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Italy – Croatia

IN4BLUE

IN4BLUE
Deliverable D.1.1.1
IN4BLUE Technology Database

August, 2024

Programme	Interreg Italy-Croatia
Project ID	ITHR0200355
Project name	IN4BLUE - Social impact INcubators FOR strengthening the capacity of Adriatic region to support the sustainable industry transformation of the BLUE economy sector
Period 1 - Activity 1.1	Mapping business ecosystem for competences and discovery of sustainable technology applicable to blue economy sector
Deliverable D.1.1.1	IN4BLUE Technology Database
Deliverable coordinator	PP4 – TECNOPOLIS Science and Technology Park

Table of contents

1. Background and objectives 3
1.1 IN4BLUE project 3
1.2 Deliverable overview and purposes 4
2. Summary of the Deliverable 6
3. List of technologies and solutions mapped 11

1. Background and objectives

1.1 IN4BLUE project

IN4BLUE project is a capacity-building project that addresses the lack of skills of local actors in the Interreg IT-HR programme area within creative industry, blue economy and other connected sectors to act upon and become part of digital and green transition actions.

In particular, the project focuses on micro and small enterprises from two sectors of blue economy: **coastal tourism and maritime transport and their connected value-chains**. Indeed, the blue economy sector is one of the most widespread in the program area and is one of the most affected sectors by the recent COVID crisis hence these enterprises have problem in finding capital for investing in digital and sustainable technologies and have limited skills in communicating new green-values to their users.

To tackle this problem, a new systematic approach is proposed in which **the *community* of creative actors and technology specialist in a form of SOCIAL IMPACT BUSINESS INCUBATORS are collaborating** together and internationally **to design and prototype new sustainable concepts and business processes for the blue economy sector**, all leading to increased capacity of area to cocreate and innovate.

IN4BLUE project will support minimum of 90 SMEs and host more than 50 events/training sessions resulting in 240 participations in the upskilling actions. Project will identify minimum 60 use-cases of green/digital transition and 18 sustainable technologies or sustainable techniques applicable in the blue economy sector and will result in minimum 12 original business case models and 6 business plans developed.

Project is innovative in a way that it brings the practices from the start-up ecosystem to traditional industry like the blue economy. The program is inclusive; it introduces new tools (design thinking, design sprints, hackathons) and new concepts (residency program, pitch sessions etc.) to the territory and it contributes to shifting the method of learning from common trainings to experience exchange and learn-by-doing practice.

Since project objectives are very challenging, and based on past experiences of project partners, it is crucial to identify and to constantly monitor all possible risks that may affect correct implementation and results' achievement in order to prepare and to adopt mitigation strategies.

1.2 Deliverable overview and purposes

The present deliverable is part of WP1 - Innovation ecosystem and IN4BLUE support program development and results from implementation of A1.1 - Mapping business ecosystem for competences and discovery of sustainable technology applicable to blue economy sector.

WP1 targets the specific challenge 6 of the program area: "Building or reinforcing transformation and digitalisation skills of SMEs and their networks, to boost innovation mainly in blue economy sectors and adopting circular economy practices".

In mapping technology solutions, PPs proceeded to map a wide range of items:

- public-private co-development practice;
- green solutions (such as energy efficient, Resource efficient, reducing environmental footprint, promotion of biodiversity etc.) taken by public organizations;
- public environmental events or social events connected to green transition;
- sustainable business cases (within but not limited to project targeted sectors sustainable tourism and maritime transport);
- transnational organizations supporting green transition.

Solutions mapped not only reside within the IT-HR programme area; some of them are outside Consortium ecosystem / countries but have been selected as potentially applicable to PPs' area and possibly to be promoted within the foreseen Social Business Incubators.

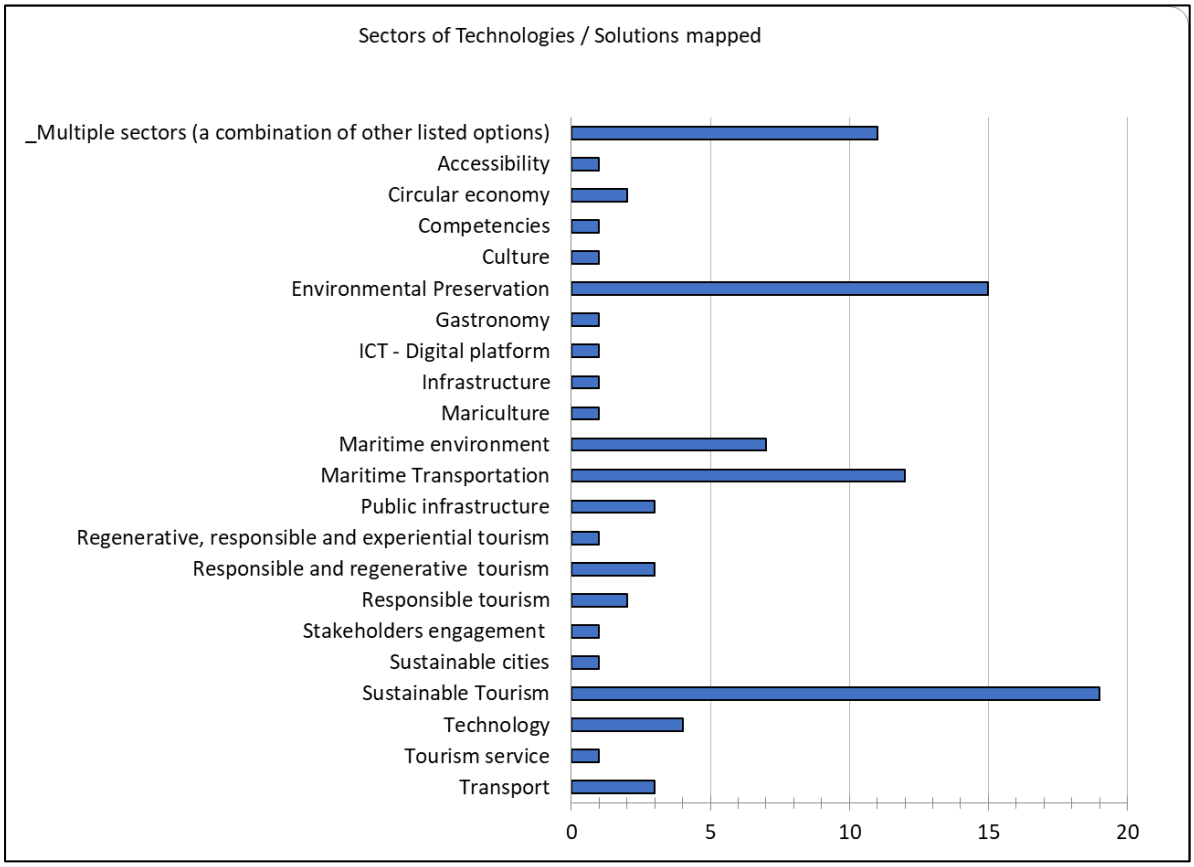
Contents of the D1.1.1 will be elaborated into a specific design (infographic or similar interactive tool), by PP2 and PP5 being in charge of project communication, in order to ease transferability of gathered inputs to specific target groups and stakeholders in the project area, especially during implementation of WP3, through targeted meetings, raise awareness events and communication tool.

2. Summary of the Deliverable

It was initially foreseen to map at least 80 use-cases of digital and / or green technologies applicable in blue economy sector. Since the present document includes **93 use-cases** it can be said that IN4BLUE consortium achieved more than initially planned.

In the mapping process, PPs decided to highlight specific information about identified technology solutions such as: key features, innovation type, sectors and locations.

This approach led to some interesting data as in the graphics presented below.



Sustainable tourism, environmental / maritime preservation and maritime transportation are the main analized sectors, in line with IN4BLUE project purposes.

Technological sector and public infrastructures also represent important areas of analysis, well connected with main ones.

Some Interreg past projects and their results / outputs are mentioned in order to capitalize on the previous experiences of European territorial cooperation.

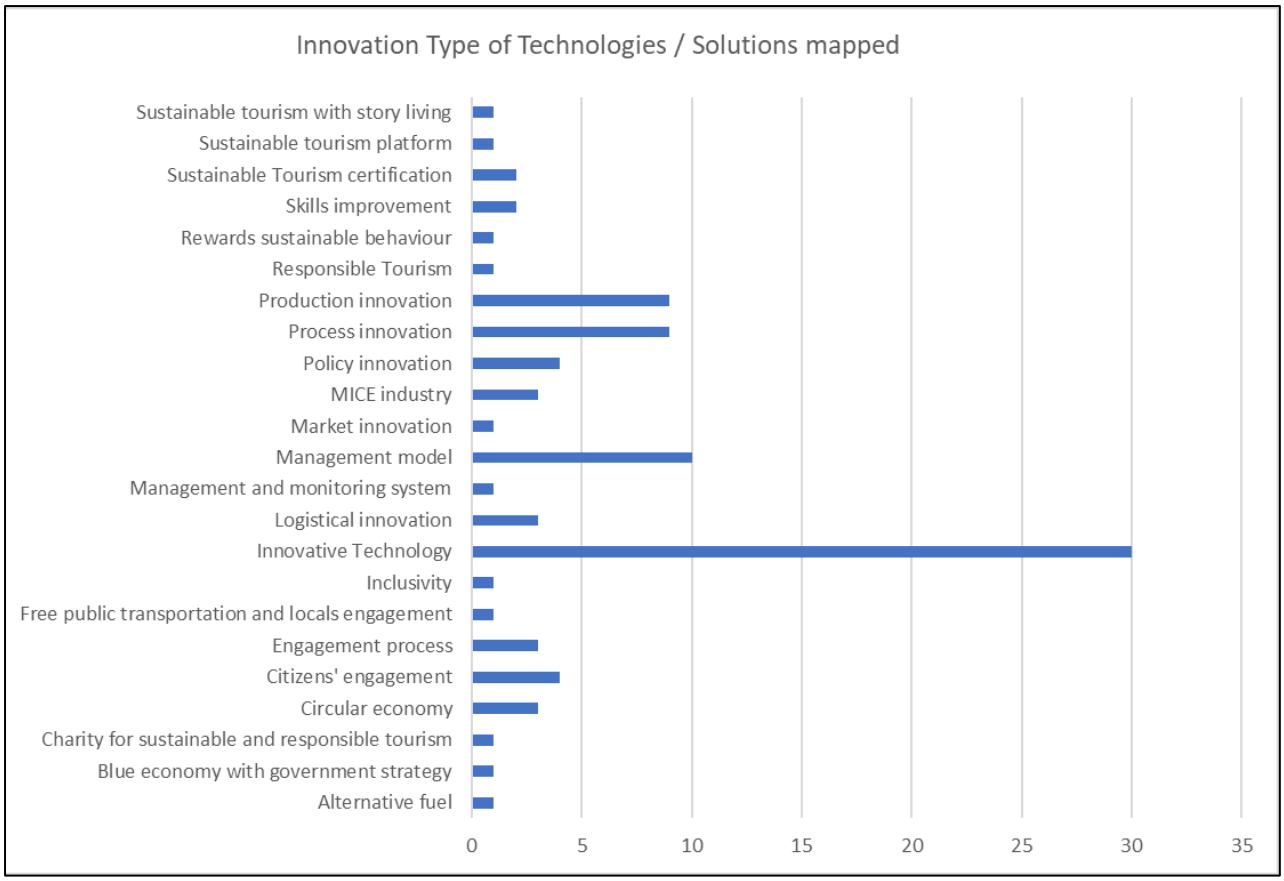
Innovation types reflect the main themes beyond IN4BLUE and present challenges of Italian and Croatian territories and organisations engaged in the project, although these challenges are also crucial to many other countries and regions as demonstrated by locations of technologies and solutions mapped as presented in the subsequent paragraph.

Most of the innovations selected are technological ones such as: data gathering and analysis, energy efficiency solutions, systems aiming to reduce waste, etc.

Process innovations were also prioritised as well as successful management models pursuing a positive impact on supply and distribution chains, strengthening cooperation among different stakeholders, public-private-civil alliances, promoting circular economy, etc.

“Sustainability” and “responsibility” are frequently mentioned in relation to tourism, in line with present policy orientation in Europe and beyond.

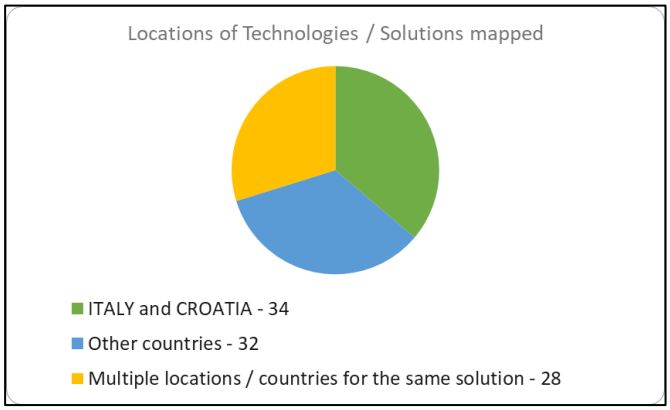
“Engagement” is also a recurrent term since no durable improvement is possible without having direct and indirect approval of citizens and stakeholders based on target territories.



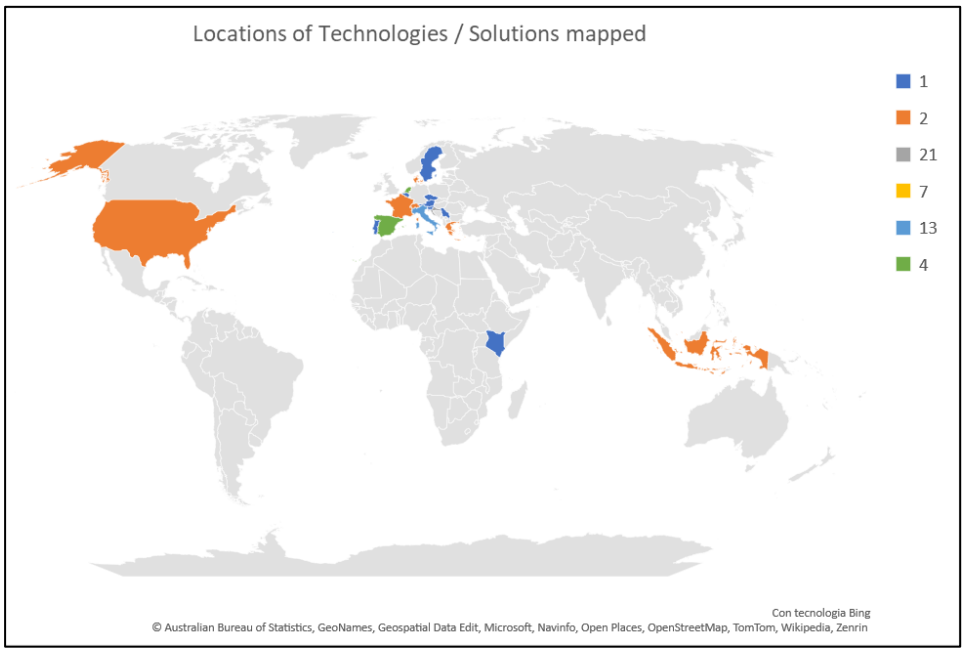
Territorial coverage of mapping was well balanced, too.

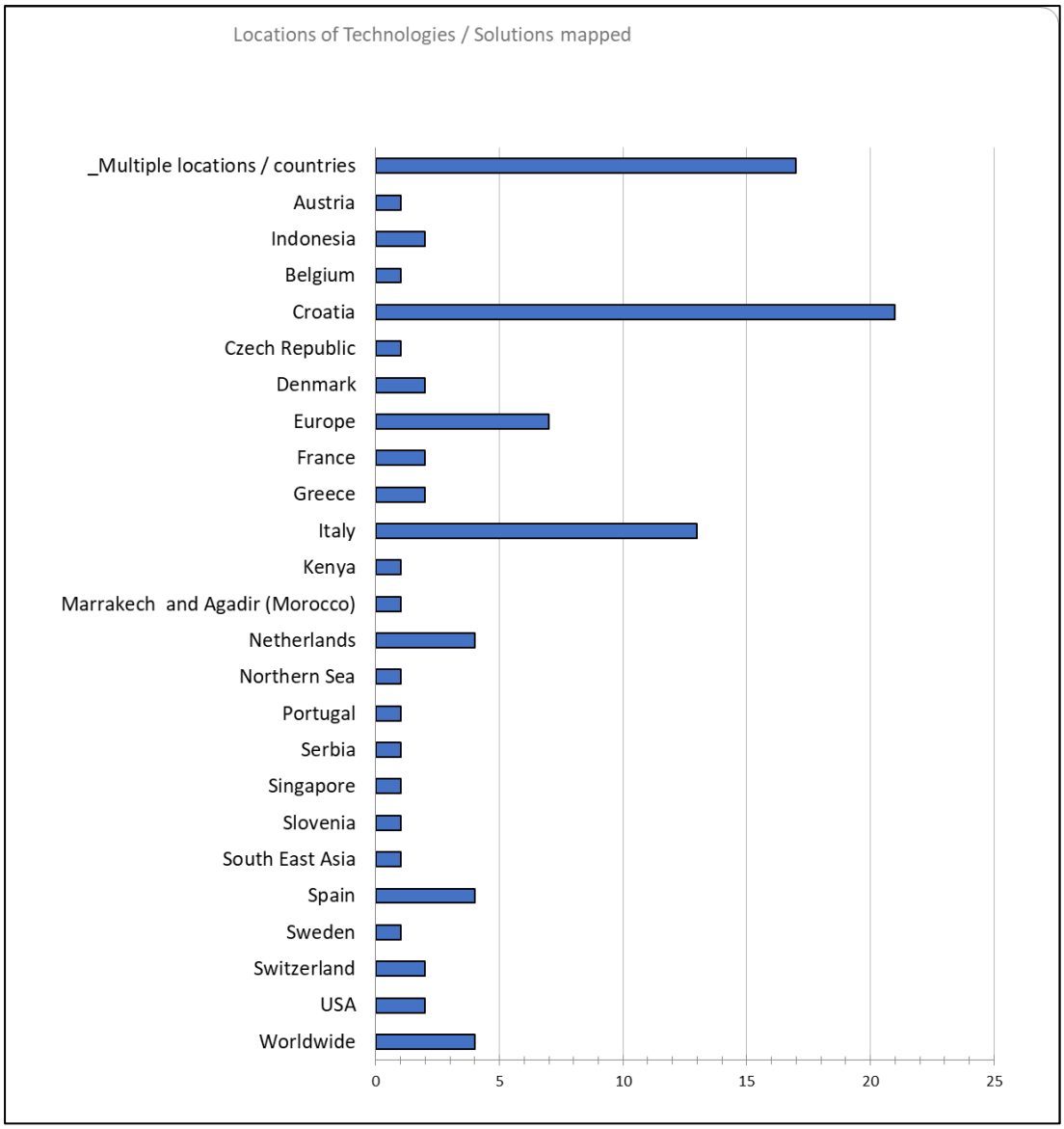
Considering Programme character and location of partner organizations, Italy and Croatia were prioritised although mapped technologies and solutions referring to these countries are located both within and beyond the Interreg Italy-Croatia programme area.

Many other countries are represented in the mapping, within and beyond Europe, and uses-cases referring / implemented in multiple countries at same time are specifically categorized in the graphics. Some of these latter may also include Italy and Croatia among the implementing countries.



Below are more graphics summarizing data about mapped technologies and use-cases locations.





In the following pages is the complete list of technologies and solutions mapped at project level.

3. List of technologies and solutions mapped

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
IDA	1	**ECOcube**	ECOcube - a floating collection station for solid waste and wastewater from vessels.	Green sea mobility sector	LINK	Production innovation	Maritime Transportation	Norway, Croatia (Istria)
IDA	2	**PROeco catamaran**	Eco-catamaran partially made of natural, environmentally friendly materials powered by environmentally friendly, solar energy	Green sea mobility sector	LINK	Production innovation	Maritime Transportation	Croatia (Istria)
IDA	3	**S.I.C. d.o.o.**	Blue and green technologies in production phase	New technologies	LINK	Process innovation	Mariculture	Croatia (Istria)

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
IDA	4	**Maritime Environment-friendly TRanspOrt systems**	Improvement of environmental sustainability in the field of maritime transport through the development of hybrid solutions that will be adopted on vessels for the transport of passengers	Green sea mobility sector	LINK	Production innovation	Maritime Transportation	Italy, Croatia (Istria)
IDA	5	**Sustainable Transport in Adriatic Coastal Areas and Hinterland**	Innovative mobility concepts for passenger transport in urban centres to reduce traffic congestion, improve air quality and reduce CO2 emissions	Green mobility	LINK	Logistical innovation	Tansport	Croatia (Poreč, Vodnjan), Italy
IDA	6	**GREEN and smart Mobility INDustry innovation**	Strengthening SMEs' economic competitiveness and innovation capacities in the field of green and smart mobility in the Mediterranean area	Green mobility, SMEs	LINK	Logistical innovation	Transport	Italy, Slovenia, Greece, BiH, Croatia (Istria), Croatia, France, Spain

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
IDA	7	**Maritime and multimodal sustainable passenger transport solutions and services**	Multimodal solutions, innovative and smart tools and technologies to increasing multimodality and reduce the impact of transport on the environment	Green mobility	LINK	Process innovation	Transport	Croatia, Italy
IDA	8	**Quality Network on Sustainable Tourism PLUS**	Promotion of highly experiential tourism, able to properly fulfil the potential of Adriatic – Ionian cultural heritage via the creation of sustainable quality products	Innovative tourism product	LINK	Production innovation	Sustainable Tourism	Italy, Greece, Croatia (Istria), Montenegro
IDA	9	**Smart and Slow Tourism Supporting Adriatic Heritage for Tomorrow**	Establishing, managing and promoting Adriatic Region as smart, integrated, sustainable, accessible, year-round, green and slow tourist destination of the Mediterranean based on accessible, protected, valorised and promoted tangible and	Innovative tourism product, Sustainable tourism	LINK	Production innovation	Sustainable Tourism	Croatia, Italy

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
			intangible joint natural and cultural heritage of its islands, coastal, inland and rural Adriatic					
IDA	10	**Adriatic Landscape Interpretation Network**	Creation of a network of Landscape Interpretation Centres, conceived as nodal points of selected thematic paths and routes, digitally connected through an ICT platform, ensuring the integrated management of tourist services, fostering innovative solutions	Innovative tourism product	LINK	Production innovation	_Multiple sectors (a combination of other listed options)	Italy, Albania, Bosnia and Herzegovina, Italy, Greece, Croatia (Vrsar), Serbia
IDA	11	**MAnagement and DEvelopment of INLANDs**	Enhancing the protection and valorisation of natural and cultural unexploited capital of inland areas by means of tourism development and improved accessibility	Sustaianble tourism	LINK	Logistical innovation	Sustainable Tourism	Italy, Croatia (Pazin)

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
IDA	12	**Culture and Tourism as keys for quality cross-border development of Italy and Croatia**	Innovative tourist itinerary that will be focused on enhancing the local eno-gastronomic attractiveness, and supporting synergies creation among the didactic kitchens, local producers and cultural sites operators	Innovative tourism product	LINK	Production innovation	Sustainable Tourism	Italy, Croatia
IDA	13	**Adriatic Cultural Tourism Laboratories**	Supporting the economic growth by stimulating innovative models of cultural tourism and leveraging creation of innovative tourism products, by means of digital technology tools, promotion of new business ideas and improving infrastructure accessibility for disadvantaged groups, that will all contribute to develop competitive tourism destinations and to decrease the seasonality	Sustaianble tourism	LINK	Market innovation	Sustainable Tourism	Croatia, Italy

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
IDA	14	**Heritage for Innovative and Sustainable TOurist Regions in Italy and Croatia**	Innovative tools following a common approach including Augmented Reality, virtual and web applications of touristic product and social route tracking to contribute to the development of a responsible, sustainable and innovative tourism	Innovative tourism product	LINK	Production innovation	_Multiple sectors (a combination of other listed options)	Croatia (Medulin), Italy
IDA	15	**KulTourSpirit – Revitalizacija kulturne baštine putem Inspirit iskustva**	Valorisation of protected cultural and historical heritage of Istria, with emphasis on encouraging the development of the central part of the Istrian peninsula, designed by a unique integrated management program, guided by the concept of an innovative tourism product "storytelling" and "revival of history", with the aim of developing the tourist offer for all 365 days of the year	Innovative tourism product	LINK	Production innovation	Sustainable Tourism	Croatia (Istria)

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	16	**Greenkayak**	Jumping aboard a Greenkayak for free under two conditions: spend your time on the water collecting waste and share the experience on the social media.	Sustainable Initiative	LINK	Responsible Tourism	Sustainable Tourism	Europe
FVGAR	17	**Pikala Bikes**	Unforgettable bicycle experiences and empower young Moroccans for a better future 45 employees, 23000 children educated, 400000 participants in cycle events	Inclusivity, community oriented, focused on childern	LINK	Citizens' engagement	Responsible and regenerative tourism	Marrakech and Agadir (Morocco)
FVGAR	18	**Pay your bus ticket with plastic cups or bottles**	Residents of Surabaya are encouraged to bring their plastic bottles in exchange for free bus travel. The bottles pass to auction for recycling	Responsible behaviour, Mindset change and reward	LINK	Free public transportation and locals engagement	Sustainable cities	Surabaya (Indonesia)
FVGAR	19	**Seabin to clean the canals of Copenhagen**	A floating dustbin collecting unwanted waste and particles, including micro plastics and oil particles	Seabins have been placed in Sweden and Denmark to improve the environment of the Baltic Sea .	LINK	Innovative Technology	Responsible and regenerative tourism	Sweden and Denmark

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	20	**Happy whale**	Happy whale engages citizen scientists and tourists to identify individual marine mammals for fun and science	Ecotourists to become scientists by watching whales can submit photos of a marine mammal encounter. Happywhale identify the whales and tracks them around the world.	LINK	Citizens' engagement	Regenerative, responsible and experiential tourism	USA
FVGAR	21	**Plastic whale**	The world's first plastic fishing company	The company lets locals and tourists go on an unconventional fishing trip : angling plastic and sending it to reuse and recycle.	LINK	Circular economy	Responsible and regenerative tourism	Netherlands

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	22	**Closed for maintenance**	Faroe Islands closed for maintenance and opened for voluntourism	The islands invite every year 100 volunteers from all over the world to help in restoring and maintaining selected sites working alongside with the locals. The projects are chosen on local communities wishes . The voluntourists get free board and lodging.	LINK	Citizens' engagement	Responsible tourism	Denmark
FVGAR	23	**Kindtraveler**	It is a hotel collection program all over the world, every guest stay funds local charities.	The program launched in September 2023 with 15 boutique hotels (August 2024: 32 lodgings) all over the world. The project fuels responsible tourism.	LINK	Charity for sustainable and responsible tourism	Responsible tourism	Worldwide
FVGAR	24	**Travelandclimate**	Platform to calculate trip impact	A tool to calculate the travel impact according to means of transportation, accommodation etc-	LINK	Innovative Technology	Environmental Preservation	Sweden

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	25	**Treeday**	An app that maps sustainable companies in the immediate vicinity and rewards sustainable behaviour with treecoins to be used in sustainable companies. It supports sustainable business and provides incentives for sustainable consumption.	It supports sustainable business and provides incentives for sustainable consumption.	LINK	Rewards sustainable behaviour	Technology	Austria
FVGAR	26	**Meetgreen**	Online meet green calculator	Sustainable event management agency for ISO 20121	LINK	MICE industry	Technology	Worldwide
FVGAR	27	**Planet positive event**	A go-to-web- based assessment platform designed by event organizers	Sustainable event management platform and measurement tool	LINK	MICE industry	Technology	Slovenia
FVGAR	28	**Joyinplayce**	A platform for experiential tourism	Developing experiences in tourism in an unusual way. The tourist is the actor of his experience, not just story telling but story living	LINK	Sustainable tourism with story living	Sustainable Tourism	Italy

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	29	**GSTC**	Certification of sustainability for hotels, destinations, meetings	The international regulation to follow the sustainability process. In FVG the first albergo diffuso certified GSTC	LINK	Sustainable Tourism certification	Sustainable Tourism	Italy
FVGAR	30	**Sustain-t.eu**	An EU PROJECT to enhance The sustainability performance of SMEs	Developing networking and collaboration for a sustainable tourism with self assessment tools	LINK	Sustainable tourism platform	Sustainable Tourism	Europe
FVGAR	31	**#moNOuse**	Monouse events : organizing events without disposal materials	Manifesto of moNouse according to the European regulations	LINK	MICE industry	Sustainable Tourism	Europe
FVGAR	32	**Digitalize**	Enhancing Tourism Resilience through Digital Solutions	INTERREG Project for digitalization	LINK	Innovative Technology	Sustainable Tourism	Europe
FVGAR	33	**CER**	Renewable Energy Community	The first seaside resort using renewable energy community. Citizens as prosumers and energy consumers	LINK	Citizens' engagement	Sustainable cities	Italy

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	34	***UNDerwatER Soundscape beyond Ais***	European Project Italy Croatia 2024 - 2026 (Partner ARPA FVG). The UNDERSEA project aims to enhance sustainable growth in the Adriatic Sea region by improving the cross-border monitoring, evaluation, and mitigation of human-generated underwater noise pollution.	Building on the achievements of the SOUNDSCAPE project, UNDERSEA expands data collection and integrates innovative modelling techniques to further improve understanding and management of underwater noise pollution in the Adriatic Sea.	LINK	Innovative Technology	Environmental Preservation	Italy - Croatia
FVGAR	35	**Climate refugees**	Climate refuges are accessible indoor or outdoor spaces, which offer a “thermal relief” for city residents during heatwaves and other extreme climate events.	They are small-scale, urban design interventions, which through green (vegetation), blue (water) and grey measures (improvements in built infrastructure), act as cool islands, helping citizens cope with climate change at the neighbourhood scale.	LINK	Inclusivity	Infrastructure	Spain

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	36	**Ecological footprint calculator**	The Ecological Footprint is the only metric that measures how much nature we have and how much nature we use	Tool for a self sustainable assessment	LINK	Innovative Technology	Environmental Preservation	Worldwide
FVGAR	37	**Healix**	A company that by transforming plastic waste, predominantly from the fishing and farming sectors, into certified polymers, paves the way for a circular future.	Company involved in the circular economy founded in 2021 in Maastricht. The innovative process converts used nets, ropes, and other forms of plastic waste into valuable materials for the global manufacturing supply chain. The products are designed for sustainability, fitting seamlessly into both closed-loop (fiber-to-fiber) and open-loop applications.	LINK	Circular economy	Technology	Europe

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
FVGAR	38	**PlastSafi**	Safi is the word in Swahili for clean , PlastSafi organises monthly clean ups along the creed and pays waste pikers to collect plastic bottles and other waste for recycling, volunteers planting mangroves in the landfills.	Government strategy to achieve decrease of plastics in the water stream Plastics have fallen from 20% of Mombasa's waste stream to just 6% since 2022 (recent survey of the European Investment bank)	LINK	Blue economy with government strategy	Stakeholders engagement	Kenya
IRIC	39	**Biomania**	Organic 100% plant-based restaurant	Local supply chain	LINK	Process innovation	Gastronomy	Croatia
IRIC	40	**Supmaran**	Paddleboart boating - Electric boat	Incrementive innovation, (sup board, electric outboard motor)	LINK	Innovative Technology	Maritime Transportation	Switzerland
IRIC	41	**Creatives4Climate**	Transnational NGO	Change of attitude - Peer Exchange	LINK	Management model	ICT - Digital platform	Netherlands
IRIC	42	**ECO cube**	Collection of black water on sea	Nautical tourism infrastructure	LINK	Innovative Technology	Maritime environment	Croatia
IRIC	43	**Project O2**	Planting trees with drones	Environmental initiative	LINK	Management model	Environmental Preservation	Croatia

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
IRIC	44	**Liquid3**	Liquid trees as air purifiers	Smart technology	LINK	Innovative Technology	Public infrastructure	Serbia
IRIC	45	**Aqualex**	Public water dispensers	Promoting reusable bottles	LINK	Process innovation	Public infrastructure	Belgium
IRIC	46	**Sustainable travel offers**	Slow tourism	Fighting overtourism	LINK	Process innovation	Sustainable Tourism	Croatia
TNO	47	**EU4Ocean Coalition**	A consortium of 13 partners across Europe	Sensitization at large scale	LINK	Engagement process	Maritime environment	Europe
TNO	48	**HACK4OCEANS II**	Youth Innovation Event	Youth engagement and co-creation processes	LINK	Engagement process	Maritime environment	Europe
TNO	49	**Sponge cities**	Public policy for urban protection	Redesign of public spaces that could help in the retention or redirection of floodwaters	LINK	Policy innovation	Public infrastructure	Denmark
TNO	50	**Blue Tourism Initiative**	public – private – civil society alliance	multi-stakeholder innovation program	LINK	Process innovation	Sustainable Tourism	France
TNO	51	**S.E.WA.T.**	Sustainable Energy by WAves Trap	Smart technology	LINK	Innovative Technology	Maritime environment	Italy

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
TNO	52	**Barcelona's Blue Economy Strategy**	8 lines of action ranging from the promotion of employment, entrepreneurship, or innovation, to international promotion or urban resilience, always with a sustainable aspect, and promotes 15 projects and 43 measures.	Boost and promotion of the blue sectors as a new economic hub for the city	LINK	Policy innovation	Environmental Preservation	Spain
TNO	53	**MedSkippers**	sustainable professional network of professional skippers	improve training and recognition of professional skippers of small commercial vessels and with the ultimate goal of boosting charter and nautical tourism	LINK	Skills improvement	Maritime Transportation	Spain
TNO	54	**Jonian Dolphin Conservation**	scientific organization conducting research on the cetaceans in the Gulf of Taranto	citizens science initiatives and school engagement	LINK	Engagement process	Maritime environment	Italy
TNO	55	**EcoFesta**	toolkit of actions for companies and event organizers to evaluate and undertake green activities	citizens' awareness	LINK	Circular economy	Environmental Preservation	Italy

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
TNO	56	**Alegina**	porcelain objects produced using oyster shell waste	Smart technology	LINK	Innovative Technology	Circular economy	France
TNO	57	**Gal Terre di Mare**	Puglia Region has issued a notice for the selection of Local Fisheries Action Groups and participatory local development strategies. Gal Terre di Mare will apply to the notice	has activated an exploratory process in the territories to gather the needs of fishing operators	LINK	Policy innovation	Maritime environment	Italy
TNO	58	**Relicta Bioplastics**	water-soluble bioplastic material obtained from fish processing waste and suitable for packaging solutions	Young team; public and private investments received	LINK	Innovative Technology	Circular economy	Italy
TNO	59	**SKILLS project**	High LEVEL and market-respondent Competences for a Blue and Digitalized “Smart and skilled South Adriatic”	Strategic project funded by IPA South Adriatic programm	LINK	Skills improvement	Competencies	IPA South Adriatic

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
TNO	60	**Acquedotto Pugliese - TVA web tv**	In 2023 AQP created TVA, the first thematic web TV on water issues. An experiment that has consolidated into an information channel that gives constant voice to Water, the Environment, the Green and Blue Economy. On TVA you can find in-depth articles, discussions on innovation, sustainability, international cooperation and the circular economy.	citizens' awareness	LINK	Policy innovation	Environmental Preservation	Italy
TNO	61	**Accessible Greece**	web platform to highlight the accessible tourism in Greece	uses ICT to promote accessible tourism in Greece, upgrading the services provided to the visitors with reduced mobility	LINK	Innovative Technology	Accessibility	Greece
INOVACIJA	62	**Ilirija d.d.**	Sustainability and green economy, sustainable environmental impact, green mobility	Green sea mobility sector, sustainable tourism	link	Innovative Technology	_Multiple sectors (a combination	Croatia

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
							of other listed options)	
INOVACIJA	63	**Tankerska plovidba d.d.**	Safety, Quality,Energy and Environmental Protection Policy, Inteligent Transport System	Green sea mobility sector, energy efficiency	link	Innovative Technology	Maritime Transportation	Croatia
INOVACIJA	64	**Marina Dalmacija D-Marin**	Blue flag + TYHA Clean Flag accreditation, Sustainable management of the sea and coastal zone	Green sea mobility sector, energy efficiency	link	Innovative Technology	_Multiple sectors (a combination of other listed options)	Croatia
INOVACIJA	65	**Marina Kornati**	Blue Flag / Sustainable management of the sea and coastal zone	Green sea mobility sector, energy efficiency	link	Innovative Technology	_Multiple sectors (a combination of other listed options)	Croatia
INOVACIJA	66	**MARINA BORIK D-Marine**	Blue flag + TYHA Clean Flag accreditation, Sustainable management of the sea and coastal zone	Green sea mobility sector, energy efficiency	link	Innovative Technology	_Multiple sectors (a combination of other listed options)	Croatia

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
INOVACIJA	67	**Falkensteiner Hotels & Residences**	Sustainability and green economy, environmental impact and preservation waste reduction by recycling the use of desalinated sea water for the needs of the spa area and garden maintenance, smart management	Green sea mobility sector, sustainable tourism	link	Management model	_Multiple sectors (a combination of other listed options)	Croatia
INOVACIJA	68	**Zaton Holiday Resort**	The Green Key certificate, Sustainable and smart management of the coastal zone	Energy-efficiency, Green technology, Coastal tourism	link	Sustainable Tourism certification	_Multiple sectors (a combination of other listed options)	Croatia
INOVACIJA	69	**Cromaris**	ASC certificate, Preservation of biodiversity, Management of waste and by-products, sea protection	Energy efficiency	link	Innovative Technology	Maritime environment	Croatia
INOVACIJA	70	**Hotel Kolovare**	Smart management	Sustainable tourism	link	Management model	_Multiple sectors (a combination of other listed options)	Croatia

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
INOVACIJA	71	**Hotel Bastion**	Environmental Protection Policy	Sustainable tourism	link	Management model	_Multiple sectors (a combination of other listed options)	Croatia
INOVACIJA	72	**Boutique Hostel Forum**	Environmental Protection Policy	Sustainable tourism	link	Management model	_Multiple sectors (a combination of other listed options)	Croatia
INOVACIJA	73	**Kino Zona Zadar**	Natural and cultural heritage management	Cultural heritage management	link	Process innovation	Culture	Croatia
INOVACIJA	74	**Camp Park Soline**	The Green Key certificate crowns, Smart management	Environmental protection, Green technology, Coastal tourism	link	Management model	Sustainable Tourism	Croatia
INOVACIJA	75	**G&V Line Iadera d.o.o.**	Inteligent Transport System in progress	Green sea mobility sector, sustainable tourism	link	Innovative Technology	Maritime Transportation	Croatia

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
VHC	76	**Clean Air Action Plan**	Reduce pollution from every source in the harbor	Local supply chain	LINK	Management model	Maritime Transportation	USA
VHC	77	**The Oyster Project**	Develop circular solutions for the regeneration of the sea environment and ecosystem	Environmental Initiative	LINK	Management model	Environmental Preservation	Italy
VHC	78	**Beach Robot**	Innovative technology to clean up the beaches	Smart Technology	LINK	Innovative Technology	Environmental Preservation	Netherlands
VHC	79	**Sundisp**	Automatic distributor of sunscreen	Reducing plastic use	LINK	Innovative Technology	Tourism service	Netherlands
VHC	80	**Nolimbah**	Mobile App to manage waste	Reducing Waste	LINK	Innovative Technology	Environmental Preservation	Bali, Indonesia
VHC	81	**Methanol propulsion for ferries**	Use of methanol as an alternative, low-emission fuel	Nautical Tourism	LINK	Alternative fuel	Maritime Transportation	Northern Sea
VHC	82	**Monitour**	Build an integrated model to measure and monitor the development of sustainable tourism	Environmental Initiative	LINK	Management and monitoring system	Sustainable Tourism	Portugal

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
VHC	83	**DistSense**	Supporting municipalities to optimize waste collection and management processes	Reducing Waste	LINK	Innovative Technology	Environmental Preservation	Czech Republic
VHC	84	**Beyond the Sea**	Using kites to move boats of every dimension	Using kites to move boats of every dimension	LINK	Innovative Technology	Maritime Transportation	Worldwide
VHC	85	**WasteShark**	Water-cleaning robot	Reducing Waste	LINK	Innovative Technology	Environmental Preservation	Singapore
VHC	86	**Pelikan**	Water-cleaning zero emissions boat	Reducing Waste	LINK	Innovative Technology	Environmental Preservation	Italy
VHC	87	**Koukoumi Hotel**	Ensemble of sustainable practices for tourism firm	Sustainable tourism	LINK	Process Innovation	Sustainable Tourism	Greece
VHC	88	**Steh Hotels**	Sustainable improvements for tourism firms	Sustainable tourism	LINK	Management Model	Sustainable Tourism	Spain
VHC	89	**Lake Lucerne Navigation Company**	Building a sustainable fleet	Nautical Tourism	LINK	Innovative Technology	Sustainable Tourism	Switzerland

PP	#	Name	Short descripion	Key Feature	Link	Innovation type	Sector elaboration	Location
VHC	90	**Manta**	Ship designed to collect and repurpose large volumes of plastic	Smart technology/Environmental protection	LINK	Innovative Technology	Environmental Preservation	South East Asia
VHC	91	**Silent Yacht**	Solar-powered yachts	Smart Technology	LINK	Innovative Technology	Maritime Transportation	Italy
VHC	92	**Retracking Programme**	Promote the development of circular economy by recycling fiberglass	Sustainable Initiative	LINK	Process Innovation	Environmental Preservation	Italy and Slovenia
VHC	93	**Fabiani yacht**	Solar-powered yachts	Smart Technology	LINK	Innovative Technology	Maritime Transportation	Italy