



AGÊNCIA NACIONAL
DE INOVAÇÃO

**Portuguese Stakeholder event:
Mission Area Adaptation to
Climate Change, including
Societal Transformation**

*Report on the first reflections &
preliminary contributions from the
Portuguese community towards the
mission's codesign*

DPI – Direção de Promoção Internacional

Background

On the 16th of June 2020, the Portuguese National Innovation Agency (ANI) and the Foundation for Science at Technology (FCT) held an online stakeholders' event on the European Commission's Mission Area Adaptation to Climate Change, including Societal Transformation. This one-hour online information session was held through Zoom and gathered a total of **173 participants** coming from a wide range of stakeholders from the public and private sectors (research and higher education institutions, regional governments, municipalities, governmental agencies, NGO's, large companies and SME, associations, interface entities). The aim of the session was to discuss with stakeholders the Mission Accelerating the transition to a climate prepared and resilient Europe's goals, objectives and future implementation and to get their feedback and suggestions.

This report presents the main points of the discussion held between Helena Freitas, Board Member of the Mission Accelerating the transition to a climate prepared and resilient Europe and the Portuguese stakeholders.

Main discussion topics

- The main objective of the Mission was discussed. Essentially the goal is to **accelerate the transition to a climate change adaptable and resilient Europe**. The Mission intends to do this **involving citizens, communities and regions**. The aim is to create specific and concrete dynamics that involve partnerships and a roadmap through a co-creation process and following a common vision, bringing a set of actors together that can, in the long-term, build this adaptive transformation to allow us to live within the limits of the planet boundaries.
- The mission aims to promote partnerships and scalable solutions that can be adopted and used by communities and regions, keeping in mind the communities (which may include different levels such as neighbourhood, city, town, village, agglomeration etc.) and the capacity to inspire them. But it also wants to find a formal framework that would allow to encompass and bring together different policies, institutions, involving citizens and making partnerships.
- For achieving this it is important to facilitate a creative environment, taking advantage of the digital agenda, in order to design concrete programs that will allow access to digital data and services, and to promote local economies.
- This dynamic intends to be built with the involvement of communities, taking their specific needs and aspirations into account in terms of the policies and funding of community and social infrastructures (everything that has to do with people's daily lives: housing, mobility, construction of social space, infrastructure to respond to risks, etc.), health and well-being, nature, biodiversity and ecosystem services, water issues (e.g. water use efficiency), transformation of the food system, rural landscapes, etc. The transformation must be systemic, and this Mission intends to promote a set of pillars to accelerate this transformation.

A set of questions was asked to the participants:

- (1) What are the R&I topics that contribute to this mission and in which Portugal stands out the most?
 - a. The most prominent responses were: biodiversity, renewable energies, climate change, sustainability, 'underutilized crops' and water resources.
 - b. Missions are not exactly scientific programs. Missions aim to bring together science, technology, innovation and people, in a very inclusive way. But there is a very clear awareness that we need to have R&I projects that will feed the dynamics of the Missions.
 - c. The biodiversity agenda is very important for participants and is one of the areas that this Mission has identified and that is linked to and takes into account the 20-30 Biodiversity Strategy.

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- d. It is understood that the systemic transformation and the response to climate change necessarily involves a new language in agriculture and is one of the axes that is included in the mission, together with water resources and ecosystem services.
 - e. We need to be aware that the vision of having a resilient Europe, that is capable of responding to climate change in fact implies having another agriculture, another policy for biodiversity, for resource management, etc.
 - f. Forest management: it is important to have goals for the European forest - for example to set aside about 30% of the European territory to nature conservation.
- (2) Who needs to be involved in this mission in Portugal?**
- a. The Mission needs everyone: local government, industry, NGOs, universities, research centres, collaborative laboratories and citizens in general. We realize that it is good to have a local administration, or a region that can establish Mission's partnerships and initiatives, but we do not want to limit this to public administrations. We want to leave it very open as to who can participate in these partnerships.
 - b. A major investment of the Mission is the co-creative process. The Mission is open to any community (e.g. neighborhoods, collectives, etc.) that want to take this path with it. There is a specific program to involve citizens: and Mission board is preparing a set of initiatives that will be properly publicized. Participants showed a great interest in these events.
 - c. The Mission hopes to include 100 resilient regions that want to build this path together, including municipalities, territories, universities, etc.
- (3) How are we going to involve the people who are further away?**
- a. The Mission took into account the big citizen participation in climate protests which were taking place until the end of 2019, namely the youth strikes led by Greta Thunberg. Within the framework of the Mission, computer support processes to be able to get closer to the citizens are being prepared - to make more direct consultations. The Mission Board is discussing many experiments to include citizens, like the example of assemblies in France.
 - b. And Portugal will also try to do that - there is pressure to do this exercise on a national scale. FCT and ANI want to support the goal of designing the Mission in a very inclusive way. The process started with this event with the stakeholders and other events will be organized.

Final remarks

This session was widely participated, and a vast majority of participants considered it very relevant for learning about the Mission's goals and objectives. Participants thought that the Mission Accelerating the transition to a climate prepared and resilient Europe is very important for Portugal. Participants showed a great interest in being involved in future actions and programs and are eager to learn about the Mission's implementation plan.

ANNEX I: Agenda

Stakeholder Event

Missions in Horizon Europe – Missions Climate, Soil and Cities

Online discussion and information
sessions with the national community

JUNE 16 2020 | 11:00-17:30

VIA ZOOM / COLIBRI

PLEASE FIND THE **AGENDA** ON THE FOLLOWING PAGES

14:00 – 15:00

THEMATIC WORKSHOP 1 | MISSION CLIMATE

14:00-14:05

Opening Remarks

National Innovation Agency (ANI)

14:05-14:20

Presentation of the Mission Climate and its Roadmap

Helena Freitas, University of Coimbra, Member of the Mission Board, Mission Adaptation to climate change including societal transformation

14:20-14:50

Interaction with stakeholders

14:50-15:00

Conclusions and Final Remarks

[Event website](#)

ANNEX II: MB Presentation

<p>WORKSHOP TEMÁTICO 1</p> <p>MISSÕES NO HORIZONTE EUROPA: MISSÃO ADAPTAÇÃO CLIMÁTICA E TRANSFORMAÇÃO SOCIAL</p> <p>Sessão online de informação e de discussão com a comunidade nacional 16 de Junho 14.00-15.00</p> <p>A sessão terá início dentro de momentos. Por favor, aguarde com o microfone e o vídeo desligados. Esta sessão irá ser gravada apenas para efeitos de reporte. Os slides apresentados serão disponibilizados após o evento.</p> <p>AGENDA</p> <p>14.00-14.05 Boas-vindas Cristina Gouveia, Agência Nacional de Inovação</p> <p>14.05-14.20 Apresentação da Missão Clima e do seu Roadmap Helena Freitas, Universidade de Coimbra, Mission Board member, Missão Clima</p> <p>14.20-14.50 Interação com os stakeholders</p> <p>14.50-15.00 Conclusões e encerramento Helena Freitas, Universidade de Coimbra, Mission Board member, Missão Clima</p>	<p>Pedidos para o bom funcionamento da sessão:</p> <ul style="list-style-type: none"> Por favor, mantenha o microfone e o vídeo desligados. Quando quiser colocar uma questão, por favor, utilize APENAS o chat e identifique-se com primeiro e último nome e organização que representa O moderador da sessão irá selecionar as perguntas a colocar ao orador por ordem de chegada e/ou relevância para a sessão. Se, devido a limitações de tempo, não for possível responder à sua questão, deverá endereça-la a cristina.gouveia@ani.pt. 																																																																																
<p>Horizon Europe Mission Climate Adaptation</p> <p>ACCELERATING THE TRANSITION TO A CLIMATE PREPARED AND RESILIENT EUROPE</p> 	<p>Horizon Europe Missions</p> <ul style="list-style-type: none"> Intended to achieve ambitious and inspirational goals With a clear direction: targeted, measurable and time-bound With impact for society and policy making Engage citizens in co-designing, co-creating, co-implementing and co-assessing missions <p>MISSION AREAS:</p> <ul style="list-style-type: none"> Soil health and food Cancer Adaptation to climate change, including societal transformation Climate-neutral and smart cities Healthy oceans, seas, coastal and inland waters <p>#HorizonEU European Commission</p>																																																																																
<p>Members of the Mission Board</p> <table border="1"> <thead> <tr> <th>Title</th> <th>First Name</th> <th>Last Name</th> <th>Affiliation</th> <th>Role</th> </tr> </thead> <tbody> <tr> <td>Ms</td> <td>Connie</td> <td>Hedegaard</td> <td>Former European Commissioner for Climate Action</td> <td>Chairperson</td> </tr> <tr> <td>Prof.</td> <td>Jean-Pascal</td> <td>van Ypersele</td> <td>Catholic University of Louvain</td> <td>Liaison to EP</td> </tr> <tr> <td>Prof. Dr.</td> <td>Daniela</td> <td>Jacob</td> <td>Climate Service Center Germany (GERICS)</td> <td></td> </tr> <tr> <td>Ms</td> <td>Ann</td> <td>Runnell</td> <td>Reverse Resources</td> <td></td> </tr> <tr> <td>Dr.</td> <td>Asunción</td> <td>T. Lera St. Clair</td> <td>Det Norske Veritas, and Barcelona Supercomputing Centre</td> <td>Lead Citizen Engagement</td> </tr> <tr> <td>Mr</td> <td>Mathieu</td> <td>Corniet</td> <td>Impact Partners</td> <td></td> </tr> <tr> <td>Prof.</td> <td>Mirela</td> <td>Holy</td> <td>VERN University of Applied Sciences</td> <td></td> </tr> <tr> <td>Prof.</td> <td>Kevin</td> <td>O'Connor</td> <td>University College Dublin</td> <td></td> </tr> <tr> <td>Mr</td> <td>Mark Scicluna</td> <td>Bartoli</td> <td>Bank of Valletta</td> <td>Liaison to MS</td> </tr> <tr> <td>Mr</td> <td>Hien</td> <td>Pieper</td> <td>Dutch Water Authorities</td> <td></td> </tr> <tr> <td>Prof.</td> <td>Helena</td> <td>Freitas</td> <td>University of Coimbra</td> <td></td> </tr> <tr> <td>Prof. Dr.</td> <td>Johan</td> <td>Rodheström</td> <td>Potsdam Institute for Climate Impact Research (PIK)</td> <td></td> </tr> <tr> <td>Dr.</td> <td>Jaroslav</td> <td>Myslak</td> <td>Euro - Mediterranean Centre on Climate Change (CMCC)</td> <td>Rapporteur</td> </tr> <tr> <td>Prof.</td> <td>Virginia</td> <td>Murray</td> <td>Global Disaster Risk Reduction for Public Health England</td> <td></td> </tr> <tr> <td>Dr.</td> <td>Per</td> <td>Espen Stoknes</td> <td>BI - Norwegian Business School</td> <td></td> </tr> </tbody> </table>	Title	First Name	Last Name	Affiliation	Role	Ms	Connie	Hedegaard	Former European Commissioner for Climate Action	Chairperson	Prof.	Jean-Pascal	van Ypersele	Catholic University of Louvain	Liaison to EP	Prof. Dr.	Daniela	Jacob	Climate Service Center Germany (GERICS)		Ms	Ann	Runnell	Reverse Resources		Dr.	Asunción	T. Lera St. Clair	Det Norske Veritas, and Barcelona Supercomputing Centre	Lead Citizen Engagement	Mr	Mathieu	Corniet	Impact Partners		Prof.	Mirela	Holy	VERN University of Applied Sciences		Prof.	Kevin	O'Connor	University College Dublin		Mr	Mark Scicluna	Bartoli	Bank of Valletta	Liaison to MS	Mr	Hien	Pieper	Dutch Water Authorities		Prof.	Helena	Freitas	University of Coimbra		Prof. Dr.	Johan	Rodheström	Potsdam Institute for Climate Impact Research (PIK)		Dr.	Jaroslav	Myslak	Euro - Mediterranean Centre on Climate Change (CMCC)	Rapporteur	Prof.	Virginia	Murray	Global Disaster Risk Reduction for Public Health England		Dr.	Per	Espen Stoknes	BI - Norwegian Business School		<p>Vision</p> <p>ACCELERATING THE TRANSITION TO A CLIMATE PREPARED AND RESILIENT EUROPE</p> <p>Turning the urgent challenge of adapting to climate change into an opportunity to make Europe more resilient, climate prepared and fair</p>
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<p>Objectives</p> <p>ACCELERATING THE TRANSITION TO A CLIMATE PREPARED AND RESILIENT EUROPE</p> <p>By 2030, the Mission will:</p> <ol style="list-style-type: none"> Prepare Europe to deal with climate disruptions, and assist all citizens, communities and regions in better understanding, preparing for and managing climate risks such as heatwaves, forest fires, droughts, floods, storms and diseases; Accelerate the transition to the future we want, supporting 200 European communities and regions in co-creating a vision and innovation pathways, as well as developing solutions and enabling conditions for transformative adaptation within safe planetary boundaries; Build deep resilience by scaling up actionable solutions triggering societal transformations through 100 deep demonstrations of resilience across a number of European communities and regions 	<p>Objectives</p>  <p>Build resilience: upscaling solutions that trigger transformations (100 demonstrators)</p> <p>Accelerate transition to a resilient future: designing of vision and innovation pathways and developing enabling conditions and solutions (200 communities and regions)</p> <p>Prepare Europe for climate disruptions: better understanding, preparing for and managing climate risks such as heatwaves, forest fires, droughts, floods, storms and diseases (all citizens, communities and regions in)</p>																																																																																
<p>Prepare Europe</p> <p>Target:</p> <p>By 2030, all local administrative units (LAU) and regions (NUTS) will have access to climate risk profiles and enhanced early warning systems for all relevant risks, and will have adopted comprehensive climate risk management plans</p> <p>The Mission will support citizens, communities and regions to:</p> <ul style="list-style-type: none"> foster a better understanding of climate risk exposure, providing access to fast track climate risk assessments and strengthening existing early warning systems; facilitate the adoption of climate risk management plans and community-based emergency plans; and ensure that community infrastructure is safe and essential services operable and accessible under critical conditions 	<p>Accelerate the transition</p> <p>Target:</p> <p>By 2030, 200 European communities and regions will have developed their own transformative vision; co-created adaptation pathways; co-designed and tested actionable solutions; and created favourable conditions for societal transformations.</p> <p>The Mission will support citizens, communities and regions, to:</p> <ul style="list-style-type: none"> design vision and objectives, and build consensus around transformative social change enshrined in a community resilience contract; co-create adaptation pathways, and define possible courses of policy and innovation actions to deliver on the vision, resulting in a portfolio brief for action; co-design and test actionable solutions, and share learning within and across the communities and regions; and create favourable conditions for societal transformations 																																																																																

<h3>Build deep resilience</h3> <p>Target: By 2030, 100 deep demonstrations have scaled-up actionable solutions that have triggered societal transformation, building deeper resilience</p> <p>Scaling up actionable solutions triggering societal transformations through 100 deep demonstrations of resilience, the Mission will</p> <ul style="list-style-type: none"> • create impact at scale, building of resilience in single regions and communities focusing on key community systems; • create cross-border value, building of resilience and shared value creation across cross-border systems and services; • foster systemic and citizen-centred co-evaluation, measuring progress made, assessing what has been accomplished and communicating the processes and outcomes 	<h3>Enabling environment</h3>  <ul style="list-style-type: none"> • access to data, knowledge, digital services • local economies, economic resources • inclusive and fair transition • shared learning and policy coherence
<p>Facilitating access to data, knowledge, digital services and actionable solutions</p> <ul style="list-style-type: none"> • Mobilising research and innovation to improve the knowledge base at regional and local level • Unlocking the benefits of the digital transformation • Facilitating the co-production of data and knowledge and the co-design of climate services and actionable solutions <p>ENABLING ENVIRONMENT</p> <p>Laying the ground for an inclusive and fair transition</p> <ul style="list-style-type: none"> • Engaging citizens and stakeholders in all phases of the transition • Developing skills, capacities and capabilities in support of the transition • Providing mechanisms ensuring a just transition <p>Strengthening local economies, economic security, and resources</p> <ul style="list-style-type: none"> • Building of resilient and sustainable local economies • Closing the climate protection gap • Mobilising sufficient sustainable funding and financing <p>Ensuring coordination for shared learning and more coherent policy making</p> <ul style="list-style-type: none"> • Providing a coordination mechanism across regions and communities enrolled in the Mission • Establishing structures and processes that allow coordination across different levels of governance 	<h3>Key Community Systems</h3>  <ul style="list-style-type: none"> • Community and Social Infrastructure • Health and Wellbeing • Nature, Biodiversity and Ecosystem Services • Water • Rural Landscapes and Food Systems
 <p>SOCIAL INFRASTRUCTURE</p> <p>Regenerating community and social infrastructure: renovating public spaces and facilities for inclusive, healthy and climate-resilient neighbourhoods</p> <ul style="list-style-type: none"> • renovate public buildings and social housing, making them energy efficient, healthy and compliant with principles of circular economy. • invest in making community infrastructure safe, resilient and climate-proof. • ensure access to social infrastructure for all and making residential areas attractive, resilient and sustainable neighbourhoods and communities. 	<p>Protecting human health and wellbeing: preparing communities to stay healthy in a changing climate (early warning and surveillance systems)</p>  <ul style="list-style-type: none"> • adopt health plans and adequate response to address relevant hazards in the regions and integrate projected climate risks into health preparedness systems, capacity building and research; • establish enhanced early warning systems to ensure a rapid response from health services, and protect people at high risk; • develop robust epidemiological surveillance and modelling tools for assessing and predicting impact of extreme events and disasters associated with climate change. <p>SAVING LIVES AND WELLBEING</p>
 <p>HARNESSING THE POWER OF NATURE</p> <p>Restoring nature, biodiversity and ecosystem services: boosting nature-based solutions and green-blue multipurpose infrastructure investments in ecosystems</p> <ul style="list-style-type: none"> • halt land degradation and restore at least 30% of the most degraded ecosystems across land and sea with a high potential for climate adaptation and mitigation and control spread of invasive alien species and pathogens; • designate multi-layered, high quality and well-connected green and blue infrastructure networks; • adapt x % of the regions' existing forests to climate change and restoring natural habitats to favourable conservation status. 	<p>Rethinking water management: fostering innovations towards smart, reliable, and efficient access to water and reduced vulnerability to water-related risks</p>  <ul style="list-style-type: none"> • realise transparent water balances and accounts, and adjust water allocations across environmental and human uses to long-term water availability; • adopt inclusive, forward looking and climate risk-informed water planning and management processes, foster adoption of digital water technologies, and make equitable and ecologically sound water sharing agreement and strategies across borders and during drought-driven shortages and floods; • identify and reduce water efficiency and protection gaps by at least 50% by 2030, in regions under water stress, now or in the future, and for water bodies at risk of failing to achieve good ecological status. <p>EMBRACING NEW WATER REALITIES</p>
 <p>SUSTAINING THE DIVERSITY AND PRODUCTIVITY OF RURAL LANDSCAPES</p> <p>Reviving rural landscapes and sustainable food systems: shifting to resilient food system, mindful of the interrelations between human and ecosystem health, supply chains, sustainable consumption, and cultural heritage</p> <ul style="list-style-type: none"> • endorse strategies for climate neutrality (reducing GHG by 50% by 2030) and resilience; • strengthen environmental stewardship by increasing the area of high nature value farmland, organic farming, and nature-based solutions to control soil erosion, pollution, pest and diseases; • promoting shifts to sustainable consumption, and increased consumption of regionally produced, seasonal and healthy agricultural products. 	<h3>Citizen Engagement</h3> <p>An integral part of Horizon Europe Missions.</p> <p>Citizen engagement - understood as deliberative democracy and as a new form of governance</p> <p>Different yet complementary to stakeholder engagement</p> <p>Three phases:</p> <ul style="list-style-type: none"> • co-design • co-implementation <i>Currently at this stage</i> • co-assessment
<h3>Citizen Engagement: Co-Design</h3> <p>Main goal of the co-design phase:</p> <ul style="list-style-type: none"> • To receive input from citizens on some key objectives of the Mission. • To generate comparable and consistent results across citizen engagement events both at the EU and Member State level. <p>Questions for citizens include:</p> <ul style="list-style-type: none"> • Climate Information and Awareness • Vision (including the importance of the key systems presented) • Transformative adaptation solutions 	<h3>Upcoming Events and deadlines</h3> <ul style="list-style-type: none"> • May to Sep - Refining the proposed Mission, through at least 2 co-design sessions with citizens • 22-24 Sep <ul style="list-style-type: none"> • Handover of Mission Boards advice on Missions to the Commission during R&I Days • Missions events at R&I Days incl. missions hub - Sessions dedicated to the Mission on Adaptation • 12-15 October – European Week of Regions. Session dedicated to the Mission

<p>Thank you for your attention!</p>  <p>Connie Hedegaard (chair) Mathieu Corniet Hein Pieper Helena Freitas Johan Rockström Mirela Holy Ann Runnet Daniela Jacob Mark Scicluna Bartoli Virginia Murray Asuncion Lara St. Clair Jaroslav Mysiak Per Espen Stoknes Kevin O'Connor Jean-Pascal van Ypersele</p> <p><small>RTD-HORIZON-EUROPE-MISSION-ADAPTATION@ec.europa.eu</small></p>	
<p>No seguimento da apresentação anterior, gostaríamos que desse a sua opinião*</p>  <p><small>*As respostas serão processadas de forma anónima</small></p>	<p>Join at slido.com #30807</p> 
 <p>Q&A</p> <p>Por favor, coloque as suas questões no <i>chat</i> e identifique-se com primeiro e último nome e organização que representa</p>	<p>Conclusões e Encerramento</p>



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