

No.	Name of protocommunity	Mission	Coordinator	Coordinator email	Co-coordinator	Co-coordinator email	International contact	International contact e-mail	NUMBER OF PARTICIPANTS	NUMBER OF SCHOOLS
1	WATER in an era of change	To coordinate teaching and research activities to provide multidisciplinary solutions to Society's key water concerns in an era of change.	Carlos Alonso González	<a href="mailto:carlos.alonso@upm.es">carlos.alonso@upm.es</a>	Carlos Paredes	<a href="mailto:carlos.paredes@upm.es">carlos.paredes@upm.es</a>			50	6
2	Circular EELISA Community	Developing resources for an integral approach towards Circular Economy by addressing socio-civic competence gaps in future professionals.	Justo García Navarro	<a href="mailto:justo.gnavarro@upm.es">justo.gnavarro@upm.es</a>			Justo García Navarro	<a href="mailto:justo.gnavarro@upm.es">justo.gnavarro@upm.es</a>	33	6
3	Health in the City	To create a community to train new generation of professionals on the technologies, processes and data analysis to lead the fight against the health challenges faced by EU cities.	Patricia Sánchez González	<a href="mailto:p.sanchez@upm.es">p.sanchez@upm.es</a>	Teresa Sánchez Chaparro	<a href="mailto:teresa.sanchez@upm.es">teresa.sanchez@upm.es</a>	Patricia Sánchez Teresa Sánchez	<a href="mailto:p.sanchez@upm.es">p.sanchez@upm.es</a> <a href="mailto:teresa.sanchez@upm.es">teresa.sanchez@upm.es</a>	66	10
4	Egalitarian Societies: Opportunities for Everyone (ES: O4E)	To promote social equality by carrying out real/social projects involving students' educational aspects related to responsibility and sustainability for the practice of their profession	Consuelo Fernández Jiménez	<a href="mailto:consuelo.fernandez@upm.es">consuelo.fernandez@upm.es</a>	Javier García Martín	<a href="mailto:javier.garciam@upm.es">javier.garciam@upm.es</a>			72	10
5	SSERIES (Science for a Sustainable Envision of Reality and Information for an Engaged Society)	To envision a sustainable reality through mathematics and other basic sciences, to transfer scientific knowledge and to fight misinformation about science, engineering and technology	María Dolores López González	<a href="mailto:marilo.lopez@upm.es">marilo.lopez@upm.es</a>	María Jesús Vázquez Gallo	<a href="mailto:mariejesus.vazquez@upm.es">mariejesus.vazquez@upm.es</a>	Danilo Magistrali	<a href="mailto:danilo.magistrali@upm.es">danilo.magistrali@upm.es</a>	35	10
6	EELISA on-the-MOVE	To create a multidisciplinary academic learning-by-doing environment aimed to face challenges of sustainable and inclusive cities through mobility planning.	Andrés Monzón de Cáceres	<a href="mailto:andres.monzon@upm.es">andres.monzon@upm.es</a>					19	6
7	The CIRCULAR and REGENERATIVE CAMPUS (CRC community)	Our campus and stakeholders (value chains; NGOs; local communities) as a demo of real circular economy that is technically viable, economically profitable and socially inclusive by design	Ruth Carrasco Gallego	<a href="mailto:ruth.carrasco@upm.es">ruth.carrasco@upm.es</a>			Juan de Juanes Márquez, Rocío Rodríguez Rivero, Ruth Carrasco	<a href="mailto:juandeluanes.márquez@upm.es">juandeluanes.márquez@upm.es</a> <a href="mailto:rocio.rodriguez@upm.es">rocio.rodriguez@upm.es</a> <a href="mailto:ruth.carrasco@upm.es">ruth.carrasco@upm.es</a>	38	7
8	Smart, Green & Clean Neighborhood: Transformation and Decarbonization Neighborhood by Neighborhood	The evolution and decarbonization of cities through the experimental design of smart solutions to transform neighbourhoods into welcoming and sustainable spaces, in a natural and social manner.	Margarita Martínez Núñez	<a href="mailto:margarita.martinez@upm.es">margarita.martinez@upm.es</a>	Agustín Vaqueo Panadero	<a href="mailto:agustin.vaqueo@upm.es">agustin.vaqueo@upm.es</a>	Rubén Fraile	<a href="mailto:r.fraile@upm.es">r.fraile@upm.es</a>	35	9
9	Ethics, Social Commitment and Entrepreneurship	Strengthen ethical values education and soft competencies that enable to face "global" societal challenges, collaborating with other social agents, through curricular and co-curricular initiatives	Rafael Miñano Rubio	<a href="mailto:rafael.minano@upm.es">rafael.minano@upm.es</a>	Domingo Alfonso Martín Sánchez	<a href="mailto:domingoalfonso.martin@upm.es">domingoalfonso.martin@upm.es</a>			44	13
10	DISCOVERY: Designing a Sustainable and deCarbonized UNiVERity	Stimulate the generation of knowledge, exchange of learning and collaboration among interdisciplinary students and faculty, via demonstration actions aimed at accelerating University transformation.	Francesca Olivieri	<a href="mailto:francesca.olivieri@upm.es">francesca.olivieri@upm.es</a>	Álvaro Gutiérrez Martín	<a href="mailto:a.gutierrez@upm.es">a.gutierrez@upm.es</a>	Álvaro Gutiérrez Martín	<a href="mailto:a.gutierrez@upm.es">a.gutierrez@upm.es</a>	89	10
11	IndustrialDesign4Human: Industrial design and innovation for sustainable human welfare	To empower human beings and improve quality of life through industrial design, innovation, creativity and visionary thinking to generate efficient products and services to cover daily needs.	Raquel Cedazo León	<a href="mailto:raquel.cedazo@upm.es">raquel.cedazo@upm.es</a>	"CRISTINA ALIA GARCIA"	<a href="mailto:cristina.alia@upm.es">cristina.alia@upm.es</a>			115	11
12	Advanced Materials for a Sustainable Future	To support innovation for the design, development and upscaling of novel or enhanced materials and devices that can boost the transition to greener technologies and contribute to a sustainable future	José María Ulloa Herrero	<a href="mailto:josem.ulloa@upm.es">josem.ulloa@upm.es</a>					50	9
13	TECHNICAL AND SOCIAL CHALLENGES FOR SUSTAINABLE BUILDINGS, CITIES AND COMMUNITIES SUSTAINABLE BCC	Foster a European university ecosystem to leverage synergies to innovate and educate by stimulating technical and social challenges for more efficient and sustainable buildings, cities and communities.	Sergio Vega Sánchez	<a href="mailto:sergio.vega@upm.es">sergio.vega@upm.es</a>	Soledad García Morales	<a href="mailto:soledad.garcia@upm.es">soledad.garcia@upm.es</a>	Sergio Vega Sánchez	<a href="mailto:sergio.vega@upm.es">sergio.vega@upm.es</a>	68	8
14	Data4Good: Openness, Ethics, Resilience and Governable use of Data	Fostering the generation, the access to, and the use of Open Data under ethic and non-discriminatory criteria, and contributing to solve societal impact challenges in today's digital society	Fernando Pescador del Oso	<a href="mailto:fernando.pescador@upm.es">fernando.pescador@upm.es</a>					35	4
15	Society Transition towards Digitalization and Energy decarbonization	Analysis of the transition towards a decarbonised energy system and Industry 5.0 towards sustainability for a human, just, technologically feasible, economically viable transformation	Alberto Abanades Velasco	<a href="mailto:alberto.abanades@upm.es">alberto.abanades@upm.es</a>	Joaquín Ordieres	<a href="mailto:j.ordieres@upm.es">j.ordieres@upm.es</a>	Alberto Abanades (Energy), Joaquín Ordieres (Digitalization, Industry 5.0)	<a href="mailto:alberto.abanades@upm.es">alberto.abanades@upm.es</a> <a href="mailto:j.ordieres@upm.es">j.ordieres@upm.es</a>	40	8
16	Technology Diplomacy & International Cooperation	Make EELISA a key stakeholder of EU tech diplomacy, providing training on geopolitics of technology and its impact on society and building an ecosystem to enhance EELISA's role in international action.	José Miguel Atienza Riera	<a href="mailto:josemiguel.atienza@upm.es">josemiguel.atienza@upm.es</a>	Manuel Sierra Castañer	<a href="mailto:manuel.sierra@upm.es">manuel.sierra@upm.es</a>			71	13
17	GREEN PLANET	Preserving our Green Planet with intelligent technology, Healthy Forest & Agricultural Lands and Greener Cities with a Zero Hunger Goal	Alicia Palacios Orueta	<a href="mailto:alicia.palacios@upm.es">alicia.palacios@upm.es</a>	Silvia Merino de Miguel	<a href="mailto:silvia.merino@upm.es">silvia.merino@upm.es</a>			61	9
18	AI4manufacturing	The mission of the EELISA-Community AI4Manufacturing is to improve Europe's mid and long-term competitiveness by utilising the opportunities that the technologies surrounding artificial intelligence (AI) offer in the field of manufacturing. We aim to integrate AI technologies with advanced manufacturing systems in order to create robust and resilient industry processes and develop new services and business models that these technologies facilitate. Our goal is to create sustainable competitive advantage by advancing the application of AI in manufacturing. We therein consider organisational, technological, social and economic factors to be at the for front of AI application in industrial settings.	Julius Kirschbaum	<a href="mailto:julius.kirschbaum@fau.de">julius.kirschbaum@fau.de</a>						
19	European Knowledge Graph Engineer	Defining the requirements and the being of an European Knowledge Graph Engineer First objectives of this community could be: - Matching relevant skills for Knowledge-Graph(KG) engineering to a scale, similarly to the Common European Framework of Reference for Languages (CEFR, A1 - C2) - Based on this scale, developing basic, advanced and expert lectures concerning KG engineering on a European level - Organizing phd symposia and meetings on a European level.	Christian Fleiner	<a href="mailto:christian.fleiner@fau.de">christian.fleiner@fau.de</a>	Oscar Corcho	<a href="mailto:ocorcho@fi.upm.es">ocorcho@fi.upm.es</a>				
20	AI4digitalhumanities	Piloting projects: AI in Education Language to Knowledge Graphs - Towards better Artificial Intelligence Neuro-symbolic learning	Pascal Zoloko	<a href="mailto:pascal.zoloko@flexudy.com">pascal.zoloko@flexudy.com</a>	Luis Fernando Yuksel Demir	<a href="mailto:luisfernando.dharo@upm.es">luisfernando.dharo@upm.es</a> <a href="mailto:demiry@itu.edu.tr">demiry@itu.edu.tr</a>				
21	AI & Civil Engineering & Environment	Collecting data in order to create more liveable environments. Take care of the green planet with intelligent technologies. Sustainability on our campuses, campus as open lab (energy efficiency, data management, resource efficiency)... BUT might restrict impact. To publish open data to apply AI techniques in the environment/sustainability context	Rubén Fraile	<a href="mailto:r.fraile@upm.es">r.fraile@upm.es</a>	Alvaro Gutierrez	<a href="mailto:a.gutierrez@upm.es">a.gutierrez@upm.es</a>				
22	AI4health	Creating multidisciplinary group (such as medical doctors and computer scientist) Essentials of modelling of brain functions (human brain to model and implementation) ALTILAR-ITU 1) Establish cross-disciplinary collaborations (co-supervision, co-mentorship) 2) Organizing diversity-promoting summer schools, workshops etc 3) Promoting geographic diversity and inclusiveness, supporting students in low middle-income countries (e.g., RISE MICCAI network) 4) Promoting gender equality (e.g., WIM MICCAI) (Islam, BASIRA lab, ITU) Contribute to personalized healthcare using AI	Philip Dumbach	<a href="mailto:philipp.dumbach@fau.de">philipp.dumbach@fau.de</a>	Adina Florea	<a href="mailto:adina.flores@cs.pub.ro">adina.flores@cs.pub.ro</a>				
23	Digital Philology	Share IT skills and tools with philology students. Set standards and codes, create awareness for copyright and IP issues. Create a network with cities, libraries, museums. Create collaboration between linguists and engineers, create awareness for the importance of philology in STEM learnign programs. Develop a broader knowledge cloud accessible for non-institutional education and enhanced publi knowledge. Promote digital accessibility of culture and humanities.	Ismael Arinas Lino Leonardi Emine Gorgul Andrea Tellini	<a href="mailto:lino.leonardi@sns.it">lino.leonardi@sns.it</a>	Alionte Christian					
24	Archaeology and Architecture	Make cultural heritage available and understandable to the general public. Provide new tools for the analysis and preservation of artifacts. Have research and modelling tools accessible to non-technical experts. Creation of digital -Twins similar to an "smar city" to interact with (have data spaces for students).	G. Adornato Zeynep Kuban Bilge Ar Umut Almac Gökrem Günay Fabio Beltram Georgiana Moiceanu A.Magnetto	<a href="mailto:fabio.beltram@sns.it">fabio.beltram@sns.it</a>						