



Stuttgart, 23rd of January 2025

ROADMAP FOR COOPERATION

REGIONAL GOVERNMENT OF ANDALUSIA – STATE OF BADEN-WÜRTTEMBERG

The proposed programs are organized in three strategic pillars: institutional, industrial and research cooperation:

Pillar: Institutional Coop.	Programs	Projects	PARTICIPANTS
<p>Goal 1:</p> <p>To contribute to the development of administrative capacities by promoting dialogue, cooperation, and exchange between both regions</p>	<p>P1 Exchange of success cases in the promotion of renewable energies, hydrogen, and neutral fuels in the field of logistics and transport</p>	<p>P1.1 Identification and characterization of success stories at the regional level in the promotion of renewable energies, hydrogen and neutral fuels, and in the implementation of environmentally friendly energies in the fields of logistics and transport.</p> <p>P1.2 Mutual technical assistance in the practical implementation of the cases identified as priorities in each region.</p> <p>P1.3 Identifying further support needs to ensure the success of regional projects and scale up facilities.</p>	<p><u>AND:</u></p> <ul style="list-style-type: none"> -Reg. Ministry of Industry, Energy and Mining - Reg. Ministry of Sustainability - Reg. Ministry of Infrastructure <p><u>BW:</u></p> <ul style="list-style-type: none"> -Ministry for the Environment, Climate and Energy Sector BW



			<p>-Ministry of Economic Affairs,</p> <p>Labour and Tourism BW</p> <p>-Ministry of Transport BW</p> <p>-State Ministry BW</p> <p>-e-mobil BW/Plattform H2BW</p>
<p>Goal 2:</p> <p>To contribute to a greater participation in the processes of dialogue, collaboration, cooperation, and decision-making within the European Union and in the search for synergies with other European regions</p>	<p>P2 Strengthening the European positioning of both regions</p>	<p>P2.1 Coordination between the delegations of BW and AND in Brussels to identify shared topics of interest between both regions that should be promoted at the EU-level, where feasible.</p> <p>P2.2 Preparation of Reports (Position Papers, Informative Notes...) related to the identified topics that can be shared with other regions and European entities.</p> <p>P2.3 Strengthen the current channels of dialogue with European institutions to establish the common positioning of both regions.</p> <p>P2.4 Identification and joint participation in international and European networks of common interest for both regions, such as the SIRE network, Hydrogen Europe.</p> <p>P2.5 Joint participation in events, congresses, and international fairs of interest to both regions.</p>	<p><u>AND:</u></p> <p>-AND State Representation in Brussels</p> <p><u>BW:</u></p> <p>-BW State Representation Brussels</p> <p>-e-mobil BW/Platform H2BW</p> <p>- Cluster Fuel Cell BW</p>



	P3 Search for joint financing mechanisms that strengthen institutional collaboration	<p>P3.1 Determine the funding opportunities for joint actions that strengthen institutional collaboration between both regions through EU-level programs: Technical Support Instrument (TSI) of the Commission / Capacity Building Programs of the JRC, other programs.</p> <p>P3.2 Joint selection and application to these programs.</p>	
<p>Goal 3:</p> <p>To accelerate the expansion of a European network for green hydrogen and renewable synthetic fuels</p>	P4 Development of a joint strategy for hydrogen transport	<p>P4.1 Analyze in detail the supply and demand of H2 and synthetic fuels in each region, as well as the alternatives and costs associated with the transport of hydrogen and synthetic fuels between Andalusia and BW (e.g. Viridi’s train transport concept).</p> <p>P4.2 Collaboration with multiregional initiatives and alliances that promote European H2 corridors.</p>	<p><u>AND:</u></p> <ul style="list-style-type: none"> -Reg. Ministry of Industry, Energy and Mining - Reg. Ministry of Sustainability - Reg. Ministry of Infrastructure
	P5 Interregional collaboration within the framework of regional Alliances and Partnerships on renewable hydrogen and synthetic fuels	<p>P5.1 Incorporate the other region in the Regional Alliances promoted by both administrations. In the case of Andalusia, the Green Hydrogen Alliance or the Biogas Alliance would be open for collaboration with BW. BW suggests networking with the Cluster fuel cells and hydrogen BW.</p> <p>P5.2 Explore possibilities for joint events within the framework of the Alliances and Partnerships of both regions, e.g. during the European Hydrogen Week. BW offers participation in the international hy-fcell congress and conference 2025 in Stuttgart.</p> <p>P5.3 Share results of the InnoFuels Platform on renewable fuels.</p>	<p><u>BW:</u></p> <ul style="list-style-type: none"> -Ministry for the Environment, Climate and Energy Sector BW -Ministry of Transport BW -e-mobil BW/Platform H2BW



<p>Goal 4: To support cooperation on municipal level</p>	<p>P6 Support for partnerships and project based collaboration between cities</p>	<p>P6.1 Explore the possibilities of joint activities and events with the Andalusian network of Industrial Cities.</p>	<p><u>AND:</u> -Reg. Ministry of Industry, Energy and Mining</p>
<p>Pillar: Industrial Coop.</p>	<p>Programs</p>	<p>Projects</p>	<p>PARTICIPANTS</p>
<p>Goal 1: Connect the industrial ecosystems of both regions in</p> <ul style="list-style-type: none"> a) The fields of hydrogen and synthetic fuels and b) The field of BEVs and e-Trucks 	<p>P1 Strengthening of interregional value chains</p>	<p>P1.1 Analysis of the complementarities in the value chains of both regions through the analysis of regional maps.</p> <p>P1.2 Organization of thematic workshops with the participation of the industrial ecosystems of both regions.</p> <p>P1.3 Organization of matchmaking events with the participation of the industrial ecosystems of both regions. According to the meeting of the Joint Commission in Stuttgart, the first of these matchmaking events is scheduled to take place in Andalusia during the first quarter of 2025.</p> <p>Participation in the International Brokerage event within the framework of the II National Hydrogen Congress to be held in Huelva from February 4 to 6, 2025. (Baden-Württemberg intends to set up a stand and bring a delegation of companies).</p> <p>Andalucía considers attending the hy-fcell trade fair in Stuttgart October 7 to 8, 2025.</p> <p>P1.4 Explore the possibility of a cooperation agreement on future joint activities between e-mobil BW, Baden-Württemberg</p>	<p><u>AND:</u> -Reg. Ministry of Industry, Energy and Mining - TRADE: Investment Public company of Andalusia</p> <p><u>BW:</u> -Ministry for the Environment, Climate and Energy Sector BW -Ministry of Transport BW -Ministry of Economic Affairs, Labour and Tourism</p>



		<p>International and partners from Andalusia.</p> <p>P1.5 Promote exchange on related topics such as raw materials for e-fuels, e.g. Direct Air Capture Technologies, Carbon Capture and Utilization or Storage or Carbon Management.</p> <p>P1.6 Promote exchange between MiRO, and other outstanding facilities of both regions producers of renewable energy fuels (reFuels), start-ups and offtakers.</p>	<p>-e-mobil BW:</p> <p>a) Cluster Fuel Cell BW</p> <p>b) Cluster electric mobility south-west</p> <p>-Baden-Württemberg International</p>
<p>Goal 2:</p> <p>Promote joint industrial initiatives and industrial investments between both regions</p>	<p>P2 Promotion of industrial cooperation projects between both regions</p>	<p>P2.1 Identification and support of pilot industrial cooperation projects, e.g. Viridi.</p> <p>P2.2 Organization of interregional workshops informing about funding opportunities for industries and companies in both regions for joint participation in EU-funded programs (Life, Horizon, Innovation Fund, Cascade Funding Projects, etc.).</p> <p>P2.3 Support for the creation of interregional consortia and joint participation in EU-funded programs. This action includes both the provision of advisory and support services for proposal preparation and partner search. This action will be channeled through the Enterprise Europe Network.</p>	<p><u>AND:</u></p> <p>-Reg. Ministry of Industry, Energy and Mining</p> <p>- TRADE: Investment Public company of Andalusia</p> <p><u>BW:</u></p> <p>-Ministry for the Environment, Climate and Energy Sector BW</p> <p>Ministry of Economic Affairs, Labour and Tourism BW</p>
	<p>P3 Support for interregional investments</p>	<p>P3.1 Support and advice for investment projects promoted by each region: assistance with procedures and declaration of strategic projects, if applicable (Project Accelerator Unit).</p> <p>Support and advice for investment projects promoted by the Baden-Württemberg region in Andalusia: personalized assistance from</p>	



		Invest in Andalucía throughout the entire project lifecycle, both in the analysis and implementation phases, and aftercare once established. Information and support in all necessary procedures, prospective visits, available incentives, including preferential processing of projects through the project accelerator unit (declaration of strategic projects for projects that meet certain requirements).	-Ministry of Transport BW -e-mobil BW -Baden-Württemberg International
	P4 Promotion of vocational training in the areas of renewable energies, green hydrogen, and hydrogen derivatives through interregional collaboration for the mobility of vocational training students and teachers	<p>P4.1 Sharing of cooperation initiatives in vocational training via SEPIE, Erasmus+ Projects, Key Action 2, KA2: Cooperation between organizations and institutions:</p> <ol style="list-style-type: none"> 1. Cooperation Partnerships: Centralized actions managed by the European Education and Culture Executive Agency (EACEA) in Brussels. 2. Professional Excellence Partnerships. 3. Alliances for Innovation. <p>P4.2 Implementation of programs that facilitate the mobility of vocational training students and teachers between Andalusia and BW, through SEPIE, Erasmus+ Projects, Key Action 1, KA1: Learning Mobility of Individuals.</p>	<p><u>AND:</u></p> <p>-Reg. Ministry of Industry, Energy and Mining</p> <p>- Reg. Ministry of Education</p> <p><u>BW:</u></p> <p>-Ministry of Education, Youth and Sports BW</p>
Pillar: Research Coop.	Programs	Projects	Participants



<p>Goal 1:</p> <p>Foster the exchange of innovation ecosystems of the regions in the areas of energy transition/renewable energies/AI/digitalization.</p>	<p>P1 Promote the establishment and expansion of partnership relationships through existing clusters and networks, as well as with other relevant actors in science and research in both regions</p>	<p>P1.1 Develop a joint Catalog of innovation agents that includes contact information, location, preferred sector or sectors, associates or members, macro figures, services, and/or capabilities</p> <p>P1.2 Organize the II Regional Cluster Meeting in 2025 and invite clusters from Baden-Württemberg that may be interested in participating, scheduling joint tables and enabling B2B spaces for mutual understanding.</p>	<p><u>AND:</u></p> <p>-Reg. Ministry of Universities, Innovation and Research</p> <p><u>BW:</u></p> <p>-Ministry of Science, Research and Arts BW</p> <p>-Center for Electrochemical Energy Storage (CELEST, University of Ulm, Karlsruhe Institute of Technology)</p>
	<p>P2 Promotion of the mobility of researchers and knowledge agents between Andalusia and Baden-Württemberg.</p>	<p>P2.1 Promote bilateral mobility between the university communities of both regions.</p> <p>P2.2 Promote collaboration between Andalusian public universities and universities in the Baden-Württemberg region in both formal and non-formal education, e.g. in the areas of e-fuels, CCU and DAC.</p>	<p><u>AND:</u></p> <p>-Reg. Ministry of Universities, Innovation and Research</p> <p><u>BW:</u></p> <p>-Ministry of Science, Research and Arts</p>



			<p>BW</p> <p>-Center for Electrochemical Energy Storage (CELEST, University of Ulm, Karlsruhe Institute of Technology)</p> <p>-e-mobil BW:</p> <p>a) Cluster Fuel Cell BW</p> <p>b) Cluster electric mobility south-west</p> <p>c) Network Intelligent Move</p> <p>-Baden-Württemberg International</p>
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Junta de Andalucía



Baden-Württemberg

Signed in duplicate at Stuttgart on January 23rd 2025 in English.

**FOR THE REGIONAL GOVERNMENT
OF ANDALUSIA
(KINGDOM OF SPAIN)**

**FOR THE GOVERNMENT OF THE
STATE OF BADEN-WÜRTTEMBERG
(FEDERAL REPUBLIC OF GERMANY)**

Signature: H.E. Juan Manuel Moreno
Bonilla, President of the Regional
Government of Andalusia

Signature: H.E. Winfried Kretschmann,
Minister-President of
Baden-Württemberg