





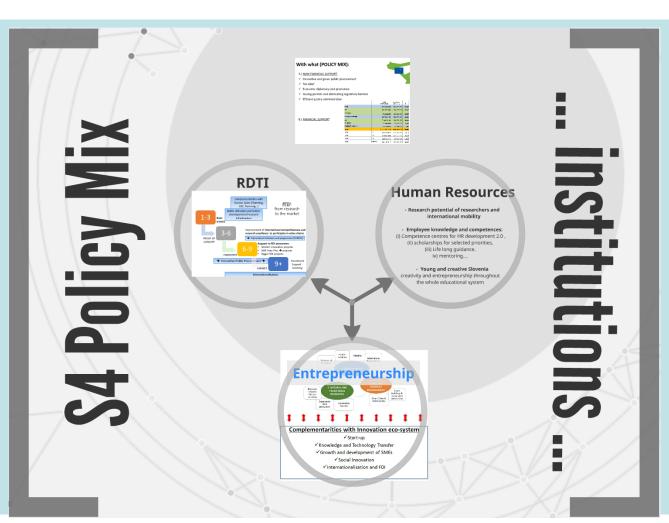
	Table of priorities of the Slovenian Smart Specialisation Strategy (S4) and related focus areas and technologies									
	Smart cities and communities	Smart buildings and homes, including wood chain	Networks for the transition into circural economy	Sustainable food production	Sustainable Tourism	Factories of the Future	Health - Medicine	Mobility	Materials as end products	
5 - - - -	Health	Wood and wood chain	Sustainable energy	Raw materials and sustainable use of resources	Information support for marketing and networking	Robotic systems and components	Translational medicine	Systems for e-mobility and energy storage	Steels and special alloys	
	Smart devices, sensors and in tele-health	New wooden materials and composits to enable larger wood utilisation	Energy utilization of waste material flows (WtE)	Quality management of raw materials	Digital solutions in communicating with tourists	Building new robots	Central nervous system disorders	Systems and devices for the main electrical drivers of vehicles	Ultra-pure steels and alloys	
	Smart curative	Materials and techniques to enable building construction that is environmentaly friendly, energy efficient and built to withstand earthquakes	Optimizing energy and material efficiency	Reducing environmental impacts	Digitalisation of tourism products	Innovative Intelligent and Sensor-Supported Robotic Applications (advanced machine vision)	Regenerative medicine	Systems and devices for auxiliary electrical drives for vehicles	High-strenght steels and their transformation	
	Digital health	Wooden windows, doors and lining with improved functional properties and built-in sensorics for most demanding applications	External sources of energy	Risk management	ICT for business optimization	Inteligentni senzorji in aktuatorji za potrebe robotike	Development of advanced medical products and new delivery systems	Energy storage systems and devices and 'thermal management'	Advanced metal materials for demanding applications	
	Smart systems of integrated health and care	New business models with permanent planning of furniture user	New business models	Introduction of circular economy principles	Knowledge for enhancing the quality of services	Development and marketing of flexible and cooperative robotic cells	Rare diseases	Niche components and systems for cleaner and more efficient internal combusition engines	Aluminium	
		Design and planning services to enable reuse and/or recycling of			200 NO - 200	Advanced photonic technologies and intelligent			Addinida	
	Energy and other supply Conversion, distribution and management of energy	products	Biomass and alternative raw materials	Smart process planning and process control	Internal quality service systems Technological solutions for the sustainable use of	laser systems for factories and clinics of the future	Smart medical devices and devices aimed at improving the quality and	Advanced systems and devices for data capture Advanced drivers and actuators for environmentally-friendly internal	New high-strenght and ultra-pure AI alloys Alternative manufacturing methods and maximum recycling of	
	control sold, discharge in a management of cities gr	Smart devices New products in the field of cooling, ventilation, air conditioning,	Sustainable mobilisation of biomass	Strategic management of supply chains	resources in accommodation facilities	Special laser sources	safety of the life older people	combusition engines	Al	
	Comprehensive support for the implementation of water services	heat pumps and heat and cold storage, with the aim of higher efficiency and higher energy efficiency	Ligno-cellulose biorefinery for the isolation of extracts and polymeric building blocks of biomass	Optimization	Sustainable use of resources	Intelligent Laser Systems for Digital Processing of materials	Resistant bacteria	Advanced integrated components	Die cast Al alloys	
	Mobility, transport and logistics	Systems for (co) production of electricity or fuels in/on buildings with a high degree of integration into the buildings' envelope	Biorefinery for alternative raw materials	Automation and robotization	Waste management	Smart medical laser devices	Antibacterial agents in materials	Systems and components for safety and comfort	Technology	
	infrastructure, smart algorithms, integration with ICT	Devices for treatment of drinking water, black water and rainwater to the extent which would enable water re-use	Secondary raw materials	Digitalisation	Technological solutions for e-mobility	Next-generation optical fibers	Biopharmacology	Actuator systems	Rapid prototyping and additive technologies	
Vertical	Building blocks of digital mobility in smart community	A new generation of household and professional appliances and devices and systems with improved functionality and connectivity	Processing of industrial and construction waste	Advanced equipment and technologies for production and processing of food	Technological solutions and security	(High-tech automated) smart plasma systems (for continuous production)	Biopharmaceutical production	Electronic and sensor systems	Recycling (metallic materials, rare earths, composites, auxiliary materials, by-products)	
	Business models, platforms, sharing economy, shared transport services	Advanced devices for interior, lighting and communication and user support deviceswith applying new technologies	Processing biowaste into valuable products	Agricultural production	Technological solutions in smart buildings	Multi-component plasma system for continuous production of condensers and similar products	Development of new biological medicines and vaccines	Active-passive structural components	Advanced casting technology	
	Security	Active management of buildings	Circural economy of the material flow of electrical and electronic equipment waste	Manifacture of food products	Green Slovenian tourist scheme	Advanced sensors for real-time measurement of plasma processes	Natural medicines and cosmetics	Advanced transport and logistics including business models	Modern technologies for processing polymers and hybrid materials	
	Next-generation operating systems for ensuring safety in cities and ocal communities	Ensuring component connectivity	Waterwaste treatment technologies and extraction of materials and energy from them	Storage and distribution	Management of natural assets and cultural heritage	Plasma reactor for rapid modification of surface properties of larger components	Medical products of plant origin	Sharing economy	Multicomponent smart materials	
	Next-generation system for reciving and handling emergency calls	Active management systems with decision logic	Functional materials	Advanced materials	Development of innovative and sustainable supply and smart management	Advanced sensors	Natural food supplements and cosmetics	Logistic optimization and transport management	Multi-component smart fibers and textiles	
	Smart city control systems	Adaptive self-learning device models	Sustainable composits	Hygiene, safety and food quality	Development of green and responsible tourism products	Advanced micro and nano sensors for process control	Development of medicines from cannabis	Business models for providing flexible personalized green mobility services	Composites	
	Operational-tactical security centre of tactical operational level	Accessories for services systems and business models in the context	Co.						Functional coatings and advanced binders (for	
		of active building management	Advanced packaging/materials	Hygiene and safety		3D sensor systems Smart nano / bio / kemo sensors in the environment, industry	Treatment of cancer Development of new therapeutic approaches (genetic, proton and cell	Advanced infrastructure	metals)	
	The quality of urban living Analytical platform for planning, monitoring and managing	Advanced non-biogenic construction products	Processes and technologies	Quality		and medicine	therapy)	Digitalized and integrated infrastructure	Resins and binders	
	environment	Smart almost passive houses	Bio-based green chemicals and packaging materials	Tracebility		Advanced materials	Personalized advanced therapy medicines	Charging infrastructure	Smole in veziva	
	Smart city ecosystem	Advanced load-bearing construction ellements and systems	Processes for the production and processing of polymers	Legal and regulatory framework		Magnetic materials with a minimum quantity of rare earths		Introduction of advanced materials and technologies through the automation of production processes		
	Open integration platform for connecting and developing more comprehensive solutions and common services	Multifunctional elements and systems for building envelope	Biotehnološko proizvedene spojine	Food, diet and the consumer		Environmentally friendly materials for protective elements in electrical engineering and electronics				
		Specialni zaščitni in zaključni materiali, elementi ter sistemi	Improved production equipment with guidence	Consumer behavior		Functional coatings				
		Materials, elements and systems for a better quality interior environment	Continuous production of compounds	Consumer perception		Intelligent management systems				
			New production equipment with guidence	Food and health		Smart actuators				
			Circural business models	Food and tourism		Distributed management systems and IoT				
			Sustainable processes and networks			Intelligent Production Management Systems (MES-MOM)				
						Diagnostics, prognostics and self-maintenance of smart				
						machines and processes				
						Development of modern tools and building blocks for the management and control of systems and processes				
						Smart Mechatronic Tools				
						Smart Mechatronic Tool as Final Product				
						Linking simulation tools with manufacturing machines to optimize production processes				
						Advanced production process and prototype technologies				
						Smart factories				
						Optimal (individualized) comprehensive solutions for the implementation of smart factories				

Energy Transitions/Industry 4.0/Adaption to Climate Changes Related Activities with regards to your MA Responsibilities I

- Energy Transition is covered partially in Smart cities and communities value chain on smart grid and partially in Circular Economy value chain on sustainable energy. Climate Adaptation is dealt with under Industry 4.0 and Circular Economy pillars
- Please highlight if there are research and innovation strategies for smart specialisation (RIS3) under TO1 aligned with mentioned areas. Resolution on the National Research and Development Programme and the National Plan for Research Infrastructure underpinn energy and climat change in its vision statement. Following ESFRI pillars, a range of research infrastructures have been selected for funding such as INNORENEW. Slovenia takes part in ESFRI projects LifeWatch, EPOS, eLTER, CERN, CTA etc.
- Please mention if there are other funding sources (than ESIF) financing projects in these mentioned areas.
 National Budget, H2020 FP.
- All S4 priorities are supported by S3 tailor made Strategic research and Innovation Partnerships SRIPs, representing quadruple helix cooperation based on balanced governance regarding SME, large companies and public ROs following the principle of open membership.

Energy Transitions/Industry 4.0/Adaption to Climate Changes Related Activities with regards to your MA Responsibilities II

- Please provide brief information on your countries'/regions' activities under other Thematic Objectives (than TO1) with regards to these areas (Energy Transitions, Climate Adaption, Industry 4.0 and Circular Economy). Slovenia's S4 governance provides for robust system to streamline S4 priorities in other TOs, particularly TO3 and TO10.
- Please share your ideas on the horizontal impacts of the investments taken place under different Thematic Objectives (if relevant). Particularly, do you think that investments under TO1 affect/reflect to other investments under different TOs (from TO2 up until TO11)?





Activities Undertaken under the EIT KICs Networks and/or EIT Regional Innovation Scheme (EIT RIS)

- Please explain if organisations from your country/region are involved in projects of EIT Knowledge and Innovation Communities (if relevant).
 - Slovene partners take part in KIC Raw Materials, Climate and Food.
- If not, please mention your ideas for future collaboration with EIT KICs (e.g. mobility schemes, fostering entrepreneurship, education programmes, research and innovation etc.).
 - Slovene partners, SRIP members, are involved in pending KIC Manufacturing and will partner for application on open call for KIC Urban Mobility.



Critical Success Factors

- In line with the previous slides, please mention what the critical success factors are in order to achieve effective collaborations with EU bodies/schemes. Public administration capacity to implement beyond state of the art solutions within infrastructure investments.
- Please explain what are the long term expectations for mayor system change in your country/region regarding low carbon economy. Improved capacity for Implementation of PPPs and Innovative public procurement to enable effective implementation of Pilot Project designed by S4 SRIP.
- Do MAs need support on these areas; (1) the strategic planning/understanding (2) co-finance mechanisms and (3) procurement issues? Please briefly explain the type of support that can improve your performance. The existing support mechanisms enhancing RIS Industrial modernisation platform are a good example of flexible and quickly adaptable measures on European level ranging from scoping exercises to financing protocols. In this respect we look forward to pending facility Industrial Modernisation Pilot.

