fuk2020 AB Yeşil Mutabakatı Çağı

Çağrı Alanı	Çağrı Konusu	Çağrı Kapsamında Ele Alinacak Sorunlar	Amacı	Desteklenecek Faaliyetler		Bütçe (Milyon C)	Başına Butca	Proje Türü ve Hibe Destek Oranı	Özel Koşullar
I: klim Deព្ពុំរូងងំឆ្នាំ ife Mucadele:Orta Kesyen Alanlar (Increasing climate ambition: cross-cortar) kalinger ការពារបោះក្រ	wildfires with the integration and	fires	means and methods tailored to extreme wildfire behaviour	Accelerate & demonstrate holistic solutions adapted to the new context of wildfires, integrating: Envoronmental, climate & score economic research, forecasting & strategy (eg hiomass) Research, innovation & pre-deployment of better ground & aerial systems, techniques and capabilities (physical & digital) to prevent, predict, monitor,	Subtople 1: Speed up the pan- European adaptation process to extreme evaluative by advancing and applying research and innovation, including demonstration pilot sites	72 8	15-20	Inovasyon Projeleri (IA) prejeleri: %70 (Kår Amacı Sütmeyen Kuruluşlar için (\$100)	In line with the strategy for EU international cooperation in research and innovation, multilateral international cooperation is encouraged, in particular with United States, Canada, Australia, Russia, Rizali, South America, Indonesia, Japan and South Africa to leverage knowledge, resources and best practices, as well as to decrease risks and increase impact worldwide.
amunion. Crast-sectoral challenges	demonstration of innovative means	to boost the EU's ability to predict and manage environmental disasters.	*proactive governance, change of forest management practices	extingush & recover. *Proactive governance, large-scale & community-based risk assessments, education / training, preparedness & adaptation – key; citizens, forest sector, first respondents. Tailor and demonstrate the integrated solutions on the field with end users in plot sites carous Europe in different contests. (forest/bush/peat; wiidland-urban interfaces/alpine/coastal; cross-border areas)	Subtopic 2: This action aims to ensure that the demonstration of innovative and integrated approaches fulfill the expected impacts, by coordinating and supporting the limosostom Action projects funded under this topic.	2-3 (Sade	co bir proje)	Destek ve Koordnasyon Eylemleri (CSA) projeleri: 7:100	Participating other amilyor local communities are expected to engage the necessary resources and commit to the deployment of their action plan and the achievement of the expected impacts state below. The consortium must possess, among others, good knowledge and expertise in EU ubsanceless programmes and initiatives, urban planner, state of the ear in technological immostion for climate neutrality, spool impossion and stateholders engagement, financing pregrammes flusch as the, Horse 2002. EU Groepens structural and investment funds, file, EBRD. J and European International unbried organizations (such as the C40, CIVITAS, POLIS, EU Covenant of Mayors/ Global Covenant of Mayors, IC etc.).
i: iklim Deĝigkikiĝi de Mucadele: Ortal kestjen Alanfar (Increasing climate imbition: cross-sectoral chailenges)	1. 2. Towards climate-neutral and socially innovative crises	achieving significant progress towards climate neutrality at a large (European) scale by fostening climate-neutrality and social innevation in cities	* to develop a one-stop shop platform providing the necessary technical, regulatory, financial and socio-economic experts as well as sistance to one-for developing and implementing their climate action plans, an related so-cial innovation action plans. A to support creat into using firon Desi-integred estated and determine, call innovation action plans, and the certain plans are supported to the control of the control of the plans and trager changes in social practices and behaviour.	Support the development of climate action plans in crites (and local to Combine existing results of EU Rid with second innovations, and take to Combine existing results of EU Rid with second innovation, and take to Combine existing existing the Communities and behaviour Establish a one-stoo shop in partner crites to help them implement is support twinning and mentoring on Green Deal objectives between different sizes and creating a European exception of cools innovator the Green Deal happen. Support twinning and mentoring on Green Deal objectives available at local, in The proposal should address all of the following four activities: Activity 1: Climate action plans and Green Deal Innovation Activity 1: Climate action plans and Green Deal Innovation Activity 3: Social innovation and citizens' engagement: Activity 4: Research and Innovation for climate-neutral transformation.	advantage of the digital is, including changes in social practices their climate action plans cities from different countries and hubs and local communities making glical, social, cultural, regulatory national and/or European level	53		Araştırma ve İnovasyon (MA-Resarch and Innovation Action) projeler: %100	
; İklim Değiyalığı ile Mucadele: Ortak Kesişen Alanlar (Increasin; climate ambition: cross-sectoral challenges)	1.3. Climate-resilient innovation packages for EU regions	to scale up and demonstrate at large scale systeme solutions to trigger behavioural change and new ways of decision-making, while accounting for local and regional contests.	test, evaluate and scale-up a range of adaptation solutions with the aim to trigger societal transformations among key community systems that are central to resilience building, and sustainable growth.	Subtopic 1; Innovation Packages for transformational adaptation of Ei	uropean regions and communities.	42	15-20	Inovasyon Projeleri (IA) projeleri: %70 (Kār Amaci Gütmeyen Kuruluşlar için %100)	Proposals should address only one of the subtopics.
		DATE TALLAND		Subtopic 2. Support the design, testing and upscale of in	nnovatron Packages	3		Destek ve Koordinasyon Eylemleri (CSA) projeleri: %100	

							1		
2:Temit, orşilebilir ve guvenli ene (Clean, alfordalle and secure enetgy)	2.1. Demonstration of innovative critical technologies to enable future large-sage deployment of 61 fisher remassible oner technologies (with the possibility to address also hydrogen applications)	energy technologies and their integration into the energy system	develop innovative solutions for either district heating and/or cooling systems or CHP, combining different highly efficient land-based renewable energy sources.	Demonstration of critical offshore renewable energy innevations at sea considering the efficiency, reliability and sustainability that is needed in all areas of the offshore renewable energy power generating systems: innovative large scale integrated systems, flandstrates and switzetures, moening and anchoring systems specifically conceived for feating offshore considering the varied subsea conditions for floating offshore systems, and the varied subsea conditions for floating offshore systems. The varied subsea conditions for floating offshore systems (DR TIVE) systems, grad forming concerter, and DC circuit Breaker; for floating enerowable energy rectinables are simple systems, grad forming concerter, and DC circuit Breaker; for floating renewable energy rectinables and connections to converter stations at sea or offshore husbas have to be considered. Power to X, floating enerowable must be storage and/or green power to X, floating hydrogen) systems to maximise the use of offshore resources.	Subtopic 1: Development of land- based renewable energy technologies and their integration into the energy system. Subtopic 2 (Innovation Action): Demonstration of innovative Demonstration of innovative	68	3-6	Araştırma ve İnovasyon (MiA-Research and Innovation Action) projeleri: %100	Proposals shall aridress at least the olfshore renewable power generating systems and the related energy system integration requirements, and may address grid infrastructure and/or power to X/storage systems, Multi-functional platforms can be considered. Proposals shall address aboth the following: Indistructure to a supply chains and the related digital infrastructures. For could refer to a supply chains and the related digital infrastructures. For coulding, regulatory, market and financial challenges. For a supply chains and smaller generated to the scap possible, but also considering optimising environmental impacts at well as currently known barriers such as costs, public acceptance and vinerability to changing climate conditions in offshore areas. Teknolopier TRL 7 Sewyesing getrificates the technologies at sea while respecting existing environmental regulation framework. Fresent an environmental monitoring plan to be implemented during the demonstration activities.
				Proposed activities:	scale deployment of offshore renewable enorgy	60	20-35	Gütmeyen Kuruluşlar (çn %100)	
2.Temiz, eryšlebili ve gozeni enerji (Clean, affordabie and secure energy)	2.2. Develop and demonstrate a 100 MW electrohyser usstaling the link between renewables and industrial applications	*to develop larger modules than the state of the art, with reduced balance of plant, managing efficiently the input power, the output hydrogen and oxygen stream, and oxygen stream, will as the heat flow, while ensuring the reability of the system and reducing the reability of the system and reducing the faot print through a more compact design.	to install and operate a 100 MW electrolyser to produce renewable hydrogen, as energy carner or as a feedstock.	1. Develop modules of 4.5 MW for largerly with reduced halance of plasmanenge efficiently the lingual power, the output hybrogen streams an heat flows, while ensuring the reliability of the system and reducing the local power of the system and reducing the local power of the lo	d the e ridualancing services, and supplying	60	20-35	Inovasyon Projeleri (IA) projeleri: \$70 (Eår Amazi Gütneyen Kuruluşlar içn \$100)	-Projects should have a duration of 5 years, with at least 2 years of operation. Combination with other EU or national financing instruments will be incentivised, namely the usage of financial instruments to de-risk the operational activity. The project has include a clear profing or decision point ahead of entering the deployment phase (committee of independent experts will assets all deliverables and will give advice on the go/no go decision) -Funding rate is reduced to 50%.
3: Terniz ve dongusel ekonomi sçin sanayı (Industry for a cioan and circular economy)	3.1. Closing the carbon cycle in industry: renewable energy driven reduction of CO2 using innovative catalytic materials and technologies	Greening of industrial and energy production, storage and distribution by use of CO2 emissions from industrial processes.	Develop and deploy highly innovative and recyclable catalytic material systems. Develop innovative, renewable energy driven, catalytic processes Bermonstrate the full value chain for industrial production (including SMEs) of synthetic fuels and chemicals, whilst reducing greenhouse gas emissions; Address financial, regulatory, environmental, land and raw material [including critical raw materials] constraints.	Develop and deploy highly innovative catalytic materials and renewable energy driven technologies for the production of synthetic fuels, polymers and chemicals from industrial waste gas emissions (CO2 and CO3 streams) with a 50% increase in the overall efficiency compared to the state-of-the-art and a sufficiently large scale with a demonstrated cost effectiveness with a demonstrated of self-entireness with a demonstrated of self-entireness.		80	40	Inovasyon Projeteri (IA) projeteri: %70 - (Kär Aması Gutmeyen Kuruluşlar için %160)	duration of up to 5 years:
3: Temz ve dängusel ekonemi için Janayi (Industry for a cisan and dircular economy)	3.2, Demonstration of systemic solutions for the territorial deployment of the circular economy	How to effectively apply the circular , economy concept beyond tracktomal resource recovery in waste and water sectors at the territorial level.	Proposals funded under this topic will form part of the demonstration projects for the implementation of the European Commission's Circular Cities and Regions Initiative (CCRI). "Each proposal is expected to implement and demonstrate circular systemic solutions for the territorial deployment of the circular recomment in one circular territorial duster". "systemic solutions implemented should also help to create circular mass for public and private investments and public procurement poil for new solutions, and should contribute to overcoming market failures. "systemic solutions implemented and their business models have a high replicability and scalability potential.	full value chain Itudif vustainable, regenerative and just circular economy to reconcile with the limits and boundaries of our planet; * focus on local and regional levels as suitable for closing material loops and creating sustainable circular economy in a least of reconstruction of the circular economy in a least three territorial devitors for the territorial deployment of the circular economy in a least three territorial clusters in Europe; * facilists their registation. * Proposed activities: * engage, train, susport, coordinate and facilitate the cooperation between key actors comittuing each cluster administrations, industry (including SMets), scientific community and clusters account tuning each clusters caministrated concerning and constructions of the common sections of the common sections such as environmental solutions to increase the circularity in the reconomic sections such as waste, water, food, feed, wond, terrestrial and aquatic bio-based value chains, textile, plastes, electrical and electronic equipment, construction and buildings; * ensure the exchange of relevant information and experiences within and acress clusters and allow with other actors and involved in the proposals.		60	10-20	Inovasyon Proieleri (IA) projelers 570 (Kår Amac Gütmeyen Kuruluşlar için 5100)	Criteria: Fust final bility, inclusiveness, and social justice at the heart of each systemic solution; repolicability potential of each solution is essential; testing the territorial clusters should reflect a geographical spread within Europe and should be of different sizes and socio-economic structures; This, 7-8 at the end of the project.

d: Energi ve kaynak vermililiği sağlanmış binalar (Energy and resource- efficient buldings)	Building and renovating in an energy and resource efficient way	*a transition in designing and constructing buildings to reduce their embodied emissions and to increase the energy efficiency of their operation. ** a transition to energy positive buildings (producing electricity, covering their heats and cooling needs and continuing to the energy grid stability) with sustainable, renewable energy technologies.	To design and construct new or retrofit existing buildings at zero-emission/zeropollution, positive energy powerhouses. The multiplication of such buildings in green neighborhood "living labs" with additional urban of functionalities (e.g., shared).	Proposals are expected to deliver at least two (residential and non-residential, new and/or retrofitted) large-scale, real-life demonstrations of promising technology, process and social innovations, in different regions of Europe. The objective of the demonstrations is to test, in slew of scaling up and wide replication, the proposed innovations across the whole value chain. Proposed activities: Scalability deeping of positive energy neighborhoods well embedded in the spatial, economic, technical, environmental and social context of the sites. High energy efficiency building degrass (incorporating thermal design and orientation), adapted to local environments; highly efficient building operation. Innovative and more energy efficient integrated renewable electricity technologies in the buildings and urban service facilities. Innovative and sustainable highly energy and cost efficient BES healing and cooling solutions. Energy storage systems (e.g., using second life batteries from electric vehicles) without limiting the use of bying space (e.g., neighbourhood springed storage). Digital technologies for system monitoring at neighbourhood scale, as well as digital solutions to increase energy efficiency of building systems and applicance's operation. Education and training for sustainability, conductive to competence and positive behaviour/good habits for a resource efficient and environmentally respectful energy. Accelerating innovators pread through involvement of the whole buildings value chain and coordination on standards and regulatory aspects for efficiency of building systems and acoling technologies.	1	10-20	linovasyon Projeleri (IA) projekti SVO (Klår Amaci Gittimeyen Kuruluşlar için (>100)	
5: Surdurulebiir ve akili ulaşım (Sustainable and smart mobility)		potential to immediately contribute to start driving the transition towards GHG-neutral	Building on best practices (technological, non-technological and social), as well as ongoing projects and planned initiatives in European airports and ports, actions should address the activities en EITHER under area A) Green Ports. Either under area A) Green Airports OR under area B) Green Ports. Each consortium should include a leading "Lighthouse" airport or port, which will demonstrate the novel concepts and solutions and a further three Jat most) "Fellow" airport or ports that will be actively associated in helping to define and incorporate their specificities in the more general approach and solutions, follow closely the demonstration actions and are committed to implement the best practices identified and results produced by the project.	Proposed activities: Profilement plants of zero-emission energy production and supply at ports and airports (electricity, hydrogen, asstanble alternative faeld) On-shore supply systems, storage, distribution and power/re-chargen/alternative re-fuelling infrastructure for acrosts and ships. Large scale, real-file high TRL demonstrations of geen maritime and inland ports, of different sites, across a airport infraements. Earnoy it energy supply, terminals -Integration with operations and geen legists, innovative construction, dredging, infrastructures, effective and green land sue -Integration with operations and geen legists, innovative construction, dredging, infrastructures, effective and green land sue -Integration with operation mechanisms for multimodal access, passenger and freight flows into f out of secret samples. Excitating access and reducing traffic from f to the circ. Accidating access and reducing traffic from f to the circ.	100	15-25*	Inovasyon Projeleri (IA) projeleri: W70 (Jdr Amaci Gutmeyen Kuruluşlar için %109)	*Max. 20% of the requested EU contribution should be for the Fellow airports or ports
6: Tatladan sefraya [Farm to Ferk: testing and demonstrating high con- magact knowestown to address key high system challenges in a place-based conteat]	Testing and demonstrating systemic innovations in support of the Farm-to- Fork Strategy	to feed a fast-growing world population and steer food systems within a safe and just operating space - encompassing planetary, health, economic viability and social welfare, and including human health	A. Achieving climate neutral farms by reducing GHG, emissions and by increasing farm-based carbon sequestration and storage. B. Achieving climate neutral food businesses by mingating, chimate change, reducing energy us and mercasing energy efficiency in processing, distribution, conservation and preparation of Good IAI. C. Reducing the dependence on hazardous pesticides; reducing the lisses of nutrients from fertilises;, towards zero politicism of water, soil and air and ultimately lettilises use. D. Reducing the dependence on the use of antimicrobials in animal production and in aquaculture. E. Reducing food losses and waste at every stage of the food thain including consumption, while also avoiding usustainable politics and in aquaculture usustainable packaging. S. Shifting to sustainable healthy dets, sourced from land, flaind water and sea, and accessibility dets, sourced from land, inclined water and sea, and accessibility dets, sourced from land, inclined water and sea, and accessibility dets, sourced from land, inclined water and sea, and accessibility dets, sourced from land, inclined the most deprived and valinerable groups	Frequent and pressing food systems: Challenges: A Chebering Climber nestral farms for land, water and seal by reducing GHG emissions and by increasing farm-based cas ben sequestration and storage. J. Achieving Climber nestral farms for land, water and seal by reducing GHG emissions and by increasing farm-based cas ben sequestration and storage. J. Achieving Climber nestral for and businesses by minigating climate change, reducing energy use and increasing energy efficiency in processing, distribution, conservation and properties of the processing of the sequence on contentious pesticides and antibiotics; reducing the use and increasing the efficiency of fertilizers; reducing the losses of nutrients from fertilizers, towards are poliusion; A) Reducing thought of the sequence on contentious pesticides and antibiotics; reducing the use and increasing the efficiency of fertilizers; reducing the losses of nutrients from fertilizers, towards are poliusion; A) Reducing food losses and waste, while avoiding unsustainable packaging; J. Shirking to sustainable healthy dietes, sourced from land, water and sea, and access the to all EU clizens, including the most deprived and vulnerable procus. J. Shirking to sustainable the pool of technological solutions. They should focus on systemic innovations that maximus synergies such as with animal welfare and minimate trasfects to deliver on the movement that maximus synergies such as with animal welfare and minimate trasfects to deliver on the movement of rood systems to shock and stresses, bring them back in a safe and just operating space and contribute to sufficient, side, nutritious, and affordable food for all, Projects will. J. maximus synergies and minimise trade-offs between the three dimensions of sustainability (storable-path), climate forms indentifying drivers and root causes of systemic childrenge to assessing influenters the following elements: - Systemic approach, and provides and accesses and an expension and approach of security and systemic childrenge	72	9-12	Inovasyon Projeleri (IA) projeleri: %70 (KSr Amacı Gütmeyen Kuruluşlar için %108)	* Applying system thinking/systems approaches to define the challenge, including in-depth systemic analyses of its drivers and root causes; to identify possible innovative systems: solutions; to develop analyses of its drivers and root causes; to identify possible innovative systems: solutions; to develop approaches and road/maps to promote their uptake and upscaling in the Life to assess their expected and actual impact including risks, synergies, and trade-offs with regards to the three pillars of sustainability (social/health, fundar/environmental and economic), food and nutrition security, food system reallence and the objectives outlined in the Farm to Fors Strategy and the Green Deal. * Adopting a multi-acter and cross-sectoral approach engaging practicioners formany producers, processors, rectaines; consumers), public and pravate institutions (Biod and governmental institutions) and contexts. For form farm to fork to co-create, test and demonstrate solutions in practice, on a European scale to the food chain and between primary sectors as well as collective action. Take specific zero to engage roung predissionable (e.g., young farmers, young farhers, young enterpeneurs, etc.), 5MEs and citizens, including the most paproprate mis of innovations, tuta a novel and digital technologies, enew business and suspension and superpractice and of innovations (value and social monotations while taking into account geographic and specials including the most approprate mis of innovations (value and social monotations while taking into account geographic and sectoral needs and anticolate including the models, new governance models, ecological and social monotations while taking into account geographic and specipals contexts (including environmental) and needs, both for production and consumption. The projects shall focus on upscaling innovations (Titl. level 5-N), and can include limited research activities to address the challenge and shoovaces colutions. **University** and can be address and the project of the proj

7: Ekcesstem ve Biyoçeşatlirik (Resteme, biodiversity and ecosystem services)	7. Restoring biodiversity and ecosystem services	to show how investing in nature restoration can explicitly help vidnerable regions and communities to improve their restinent social and empowermental shocks, when rapid changes in climate and environment conomies and social consistions occur.	benefits. This pilot is a European Green Deal enabler and can be use as a testhed for further green infrastructure/nature-base (Elife Studies) and relevant further budget lines in the new Multiannual Financial Framework. Actions should also test and evoluate innovating approaches for creating value with human communities undergoing transformative change, aveiding negative externallities and improving their living conditions by reastoring their terrestrial and/or aquatic environment.	- lest innovative method for upscaling restoration - leppicate deployment of restoration towards resilient ecosystems and their services at regional, national and cross-border levels - shddress barriers to the implementation of nature-based solutions - Showcase in practice how to maximize synergies and avoid trade-offs between promites for restoring bindiversity, miligating, and adapting to climate change - Support the development of specific demand and supply chains in restoring	80	16-25	kinovasyon Projeteri (IA) projeteri: %70 (KSz Amac Gütmeyen Kuruluşlar için %100)	The projects will develop a scalability plan, diffusion of solutions, and a process for commitments in adopting large-scale restoration within existing governance and financing, systems, as relevant communities, an repleate the upscaling across the EU and internationally. It should seek gustantees for the non-reversibility of restoration activities after the end of the projects. It should seek gustantees for the non-reversibility of restoration activities after the end of the projects. Activities of this topic related in improving ecosystem condition must be integrated into best practice or innovative monitoring activities within relevant monitoring governance schemes (no enversoration) monitoring approachs should be developed within the projects). The projects must explicitly forence deliverables which allow monitoring schemes to apply (or test, if necessary) efficiency and output indicators related to restoration, in benefits and trade-offs. This topic should respond to the urgenty for addressing unscaling restoration challenges, restoration potential of directade devolytems, isofficience of research for supporting EU policy needs and contribution to the international biodiversity gends, technical and economic feasible ty of proposed actions. EU anded value, co-benefits across multiple sectors, addressing identified knowledge gaps, and synerges/complementarity with R&I Partnerships and Missions, and with MFF programmes.
8: Sife kirilik, toksislerden annmy gevre [Zero-pollution, toxic-free environment]	I. Innovative, systemic zero-poliution solutions to protect health, environment and natural resources from presistent an mobile chemicals	is driven by factors closely related to the	To abunkee our showlenge on means replaced and environmental effects and to address and preferably prevent a specific pollution problem involving the contamination of environmental resources (such as soil, addresst, air, fond and drinking water). The solutions developed should lead too contamination of proving and to, as a last cost-effective prevention, monitoring and to, as a last resort, mitigation or elimination of the issues (e.g., mitigation or remination of forts in particularly affected pergention areas). The solutions of the contamination of the sistence of the state of the province of the sistence of the	Proposed activities: Research and development of remediation technologies of contaminated soil and water for persistent and mebile substances; New methods to measure persistent and mebile chemicals in different media; New methods to measure persistent and mebile chemicals in different media; O bevelop and earry out environmental and human (bo)monitoning of persistent and mobile substances; Gather toxicity and toxico-kinetic information in order to allow characterising all risks to human health; Develop best practices for the management of waste containing persistent and mobile substances	40	8-12	Araşterna ve İnovasyon (RIA-Research and Innovation Action) nrojelerit %100	The successful projects shall include elements, such as research and development of (biol/nemediation technologies of contaminated soil and water for persistent and mobile substances, including sources of deriving, water for pessistent and mobile chemicas; development of an even out to effective high-resolution methods to measure and separate persistent and mobile chemicates in officered mean; environmental and human (biol/monitoring of persistent and mobile chemicate); gathering of costerly and tecsor-inhetic information in order to allow characteristing all risks to human health, aroung from the exposure to the entire group of these substances, including effects on the immune system, development of best practices for the management of water containing particisation and methods unstances; and detection and identification of specific pollution problems. Proposed solutions should be cost-effective and easily imprimentable to encourage their vulsace. Therefore, close consultation with potential end-users during the project life-time is recommended.
8: Sdr kirl II., toksklerden arnnug (ewre (Zero-pollution, toxo-free environment)	8. 2. Festering regulatory science to address combined exposures to industrial chemicals and pharmaceuticals: from science to evidence-based policies	There is a need to advance regulatory science to provide policy-makers and risk assession with validate and practically applicable approaches , methods and tools and too study the effectiveness and efficiency of different policy approaches.	Applied research studies, demonstrating how new tools and methodological approaches from regulatory science that are workable in a regulatory context and are based on the latest scientific evidence, can be applied to identify, usually and prevent harmful or exposures to industrial chemicals and pharmaceuticals. Selected projects under this topic are strongly encouraged to continuously share information and participate to joint activities to equilinse synergies to address policy-relevant knowledge gaps.	Proposed activities: • Demonstration of innovative solutions to quantify and prevent the most harmful co- exposures to industrial chemicals and pharmaceusicals. • Advanced solutions for the establishment of causals he between co-exposures and effects. • Development of targeted and non-targeted high-throughput technologies for screening, and advanced bioinformatics approaches, such as an filed Intelligence and othe data mining methodologies, to identify the most representative crail-life mixture scenarios in humans? Identification of lead components in mixtures, reprosible for the impact on human health and the ecosystems	20	4-6	Araştırma ve İnovasyon (RIA-Research and Innovation Action) projeleri: %100	The applicants can address some or all of the following. (I) Evalence-based soil class studies of which safery margin's would actually protect people, including volumerable prouse, and ecosystems, while taking accumulated exposure into account over a longer time scale; (I) Develop and apply modelling, statistical approaches and other relevant methods to study the impacts of chemical matures on human populations and the environment, e.g., through linking particular cases in determined and effects on the worker populations and encosystems; (iii) The possible effects on humans of (extronic) exposure to low levels of pharmaceuticals via the environment, they account if the potential for combined effects from multiple substances, and of vulnerable sub-population. If the provider is the substances is a substance of the provider of the pr
9-Avrupa Azaştırına Alt Yapılarına desket için bilginin guçlendirilmesi (Strengthering our kinowiedge in support of the European Green Deat)	9. 1. European Research Infrastructures capacities and services to address European Green Doal challenges	The uigency and the scale of Green Deal drallenges require the multi-lisation and advancement of world-class scientific expanders and resources such as those offered by European Research intrastructures. "Mobilis alton and advancement of world- class capacities and resources such as those offered by European Research infrastructures [fills] or energy storage and climate/environment observation.	Proposals will address one of the following sub-topics: "Support Europe leadership in clean energy storage technologies (? mEUI) "Enhancing European research infrastructures for greenhouse gates observation in and around cities [13 mEUI) "Enhancing observations for air quality and citizens" health in urban areas (8 mEUII) For grants awarded under this topic beneficiaires being access providers" must provide virtual access to research infrastructures or installations.	Proposed activities: The activities will focus on: * transactional and without access to advanced RRI infrastructures, including users' training and scientific and technical support and data analysis to accelerate the transition toward a decembonised energy/transport EU system. * provision of length grade and extrustmixed services and immostive solutions for the observation and monitoring of ofths emissions, utitaline particles and air quality, in particular in and around urban areas' interceptable data (very proposed and around urban areas' interceptable data (very proposed and around urban areas' interceptable data (very proposed and proposed	28	7-13	Araştırma ve İnovasyon (RIA-Research and Innovation Action) projeteri %100	
9-Avrupa Araştırma Ait Yapılarına deztek için bişenin guşledirilminə (Strengtharing our knowledge in support of the European Green Deal)	services for all stakeholders and citizens supporting climate adaptation and	practical climate adaptation and mitigation solutions and information to reach the end users, help them in building the climate- neutral future they want and address movironmental challenges posed by climate thange.	Provide metric relation antifrontation in space and time, relevant to real-world decision-makes to identify which modes of productions, consumption and lifestyle are compatible with finante resilience and pathways achieving climate neutrality by 2050. Contribute to informing citients and decision-makers about the impacts of climate change in the decades to come, identify adaptation options, and illustrate what pathways towards climate neutrality rental in terms of production, consumption, planning and lifestyle, production, consumption, planning and lifestyle, interpretain planning on existing services and frameworks, such as Concretious, GEOSE, EMODnet and ESA actions. **Hultilipring the outreach through scaling up and replication to a number of players in the business and public sector, as well as in less represented areas in Europe and beyond.	Proposed activities: * Advancing climate science and models, and downscaling their limitings to improve their user relevance * Advancing climate science and models, and downscaling their limitings to improve their user relevance * Delevering the next-generation of climate services for end users (building on GEOSS and Copernicus * services, in collaboration with ESA). * Testing these services on demonstrations sites with the provision of guidance services. * Adaling the above findings acrossible to the public, going beyond existing tools in both scientific rebustness and user relevance. * Synthesising this knowledge by bridging the gap between the expert tools already generated by European science, and the stakeholders who are making decisions. * Converting the miligation pathways that are compatible with our climate goals into clear information on how production, consumption, infrastructure and lifestyle need to change.	25	3.5	Araşivrna ve İnovasyon (MA-Research and Innovation Action) projelere: %100	

9. 3. Transparent & Access-ble Seas and Ocean: Towards a Digital Twin of the Ocean:	This topic supports the development of an EU Integrated digital ocean, building on estitute Openmica, EMDDNF, EMCS assets, addressing EMDDNF, EMCS assets, addressing concrete cases in local or regional see basins, and demonstrating their usefulness with regard to several of the Green Deal priorities the safe of their buildings of the second of the Green Deal priorities as set outwine by uninegrating all European assets related to seas and oceans (distatured), and distatured to the second of their distance of th	of the following criteria: "deliver brack-through in accuracy and realism, represe epithal synorgy between observations and models; "tilly integrate downstream impact series of the occo- economic areas addressed in the test ase; "include a rigorous handling of quality and confidence information."	 Bust do n the integration of existing EU leading-edge capacities in warehousing with innecessive IT technology. Concrete cases in local or regional sea basins, demonstrating the several of the Green Deal priorities, integrated into national infrast Concrete cases: infrastructure undersability, development of mit plans to deal with climate rosks, optimisation of emergency respons aquaculture, traspert, offshore energy. Continuous, timely, transparent monitoring. Continuous, timely, transparent monitoring. 	use of digital twins with regard to ructures gation, adaptation and replacement ies to severe events, sustainable fishing	25	12		
10. 1. European capacities for citizen deliberation and participation for the Green Deal	Participatory processes in general and citzen deliberation in particular, require different levels of experties, as well as upfront clanification of ethical and employed control of the control of the company of the commentment on the sine of institutions about the processes' outcomes.	To stablish transational networks of experts, researchers practitioners and relevant icid society organisations specialised in debetrative demorstry and over participation across Europe, including professionals in the field of public engagement. Proposits for such a development should idemonstrate their usefulness with regard to Green Deal priorities, "Actions should include several deliberative processes, each of their impremented in a significant number of Member States or associated countries and complemented by a European online multilingual deliberative platform." Projects under this topic will enable collective design and ownership of the European Green Deal's objectives and means.	Projects retained will: - Establish transactional networks of experts, researchers and pract - Implement deliberation processes and behavioural research on probail - Ensure balanced overall coverage of EU and associated countries, and administrations.	iority issues to deliver on the Green associating national/local governments	10	3-5	Araştırma ve İnovasyon (MA-Recearch and İnnovation Action) urojeleri; 35100	
10. 2. Behavoural, social and cultural thange for the Green Deal	All areas of the European Green Deal, from climate action to zero pollution, require considerable changes in societal practices and in the behaviour of Individuals communities, and public and private organisations, individual change should be addressed in the context of the collective benefits and cost-sharing arrangements of the Green Deal and it should be associated to broader structural measures to support affected groups.	*Actions should address behavioural change at individual and collective levels , including public and private organisations, as well as broader changes in social practices related to the European Green Dela vidual control of the control of the Co	 Implement deliberation processes and behavioural research on prissues to deliver on the Green Deal Ensure balanced overall coverage of EU and associated countries, associating national/local governments and administrations 	ority	10	3-5	Araştırma ve İnovasyon (IIIA-Reseasch and Innovation Action) projeleri: %100	
10.1 feshion errors	A strong emphasis is placed on Strongthening environmental awareness of		implementation, which will serve as a reference tool for the MS, stakeholders, and NGOs to empower citizens to become engaged actors in the Green Deal. Concrete implementation of this framework will be encouraged on demonstration sites (e.g., in schools, universities and identified education communities).	Subtopic 1: Enabling chizens to act on climate change and for sustainable development through education				TRL sındlandırmasına uşgun değildir
change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement	the young generation through education and other forms of youth engagement. Citizen science can strongly contribute to the delivery of environmental data and	citizens in realising their personal impact on climate and the environment thus leading to a change in their behaviour, reducing their personal carbon footprint and taking action at societal level towards a more austainable future.	biodiversity, marine pollution and sustanable food through e.g., the European Gean Iterary platform, the European Atlas of the Seas, citizen Science, civic comsorts, deliberative democracy initiatives, businesses. NiOS and municipabiles * Collect environmental data through individual devices (personal wearable wearable wearable wearable wearable wearable wearable wearable wearable wearable wearable wearable wearable * Collect environmental data through individual devices (personal wearable wearable wearable wearable wearable wearable * Collect environmental * Collect environmental * Collect environmental * Collect environmental * Collect environmental * Involve Citizens in realising their own environmental * Inpole citizens in realising their own environmental * Inpole	Subtopic 2: Enabling citizens to act on climate change and for sustanable evelopment through better monitoring and observing of the environment and their environmental impacts.	25	2.2	Sütmeyen Kuruluşlar için (100)	TRL senflandermasına uygun değirde
	10. 1. European capacities for citizen deliberation and participation for the Green Deal 10. 2. Behavioural, social and cultural change for the Green Deal 10. 3. Enabling citizens to act on climate change, for sustainable development and minorinomental practice in through discounties citizens seekens to be serviced in the control of	sin EU Integrated digital ocean, building on existing Copernicus, EMODNET, ERICs assets, addressing concrete aceas in local or regional se basin, and demonstrating their usefulness with regard to several of the Green Deal priorities as the participation of the Discount Towards a Digital Two of the Discount Towards a Digital Two of the Discount Towards a Digital Two of the Discount Towards and Digital Component of the Green Deal priorities as step further by integrating all European assets related to seas and oceans (data, models, physical ocean observatores at seasy) with digital rechnologies (cloud, super IRIC capacities, Al and data analytics) into digital commonment the physical ocean observatores at seasy) with digital rechnologies (cloud, super IRIC capacities, Al and data analytics) into digital commonment in the processor of the Green Deal and restriction of the ocean. Participatory processes in general and cazen deliberation in particular, require disterent levels of expertises, as well as upront clarification of exhibit dimensional and (nearly) real-time description of the ocean. All areas of the European Green Deal, from climate action to zero pollution, require communities, and public and private organisations, mid-vidual change should be addressed in the context of the collective benefits and out-sharing arrangements of the Green Deal and its should be associated to broader structural measures to support affected groups. A strong emphasis is placed on the videous operation in the processor of the purp generation through deducation, citters spience, observation and other forms of youth engagement. Current science can strongly contribute to the elivery of environmental data and two reads of the control of the purp generation through deducation in the citizency of the purp generation through deducation. Citters science can strongly contribute to the elivery of environmental data and the control of the purp generation through deducation. Citters science can strongly contribute to the elivery of envir	an EU Integrated digital ocean, building on existing Copermicus, EMODIFF, RICEs sasets, addressing Copermicus, EMODIFF, RICEs sasets, and demonstrating their states and demonstrating their states and demonstrating their states as the following criterion. 3. 8. Transparent & Accessible Seas and Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Towards & Digital Two of the Coconic Two transparents & Coconic Towards & Digital Two of the Coconic Two transparents & Coc	and Uningrated digital exercis, helding on noticing Copprehans, heldings and confidence asserts related to seas and oceans (data, heldings of the notices and places of the notices and places of the notices and places of the notices and places of the notices and places of the notices and places of the notices and places of the notices of the notices of the notices of the notices and places of the notices of th	# U. Diregual departs certificate community for interference are included or registed activation of the community flow discovered and included and process of the community flow discovered and and admitished and admit	In SU Dispetate digital consists In Support and Consists In Support and Support and support and several support and support	A Signature of a construction	A Contract County of the Contract County of the Contract County of the C

I ne demonstration institution will be located in Africa, relevant African partners to implicate expected to participate in the project.	11: Accelerating the clean energy transition and access in partnership with Africa and the Med terranean	Accelerating demonstration of clean energy solutions in Africa and the Mediterranean	All areas and topics of the Green Deal call are open to international cooperation. In addition to embedding international cooperation to the other topics, a separate topic is proposed with a focus on clean energy solutions in Africa and the Mediterranean.	Deal call are open to international cooperation. In addition to embedding international cooperation to the other topics, a separate topic is proposed with a focus on		projeleri: 1970 (Kür Amacı Gütmeyen Küruluşlar için 19100)	Develop tailored value chain approaches (local contexts), including material supply chains, and skills Identification of technical, vocational and educational needs, proposed training and qualification acts definition of market and business strategies **Proposals should include all fer cycle analysis **The demonstration installation will be located in Africa, relevant African partners to implement the project are expected to participate in the project.
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Avrupa Komisyonu Başkanı Ursula VON DER LEYEN'in yeni görevine gelişi ile oluşturulan insiyatif kapsamında Avrupa Birliği (AB)'nin 2050 yılına kadar karbonsuz ekonomiye geçişinin tamamlanması hedeflenmektedir. Bu hedefin gerçekleştirilmesi amacıyla Komisyon "Sürdürülebilir Avrupa

Yatırım Planı"nı yayınlamıştır. Plan kapsamında 2027 yılı sonuna kadar 1 Trilyon Avroluk AB bütçesinin sürdürülebilir yatırımlara ayrılması hedeflenmektedir.

Ufuk2020 AB Yeşil Mutabakatı Çağrısı	Kaynak: TÜBİTAK ve Avrupa Komisyonu				
11 Çağrı Alanı	20 Çağrı Konusu - 1 Milyar € Bütçe				
• İklim değişikliği ile mücadele, sektörler arası zorluklar					
Temiz, ulaşılabilir ve güvenli enerjinin sağlanması	· · · · · · · · · · · · · · · · · · ·				
Temiz ve döngüsel ekonomide sanayi	Table to the second sec				
• Enerji ve kaynak verimli binalar	Topluma hızlı bir şekilde yansıyacak hızlı ve somut sonuçların elde edilmesi				
Sürdürülebilir ve akıllı ulaşım	Yapısının klasik Ufuk2020 çağrılarından farklı olacak olması				
Tarladan sofraya	İnovasyon ve demonstrasyon odaklı çağrıların ağırlıklı olarak yer alması				
Biyoçeşitlilik ve ekosistem hizmetlerinin geri kazanılması	• Çağrı altında az sayıda başlık olması; böylece etkisi büyük projelerin desteklenmesi				
Sıfır kirlilik, toksik olmayan ortam	 Sosyal Bilimler alanına alt çağrı başlıklarında değinilmesi Ufuk2020 Değerlendirme Sisteminin Kullanılması 				
Avrupa Yeşil Anlaşmasının desteklenmesi için bilgi birikiminin güçlendirilmesi	Eylül 2020 çağrının açılması ve Ocak sonu kapanması, 2021 sonu hibe sözleşmesi				
Vatandaşların iklim nötr, sürdürülebilir bir geleceğe geçiş için güçlendirilmesi	-,				
• Uluslararası İşbirliği					

Faydalı Linkler	
Avrupa Komisyonu "Avrupa Yeşil Mutabakatı" (Alanları ve Konuları, Amacı Kapsamı, Desteklenen Egaliyotlar, Bekisasın Estilik edili.	
TÜBİTAK-"Avrupa Yeşil Mutabakat Çağrısı" ile ilgili sunumlar	
Ufuk2020 TÜBİTAK Ulusal İrtibat Noktaları	
Yeşil Mutabakat ile ilgili teknoloji geliştiren start-up'ları araştırıyorsanız	
Doğayı koruma, iklim değişikliği, çevre konularında faaliyette bulunan kuruluşlara, özellikle de ödülü türe ayılılı kirile ili kiril	
Enerji kullanımımızın çevreye ve iklime verdiği zararı azaltmak için gelişmiş ICT teknolojilerini kullanan ortaklar arıyorsanız	
Tarladan sofraya alanında projelerle ilgili partner belirlemek istiyorsanız	

https://ec.europa.eu/info/research-and-innovation/strategy/european-green-deal/call_en https://h2020.org.tr/tr/haberler/ufuk2020-programi-green-deal-yesil-mutabakat-cagrisi-cevrimici-bilgi-gunu-gerceklesti

https://h2020.org.tr/tr/iletisim

https://sifted.eu/articles/meet-europes-green-deal-startup-heroes/ https://ec.europa.eu/easme/en/news/2020-life-awards-finalists-announced

https://ec.europa.eu/digital-single-market/en/programme-and-projects/eu-funded-projects-energy

https://ec.europa.eu/eip/agriculture/en/eip-agri-projects