Action Plan of the CARPE DIGEM Project:

Catalysing Regions in Peripheral and Emerging Europe towards Digital Innovation Ecosystems

Partner:

INSTITUTO DE DESENVOLVIMENTO EMPRESARIAL DA MADEIRA, IP-RAM (IDE, IP-RAM)

European Union | European Regional Development Fund

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1 Executive Summary

For project partners producing their Action Plan in their own language please produce the sections highlighted in yellow in English, x).

The CARPE DIGEM, titled "*Catalyzing Regions In Peripheral and Emerging Europe towards Digital Innovation Ecosystems*", brings together 10 organizations and institutions from 7 different European countries, mostly from peripheral and emerging regions. The project's main goal is to improve the countries' selected policy instruments to become better enables of inclusive digital innovation ecosystems in their countries. Tasks to accomplish this have included the selection, analysis and exchange of good practices within each country, bringing together stakeholders from public and private sector in order to create or improve functioning and sustainable Digital Innovation Ecosystems (DIGEMs) that are able to convert the opportunities offered by new technologies into economic and social benefits.

The current document works as a deliverable of the Carpe DIGEM project on behalf of IDE, IP-RAM. The learnings and know-how the partner has apprehended, the good practices exchanged (exported and imported) and action steps that were took (and to be taken) in order to catalyze Europe's peripheral Digital Innovation Hubs and Ecosystems – in this case, in Madeira – were taken into account for the analysis and writing of this Action Plan.

The document reviews background and feasibility of inbound actions, with a cost estimation, challenges to face, critical/focal points and partners involved for a successful fulfillment of the Action Plan.

2 General information

- **Project:** CARPE DIGEM
- **Partner organisations:** IDE, IP-RAM
- **Other partner organisations involved (if relevant):**
- **Country:** PORTUGAL
- **NUTS2 region**: MADEIRA
- **Contact person:** DR.ª CRISTINA GOUVEIA
  - **Email:** ana.cbg.fernandes@ide.madeira.gov.pt
  - **Phone number:** 00351 291 202 170

3 Policy context

The Action Plan aims to impact:
X Investment for Growth and Jobs programme
☐ European Territorial Cooperation programme
☐ Other regional development policy instrument

Name and reference of the policy instrument addressed:

- Madeira 2014-20 Operational Programme

Please detail the name and reference of all additional policy instruments addressed within the Action Plan

4 Actions/services

Note: *List all services that are planned to be developed in the Action Plan and also any planned changes to Policy Instrument governance and content (such as new processes for selecting PI priorities or official indicator selection)*

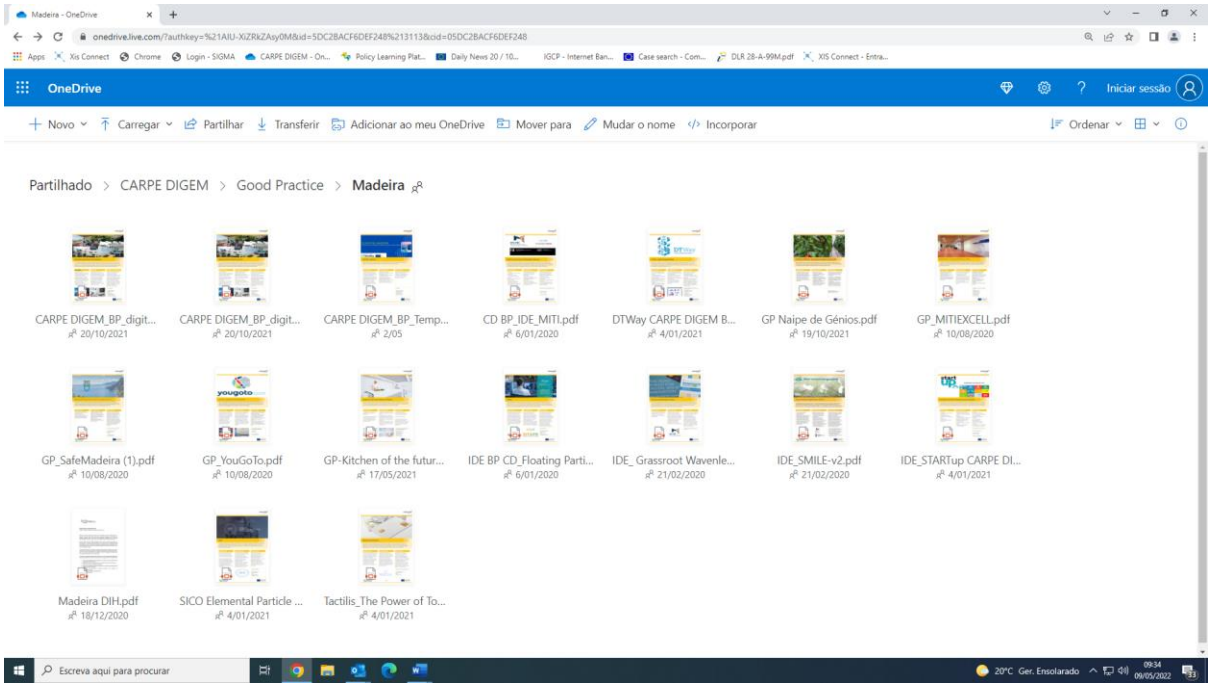
During the CARPE DIGEM project, IDE, IP-RAM had the opportunity to collect valuable insights on what's been done on project's partners regions, exchange good practices with these partners, promote multi-lateral meetings between stakeholders, assess the territorial digital maturity tool of Madeira as well as complete a business digital maturity assessment within companies established in Madeira.

A detailed Peer Review and DIGEM experience report has been produced and contains all the valuable insights regarding the current state of Madeira's DIGEM, providing also feedback on what the current Action Plan document could address.

All these insights, feedbacks and experiences allowed IDE, IP-RAM to come up with the current Action Plan. Feedback from regional stakeholders and consultants was taken into consideration.

One-to-one meetings with more than 7 stakeholders from Madeira were taken. These meetings were to present and clarify any doubts regarding the project partner's good practices that had been identified and that could be imported to Madeira by these stakeholders (who showed great interest).

After these GP were identified and given the partners meetings held and their feedback, IDE, IP-RAM proceeded with an analysis on what Actions should be taken and were feasible to execute and monitor during phase 2 of the CARPE DIGEM project.



Actions:

- **A1.** SMART ISLANDS HUB CONNECTION WITH CARPE DIGEM'S DIHs
- **A2.** MADEIRA DIGITAL PROGRAMME

Please note that during the Carpe DIGEM project phase 1, IDE, IP-RAM collected and presented a total of 15 Good Practices, listed below:

- Digital Nomads Project
- The M-ITI Madeira Interative Technologies Institute
- DTWay – Digitalizing Buildings
- Hydroponic Peppers Production
- MITIEXCELL – Improving Excellence in R&D
- Safe Madeira App
- YouGoTo – Measuring Tourists Behavior
- Design of the Future Industrial Kitchen
- siTAPE by FloatingParticle
- Grassroot Wavelengths Project
- SMILE – Smart Islands Energy System
- Startup Madeira – European network of business and innovation
- Madeira Digital Innovation Hub
- SICO – Improving Combustion and Optimizing Production wih AI
- Tactilis - Biometric smartcard
- Madeira DIGITAL Programme

4.1 Background

Note: Write a separate one for each action/service to be developed or for each grouping of services – for example for a Digital Innovation Hub or Competence Centre; new training service or pilot project.

Explain here the background of the project/action including which challenge or need this project/action intends to address or give a response to.

Please, in addition fill in the two annexes

Annex 1: includes a detailed description of the different activities and meetings involving the local stakeholders to define the services and expected impact to be included in this action plan.

Annex 2: Results and follow up actions of Digital Maturity Assessment

ACTIONS

- **A1. SMART ISLAND HUB CONNECTION WITH CARPE DIGEM'S PARTNERS DIHs**

The Operational Programme “Madeira 14-20” priority axes and the specific goals that it sets, reflect the regional strategic options of the Madeira@2020 Commitment - Strategic Guidance Document - (PDES - 2014-2020) and are aligned with the priorities of the Europe2020 Strategy of the National Reform Plan and the Partnership Agreement – Portugal 2020.
The OP establishes a specific Axes on the reinforcement of the research and innovation (R&I) infrastructure and the capacity to develop excellence in R&D as well as the promotion of centres of competence, namely those of European interest. It also addresses the issue of supporting the investment by companies in innovation and research, the development of links and synergies between companies, R&D centres and the high-level education sector, in particular the promotion of the development of products and services, technology transfer, social innovation and co-innovation in networks, clusters and open innovation through smart specialization.

This action directly correlates with the Operation Programme of Madeira1420 as this one defines a macro-level Reginal Development Strategy with a specific topic on increasing R&D levels within Madeira and position the Region on the top-4 Regions within the country on R&D investment, aiming to obtaining European acknowledgment. However, micro-strategies and specific actions were left for political decisors, governance bodies (such as IDE, IP-RAM) and stakeholders (such as ARDITI) to address and develop regardless the existing grant schemes and co-related programs. The current Action 1 emerges directly from the CARPE DIGEM project and aims specifically at the defined goals by the OP and its strategy, namely, the know-how transfer from Universities and R&D Centers to companies and the attraction of R&D investment, human resources and projects leveraging to reach the market.

As the CARPE DIGEM phase 1 moved along and given the good practices acknowledged from other partners, IDE, IP-RAM met with regional stakeholders in order to bring together different entities and perspectives that could stimulate the co-creation of a true regional DIH and address this specific PO Axis.
Contributions were most valuable and regional stakeholders ARDITI and ACIF-CCIM started working together under this new project “Smart Islands Hub (SIH)” which is a Digital Innovation Hub (DIH) that aims to promote the empowerment and digital inclusion of the Madeiran population and encourage the adoption of advanced digital technologies by SMEs, midcaps and public sector organizations based in this region. The goal is that these solutions not only help local organizations, but also be valuable for other remote regions and island territories, to face the major challenges due to their condition as outermost regions, such as remoteness, insularity, small size, difficult

topography and climate, an aging population, the emigration of young people and economic dependence on a small number of products and economic areas.

The four main areas of services provided by SIH are:

- Test before invest
- Skills and Training
- Innovation Ecosystem and Networking
- Support to find investments

These areas are specifically aligned with the needs and goals set by the Operational Programme as they were also directly influenced by it.
SIHs is a DIH in preparation that will act as an accelerator of the Digital Transition, managing Innovation and Technological Transfer as an interface between the technological research of its partners and business innovation in the regional market. A proposal to recognise SIHs withing the national network of DIH has been submitted in February 2021 and approval has been given in Sep. 2021 making this a fundamental step taken.

Madeira's SIH has been cooperating with our partners from Mallorca, specifically the DIH of that Region, in the recently created network called "iSLANDIHs" that brings together DIHs from Madeira, Azores, Canary Islands, Baleares Islands, Corsica, Sardegna, Sicily, Malta, Crete and Cyprus. This specific network has been quite active and is now preparing a submission to the European network of DIHs (EDIH).

The main challenge was to bring together private and public regional partners to share a common vision for a competent and reliable Digital Innovation Hub based in Madeira and also position itself internationally, creating links with other European DIHs, following the strategy settled by Carpe DIGEM and following the recommendations defined in the Peer Review Report.

In fact, this Inbound Action is already taking place with a first meeting being held (12th January 2022) between the regional stakeholder owner of SIH – ARDITI – and Carpe DIGEM's Slovenian Partner with their 4PDIH project with the goal to explore common links and opportunities.

- **A2. MADEIRA DIGITAL PROGRAMME**

The Madeira Digital Programme is a Grant scheme (total available funding of 4 Million Euros) that has been created during the Carpe DIGEM project and under the "Economic Recovery, Public Health Response and climate transition in the context of the COVID-19 pandemic (ERDF)" Priority, "Goal 13.a.2 Develop actions aimed at maintaining and improving the competitive capacity of regional companies – ERDF" of the Madeira1420 Operational Programme.

The democratization of internet access has allowed connectivity between people, companies and organizations to be more efficient, promoting their participation in social networks and economic platforms, which characterize the era of the Digital Economy, in full expansion.

Considering that the Digital Economy brought the opportunity to implement processes of digital transformation – like the ones Carpe DIGEM has identified and stimulated - with the adoption of new solutions in terms of use and dissemination of Information and Telecommunications Technologies (ICT), with implications for investments, production processes, relationships between suppliers and their consumers, in business models and working relationships and also taking into account that, despite the negative impacts, the COVID-19 pandemic accelerated the process of digital transition of companies, showing that those which do not adopt new technologies will be left behind by the market, the Regional Government of Madeira decided to create this grant scheme – managed by IDE, IP-RAM and under the Madeira 1420 Operational Programme – in order to allow companies in Madeira to use technological tools as their main working tool, improving their performance in the market, making it more fluid, fast, dynamic and efficient, enhancing their competitiveness, improving the

consumer/client experience and mitigating the physical distance resulting from the outermost condition.

The challenge that is addressed by this action is to democratize the access to digitalization actions funding. As most businesses are SMEs, they often don't have the resources to implement digital transformation processes. Madeira Digital Programme aims to help these businesses in those processes, allowing them to invest and contract the needed resources and providing a non-reimburse grant up to 70% of all eligible expenses (total amount varies according company dimension).

The M1420 Instrument Policy set a couple of specific axes towards strengthening SME's competitiveness and promoting of entrepreneurship, in particular, by facilitating support for the economic exploitation of new ideas and encouraging the creation of new businesses through incubators, R&D investments and cooperation with academics and universities, towards know-how transfer. It also set a specific axis to improve access to information and communication technologies, as well as their use and quality. However, this last one scope is broader and more directed to the society as a whole, including public administration.

The Digital Madeira Grant Scheme ended up providing a policy change as it addresses and provides specific funding for the digital transition of companies in the Region, an instrument that was only indirectly available through other schemes (most related to R&D-investments and not specifically addressed to this topic only).

Currently, the submission of proposals phase is completed with more than 721 companies applying with a total investment of 13.7M€. IDE, IP-RAM will now continue to evaluate the proposals and monitor the execution of the projects and the impact it will have on the Region.

4.2 Knowledge applied from CARPE DIGEM

Describe in this section how you are applying the knowledge acquired and lessons learnt from the exchange activities in CARPE DIGEM, in the development of your action plan.

Partner experience and practice (please detail: service name, short description and location)	How this Partner practice has contributed to the services developed in your Action Plan (detail any transfers, full or partial of good practice)
DIHBAI-TUR, 4PDIH, Catalyst Inc, C-Tric and Donegal DTE	These partners and their good practices have provided valuable information regarding the

(partners from Spain, Ireland, Slovenia)	creation, management and development of DIHs, with different scopes and approaches. They also have provided information on how the EDIH works, helping Madeira's SIH and its participation on the "iSLANDIHs" network able to prepare a crucial submission to the EDIH. In particular, regional stakeholder ARDITI is already in talks with Slovenian partner in order to transfer 4PDIH good practice.

4.3 Action/service description

Description of the action or service planned, including at least:

Main objectives	*Value brought by this action into the region*	*Players involved and role in the implementation and collaboration between them explanation of their involvement in service design)*
O1. Establish a Smart Island Hub in Madeira and successfully have SIH's proposal approved to the European Digital Innovation Hub Call (in collaboration with other partner's DIH such as Mallorca's)	Increase the R&D activities in the Region; position Madeira's DIH internationally, facilitating it's participation in other EU programs and projects; create more qualified job posts in Madeira thus retaining talent HR in the islands.	The stakeholders involved on this Action are mainly the ones that compose the Madeira Digital Innovation Hub: ARDITI, ACIF-CCIM, University of Madeira and Startup Madeira. It will be these entities who will drive the Action and promote the know-how and R&D transfer and investment from academia to SMEs and businesses, helping companies reach market with innovative solutions

		while promoting the DIH internationally. For the purpose of the current Action Plan and the Carpe Digem project, the main stakeholders are the PP IDE, IP-RAM which will monitor the activities developed by the DIH and evaluate the impact of it on the social-economics of Madeira, collecting and analyzing data provided by the DIH but also by the businesses which submit it yearly to the Regional Statistics Department.
O2. Increase digital transformation across Madeiran SMEs	Through specific grant scheme Digital Madeira, the goal is to allow several SMEs across all economic sectors to access funding to implement the digitalization of their processes.	The main stakeholder for this Action is PP "IDE, IP-RAM" as it is the legal organization responsible for putting in place the Digital Madeira Programme, proposals evaluations, funding attribution, project's monitoring and final evaluation of the projects. Therefore, this action is totally under PP responsibility. Other related stakeholders include "IDR – Regional

		Development Institute" that acts as main organization within the Region for monitoring and implementing EU funding programmes (mostly public, with the private schemes under IDE) and policies. IDR will revise and audit the monitoring and the projects developed under the Madeira Digital Programme. At last, the Regional Secretary of Economy as the main public body in Madeira responsible for the policies and political decisions related economic measures in Madeira.

Additional information can be included in an annex (i.e. specifications resulting from the service design process, etc.)

4.4 Timeframe and Funding

Include here the timeframe for the project funding application and set-up/implementation Process. Note: this chart will be key for the reporting procedure on the indicators given in the Application Form (Number of Projects and Investments relating to your PI and other Policy Instruments)

The below table sums the timeframe for Action 1:

Project/Action Investment Line/Funding Source + Amount (please state each source of funding)	*Submitted For Funding*	*Funding Decision*	*Start and End Date*	*Other key milestones*
Monitoring of the SIH and EDIHN call results			*Jan'22-May'22*	*Result of European call by May'22*
Monitoring of the implementation of the SIH in Madeira ***(HR and SMEs involved, actions and events developed, know-how transfer and GP achieved)***	*1.000.000€ (regional budget supported via M1420 OP)*	*Jan'22 (already approved at national level))*	*Jan'22-Jul'23*	
Evaluation of the impact in socio-economics terms and R&D investment increase in the Region			*Jan'23-Jul'23*	

The below table sums the timeframe for Action 2:

Project/Action Investment Line/Funding Source + Amount (please state each source of funding)	*Submitted For Funding*	*Funding Decision*	*Start and End Date*	*Other key milestones*
Evaluation and approval of the proposals submitted to Digital Madeira	*4.000.000€*		*Jul'22*	

4.5 Workplan

Action plan

Include an outline of the Work-plan for each project. A suggestion could be to breakdown the Work-plan in work packages and tasks as below:

- **A1. SMART ISLANDS HUB CONNECTION WITH CARPE DIGEM'S PARTNERS DIHs**

WP	Tasks
Work Package 1 **Submission of Madeira's SIH to the European Digital Innovation Hubs Network call**	Task 1.1 Definition of goals, procedures, value, outcome, methodology
	Task 1.2 Budget revision for proposal
Work Package 2 **Development of the SIH**	Task 2.1 Team-management and organization
	Task 2.2 Development of predicted services within the SIH
	Task 2.3 Technology & Innovation Management
Work Package 3 **Promotion**	Task 3.1 Promotion activities to disseminate services and internationalization processes of the SIH

- **A2. MADEIRA DIGITAL PROGRAMME**

WP	Tasks
Work Package 1 **Setting up and launch for calls**	Task 1.1 Madeira1420 Operational Programme budget revision and funding approval for Digital Madeira
	Task 1.2 Open for calls
Work Package 2 **Proposals Evaluation and Approvals**	Task 2.1 Evaluation of submitted proposals in cooperation with experts

	Task 2.2 Approvals / Rejection of submitted proposals / Funding decisions
Work Package 3 **Monitoring and Financial Support**	Task 3.1 Monitoring of execution of approved proposals and assessment of impact
	Task 3.2 Funding of approved proposals

4.6 Budget breakdown for the service/project

Detailed budget associated to the service. It can be presented using different costs categories. You can also use the budget headings used in your applications for funding. Below is an example

The current section details the budgets/expenditures for each of the inbound actions.

- **A1. SMART ISLANDS HUB CONNECTION WITH CARPE DIGEM'S DIHs**

Category of funding	Expenditure Amount
Human resources	565.000 €
Equipment, marketing and travel	185.000 €
Overheads (25%)	250.000 €
TOTAL	**1.000.000 €**

- **IA3. MADEIRA DIGITAL PROGRAMME**

Category of funding	Expenditure Amount
Total funding available for proposals	4.000.000 €

TOTAL	**4.000.000 €**

4.7 Viability and sustainability

Section to outline, for example:

- *how the services will be delviered and maintained in the in the medium term, i.e. next 3 to 5 years (following the end of Phase 2.*
- *You could include a business plan that might include cash flows and financial projections*

- **A1. SMART ISLANDS HUB CONNECTION WITH CARPE DIGEM'S DIHs**

This follows a quadruple-helix approach and brings together regional stakeholders from public and private entities, SMEs, R&D Centres and the University. The logic beneath SIH is to act as an interface between R&D entities of the Consortium and innovation within SMEs. It's not a R&D-driven project in itself, but rather an innovation-driven project that picks-up from R&D outcomes and brings them to the market and the industry, on a *test-before-invest* logic and by providing support to find investment capital, providing skills & training programs and developing a unique ecosystem and network.

ARDITI already has secured direct funding from the Regional Government (a total 1.000.000€ is allocated on the regional budget for this action). Other European funding grants and funding schemes will most likely be used to keep financing this action long-term through the current NextGeneration EU Plan but also the new European Framework for 2021-2027. Digital Innovation Hubs will continue to be a "hot" topic and therefore many calls should be available. Also, there are specific funding schemes from EU to Outermost Regions such as Madeira. The Region and stakeholder ARDITI have a vast experience with these calls, having successfully led several projects during the last decade.

- **A2. MADEIRA DIGITAL PROGRAMME**

The funding for this action is secured via the Madeira1420 Operational Programme. Companies that submit proposals to this measure, should comply with several requirements that guarantee a minimum viability in terms of resources and finances, including a significant percentage in terms of financial autonomy.

Approved projects are subject to monitoring and should comply with legal regulations as well as the approved project terms. This includes the results/outcome of their projects which translates in the following indicators:

1. Number of areas with digital technologies incorporation within the company due to the project;
2. Internal dematerialized processes within the company.

Each project/candidate is also obliged to submit a financial business plan, with predicted sales increase, job maintenance and new jobs creations. IDE, IP-RAM will monitor and follow-up each project. Any deviation from the project will translate into a proportional reduction of the approved grant.

4.8 Impact expected

A. Refer to your 'Self-Defined Indicators' in the Application Form:

B. Section to explain the impact expected of this action/service (You might also cover the angle about what would be the impact if the action is not implemented).

This information will be included in your tailored regional Digital Innovation Improvement Plan resulting from your Digital Maturity Assessment

- **A1. SMART ISLANDS HUB CONNECTION WITH CARPE DIGEM'S DIHs**

The impact of this Action Plan is visible on several levels or indicators:

  - Involved regional and international stakeholders: more than 30 stakeholders;
  - Number of actions bringing R&D to SMEs and test-bedding: >10;
  - Number of Skills & Training Sessions with SMEs: <15;
  - Attraction of foreign investment (private or public) to Madeira: >5M€ (estimate and not directly a goal in itself as it depends too greatly on the SMEs)

- **A2. MADEIRA DIGITAL PROGRAMME**

The main indicators for the Madeira Digital Program are:

  - >100 approved proposals
  - 4.000.000€ investment

- > 100 areas with digital technologies incorporation within the companies;
- > 100 Internal dematerialized processes within the companies

4.9 Monitoring actvities in Phase 2

A. Refer to Section 4.5 (in Phase 2 reports you will need to report on the predicted timeframe for the project funding application and set-up/implementation Process

B. Follow up actions from your Digital Maturity Assessment

In order to ensure that the current Action Plan is followed and successfully completed, IDE, IP-RAM has defined and will comply with the several monitoring activities:

- **M1:** Trimestral checks with regional stakeholders who are implementing the Actions;
- **M2:** Promotion of new know-how exchanges and opportunities dissemination among regional and international stakeholders;
- **M3**: Monitoring of the regional incentives schemes, the approval rates and execution rates;
- **M4**: Continue to identify new Good Practices in Madeira and sharing them with project partner's and international stakeholders;
- **M5**: Promote regional-level stakeholders meetings (2/year) that will bring together actors from several quadrants on a quadruple-helix approach, promoting innovation, digital transformation and R&D activities within Madeira and helping those who wish to link with international stakeholders.

Depending on the outcome of these monitoring actions, IDE, IP-RAM will revise and update the current Action Plan and give notice to project leader.

Action plan

IDE, IP - RAM agrees to implement the Action Plan for the Autonomus Region of Madeira as detailed above and confirm that has the required authorisation to proceed with this implementation and the same has been duly carried out.

On behalf of:

Signed:

Name: Duarte Nuno Nunes de Freitas

Position in Organisation: Chairman of the Board of Directors

Date: 2022/03/29

arditi

Action plan

On behalf of ARDITI I would like to confirm our support for the IDE IP-RAM Action Plan developed through the CARPE DIGEM Project. We agree, where appropriate, to promote and give assistance to the delivery and implementation of the projects and other activities as detailed in the IDE IP-RAM Action Plan.

I confirm that I have the required authorisation of ARDITI to do so and that the required authorisation process of ARDITI has been duly carried out.

On behalf of: ARDITI

ARDITI
Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação
PT 511 080 405
Edifício Madeira Tecnopolo, Piso 2
Caminho da Penteada | 9020-105 Funchal

Signed: Paulo Abreu

Name: Paulo Abreu

Position in Organisation: Project Manager, Coordinator of the Smart Islands Hub

Date: 29/07/2022

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ANNEXES

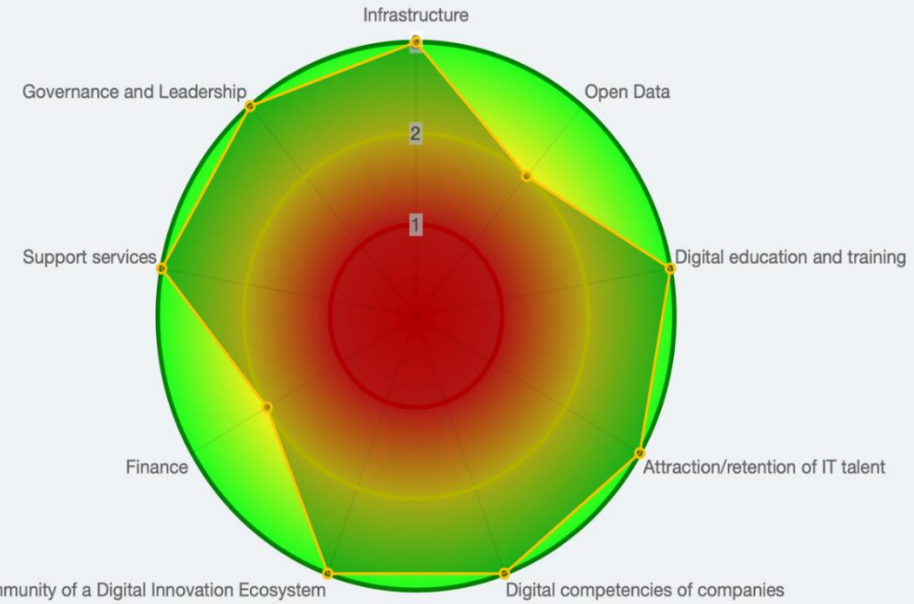
Annex 1 - List of main activities and meetings with the local stakeholders

Activity/meeting	Date	Stakeholders involved	Issues addressed and main outcomes
Stakeholder meeting	16/06/22	ARDITI	Presentation of the following Carpe DIGEM GPs to regional stakeholder ARDITI: C-TRIC Healthcare; Donegal Digital Transformation Ecosystem; Aislann – support innovation in Gaeltacht; Digital Transformation of Derry; 4PDIH and DIHBAI-TUR. Overall discussion on Smart Islands Hub.
Stakeholder meeting	18/06/22	Escola Superior de Enfermagem S.José de Cluny	Presentation of the following Carpe DIGEM GPs to regional stakeholder ESE S.José Cluny: C-TRIC Healthcare. Overall discussion on DIH in Madeira an innovative project.
Stakeholder meeting	22/06/22	Universidade da Madeira	Presentation of the following Carpe DIGEM GPs to regional stakeholder Universidade da Madeira: C-TRIC Healthcare, Donegal Transformation Ecosystem, Aislann supporting innovation in Gaeltacht and 4PDIH. Overall discussion on DIH in Madeira an innovative project.
Stakeholder meeting	13/07/22	Direcção Regional do Ambiente e das Alterações Climáticas	Presentation of the following Carpe DIGEM GPs to regional stakeholder DRAAC: Safe Beach from Mallorca. Overall discussion on innovative projects that DRAAC has been involved in.

Action plan

Activity/meeting	Date	Stakeholders involved	Issues addressed and main outcomes
Stakeholder meeting	14/07/22	StartupMadeira	Presentation of the following Carpe DIGEM GPs to regional stakeholder Startup Madeira: Aislann – supporting innovation in Gaeltacht; Incubator Parcbit; L'INKUB; Digital Transformation of Derry; The Innovation Loop. Discussion regarding Digital Nomads Madeira Program and other projects.
Stakeholder meeting	23/09/22	Direcção Regional do Turismo	Presentation of the following Carpe DIGEM GPs to regional stakeholder DRT: Participative GIS Tools; DIHBAI-TUR; TRIME Circular Hotels. Discussion on other innovative projects and regional DIH.
Stakeholder meeting	18/11/22	ACIF-CCIM	Presentation of the following Carpe DIGEM GPs to regional stakeholder ACIF: DIHBAI-TUR and TRIME Circular Hotels. Discussion on current i4.0 and DIH in Madeira. Discussion on circular economy and sustainability.

ASSESSMENT



Dimension I.: Infrastructure

The broadband infrastructure as well as the coverage of public places is adequate. There is a good use of intelligent sensors, setting a good base for territory's individual and organizational operations.

Dimension II.: Open Data

The availability and use of open data can be used/exploited better to have a greater influence on policy making processes. There is room for improvement of open data use in businesses, to exchange data with other institutions (from other regions/cities).

Dimension III.: Digital education and training

Digital education and training in schools is at a good level. The integration of digital tools in educational institutions and also outside of the school environment enables equal opportunities for young people and adults to obtain their digital skills.

Dimension IV.: Attraction/retention of IT talent

The attraction of IT talent in companies/business is at a good level, so is the number of employees working in digital sector companies. Companies/businesses have a good access to relevant local IT solution providers.

Dimension V.: Digital competencies of companies

Companies are investing in their employees by offering them training to improve their digital skills. Companies are also paying attention to their web presence and they offer digitally supported services. Most of the sectors are doing well in digitalization of their processes.

Dimension VI.: Community of a Digital Innovation Ecosystem

From the perspective of digital innovation ecosystem, the establishment of a tech-community is used to improve collaboration between different sectors. Adequate networking events bring digital and non-digital sector companies together, enhancing processes of digital transformation.

Dimension VII.: Finance

Territory's financing activities could be further improved. Territory's activities should do more in terms of encouraging companies to provide grants/tax incentives for digital projects; the territory's banks need to do more in providing bank loans to territories' non-digital sector companies for developing their digital projects, including for the digital sector companies as well. The territory needs to do more in encouraging private investors to be willing to invest in digital sector companies and more attention needs to be given to developing alternative financing practices (e.g.: crowdfunding, angel investor, venture capital) to fund digital projects.

Dimension VIII.: Support services

Support services for the digitalization process are sufficient for successful digital transformation strategy for SMEs. Local stakeholders should continue by taking actions to raise the awareness of the importance of digital transformation of SMEs and continue providing better support to non-digital companies.

Dimension IX.: Governance and Leadership

Governance and management of digital transformation strategies are sufficient. Additionally, digital innovation hubs, including existing rural digital innovation hubs continue to support the implementation of local digital transformation strategies.

Annex 3 – Other documents