



**Regions
4Climate**

Good Practices for Regional Climate Resilience



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Within the **Climate Resilience Maturity Level Analysis** of the *Regions4Climate* (R4C) project, multiple actions were identified as good practices. These actions represent tools and approaches that enabled the participating regions to strengthen their climate resilience.

The good practices range from emergency response strategies to **stakeholder engagement** and have been implemented across Europe. Some of the initiatives were developed before the implementation of the R4C project and with external funding, providing pre-existing plans, tools, and strategies that helped the R4C regions to serve as exemplary models, within the framework of the project.

The Good Practices leaflets are designed as practical examples and learning references for local (municipal) and regional administrations and their technical teams for planning and implementing climate adaptation and resilience actions in a socially just transition.



Civil Protection Geoportal



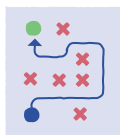
Network of sustainable municipalities



Green Teams



Consortium of beach managers for coastal resilience



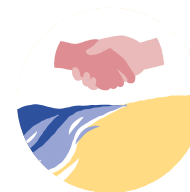
Climate Action Plan Framework



Stakeholder Engagement in Regional Policy-Making



Nordic Archipelago Inspirational Forum



Joint sustainable coastal management

Civil Protection Geoportal

Regional plans and strategies for emergency response



GOAL

The [Castilla y León Civil Protection Geoportal](#) is a digital tool that supports **emergency management** in situations such as wildfires, floods, and other disasters. Since 2015, it provides georeferenced, up-to-date risk information to help professionals, authorities, and the public in prevention, planning, and coordinated disaster response.

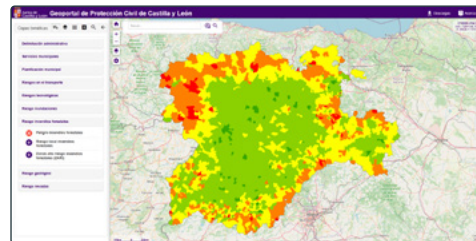


METHODS AND RESOURCES

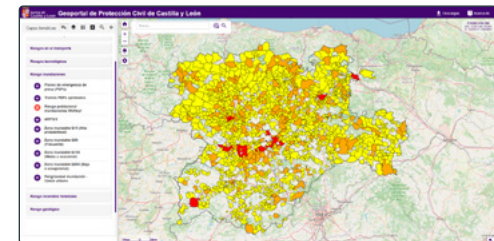
The Geoportal uses GIS to map risks areas as well as open data from weather stations and wildfire reports, integrating civil protection systems and emergency services. Continuous training is offered to system operators and users, together with a constant update of the cartographic and risk data. The initiative is supported by the Castilla y León Regional Government and the European Union and is aligned with the Civil Protection Law.

RESULTS AND LEARNINGS

The Civil Protection Geoportal strengthened emergency response through real-time information and increased public awareness by **enabling citizens to access data**. Effective stakeholder coordination, continuous user training, and regular data and map update contributed to a successful civil protection tool. Castilla y León region aims to expand coverage, incorporate technological improvements, such as mobile applications, and foster international collaboration to exchange best practices.



Wildfire hazard



Population risk flooding INUNcyl



Network of sustainable municipalities

Governance structures for multi-level coordination



GOAL

[Udalsarea 2030](#) is a multi-level cooperation network launched in 2002, and **promotes sustainability** in Basque municipalities through technical assessment, a common model of governance, and a diverse range of services. Nowadays, it is focused on promoting the implementation of climate and energy policies at the local level, aligning local objectives with regional, national and European ones. The network comprises of 226 city councils and 23 county councils and is chaired by the Basque Government's Department of industry, energy transition and sustainability, and the [Basque Environmental Agency, Ihobe](#), which acts as technical secretariat.



METHODS AND RESOURCES

Udalsarea 2030 is based on a collaboration agreement among different levels of the Basque Administration, and every four years it is renewed with defined roles and responsibilities. The network operates through **stable governance structures**, including a presidency, a technical committee, a coordination commission, and a technical secretariat to ensure coordination across municipalities and supra-municipal entities. Its resources come mainly from Ihobe and the Basque Government, who support the operational governance framework of the network by providing methods and tools for the development, implementation, evaluation and monitoring of climate and energy plans. Three annual general assemblies are also held for coordination and experience-sharing among network members, bringing together more than 150 participants and over 100 entities.

RESULTS AND LEARNINGS

Udalsarea 2030 promotes local climate action within a multilevel governance system. Currently, approximately 130 municipalities have climate and energy plans, 56 Basque municipalities have become EU Covenant of Mayors signatories, more than 100 Nature-Based Solutions (NBS) have been identified, and 252 detailed local risk and vulnerability assessments have been carried out. More information can be found in the [yearly activity report of the network](#).



Green Teams

Participatory governance and stakeholder engagement



GOAL

The Green Teams initiative started in 2019 and aims to support the Azores Sustainable Destination Certification by establishing **local sustainability task forces** on each island and fostering multistakeholder collaboration for action, monitoring, and engagement.



METHODS AND RESOURCES

The initiative applies GSTC-based sustainability training, active participation in audits and local monitoring, and **community engagement practices**, relying on local teams, authorities, private actors, and NGOs. The Green Teams are framed within the [Action Plan for the Sustainability of the Azores Destination](#) and supported by coordination teams and reporting tools. The initiative is funded by the Regional Government and EU funds.



RESULTS AND LEARNINGS

The initiative has strengthened local engagement and supported the certification process, demonstrating that training is essential and that a localised approach is effective. Looking ahead, it forms part of the 2019–2030 Action Plan and is expected to foster a stronger regional community.





Consortium of beach managers for coastal resilience

Participatory governance and stakeholder engagement



GOAL

The consortium of beach managers in Val di Cornia, Tuscany, seeks to engage the private sector in climate resilience planning and implementation, **fostering greater awareness** and behavioural change. As a result, local actors recognise the benefits of ecosystem protection and have a leading role in coastal resilience. The consortium started as a multi-stakeholder dialogue process with local actors, and in 2008, beach resort managers came together to create the consortium of beach managers ([Consorzio Balneare Costa Est Piombino](#)).



METHODS AND RESOURCES

The consortium uses a participatory process with regular meetings, training, and joint projects, involving local stakeholders. Key resources include the managers of the coastal environment, Parchi Val di Cornia SPA, local beach managers, experts, and local authorities, with funding provided by the Tuscany Region and the Municipality of Piombino.



RESULTS AND LEARNINGS

Early engagement of beach managers fostered a **long-lasting behavioural change**, increasing awareness of the link between ecosystem protection and their economic activity, and empowering them as local actors for resilience. Through their Consortium, local beach operators are now among the main actors in the preservation of the dune and coastal ecosystem, together with local and regional institutions, supporting and sharing every action aimed at conserving the Sterpaia Coastal Park through both standardized and experimental interventions based on the “working with nature” philosophy.

Climate Action Plan Framework

Stakeholder engagement plan development



GOAL

The [Climate Alliance](#) aims to support Danish municipalities in developing binding climate action plans to ensure climate mitigation and adaptation in alignment with the Paris Agreement. The goal is to guarantee effective stakeholder involvement with matters directly affecting citizen lives. This is achieved by providing a template and clear guidance for stakeholder engagement throughout the planning and implementation processes.



METHODS AND RESOURCES

The Climate Alliance applies C40's Cities Climate Transition Framework (CCTF), a template covering many subjects, including stakeholder involvement, added value, and social justice, which municipalities must address comprehensively. To support this process, municipalities have **access to knowledge sharing**, workshops, and individual counselling on plan development. Financing is provided by the National Association of Municipalities, and the philanthropic trust Realdania. On top of this, the think-tank Concito and the C40 network contribute as knowledge partners.

RESULTS AND LEARNINGS

The Climate Alliance has produced 98 municipal climate action plans. The process is now progressing from planning to the implementation phase, with plans revised every four years, offering the opportunity to assess and adjust future approaches. The results from *Regions4Climate* will be disseminated through the Climate Alliance and work as inspiration for the municipal climate actions plans specifically regarding how to work with just transition.





Stakeholder Engagement in Regional Policy-Making

Stakeholder engagement plan development

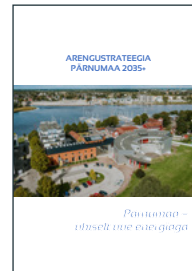


GOAL

Stakeholder engagement for development planning in Pärnu County (Pärnumaa) began in 2018 and has since evolved into a **regional innovation ecosystem** based on the Quintuple Helix model. It brings together public, private, academic, civil society, and environmental actors at the Innovation Hub KOBAR. This collaboration supports policy alignment and the co-creation of strategic regional development frameworks, including the Pärnu County Development Strategy 2035+ and municipal SECAPs. The initiative is jointly led by the Pärnu County Development Centre, the Association of Pärnu County Local Municipalities, and the University of Tartu's Pärnu College.

METHODS AND RESOURCES

Stakeholder engagement is carried out through surveys, roundtables, participatory strategy development, and co-creation of regional strategies, such as [Pärnumaa 2035+](#), involving municipalities, SMEs, academia, and NGOs. At the Innovation Hub KOBAR, collaboration is strengthened through co-creation workshops, hackathons, and roadmap development. These activities are supported by Interreg and Horizon project funding and reinforced by national policy frameworks.



RESULTS AND LEARNINGS

The initiative has enhanced inter-regional **collaboration** and fostered policy innovation, resulting in the creation of the West-Estonia Circular Bioeconomy Roadmap and the launch of climate-resilience planning under the *Regions4Climate* project. Additionally, international demand-driven BioBoosters hackathons have strengthened SME biore-source use and sidestream valorization, and expanded cross-border collaboration, driven by trust-building, co-location and alignment with green and digital transition goals.





Nordic Archipelago Inspirational Forum

Stakeholder engagement plan development



GOAL

The Nordic Archipelago Cooperation (NSS), a cross-border regional partnership between authorities in the archipelago regions of Finland, Åland, and Sweden, aims to develop a **shared vision for sustainable inter-regional transport** and renewable energy systems. The cooperation seeks to model renewable energy production and different low-carbon ferry solutions, including electric, hydrogen, and other emerging alternative fuels, while exploring business models for a cross-border company. In this way, transport operations can be managed, supported by broad stakeholder engagement across the participating regions.

METHODS AND RESOURCES

Developed simulation tool compares alternative ferry solutions for the archipelago by combining basic route information with key design and operational data. It provides transparent assessments of investment requirements, emissions, and economic feasibility to support regional decision making. By providing decision-makers with enhanced data access, identifying areas for action, and formulating future strategies, the NSS promotes social development and contributes to increased understanding of the conditions in archipelago and coastal areas. To foster strong stakeholder engagement, NSS has established the Nordic Archipelago Inspirational Forum. The initiative is funded by the Nordic Council of Ministers, member organisations, and EU programmes such as *Regions4Climate*.

RESULTS AND LEARNINGS

The Nordic Archipelago Inspirational Forum has created a growing **cross-sectoral network** across the Nordic and Baltic regions, promoting cooperation and supporting *Regions4Climate* through events and stakeholder engagement. Nowadays, it is an independent entity, expected to continue contributing to NSS and R4C beyond the project's lifespan. The simulation tool has already been applied in other regions, including Estonia, and its modular design allows straightforward transfer to other transport applications such as bus system analysis.





Joint sustainable coastal management

Co-development and co-production of knowledge



GOAL

For over 15 years, science and society jointed forces to promote sustainable coastal management. The main goals are to effectively **address societal needs** by utilising research results, facilitate dialogue, enable co-creation among stakeholders from diverse backgrounds, and sustain long-term collaboration for sustainable outcomes.



METHODS AND RESOURCES

The joint sustainable coastal management includes two complementary initiatives, [GIS Littoral Basque](#) and KOSTARISK. GIS Littoral Basque gathers local and regional cross-border public authorities, research laboratories and institutions, and private expert actors. It aims at connecting the societal needs of the French-Spanish Basque territory and the knowledge and tools developed by scientists and engineers. KOSTARIKS is a cross-border, joint laboratory dedicated to applied research on coastal risks and coastal adaptation. It includes the participation of an academic research laboratory, a regional technology centre, and a private expert company, co-funded by the partners and supported by the French public Programme d'Investissements d'Avenir.

RESULTS AND LEARNINGS

GIS Littoral Basque has implemented over ten innovation projects in the region, translating research into practical applications and services currently in use. KOSTARISK has produced six PhD theses, four post-doctoral collaborations, more than ten scientific publications, and developed three key technologies supporting services to society. The main learnings show that **co-development bridges science and society**, long-term collaboration needs continuous and sustainable support, and participants need to commit to open and respectful dialogues.





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