ✓ support all the European Pillars, but especially the European Pillar of Social Rights which promotes an economy based on knowledge, research and innovation, high-level education and training, adaptability and creativity, inclusive labor markets and the active involvement of young people in society.

# Committed to... (2)

- ✓ respect the human person/individual needs and are committed to the balancing of professional, personal and family life.
- ✓ human development, job creation and social progress by investing in people in line with the Millennium Development Goals (MDGs).
- ✓ innovative learning methodologies focusing in the environment and tourist destinations
- ✓ provide training & innovation sessions in entrepreneurial skills internationally, but we are also committed to promoting innovative advances in education through active participation in European projects and educational initiatives.



# EU Projects

- ✓ We are specialized in developing open innovation ecosystems and in commercializing the technologies arising from such ecosystems.
- ✓ Our experts work closely with the companies to achieve feasible business plans and funding plans for public funding.
- ✓ We have coordinated Erasmus +, LIFE, Interreg and CERV projects



# EU Projects

RTIS Network provides the information tools that organizations need to clarify their project ideas; track suitable funding sources to support them; and tailor them to meet specific funding program requirements.

RTIS Network also offers partnership building, bid/consortium management, technical assistance, dissemination and project evaluation services.



# Thank you

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