S3 and societal challenges

Reflection from 17th of May event –
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BACKGROUND

- Azores S3 WGs' first approach do mission definition

  - EU Missions

  - Azores S3 priority areas

priority areas	Agriculture and agroindustry	Sea and blue growth	tourism and heritage	Space and data science	Heath
Territory, resources and circular economy					
Environment and climate action					
Digital transformation and economy 4.0					
Quality of life and social development					
Atlantic and geostrategic dynamics					

A SOIL DEAL FOR EUROPE

Challenges	Objectives	Resources needed
Increase the Azores food self-sufficiency, based on diversified, safe and sustainable agricultural production methods	50% consumption of agricultural self production by 2030	- Assessment and optimization of ecosystem services in the productivity of agricultural systems in the Azores - Collaborative laboratory for diversified, safe and sustainable agriculture - Training - Collaboration with the entire value and commercial chains
Adjust agricultural practices to the needs and nature of the soil	- Decrease fertilizer usage - Increase carbon fixation in agriculture - Reduce water contamination - Map soils - physical, chemical and biological properties	- Data portal/hub - Initiatives, projects and partnerships for the transfer of knowledge; - Experimental laboratory for new technologies in agriculture
Lack of knowledge about soils, correct management of water and natural resources;	- Promote precision agriculture in 50% of cooperating horticultural and fruit farms by 2030 - Reduce water use in farming by 30%	- Actions/projects for the development or transfer of knowledge of methodologies and technologies for conservation, reuse and reduction of water

RESTORE OUR OCEAN AND WATERS BY 2030

Challenges	Objectives	Resources needed
Sea awareness through citizenship and literacy	Training and education for ocean literacy by 2030	- Articulation of sea and education sectors' policies - Creation of workgroup
Balancing biodiversity protection and uses	Systematic monitoring programs by 2025	- Regional sea monitoring network - Management models
Production and use of open data for decision making	Improve open data availability processes by 2025	Open data platform
Identification and valuation of value chains	Increase return on value chains by 30% by 2030	- Value chain mapping - Value chain critical points´identification with stakeholders

CLIMATE – NEUTRAL AND SMART CITIES

Challenges	Objectives	Resources needed
Tourism monitoring	Technological information systems for tourism data in two pilot cities, representative of the territoriality	- Qualified people - Political will - Financing - Technological development
Enhancement of natural and cultural tourism	Itineraries that combine natural and cultural heritage, through new technologies, in two pilot cities, representative of territoriality	- Qualified people - Participatory process - Technological development - Creation of urban itineraries
Sustainable and decarbonized mobility	Alternative/green transport networks in two pilot cities, representative of the territoriality	- Increased population literacy in sustainability - Participatory process - Reinforcement of electric/green mobility

ADAPTATION TO CLIMATE CHANGE

Challenges	Objectives	Resources needed
Develop physical models of climate change and predict regional consequences by 2026	- Planetary borders of climate risk and where Azores stands - Facilitate decision-making for structuring and implementing mitigation and adaptation measures	- Financial means - Technology - Specialized human resources
Promote specialized training in data handling/processing (space based and other) and provide attractive conditions for HR settlement in the Region by 2024	Secure human resources highly specialized in data science applied to monitoring, analysis and modelling of relevant fields for the region (agriculture, blue economy, ecology, etc.)	- Specialized training in data science - Attractive working conditions - Partnership and exchange with external expertise - Comprehensive data bases

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LEARNING JOURNEY:
CO-CREATING
(INTER)REGIONAL
MISSIONS
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CANCER

Challenges	Objectives	Resources needed
Decrease the prevalence of certain types of cancer in the Azores	- Increase early diagnosis - Reduction of the most prevalent cancers by 50% by 2035 - Increase collaboration of quadruple helix actors	- AI based support tools - Cancer screening programs - Qualified human resources - EU tailored funding
Ensure effective processing and interoperability of health data	- A shared regional biobank by 2030 - The digital hospital of the Azores by 2030 - Regional health data registry up and running in 3 years	- Linking hospital systems to the oncology registry - Qualified human resources