Registrations to UNILION brokerage event forGreen deal call, 25.9.2020

	Name and surname	Organisation	Please let us know briefly about your expertise in relation to the topic of your interest? (Max. 300 words)	Do you already have specific ideas in mind, how the topic(s) should be implemented? Please, feel free to share it (max. 350 words). This aims at helping us to identify potential fits. Please be so kind as to also include if you are looking for partners with very specific areas of expertise.
1	Albert Presas i Puig	Pompeu Fabra University	Recently, it has completed our Horizon2020 project (HoNESt, honest2020.eu) on the relationship between nuclear energy and European society. It has analyzed the development of this energy option and the role played by social actors such as politics, citizenship, economy, international relations. Its results are highly illustrative when considering new energy options and their implementation in modern societies.	the proposal is a comparative country study on economical and political traditions that define the possibilities of a just energy transition. In this sense, I am interested in social science patners dedicated to energy and society studies and capable of transdisciplinary collaboration.
2	Alberto Peralta	Universidad de Alcala (Spain)	We are a research team specializing in social innovation in the public sector. We have led or co-led two major European programs on this field: Co-VAL (H2020 # 770356) and ServPPIN (7th Framework of the Socio-Economic Sciencies and Hummanities Programme), investigating value co-creation and social innovation networks across European countries. Particularly, we are very experienced in the use of qualitative, quantitative and dynamic (agent-based models) to research on topics like participation, collaboration, policy co-creation, public networks on issues ranging from sustainable business model development to public living labs and working groups to find solutions for social wicked problems.	Since our selected topics are very much in their early stage of research and practice, particularly in what refers to meta-models, behavioral drivers, public policy, business and citizenry implications, indicators and control models, we are open to any type of collaboration, with a preference for consortia that look for practical advice or recommendations at micro, meso and macro levels, including tools development for all the levels.
3	Alejandro Ureña Fernández	Universidad Rey Juan Carlos	Materials Science and Engineering Research Group (MSE-RG) of the Rey Juan Carlos University in Madrid, has been working on the development of multifunctional composite, which offering properties and functionalities that cannot be achieved by conventional systems. Our group has researched some of these functionalities, such as ray-strike protection, self-healing capability, anti-icing and de-icing behavior, barrier properties, thermal interface materials, structural-health monitoring, etc. As a result, the MSE area has acquired valuable knowledge and equipment for the development and study of multifunctional composite materials. One of the potential functionalities that MSE-RG is exploring is based on the generation of structural composite materials with energy storage capacity that can be applied mainly in sustainable and smart mobility, but also in other potential sectors such as energy efficient buildings. This functionality can be combined with others (i.e. self-sensing for strain and damage detection). MSE-RG has experience on developing of structural energy storage composite materials with self-sensing strain and damage with potential use in lightweight electric transport industries, optimizing the modification of the carbon fiber surface (reinforcements) and the properties of the solid electrolyte (matrices) for obtaining structural supercapacitors and Li-ion batteries. Besides, by the incorporation of sensors based on carbon nanoparticles, theses multifunctional composites acquire self-sensing capabilities being able to measure damage and loss of mechanical and electrical properties.	Studies carried out by MSE-RG consist on obtaining carbon fiber electrodes with high capacitance without losing their mechanical properties and solid polymer electrolytes with high ionic conductivity keeping the mechanical properties and Tg typical of high performance resins. Concerning the structural health monitoring, the research group has a large experience in detection and location of damage in composite by means of the incorporation of carbon nanoparticles into the matrix, their deposition over the fiber reinforcement or on adhesive films used for joining integrated structures. (1)Synthesize and characterize different types of transition metal oxides and MOFs deposited over carbon fibers together with carbon nanostructures for supercapacitors and Li-ion batteries. Increase the specific surface area of carbon fibers using these coatings. (2)Evaluate different mixtures of structural resins and ionic liquid for supercapacitor applications and structural resins and Li salts for Li-ion batteries. Dope the mixtures with nanoparticles for structural reinforcement and increase the ionic conductivity. (3)Evaluate the electrical properties of flexible resins with carbon nanoparticles for their application in structural health monitoring. (4)Model of the supercapacitors and Li-ion batteries constituents operation. (5)Manufacture and evaluate structural supercapacitors and Li-ion batteries. (6)Structural health monitoring of developed supercapacitors and Li-ion batteries using strain gauges, electrical circuits and doped film adhesives. (7)Elaboration of prototypes integrating the developed technologies.
4	antonio pantaleo	DISAAT Department	Thermo-econiomic optimization of energy conversion systems, whole energy systems optimization, cross sectorial energy systems integration, biomass to energy supply chains,	flexible energy systems integration, hybrid renewable energy systems optimization, interseasonal storage and novel technologies for waste heat recovery and on site heat and power generation via carnot batteries, thermal storage and smart grid concepts; looking for partners in the fields of advanced energy storage solutions, energy efficiency in food processing sector, circular economy in the food processing and agricoltural defossilization sectors
5	Antti Kilpeläinen	University of Eastern Finland (UEF)	I am currently working as a senior researcher (Silvicultural sciences) at the University of Eastern Finland (UEF), School of Forest Sciences, Joensuu, Finland in the research group “Dynamics and Management of Boreal Forest”. The research focus of our group is on dynamics and sustainable management of boreal forest ecosystems under changing climatic conditions. My expertise covers a wide range of studies from physiological responses of trees to climate change to large scale scenario analyses of climate change mitigation potential of forests. For estimating the mitigation potential of forests, I have developed tools (e.g. Life Cycle Assessment (LCA) tool) for integrating carbon dynamics of forest ecosystem and related technosphere. The development work has also considered impacts of reference land use on climate change mitigation in forests and impacts of climate change on carbon dynamics in ecosystems. The technosystem carbon dynamics includes alternative uses of wood for various purposes (e.g. energy, sawn wood, pulp and paper) and in substitution of fossil-based materials and fossil fuels (e.g. concrete, steel, coal, oil). The tool can be used both in consequential and attributional LCAs. This enables systematic approaches in evaluating impacts of management of forest resources in climate change mitigation in terms of LCA and international carbon accounting rules. My most recent research has focused on how to change forest management to increase net carbon sequestration and carbon stocks in forests, and what are their implications to climate impacts of harvested wood products (HWP) and total climate change mitigation potential in forests when HWPs substitute for fossil-based materials and fossil fuels.	The specific objective of the planned research could be to study climate change mitigation potential of forests to support climate -neutral forest-based bioeconomy. It could include impacts of alternative forest management and biomass harvesting on carbon dynamics and biomass production in forests. The research could be conducted by using ecosystem modelling, life cycle assessment (LCA) and econometric modelling as integrated. With this information, the net climate impacts of production and utilization of forest biomass in comparison with the use of fossil-based materials and fuels could be estimated to support development of end-user products and services with regard to climate change adaptation and mitigation. Methodologies for more precise estimation of the mitigation potential of forests and harvested wood products (HWP) in construction and circular economy could be developed further. Based on the results, it can be evaluated how the current business-as-usual forest management should be modified to increase climate change mitigation potential and carbon stocks (in trees and soil), and what would be their implications to economic profitability of forest production. In addition, value added of using wood-based products in industry and society could be evaluated under alternative conditions. This would support the society in transferring from a fossil fuel intensive production to forest biomass-based production.
6	Antti Tohka	Metropolia UAS	Background education on energy engineering and waste management, 7 years work experience on system analysis (mainly transboundary air pollution issues) and policy steering, 10 years experience on energy and environment education (6 years experience as head of a degreen energy and environmental engineering, 1.5 experience as a director of clean and sustainable solutions innovation hub).	Chisen topics need multidisiplinary approach and in university of applied science we are especially intrested in testing and piloting of solutions as well as supporting educational system preparing on green deal goals. We are looking for parners on the area of farm to fork/sustainable foodchain, Industry 4.0 solutions in sustainable development, smart mobility solutions and multidisiplinary approach on sustainability (for example social, business, technology, culture).

				focusing on basic and applied research in chemistry and related scientific disciplines, covering Biotechnology and Health as well as Advanced Materials and Engineering. LC-GD-1-2-2020: We can contribute with double passivation with galvanic displacement approach, and to achieve up to 40% increase in ECSA, a 2-3 fold increase in catalytic activity, as well as an intermetallic crystal structure with increased stability towards corrosion. We also have a unique set of advanced characterization methods: identical location electron microscopy (TEM and SEM), in-situ heating electron microscopy (TEM), high-temperature half-cell electrochemical degradation setups, electrochemical flow cell coupled to an ICP-MS, EC-MS, XRD, FIB-SEM, floating electrode half-cell setup, Raman, etc LC-GD-2-1-2020: We can contribute with innovative coating development. LC-GD-2-2-2020: We can contribute with dynamic multiscale modelling of systems. We can enter the consortium together with a large industry partner from Slovenia, where demonstration can take place LC-GD-3-1-2020: We can contribute with assessing techno-economic impact, multiscale modelling, optimization of energy balances. We can bring to consortium a large industry partner from Slovenia ready to be the demonstration example LC-GD-3-2-2020: We can contribute with lignin valorization together with international partners, which we can bring to the consortium. We can offer the multilocation system and small scale biorefinery system LC-GD-5-1-2020: We can contribute with development and characterisation of lignocellulosic or CO2 based aviation fuels, renewable fuels, and with multiscale modelling LC-GD-6-1-2020: We can offer novel fungicides. Various plant pathogens secret NLPs (Nep1-like proteins) during plant infection, eliciting immune response and causing cell death. These NLPs represent an important molecular target for the development of new phytopharmaceutical products. The technology relates to compounds that can serve as inhibitors of NLPs and can be used for the prevention of plant diseases caused by plant pathogens, which use NLPs in their toxicity mechanisms, e.g. for controlling oomycetes of the genus
7	Barbara Tišler	National institute of Chemistry; Slovenija		
8	Bruno Ferroni	Università Cattolica del Sacro Cuore di Piacenza	I am Adjunct Professor for the Università Cattolica del Sacro Cuore (Piacenza) on International Business Law (Corporate Governance & International Taxation) and Lecturer for the Università Cattolica del Sacro Cuore on Advanced Training Course on International Taxation (Milan and Brescia) and Advanced Training Course in Customs and Excise Law (Milan). I also coordinate the institutional activities of the International Customs and Excise Observatory and the Observatory on International Tax Cooperative Compliance Programs of the Università Cattolica del Sacro Cuore of Milan, directed by Prof. Miccinesi. I collaborate with Assonime (Italian Association of the Joint Stock Companies) in the field of Indirect Taxation (Customs, VAT, Excises) and I am member of the Leadership Committee (Giunta) of the Association. Since September 2018 I am Equity Partner at Miccinesi – Tax Legal Corporate, consulting firm with offices in Milan, Florence and Rome. In addition, I am Independent Board member in the Italian holding company Ferrero S.p.A., and Board member and Executive Committee member in Fondazione Ferrero, an Italian no profit body. From 1994 to 2018 I was Executive Director within the Ferrero Group with the responsibility for the Tax function, Customs, Insurance and Corporate Law Affairs. I also held the position of Member of the board of directors in several companies in various countries (Italy, Luxembourg, India, South Africa, Singapore, etc.). I am member of various professional associations committees and speaker at numerous conferences and congresses dealing with Customs Law, International Trade Standards, Energy and Environmental Taxation Policy.	The project that is worth to be developed should focus on the future fiscal policies to be designed to promote the European Union recovery after the outbreak of the Covid-19 pandemic: following this scope, taxation could be an efficient tool to favor the establishment of a sustainable and circular economy in the EU member states, by the introduction of benefits for green businesses and for environmentally friendly activities.
9	Camilla Knudsen Tveiten	NTNU	I am a EU adviser, so we will contact our experts i NTNU Faculty of Information technologies and electrical engineering for coordination	So far, I cannot give you any details about ideas. We always look for partners in our projects, and for topics in the green deal call we also think that we can be a good partner with our knowledge of digital solutions for many of the challenges described.
10	Christian Durach	ESCP Business School	As an active research university, we, the Chair of Supply Chain and Operations Management at ESCP, Berlin Campus, have substantial expertise in the following areas: -Social and ecological sustainability in supply chains and manufacturing -The following Digital technologies: Blockchain and Additive Manufacturing -Risk and Resilience Management	With DNVGL, an industry partner, we have developed various ideas to reduce loss and increase transparency in supply chain through the use of digital technologies. With industry partners Eire-Composites and CFK Recycling, we have developed profound ideas to a closed loop recycling process for carbon fiber residuals.
11	Cristina Madrid-Lopez	ICTA-UAB	I can contribute the integrated assessment of the systemic effects of implementing technical innovations or policies assessing water-food energy relations. Mostly using open source modelling and including perspectives like Life Cycle Assessment and Metabolism Assessments. Also connecting local, regional and global scales and connecting quantitative methods with participatory methods.	I would like to work in a consortium that uses transcisciplinary methods like Life Cycle Assessment or Metabolism analysis with geographical reference to assess consequences of policy and innovation options. Also I am interested in producing participatory tools based on those methods to improve social decision making and awareness about the uses of energy, water and food. A Critical approach would be more interesting and open software- big data treatment - machine learning involvement would be a plus.
12	Devrim Eskiyerli	Fontys University of Applied Science, Research Group Business Innovation	Our Research Group is working on Business Model Innovation and Circular Economy Business Models as well as Sustainable Food and Packaging. Our focus is applied research together with the industry on how to transform business models into a circular one; both from the product (servitization and customer co-creation) and process perspectives (redesigning supply chain into a circular one). Our research group also works on sustainable food and packaging fields where we are carrying out projects on Insect Based food and feed, and sustainable packaging for food.	
13	Dr. Ellen Decaestecker	KU Leuven	I am expert in microbial ecology and its potential role for mediating healthy ecosystems and ecosystem services, e.g. mitigating infectious diseases (wihtin a OneHealth framework). I am a recent coordinator of a large network using microbes to develop new bioplastics in aquatic ecosystems.	Role of the microbiome for healthy/sustainable ecosystems.
14	Elisa Rojas	University of Alcala	My main field of expertise is computer networks and I've been working in energy-efficient sensor networks (Internet of Things, IoT), particularly for low-power and lossy networks. I have also collaborated in proposal writing for wildfire and flooding mitigation, and smart cities.	Currently, sensors are deployed as end-user systems due to its low processing capacities. Providing sensors with the capability of making their own decisions, and self-organization, could potentially be very useful for wildfire/flooding scenarios or, for example, green agriculture (permaculture) by using the intelligence of the context instead of pesticides.
15	Erwin Rauch	Free University of Bolzano	Urban Manufacturing, Resilient Production Networks, Digitalization in Manufacturing	/
16	Ester Martinez-Ros	University Carlos III Madrid	I am an academic researcher in business and economics with interest in studying the transition to a new sustainable environment from manager's point of view.	I work in decisions in investing in innovation and in cleaner production technologies and how those issues impact in environmental performance of firms as well as in economic activities as employment, exports,...
17	Ferrasse Jean-Henry	Aix Marseille Université	Chemical engineering and Energy. Optimisation and new roads for clean energy, scenarios and best efficiencies for unit operations	Efficient Clean Hydrogen Production by coupling electrolysis and thermochemical cycles

18	Fons Claessen	Fontys University of Applied Science		
19	Friedrich Halstenberg	Fraunhofer	I am an expert in sustainable Systems development. My Research interests include Circular Economy, Advanced Systems Engineering, Sustainable Product Development, Product-Service Systems, Sustainable Smart Services and Digital Twins.	Any Project related to the fields above would be interesting
20	Gabriella Gimigliano	University of Siena	No tailor-made experience. I am a legal expert in business, competition and banking law, specialised in the area of money, payments, virtual currencies and blockchain.	For example, it migh be interesting to investigate possible changes in the entrepreneurs' business model (my standpoint is regulatory perspective) or to which extent the blockchain technologies may ease stakeholders' participation and control
21	George Zanto	Fontys University of Applied Sciences	The Fontys Centre of Expertise Circular Transition (FECT) has the ambition to be the knowledge centre for the circular economy and energy transition in Noord-Brabant and Zuid-Nederland. We carry out applied research into the transition from a linear to a circular economy and energy transition. We work together with (regional) companies, civil society organisations, governments and consumers. Through working together, sharing and applying knowledge, you create new partnerships in which circularity can flourish. That is why we want to link up as much as possible with existing ecosystems and partnerships.	Call area 3, topic 2: Demonstration of systemic solutions for the territorial deployment of the circular economy: we are building a network of applied research and academic partners for tackling (regional) industry based circular economic challenges. We are looking to add regional partnerships in the EU and develop a project. Call area 6: we want to develop a project aimed at circular packaging of fresh foods in order to reduce waste.
22	Giovanna Ferrentino	Libera università di Bolzano	I am currently working in the research field of circular economy for food waste valorization with innovative technologies.	I would like to propose projects in the field of food waste recovery with the possibility to extract bioactive compounds and develop sustainable packaging materials.
23	Giuseppe Cantarella	Free University of Bozen-Bolzano	My core expertise is the design and realization of innovative electronic devices, which can withstand mechanical strain. This new field of research, called "Flexible Electronics" , embraces different topics, from Physics and Chemistry, to Biology, Electrical Engineering and Material Science. As technology expert, my goal is to develop electronic devices coherently to current social and economical trends, such as a continuously-rising digitalization of our society, as well as the evolution of sustainable production flows, reducing CO emission and using biocompatible materials. This will result in low-cost, disposable and eco-friendly electronics, which will improve different areas of our dailylife (agriculture, medicine, wearables) with no impact on new generations (no waste created, no use of rare materials).	One possible approach will be the establishment of the so called "circular electronics". Similarly to what already introduced by the concept of "circular economy", it is crucial to involve experts with different backgrounds, such as economy, biology, material science, physics, engineering, to pave the way for a new technological platform. Here, the focus will be devoted to a sustainable generation of electronics devices, from the initial design to a final prototyping, taking into account different factors: economic, such as the reduction of the use of rare materials; ecological, by using biocompatible and/or recycled materials; technological, to still achieve highly-performing devices.
24	Gyöngyi Kovács	Hanken School of Economics	We work in two main areas: (1) green logistics, sustainable supply chain management, circular economy - i.e. any area of the call where material flows are to be considered is something we can contribute to. (2) humanitarian logistics, emergency services - i.e. also with firefighters, but also health and humanitarian supply chains (right now also with COVID-19).	Any of these areas that needs to consider supply chains, or scaling up supply chains, would lie within our expertise. There is very little focus on transportation emissions in the call, nor on supply chain configuration vis a vis emissions, which is surprising for this being the "green deal".
25	Holger, Kohl, Prof. Dr.-Ing.	Technische Universität Berlin, Chair Sustainable Corporate Development	The department of Sustainable Corporate Development at Technische Universität Berlin is located at the Production Technology Center Berlin (PTZ). Teaching and research covers the areas of planning and operation of producing companies with special focus on their sustainable development. Prof. Dr.-Ing. Holger Kohl, who holds a double function as head of the business unit Corporate Management at the Fraunhofer IPK, is head of the department. The Departments is organizer of the Global Conference on Sustainable Manufacturing (GCSM) https://gcsm.eu, active part in the Circular Economy Initiative Germany (CEID) of acatech https://www.circular-economy-initiative.de, Bauhütte 4.0 - Sustainable architecture relies on industry 4.0 technologies https://www.bauhuette40.com and many other active sustainability related projects on Fraunhofer Site https://www.ipk.fraunhofer.de/en/expertise/corporate-and-production-management.html	This should be determined in dialogue with the consortium.
26	Jason Good	Amsterdam University of Applied Sciences	I hold a master's and PhD in Natural Resources and Environment from the University of Michigan. Prior to my graduate work I was a fisheries scientist, working primarily in Alaskan waters. My research focuses on business sustainability, circular economy, and coupled organizational and natural phenomena. I teach business management, focusing on its relationship with the natural world.	Circular economy in natural resource extraction industries, waste in natural resource extraction industries
27	Javier Carrillo-Hermosilla	University of Alcalá	I am currently a Full Professor in the Department of Economics and Business at the UAH (Spain), where I am also Lead Researcher of the Complex Systems in Social Sciences Research Group, and a Research Associate of the Institute for Economic and Social Analysis (IAES) and of the Banco Santander Chair of Corporate Social Responsibility. I am also a Co-founder of INNOGREEN Research, a Member of the Innovation Council of the Insight Foresight Institute (IFI), and a Fellow at the Centre for European Studies Jean Monnet at IE University. I previously chaired between 2008 and 2012 the Economics Department at the top ranked IE Business School (Spain), where I co-founded in 2003 with Prof. Gregory C. Unruh a then groundbreaking initiative to study and promote Circular Economy, the Center for Eco-Intelligent Management, under the chairmanship of William McDonough, known as the "father of the Circular Economy" and co-creator of "Cradle to Cradle" design. I was also a Visiting Researcher at the University of Cambridge and at the Spanish National Research Council (CSIC), a Visiting Professor at Shanghai International University Studies, and I have served as an Independent Expert assisting the European Commission, the OECD and the Spanish Government. I have dedicated the last few years to researching sustainable technological change and new policy and management models that address the environmental challenge in an innovative way (eco-innovation and circular economy). My advances in the field are expounded in numerous articles and works on environmental sustainability and technological change, published in international journals and books. Furthermore, I regularly contribute to leading newspapers and media and participate as a speaker in conferences on corporate social responsibility, environmental management and innovation management. I hold a PhD in Economics from UAH and an MBA with Honors from IE Business School.	The implementation of the circular economy (CE) in cities is understood ambiguously and, although various models and frameworks of the CE have been identified, their extension is specific, they are in large part conceptual and they lack transferability to a city context. There exists a lack of consensus regarding what constitutes a "circular city", and also the need to determine yet further the rationales and the ways forward how to transform cities towards circular models. With the aim of helping to meet this need, our research will precisely explore these issues by conducting research at three different but interconnected areas: 1. Field Research. The project involves the need to gather new data from relevant public urban institutions and corporate stakeholders by means of a field survey, meetings and interviews. It is also purposefully designed to connect an extensive network of participants and practitioners, whose involvement would help leverage the impact of the ideas and results of the project. 2. Modelling and Analysis. Upon gathering the data from the field research, our team of researchers will conduct a comprehensive analysis and diagnosis of the inputs, in particular by using complexity analysis methodologies like agent-based simulation, along with network analysis and processing of large databases. 3. Guidelines and Decision Support. Findings of the field research, modelling and analysis are brought to the scrutiny of the representatives of public and private organizations. Such forward-looking and inter-active stakeholder processes lead to the formulation of guidelines that make it possible to tackle complexity of urban governance for sustainability, through transition to a circular city in a programmatic and efficient way.
28	Jo Cutter	Leeds University Business School	My research focuses on the employment relations of skills and training with a focus on worker voice and social dialogue. I research these themes in relation to the impact of climate change mitigation strategies on work, jobs and skills. I worked for 20 years as a policy researcher and consultant in the field of skills and employment for national and local government, public agencies and NGOs, HE and trade unions. I am interested in participatory research methods and have written on the co-production of research between academics and community stakeholders	Delivering effective solutions to the European Green Deal Agenda will require new skills and adaptation within skills formation systems to meet future challenges. I suggest using the lens of skills eco-systems as a tool to re-think how and where skills are developed by understanding more clearly the interconnectedness (and gaps) of regional, sectoral and social networks of business, providers, workers and policy makers that shape skills investments and skills formation. This lens enables as better understanding how system elements can respond to change and where and how to bring different 'players' in the system into dialogue to develop better adaptive capacity to meet the future skills requirements.
29	Jochen Rabe	Technical University Berlin Einstein Center Digital Future	The Competence Center Water Berlin is one of the leading research institute is all topics along the water cycle.	Water resilient cities, Water Cycle Managment, Smart Water, Smart City, Circular Urban and Water Economies

30	Julia Günther-Sorge	Technische Universität Berlin	The Department of Machine and Energy Systems of the Technische Universität Berlin, the Forschungsschwerpunkt Technologien der Mikroperipherik at Technische Universität Berlin and the Fraunhofer Institute for Reliability and Microintegration (IZM) have come up together with an idea. The expertise of the Department of Machine and Energy Systems is among others in the field of heating, ventilation and air conditioning systems in buildings. The latest project of the group is Engito - Energy saving through low-investment technical and organizational measures in complex heating and cooling systems together with the Center for Technology and Society. At the FSP at Technische Universität Berlin, aspects such as resource availability, recyclability, energy and material efficiency and the longevity of products are also considered for the fundamental technological developments, e.g. in the project TEMPO - Toxicological, physico-chemical and social research into innovative materials and processes in optoelectronics. At the Fraunhofer IZM the group Sensor Nodes and Embedded Microsystems is researching low power radio sensor systems focusing on low power sensor nodes, energy management and reliability. With ASTROSE® the group is taking part in a project that invented a radio sensor network for monitoring high and extra high voltage lines.	We want to focus on optimization of heating, ventilation and air conditioning systems in buildings by implementing sufficient autarkic radio sensor networks as both retro fit system and monitoring system designed for future buildings. There is a lack of data for sustainable planning. Plants are dimensioned incorrectly, modernized plants do not run efficiently. Plant technology in non-residential buildings is often planned individually. The digitization of existing systems is complex and there is no systematic. The project includes the life cycle assessment of the autarkic radio sensor network and IoT Devices for Monitoring. Reliability, maintainability, costs and the carbon footprint of the sensor devices, as well, will be taken into account into the overall concept of the system and the control technology. The monitoring system and the optimization algorithm of heating, ventilation and air conditioning systems in buildings can be part of a bigger project for reducing energy consumption of existing buildings especially those owned by municipalities and managed by local authorities. Ideas for policies for green electronics and future electronic product design will be proposed as well as for efficient energy systems in buildings.
31	Julia Vauterin	LUT University	LC-GD-1-3: Climate-resilient innovation packages for EU region * Development and demonstration of local region-specific portfolios of R&I solutions that include nature-based solutions, innovative technologies, novel governance models, and delivers behavioral change * City of Lahti is the Environment Capital of year 2021 LC-GD-3-2: Demonstration of systemic solutions for the territorial deployment of circular economy * In implementing and demonstrating concrete systemic solutions (both R&I) for the territorial deployment of the circular economy in one territorial cluster, that has Circular economy as their smart specialization spearhead LC-GD-6-1c: Testing and demonstrating systemic innovations in support of F2F * smart agro-ecological practices, applying system thinking with multi-sectoral thinking, new business and supply chain models, novel digital technologies, providing solutions (chemistry, separation science) to gaps, economical impact on sustainability LC-GD-8-1: Innovative, systematic zero-pollution solutions to protect health, environment and natural resources from mobile chemicals * Innovative solutions (chemistry, separation science) for water treatment, separating microbes/viruses/toxic matter/liquid etc., development of best practices for the management of waste containing substances LC-GD-9-2: Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation * building global pathways towards climate neutrality (production, consumption, planning and lifestyle) incorporating behavioral factors via e.g. Citizens' cap-and-trade co-creative services	We have potential idea for LC-GD-6-1 (that we could lead), and territories/regions calls (GD-1-3, GD3-2, GD9-2) we bring Green Capital 2021 (Lahti) with us, thus we bring systemic innovations in a local context. For LC-GD-6-1 we are looking partners that are not on our description; e.g. environmental impact on sustainability and health impact, federating/co-federating cluster for facilitating a demonstration for 'missing' use cases, e.g. new protein sources or food from seas/oceans
32	Koos Wagensveld	HAN University of Applied Sciences	In the Centre for Multiple Value Creation at the HAN University of Applied Sciences we support organizations and business parks in the transition to a circular business model in co-creation between researchers, students, organizations and local authorities.	There is, for instance, an urgent need to develop management control systems (e.g. multicapital scorecards) for the implementing and monitoring of circular strategies based on integrated thinking.
33	Lóránt Dénes Dr. Dávid	ELTE	Prof. Dr. Lóránt Dénes Dávid is an extremely versatile Hungarian scholar. Born in 1968, he graduated in History, Geography, and European Studies and as a Geography-English Technical Translator. He was a scholarship holder in Oxford, Cambridge, London and Amsterdam. His native language is Hungarian, and he speaks English and some Russian. After earning his PhD degree from the University of Debrecen, Hungary in Geography (Earth Sciences) in 2001, he completed the habilitation processes in 3 disciplines (Management and Business Administration, Environmental Sciences, and Regional Sciences – probably the only person in the world to do this). He has become an internationally recognized researcher and professor in the fields of geography and tourism, and holds full-professor positions in Poland, Kazakhstan, Ukraine, Slovakia and Hungary. His extensive research has resulted in many prestigious journal articles, studies, papers and books. His work is available in the best-known databases (SCOPUS, Thomson Reuters/Clarivate Analytics). Furthermore, he has developed an exemplary international professional cooperation network, has served as a guest professor at many universities in Europe and overseas, and has also been an active promoter of Hungary's oriental relations. As an awardee of the Jean Monnet Professorship, he designed and implemented a major educational program in tourism and regional development. Moreover, he has been very active in editing scholarly journals both in Hungary and abroad. He is an ordinary member of the European Academy of Sciences and Arts (EASA).	His research fields: geography, earth sciences, environmentalism, tourism, regional studies and sciences, sustainable development, anthropogenic impacts.
34	Lori DiVito	Amsterdam University of Applied Sciences	governance of collective action and processes of multi-stakeholder initiatives to realize sustainable / systemic change	No, but I have several different projects in mind based on a research team with FBE. The first on collective action of diverse actors to realize change (extensions of current research in textile industry) and the other is educational tools aiding the transformation of industries.
35	Lucy Kerstens	AUAS	As manager of a research centre I have coordinated the contractual and project management side of projects, set up consortia and can connect up with relevant in- and external partners.	Yes, they should be embedded into the AUAS Centres of Expertise which has strong partnership relations in the City of Amsterdam to make the City the most sustainable city in the Netherlands. As university of Applied Sciences we have a very strong connection with companies and SME' in the greater Metropole Region of Amsterdam

36	Luisa Orsini	University of Birmingham	Dr Luisa Orsini is an Associate Professor in Biosystems and Environmental Change at the University of Birmingham. She studies the processes and mechanisms of evolutionary response to climate and other environmental factors with relevance to climate – pollution, anthropogenic land-use. To reconstruct long-term dynamics she applies high throughput technologies to sedimentary archives of inland waters, which have the unique advantage of preserving biological and environmental signals temporally. Moreover, she applies high throughput technologies to 'resurrected' specimens of the keystone species Daphnia (waterflea) to identify the molecular mechanisms that enable evolutionary changes through time and space. Dr Orsini strongly believes in bridging the science/policy divide. To this end, she works on biotechnology solutions for the removal of pharmaceuticals, pesticides and other contaminants from waste and surface water. She engages with LMICs to deliver sustainable solution for wastewater treatment.	Idea 1. Healthy ecosystems provide ecosystem services that underpin economic prosperity, social well-being and quality of life. In the past 20 years, the synergistic action of climate and other environmental factors (e.g. pollution) caused biodiversity decline at 1,000 times the natural rate. Over the last 50 years, this drastic decline in biodiversity caused an unprecedented loss of 60% of ecosystem services. We will deliver a novel platform that provides an in-depth understanding of ecosystem complexities through a comprehensive screening of the spatio-temporal interdependencies of Biodiversity – Ecosystem Functions and Ecosystem services. The long-term dynamics will be used as training sets in a novel predictive framework to accurately forecast th future of ecosystem services and their socio-economic impact under different climate change scenarios. Idea 2. More than 60% of the world's population is projected to live in water stressed areas by 2025. The reuse of wastewater is a necessity worldwide, but it comes with public health concerns because more than 80% of water destined for human use is contaminated with persistent pollutants. State-of-the-art wastewater treatment has been proven inefficient, requires disruptive infrastructure, is energy-demanding, and generates toxic by-products that require further treatment. We have developed a proof of concept for a sustainable, scalable, cost-effective engineering biology process to remove contaminants from wastewater and generate valuable commodity from the waste generated by the process. We would like to scale up this platform to maximise the shift to clean growth, by promoting efficient use of resources and a circular economy. Water Scarcity is a Global problem. However, LMICs (e.g. Africa) are more severely affected by declining water availability, driven by uneven distribution of resources, a lack of maintenance of water infrastructure and pollution issues. The platform proposed here may be a game changer for developing countries.
37	Marcel Roosen	Fontys University of Applied Sciences	The Fontys GreenTechLab is a research and technology group focussing on Agriculture related challenges. Trying to solve them with high-tech. Examples of our subjects are reducing antibiotics usage for veals, measuring green house gasses of stables, phenotyping for plant improvements, alternative protein sources (insects). We utilise the following technology areas: data sciences, artificial intelligence, robotics, modalities (vision/sound etc), process control, IoT/edge computing, digital twinning, system engineering.	We are looking for collaboration on project in our focus areas. Our expertise is in the application and testing of innovations with a focus on the entire Agriculture value chain. We work together with academia, problem owners (end users) and industry. We look forward to collaborate on projects concerning animal and plant wellfare and alternative proteins through insects.
38	Marco Allena	Università Cattolica del Sacro Cuore di Piacenza	I carry on my research work as Tax Professor at Catholic University of Piacenza, deepening the fiscal aspects and regulation of sustainability, environmental protection and circular economy in Italy and in the international context. I have studied in depth also food recycling and waste disposal themes, in addition to the taxation of energy (and renewable energy) consumption. In detail, I deal both in my research and professional work with excises application on the energy consumption, taking into consideration the latest regulatory developments at EU level. In addition, in my professional career I deal with taxation of multinational companies and with fiscal issues related to cross-border businesses (such as, for instance, transfer pricing), focusing my research also on custom duties regulation within and outside the EU territory. Furthermore, during 2019 I was visiting professor at Boston College in the U.S. and I studied in deep the International Compliance Assurance Programme (ICAP and ICAP 2.0.) designed by the OECD to promote multilateral cooperative risk assessment for multinational groups.	The project that is worth to be developed should focus on the future fiscal policies to be designed to promote the European Union recovery after the outbreak of the Covid-19 pandemic, also within the framework of the economic policies adopted by the EU towards Italy. Following this scope, taxation could be an efficient tool to favor the establishment of a sustainable and circular economy in the EU member states, by the introduction of benefits for green businesses and for environmentally friendly activities.
39	Mark van Wees	Amsterdam University of Applied Sciences	The research conducted at the Amsterdam University of Applied Sciences (AUAS) focuses on finding solutions to urban issues in the Amsterdam metropolitan area. The research areas: urban technology, building transformation, circular design and business, citizen education, city logistics, urban governance, social innovation, energy transition, mobility, cultural and social dynamics, mainport logistics, entrepreneurship, play and civic media, psychology for sustainable cities, urban analytics, urban economic innovation, water management in and around the city, and visual methoddologies.	energy positive cities, circular economy
40	Markku Anttonen	Laurea University of Applied Scieces	Co-creation and Living labs are the key elements of Laurea's RDI approach. Laurea's research activities focus on "Service Innovations and Circular Economy", "Holistic Health and Wellbeing" and "Coherent Security" which provides a thematic framework for co-creating, testing, assessing, modelling, implementing and distributing various innovations according to Living Lab principles. A central phenomenon is user centricity and the research is based on empirical work with authentic user groups. We are interested in all Green Deal areas with an intent to coordinate at least Call Area 11 and participate in Areas 1, 3, 6, 9 and 10, with our Circular Economy Living Lab approach, multi-stakeholder engagement and co-creation, and user-centered RDI.	Laurea has long expertise in citizen science, Living Labs, sustainable urban development, stakeholder engagement and participatory approaches for sustainable service innovations and circular economy solutions/business models.
41	Marta Alexy	Eotvos Lorand University	agricultural engineer, PhD in Agricultural Science, economist, 10 years industrial experience in agrifood, senior lecturer and coordinator of agrifood-related IT-projects at Department of Data Science and Engineering, Faculty of Informatics, Eotvos Lorand University	My main interest is precision farming, expecially Precision Livestock Farming. I am interested in circular economy and effect of digitalization on profitability of livestock farms (small and large scale as well). How we could expand digitalization methods and solutions among small farmers and build it in daily activities. Main goal is to minimize the effect of greengas emissions and increase efficiency.
42	Marvin Schmidt	Fraunhofer IPK	I am a research associate in the area of Modelbased Engineering and in particular Model-Based Systems Engineering (MBSE), which is meant to be used to develop complex systems, wich also comprise renewable energy technologies or energy storage soluitions.	I would like to apply Model-Based Systems Engineering (MBSE) to the development of the technologies of interest and in that way enable the effizient realization of these systems for an development and implementation of green technologies.
43	Massimiliano Renzi	Free University of Bozen/Bolzano	Renewable energy production (hyropower) and use of biofuels in power production systems (engines, gas turbines); pumped hydro energy storage; energy recovery in industrial processes (thermal energy and hydraulic power) and civil plants (water distribution networks. Energy transition. Optimization techniques for optimal power production and storage scheduling; electric mobility (thermal management of batteries) and hybridization of industrial vehicles (farm tractors, etc.).	Energy transition projects with focus on energy storage and energy production using alternative fuels and renewables; digitalization of the power plants. Electric and hybrid mobility in both automtive and industrial sector. Energy recovery in industrial processes (thermal and hydro). Challanges in mountain areas (mobility, energy). Hydrogen as energy storage to be used in power generation systems (gas turbines, engines, etc.). Availability of advanced labs for fluid-dynamic analysis, cogeneration, combustion, thermal management, etc.

44	Matthias Roetting	Technische Universitaet Berlin, Chair of Human-Machine Systems	The Chair of Human-Machine Systems is part of the Department of Psychology and Ergonomics of the Technische Universitaet Berlin. Its focus lies on the development, the evaluation, and the application of human-machine systems with a special emphasis on human abilities and capabilities. Our research focuses on new technologies for human-machine interactions that support the human and offers new interaction techniques to design interaction in a natural and efficient way. The main focus of the department lies in providing methods to optimize the evaluation of human- machine systems based on the knowledge of human perception and information processing, the development of human- machine systems which adapt according to workload and performance, and the development of emotional as well as multimodal human- machine systems.	Through their preferences, decisions and actions, people influence the Earth's climate. They are therefore the actors who bring about climate change, but can also weaken it if necessary. Decisions about how processes are designed and which products are purchased, as well as the motivation to use certain technical systems and services or to forego them, determine the climate compatibility of our actions. We propose that research should be carried out for both private and professional everyday life: - How norms, preferences and motivation can be influenced so that people make sustainable purchasing and usage decisions, - Which properties of products and systems help to assess their environmental compatibility and to reduce indifference, carelessness and errors with regard to environmentally friendly use? - How information should be processed and information systems designed so that environmentally conscious attitudes and behavioral changes are brought about. - Which decision support and benefit assessment methods and tools are effective in the context of sustainability. Answering these questions requires a research program on climate change at the interface between psychology, technology development and product design.
45	Minna-Maari Harmaala	Haaga-Helia University of Applied Sciences	Haaga-Helia University of Applied Sciences (Finland) core competencies are in sales, service and business development and IT solutions. We focus on business and entrepreneurship, the hospitality industry, journalism, vocational teacher education and sports management. We have a track record of reaching our goals, keeping our budget and staying on track and organized in our research consortia. We are looking to bring our expertise to the Green Deal specifically in the following thematic areas: •3.2 Demonstration of systemic solutions for the territorial deployment of the circular economy oWe have previously been involved in several circular economy initiatives and are specifically focused on circular economy business models; using service design to develop CE business models; evaluation of CE business models as well as building and initiating systemic or ecosystem business and/or operating models for the circular economy. •5.1 Green airports and ports as hubs for sustainable and smart mobility oWe have aviation degree programs and are working extensively with the Finnish airport operator Finavia as well as with various airlines and other industry players. Previously we have also been involved in a European project on greening ports together with the ports of Rotterdam, Antwerp and Istanbul. •6.1 Testing and demonstrating systemic innovations for sustainable food from farm to fork oWithin our hospitality team we are doing research on the sustainable food chain and alternative proteins. This also ties in with our expertise in the circular economy and circular economy business models. •9.3 A transparent & accessible ocean: Towards a Digital Twin of the Ocean oWe have ongoing projects in the areas of virtual reality and are working closely with a company that has created digital twins of aircraft, museums, cities, etc. We can provide valuable insight here. •10.3 Enabling citizens to act on climate change and environmental protection through education, citizen science, observation initiatives, and civic involvement. oOur expertise in modern, motivating and engaging pedagogy could be used in creating environments that encourage citizens to act and participate.	Not really but are looking into circular economy business models; business model innovation and service design.
46	Mona Roman	Metropolia University of Applied Sciences	My expertise lie in innovation management and the engagement of diverse stakeholders (citizens, public sector, universities and businesses) in a collaborative innovation process. Thus, Area 1 and 10 are interesting for me personally. I have scientific background (PhD) in innovation management with 30+ journal and conference papers within field, and experience in H2020 projects in these areas. As regards to the other selected Areas, I am responding on behalf of "Sustainable Urban Development" research and innovation unit, which I am leading at Metropolia University of Applied Sciences, which builds on the expertise of my colleagues in circular economy, smart mobility and data-driven construction.	As regards to Area 10 and LC-GD-10-3-2020, Sub-topic 1, the large multidisciplinary student base of Metropolia University of Applied Sciences and our networks with other education institutes nationally and internationally, would provide us good position to engage young people, and their families, contributing to climate action and protecting the environment.
47	Muschard, Bernd	Technische Universität Berlin	The department of Sustainable Corporate Development at Technische Universität Berlin is part of the Institute for Machine Tools and Factory Management (IWF) and is located at the Production Technology Center Berlin (PTZ). Teaching and research covers the areas of planning and operation of producing companies with special focus on their sustainable development. Prof. Dr.-Ing. Holger Kohl, who holds a double function as head of the business unit Corporate Management at the Fraunhofer IPK, is head of the department. We are organizer of the Global Conference on Sustainable Manufacturing (GCSM) https://gcsm.eu, part of the acatach "Circular Economy Initiative Germany" https://www.circular-economy-initiative.de/english, Bauhütte 4.0 - Sustainable architecture relies on industry 4.0 technologies https://www.bauhuette40.com/?lang=de, Circular Crowd Production Platform, BilRess (Knowledge for Ressource conservation) https://www.bilress.de and many other past projects	something like this should be determined together in the consortium.
48	Myrthe Velter	Fontys University of Applied Science		

49	Nicoleta Alina Suciu	Università Cattolica del Sacro Cuore	Since 2017, I am researcher at the Department for Sustainable food process of Università Cattolica Del Sacro Cuore (Piacenza, Italy). I have a PhD in Chemistry, Biochemistry and Ecology of Pesticides, from the Faculty of Agriculture of Università degli Studi di Milano, Italy. I have a scientific background in (i) developing analytical methods for chemicals detection in environmental matrices, (ii) assessing environmental and human exposure to chemicals trough mathematical modelling, (iii) assessing pesticides fate in the environment and, more recent, (iv) developing water governance models following multi-actor approaches in the agricultural sector. In the last 10 years, I was involved in several national and EU projects, related to the topics selected: June 2017 – Present WATERPROTECT - Innovative tools enabling drinking WATER PROTECTion in rural and urban environments, funded under the Horizion 2020 Programme for Research and Innovation actions of the European Commission. November 2017 – Present – ECORESILIENTE - Azioni e buone pratiche integrate alla gestione di un ECOsistema RESILIENTE a variazioni climatiche locali, funded under Research Programme D3.2 of Università Cattolica del Sacro Cuore. October 2013 – December 2015 4FUN - The FUture of FUlly integrated human exposure assessment of chemicals: Ensuring the long-term viability and technology transfer of the EU-FUNded 2-FUN tools as standardised solution, 7th Framework Programme for Research and Technological Development of the European Commission (FP7); Collaborative Project November 2013 - March 2014 SNAC- Synthetic and Natural Agrochemicals Compounds: ecological impacts on the soil system and effects on plant production. Project number 2011-1088, funded by Cariplo Foundation, Italy May 2012 – August 2017 Agrochemicals environmental fate; mitigation strategies for water bodies contamination. Fellow project of Università Cattolica del Sacro Cuore. January 2011 - April 2012 RISKCYCLE - Risk-based management of chemicals of products in a circular economy at a global scale, 7th Framework Programme of the European Community.	No.
50	Nina Baur	Technische Universität Berlin	I am a sociologist specialized in economic sociology (global value chains), social inequality, consumption and lifestyles, sustainability, space, methods of social research, knowledge production. Case studies in my research are: food, water, health. I Member of the Advisory Council for Consumer Affairs (SVRV of the Federal Ministry of Justice and Consumer Protection (BMJV) and Director of the“Global Center of Spatial Methods for Urban Sustainability” (GCSMUS) which funded by the German Federal Ministry for Economic Cooperation and Development (BMZ) via the DAAD program “exceed” and connects 48 institutional partners from 48 countries and 8 world regions. I am board member of the Collaborative Research Centre“Re-Figuration of Spaces” (CRC 1265) and investigate how the interaction of consumers, retailers and producers in global value chains of the food industry and why there is so little structural change there.	In my opinion, it is more important to look at structural issues, especially global value chains, because consumers/citizens empirically often do not have a choice to consume in a way that is really sustainable. It is also important to focus more strongly on the marginalized strata of the population (poor people) and the Global South.
51	Ozgu Turgut	NTNU	I have produced a publication using the IPPC’s shared socio economic pathways as part of NCCS project that I am part of. In this study I have performed stochastic mathematical modelling of climate goals. As part of same project I have gained a broad understanding of integrated assessment models which attempts to make long term strategic assessment about the possible interplay between land use, energy and power requirements, industrial emission and transportation systems. Built mathematical models and simulations for assessing resilience of supply chain systems of various sizes. This is a key knowledgebase in terms of implementing and testing of the innovations in critical systems demonstrating their contribution to improving resilience; and similarly identifying the bottlenecks through robust and risk averse modelling approaches. Particularly the methodology that I have used in my current studies is called ‘multi-horizon modelling’ should also be included in technical expertise portfolio to build central management systems to optimize neighborhood storages in a clean manner or manage waste along a food chain from farm to fork. In the same vein, I have rigorous depth of knowledge on multi-objective system modelling based on my PhD dissertation. This can be used for instance for generating of Pareto solutions to prioritize actions, after collecting data in close cooperation with regional actors and evaluating in a mathematical model. Also it is useful to quantify trade-offs between different aspects occur in aviation and waterborne transport such as service, energy efficiency; or designing green neighborhoods, seamless industrial construction and renovation workflows. At this point my expertise in data algorithms can also be beneficial. Relevant publication on assessment of ‘customer satisfaction index’ can be found in literature. Finally at MIT, I have contributed to a MOOC course (EdX platform) by supplying content material, integrating it to the platform and follow-up of the registered students.	Project idea 1: Digital solution(s) to reduce food waste from farm to retail customers. My experience at a tech-start-up and familiarity with commercialization of a digital tool, in addition to mathematical and economic analysis, will be helpful in terms of fostering an enabling environment for the demonstration projects implemented by IAs, including digital services. Looking for: Commercial partner from food retail, chemistry expertise (particularly on food waste), agriculture experts on diet and nutrition, computer science expertise (particularly data architecture). Project idea 2: Data based and multi-objective decision support systems for designing green airports and ports as multimodal hubs for sustainable and smart mobility. A tactical decision tool is to be generated and integrated which combines power of data with flexibility and broad perspective of multi objective mathematical modelling that will consider all trade-off such as economic feasibility, energy efficiency, emission and service levels. Looking for: Computer science expertise (particularly data architecture); guidance from legal departments or governmental transport institutes. Project idea 3: There are emerging innovations that support circular economy in aquaculture. For instance one of them is first to encapsulate nutrients from fish tank effluents in algal biomass; and then to feed algal biomass to copepods, which are a good feed for fish larvae. The aim of the project is to create this new value chain at a plot scale and exhibit economic feasibility. Looking for: Social and technical expertise on aquaculture, biologists (particularly on algae)
52	Paolo Arginelli	Università Cattolica del Sacro Cuore di Piacenza	Paolo Arginelli (Ph.D. and LL.M. at Leiden University) is Professor of EU Tax Law and Corporate Tax Law at Università Cattolica del Sacro Cuore in Italy and Researcher in Tax Law, for the years 2016-2021, at the same University. He is Adjunct Post-Doc Research Fellow at the IBFD (Amsterdam), as well as a member of the International Fiscal Association and a faculty member of the LL.M. programs (International Taxation) of the Universities of Vienna, Leiden, Amsterdam and Lausanne. His main area of expertise is European Law, with a special interest in EU tax law, and the main focus of his research is business sustainability and the tax stimulus of R&D. He is the author of several articles in Italian and foreign tax journals and books, as well as of a monograph on tax treaty interpretation (published by IBFD) and a monograph on the deductibility of interest costs for corporate tax purposes. He usually participates as speaker to tax conferences both in Italy and abroad.	The project should be focused on the future fiscal policies to be implemented by the European Union with the specific target of recovering after the outbreak of Covid-19 pandemic. Research and development are key in achieving sustainability by helping us understand and evaluate unsustainable patterns and by providing tools to analyse the effectiveness of different policy options. In this respect, taxation is a possible key factor in directing environmental performance of industry and sustainable development since green consciousness is growing despite the economic downturn.
53	Prof. Stephanie Laulhe Shaelou	University of Central Lancashire Cyprus campus	UCLan Cyprus has multiple expertise across the sciences, law and the business world. It is also assisted by associated Centres which focus respectively on applied sciences, entrepeneurship and access to justice. Advanced technology, innovation and regulatory solutions are built at UCLan Cyprus through knowledge transfer in data analytics, cybersecurity, psychology, risk management, compliance, emerging technologies, globalisation, European regulatory frameworks, crisis focus and other socio-economic considerations. The University is located in the coastal city of Larnaka, Cyprus, and is proud to embrace the blue, green, digital and smart environment of the country and broader region.	N/A
54	Raoul Bunschoten	TU Berlin	I head the Chair of sustainable Urban Planning and Urban Design at the TU Berlin. We work on projects related to the decarbonisation of cities, circular production of cities value chains and cooperative and participatory planning. We work on global Supply Chain Urbanism development and the potential impact of transforming this development into Climate Impact management tools.	We aim to develop gamification tools for negotiation and cooperation between different partners in order to explore different scenarios. We do research on the potential of ML/AI to support the transformation of global urbanisation from carbon emitter to carbon sink through the use of natural materials such as wood and bamboo. We are developing new value chains for the planning and development of cities as overall carbon sinks including the development of new standards and disruptive production technologies.

55	Robert Hardie	The University of Sheffield	I work in the regional engagement department of the University of Sheffield. My role is to liaise with researchers and a range of organisations across the region to establish areas of collaboration. Whilst I don't have scientific expertise on individual topics, I take a coordinating role.	Open data initiatives. Circular economy of the built environment. Circular economy of farming and agriculture. Housing retrofit. Sustainable aviation fuels. Soil carbon sequestration. Urban Horticulture Carbon accounting frameworks.
56	Roberto Zoboli	Catholic University	As Rector's Delegate for Scientific Research and Sustainability (with personal research/teaching expertise in environmental economics and the economics of innovation), I can provide an entry point for the competences of the 12 faculties of the Catholic University and of the interuniversity research centre SEEDS - Sustainability, Environmental Economics, and Dynamics Studies, which is made of 8 universities in Italy. In particular, from the Catholic University we can provide specific expertise in agricultural and environmental sciences, and food science (topics: Area 6 Farm to fork, Area 7 biodiversity), and a range of social sciences, in particular phycology, sociology and behavioural research, as well as public policies (topics: Area 10 citizen engagement, climate change adaptation strategies, social awareness for the EGD), and international cooperation (Area 11 Africa); as SEEDS we can provide huge expertise in environmental economics and policy as applied to sustainability transitions (different areas of the call), circular economy business models and link to territories (topic LC-CD-3), and quantitative techniques applied to the environment (econometrics and modelling like CGE and Environmentally Extended Input Output models).	We have a specific, and already mature, interest in - Area 11 Africa; we are looking for partners, and possibly a leader with technological competences; we can provide expertise in very detailed territorial data for energy in Africa, energy policy in different African countries, and we have capacity in alternative approaches to local development, like frugal innovation. - the territorial deployment of the Circular Economy, with well-established links to Italian institutonal and industrial stakeholders - Area 10 on citizens, for which we can provide huge expertise in public engagement studies
57	Siep Littooij	Saxion UAS	Broad expertise within the university and close relation to regional policy makers and industrial players. Interest in value chains of water, fibers, textiles, electronics.	value chains of retrieving waste in waterflows, re-entering (cellulose) fibers such as paper & packaging and textiles into Upcycle products & manufacturing, value generation from post-use electronics and applying upcycled construction materials. Above including consumer acceptance studies
58	Sotiris Themistokleous	Center for Social Innovation	Specialized in the use of technology for education, awareness, skills development. Also expert is policy and citizenship with a strong focus on Sustainable Development Principles	Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe - Use of Geographical Information Systems (GIS) for real data on environmental changes and the deployment of Virtual Reality and Artificial Intelligence approaches in citiznes education, understanding and support towars the Green Deal.
59	Stefan Junne	Technische Universität Berlin	Main expertise is about the development of mixed, co-culture and mono-culture industrial bioprocesses for the decentralized utilization of all kinds of biogenic side streams for the production of biochemicals, fertilizers, food and feed for closing carbon and phosphate cycles. Using novel monitoring technologies, several steps of the conversion of biogenic residues and other feedstock are optimized and become controlable online, while the applicable feedstock range is broadened and can be adopted based on local needs. Process bottlenecks can be identified and resumed to achieve competable yields of bioproducts like polyunsaturated fatty acids, biopolymers and others. Small scale conversion technology for decentralized bioproduction in taylor-made bioreactors (plug-flow based) with novel monitoring concepts including feedstock pre-treatment, cell physiology and particle size measurement is perform. The target use of residual biomass for soil improvement as well as the coupling with phosphate fixation (and nitrate fixation) becomes feasible. The overall aim is to develop technology that allows a decentralized approach for the Integration of bioprocesses into any biogenic stream to close open material cycles and reduce the Emission of methane, carbon dioxide and ammonia, while increasing robustness, automation and cost-efficiency of those processes.	Smart Bioproduction Grips - By means of suitable monitoring and product separation technology, the integration of a modular digestion concept (mixed or defined co-culture) that relies on metabolic activity control shall be implemented. In contrast to common practice, the metabolic activity of the culture shall be measured by recently developed and adjusted measurement technologies, coupled to cascade and re-circulation technology and bioaugmentation. This enables the application of controlable co-cultures and mixed cultures for the production of valuable products like polyunsaturated fatty acids in subsequent, eventually centralized production steps. By achieving a high degree of control in mixed and co-cultures, organism mixtures might become achievable that are well suited to foster biological hydrolysis of residual biomass like straw and wood, which are especially suited as microbial fertilizer for soil improvement or can be used for phosphate and nitrate fixation. Beyond the common practice, biomass of such processes would get a much higher value than today for practical application. Other products like bioplastics or polyunsaturated fatty acids are produced with a higher feedstock share.
60	Susana Galera	Universidad Rey Juan Carlos	Research Papers, Knowledge transfer to public institution -local and european- for specific issues	I realize that things go much faster than legal and institutional structure. The current way to provide some services -as energy- or some local public utilities -as those related to waste and water waste- is potentially far beyon the legal structures these functions are based on. A strong effort to spread around the new techonological improvements has to be done in order to a more sustainable society, a more convenient institutions and governance and particularly in order to the efficient implementation of the Green New Deal. In general terms and historical view, society usually goes forward than its correspondiend legal and institutional structures; however, now the gap is too deep; that situation increases citizens´desaffection regarding their democratic institutions and put on risk the very achivement of the strategy adressed to update the european structures -social, economic and governance- up to 2050 and beyond.
61	Virginia Bossi	Università Cattolica del Sacro Cuore	I graduated in Law in 2019 at Università Cattolica del Sacro Cuore of Milan and I am currently working at Miccinesi Tax Legal Corporate, a consulting firm based in Milan. During my professional work I had the opportunity to deepen sustainability and environmental taxation matters, also with regard to the sustainable development of the s.c. megaprojects.	The project that is worth to be developed should focus on the future fiscal policies to be designed to promote the European Union recovery after the outbreak of the Covid-19 pandemic: following this scope, taxation could be an efficient tool to favor the establishment of a sustainable and circular economy in the EU member states, by the introduction of benefits for green businesses and for environmentally friendly activities.
62	Wouter Groot	Amsterdam University of Applied Sciences	I will participate as research coördinator for the AUAS. Our expertise lies in the field of service design, co-creation, citizen participation, Urban data creation, persuasive communication, the platform society and social innovation. We have a large group of researchers and professors with a strong rooting in the regional ecosystems of Amsterdam and international networks. Together with colleagues we will connect the right researchers for the topics.	We have strong Centers of Expertise on Urban Vitallity, Urban Technology and Creative Industries. These are all clusters of research, government, industry, education and civilians. The specific professors have indepth knowledge on the topics I highlighted and will be brought together via the centers to have a regional impact. We have a strong focus on topics where a design focus is needed and participation and co-creation with the public is the fundament. We can povide the tools and methods necessary as well as the measurement frameworks.

63	Yvonne van Lith	Fontys University of Applied Sciences	The Fontys Centre of Expertise Circular Transition (FECT) has the ambition to be the leading knowledge centre for the circular economy and energy transition in Noord-Brabant and Zuid-Nederland. We carry out applied research into the transition from a linear to a circular economy and energy transition. We work together with (regional) companies, civil society organisations, governments and consumers. Through working together, sharing and applying knowledge, new partnerships are created in which circularity can flourish. That is why we want to link up as much as possible with existing ecosystems and partnerships.	Towards climate-neutral and socially innovative cities: we bring expertise in the field of Social Innovation, awareness & behavioural influencing and acceptance of technological innovations Supplying clean, affordable and secure energy: we can contribute to research methods that identify the ecological, economic and social benefits of the electrolysis system (entire value chain) Industry for a clean and circular economy: Demonstration of systemic solutions for the territorial deployment of the circular economy. We are a lead partner in setting up a circular (multi-stakeholder) eco-system in Brabant, i.e. the South of the Netherlands following the EN Zuid initiative for a green procesindustry in NL. Looking for international expansion/collaboration. Support EU leadership in clean energy storage technologies: We offer interdisciplinary (applied) research along the entire value chain of technologies for energy and circular transition. Making knowledge and tools for research and innovation towards a socially inclusive transition available to companies and students. strengthening our knowledge in support of the EGD: Interdisciplinary (applied) research along the entire value chain of technologies for energy and circular transition. Creating knowledge and tools for research and innovation towards a socially inclusive transition available to companies and students empowering citizens for the transition towards a climate neutral, sustainable Europe: we are looking to build on Erasmus+ project "ThreeC" (Creating Competencies for a Circular Economy – Education for a Circular Economy).