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Inhalte

1. /HORIZON EUROPE*/ Improving and upscaling primary prevention of cancer through implementation research, deadline: 07. September 17:00 Brussels time

Investments are needed to establish, scale-up or improve primary cancer prevention programmes. The barriers that prevent their uptake and effective implementation should be identified and addressed. Also, primary cancer prevention programmes should be tailored to the particular needs of the target populations, taking into account socio-economic, cultural and geographical conditions. Digital tools and datasets may be considered where needed.

Proposals should address all of the following:

- Focus on implementation and upscaling of evidence-based primary cancer prevention interventions, at local, regional or national level, addressing known risk or protective factors and determinants. Proposals should clearly justify and describe the existing evidence supporting the chosen intervention, including evidence of cost-effectiveness and affordability, across health or other sectors.
- As effective prevention includes behavioural change, due consideration should be given to the factors that facilitate or impede behavioural change.
- Identify and address the bottlenecks and barriers that might influence uptake and implementation of cancer prevention programmes in accessible, affordable and equitable ways, and their impact in a defined public health context.
- Provide evidence and recommendations to inform policy and decision-makers and propose a pathway to integrate the intervention into local, regional or national health systems, policies and practices.
- Applicants are required to co-create with relevant stakeholders, including representatives of citizens, people at risk of cancer, patients, survivors, health practitioners, payers, and policymakers in the design and conduct of research and evaluation of its outcomes. Such partners will be integral to the success and sustainability of the programme and it is essential that they are engaged early in the definition of problems and barriers.
- Proposals should align with commitments or planned commitments at a regional or country level to implement evidence-based interventions. Researchers should collaborate closely with responsible authorities. The latter should provide the interventions and the financial means.
- Approaches, methodologies and frameworks used should be specific to implementation science, and based on appropriate outcomes, such as feasibility, acceptability, sustainability, uptake and cost effectiveness.
- The design of the proposed interventions should take the gender dimension and ethics into account, and contribute to reducing health inequalities.
- The organisational and resource requirements (data, digital tools, personnel and financing) necessary for the implementation of the intervention must be described, tracked and evaluated in detail. The research and system-wide scientific monitoring should allow future users (researchers, healthcare providers, policy makers, and the public) to review the step-by-step, partial outcomes of the intervention, thus facilitating a wider adoption of these practices. The appropriate contextual, financial and political-economic analyses should be provided.

Clinical trials and translational research are not within the scope of this topic.

This topic requires the effective contribution of social sciences and humanities (SSH) disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the societal impact of the related research activities. Applicants should demonstrate awareness of relevant projects on implementation research in primary cancer prevention. Successful applicants will be asked to liaise with these different initiatives where applicable, with the Commission acting as a facilitator. Where applicable, funded actions should make use of resources made available by the Knowledge Centre on Cancer.

Furthermore, all projects funded under this topic are strongly encouraged to participate in networking and joint activities with other ongoing projects under the mission on cancer and other cancer relevant projects, as appropriate. These networking and joint activities could, for example, involve the participation in joint workshops, the exchange of knowledge, the development and adoption of best practices, or joint communication activities. This could also involve networking and joint activities with projects funded under other clusters and pillars of Horizon Europe, or other EU programmes, as appropriate.

The Commission may facilitate Mission-specific coordination through future actions. Therefore, proposals should include a budget for the attendance to regular joint meetings and may consider covering the costs of any other potential joint activities without the prerequisite to detail concrete joint activities at this stage. The details of these joint activities will be defined during the grant agreement preparation phase and project duration. In this regard, the Commission will take on the role of facilitator for networking and exchanges, including with relevant initiatives and stakeholders, if appropriate.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-miss-2022-cancer-01-01;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

2. /HORIZON EUROPE*/ Strengthening research capacities of Comprehensive Cancer Infrastructures, deadline: 07. September 2022 17:00 Brussels time

Building inter alia on the work carried out in several joint actions, the work of organisations in the area of accreditation and certification, the work that will be carried out under the Europe's Beating Cancer Plan, as well as existing and potential future mappings, a capacity-building programme should be set up for Member States and several Associated Countries in the EU network of Comprehensive Cancer Centres, to be established through the Europe's Beating Cancer Plan, in order to help them develop or further improve digital, research & innovation-related capacities of future or existing Comprehensive Cancer Infrastructures.

Proposals should address all of the following:

- The capacity-building programme should be organised over the course of three years, with at least one training session taking place in each Member State and those Associated Countries in the EU network of Comprehensive Cancer Centres, to be established through the Europe's Beating Cancer Plan. In the planning of the capacity-building programme, sufficient time should be allocated to ensure proper follow-up and implementation of the recommendations provided to the participating countries.
- Each training session shall be tailored to the needs of the participating country. These needs shall be identified and discussed with the participating country prior to the session. This concerns in particular the required participants / stakeholder groups, duly reflecting health and research system specificities.
- The capacity-building programme should start in countries with no existing Comprehensive Cancer Infrastructure, followed by those with some existing Comprehensive Cancer Infrastructures but needing substantial improvement, and then support the further development of Comprehensive Cancer Infrastructures in countries with an already established system.
- The training sessions shall consist of balanced theoretical and practical parts, including simulations, case studies, group exercises, mutual learning exercises and on-the-spot visits (when possible) to gather practical experience.
- At the end of each training session, a report shall be produced indicating the areas identified for improvement and suggesting recommendations and a follow-up for the participating country. This should include information on available EU (funding) instruments as well as any other suitable sources of support

for the areas identified for improvement.

- After the initial session, the project should provide an on-demand support service to the participating country(ies) to ensure proper follow-up and support for the implementation of the recommendations provided.
- Proposals should consider, as part of this follow-up, to invite the country to participate to a supplementary and more focused session. The possibility of a twinning activity with another country which is more advanced on the areas identified for improvement should be explored as part of this follow-up.
- Proposals should consider including the following areas of development or improvement of future or existing Comprehensive Cancer Infrastructures in their capacity building activities:
 - Enhanced involvement in and quality of scientific research, including development and participation to clinical trials and epidemiological studies (e.g., clinical trial design, process of trial approval, ethical aspects, recruitment, staffing and training requirements including digital skills, organisational aspects, regulatory requirements, core facilities, patient participation and empowerment (in the planning and implementation of patient-oriented cancer research);
 - Better integration between research and care programmes;
 - Improvement of patient care pathways and integrated care;
 - Development and use of indicators (e.g., quality, outcomes) and registries;
 - Implementation of quality assurance and related standards;
 - Support in accreditation and certification;
 - Networking capacities (within and across Member States), including through improvement of data exchange capacities (e.g., interoperability and data protection related aspects);
 - Gender-related aspects (with respect to representation in research and career pathways and any other relevant aspects).
- At the end of the capacity-building programme, an overall report shall be produced, highlighting transferable best practices and lessons learned from the capacity-building programme and the support provided.

Due consideration should be given to other relevant EU-funded initiatives. This capacity-building programme should be built and conducted in full synergy and complementarity with the actions foreseen under the Europe's Beating Cancer Plan, with the Commission acting as a facilitator.

The funded action should build upon resources made available by the Knowledge Centre on Cancer.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-miss-2022-cancer-01-02;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

3. /HORIZON EUROPE*/ Pragmatic clinical trials to optimise treatments for patients with refractory cancers, deadline: 07. September 2022 17:00 Brussels time

While cancer research and innovation have generated novel treatment options, cancer patients across Europe need access to more effective and patient-centred interventions which keep up with increasing demands in a complex and fragmented oncology healthcare landscape with spiralling healthcare costs. Furthermore, the COVID-19 pandemic with its detrimental impact on cancer control has demonstrated the need for different clinical trial designs with fewer inclusion and exclusion criteria that would allow evaluation of real-world effectiveness driving better and more affordable treatment solutions that are widely accessible across EU regions, Member States and Associated Countries.

Pragmatic clinical trials focus on choosing between care options. Pragmatic trials evaluate effectiveness, the effect of treatment in routine (real-world) clinical practice. Some examples include treatment versus active surveillance in patient management, combination of treatment interventions, determination of optimal dose and dose schedule, de-escalation of treatment intervention, comparative effectiveness of different treatment interventions.

Proposals under this topic should aim for delivering results that direct, tailor towards and contribute to all of the following expected outcomes:

- Cancer patients and their caregivers will have access to optimised and affordable treatment interventions that increase their quality of life, across EU regions, Member States and Associated Countries;
- Healthcare professionals and academia will generate clinical evidence, by evaluating effectiveness in randomised or cluster-randomised academic investigator-initiated pragmatic clinical trials, how to best perform and deploy evidence-based treatment interventions that improve outcomes in real life for routine healthcare, including quality of life, for cancer patients who often present with co-morbidities;
- National healthcare providers, policymakers and authorities in EU Regions, Member States and Associated Countries will have the evidence to implement optimised and affordable treatments in their healthcare systems, including in everyday medical practice.

Proposals should address all of the following:

- Design and conduct randomised or cluster-randomised academic investigator-initiated pragmatic clinical trials to deliver effective and evidence-based treatment interventions for implementation by healthcare systems at the level of local communities, EU Regions, Member States and Associated Countries, taking into account socio-economic and biological stratification, such as biology of the disease, gender, cancer stage, and age.
- The chosen treatment intervention(s) should be adapted to the particular needs of the target population and to the specificities of the provision of care at local, regional, or national level, duly reflecting the diversity across Member States and Associated Countries. Furthermore, affordability and accessibility should be taken into account.
- The successful proposals will address treatment interventions for patients with refractory cancers (cancers with a 5-year overall survival of less than 50% from time of diagnosis) at any stage of the disease, for any cancer subtype, in any age group or part of society.
- The successful proposals should clearly justify and describe the evidence supporting the chosen treatment intervention.
- The primary and secondary endpoints of the pragmatic clinical trial should target overall survival, patient-preferred clinical benefit, patient-reported outcomes and quality of life issues considered important by and for cancer patients and their caregivers. Such endpoints should be defined together with patients and their caregivers through research models that use open knowledge, (social) innovation systems and support end-user engagement (e.g. living labs).
- Implementers of pragmatic clinical trials and trial results should include physicians, academia, patients and their caregivers, patient representatives, payers, charities and foundations, research organisations, civil society, regional and national research and innovation organisations, and health authorities.
- Successful pragmatic clinical trials, including their analyses, should be completed within 5 years after the start of the project. Translational research is not within the scope of this topic.
- In all instances, sex- and gender-related issues must be taken into account. All data should be disaggregated by sex, gender, age and other relevant variables, such as by measures of socio-economic status.

This topic requires the effective contribution of social sciences and humanities (SSH) disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the societal impact of the related research activities. Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-miss-2022-cancer-01-03;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

4. /HORIZON EUROPE*/ Towards the creation of a European Cancer Patient Digital Centre, deadline: 07. September 2022 17:00 Brussels time

Patient-controlled health data networks in Europe show a high level of heterogeneity with regard to the involvement of EU Member States, as well as the types and interoperability of collected data, organisation and governance of data storage, its access and security, and the possibility to reuse data for research purposes.

Proposals should address the existing challenges and develop a roadmap towards the creation of the ECPDC as a virtual, federated network of national infrastructures of patient-controlled health data ('national or regional nodes'), taking into account synergies with the future UNCAN.eu platform, integrated within a larger European network of infrastructures, to which each Member State should have a single access portal.

The proposals should draw on existing expertise at the EU and national level and on EU- and Member State/Associated Country-tailored procedures for access, use and re-use of patient data. Moreover, synergies with the European Network of Cancer Registries should be established to ensure the ECPDC will create an ecosystem on knowledge of cancer. It could also include a call centre function.

In particular, proposals should take account of the results of a recently launched call on a pilot project for an EU infrastructure ecosystem for the secondary use of health data for research, policy-making and regulatory purposes, the future EU legislation on European Health Data Space (EHDS), the future Cancer Survivor Smart-Card, the cancer use case under the 1+Million Genomes initiative (1+MG), the Cancer Imaging Initiative as well as the European Open Science Cloud. Successful applicants will be asked to liaise with these different initiatives where applicable, with the Commission acting as a facilitator.

Accordingly, proposals should cover all of the following activities:

- Actively engage and facilitate assessment of relevant existing patient-controlled health data networks at the EU and Member State/Associated Country level, to assess how the ECPDC will integrate and interact with existing national care pathways and the IT systems. A multidisciplinary team, including also users such as patients, care professionals and researchers, should be involved in the development of the proposed federated network.
- Develop a roadmap outlining the necessary intermediate steps towards the creation of the federated network of national health data infrastructures, including technical requirements, governance aspects and timelines.
- Design and perform a testing phase of the network before its release, allowing the adjustment of its tools/functionalities, validate the proposed approach and inform on how it could be scaled and sustained.
- Analyse and provide solutions for extraction of health data, e.g. from the electronic health records, genomic databases (e.g. 1+MG), the Cancer Imaging Initiative and the future Cancer Survivor Smart-Card. Data protection rules should be taken into account.
- Analyse and provide solutions for cross-border transfer of personal data and options to access and store patient data, taking into account the eIDAS, GDPR, other EU and national legislations, and the integration of the ECPDC within the European Health Data Space.
- Establish robust communication and effective information exchange between diverse actors such as cancer patients and survivors, formal and informal caregivers, policy makers and researchers.

The funded actions should build upon resources made available by the Knowledge Centre on Cancer, and complement actions under the Europe's Beating Cancer Plan, including the Cancer Imaging Initiative, and the future European Health Data Space.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-miss-2022-cancer-01-04;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

5. /HORIZON EUROPE*/ Innovative renewable energy carrier production for heating from renewable energies, deadline: 27. October 2022 17:00 Brussels time

This Destination includes activities targeting a sustainable, secure and competitive energy supply. In line with the scope of cluster 5, this includes activities in the areas of renewable energy; energy system, grids and storage; as well as Carbon Capture, Utilization and Storage (CCUS).

The transition of the energy system will rely on reducing the overall energy demand and making the energy supply side climate neutral. R&I actions will help to make the energy supply side cleaner, more secure, and competitive by boosting cost performance and reliability of a broad portfolio of renewable energy solutions, in line with societal needs and preferences. Furthermore, R&I activities will underpin the modernisation of the energy networks to support energy system integration, including the progressive electrification of demand side sectors (buildings, mobility, industry) and integration of other climate neutral, renewable energy carriers, such as clean hydrogen. Innovative energy storage solutions (including chemical, mechanical, electrical and thermal storage) are a key element of such energy system and R&I actions will advance their technological readiness for industrial-scale and domestic applications. Carbon Capture, Utilisation and Storage (CCUS) is a CO₂ emission abatement option that holds great potential and R&I actions will accelerate the development of CCUS in electricity generation and industry applications. This Destination contributes to the following Strategic Plan's Key Strategic Orientations (KSO):

- C: Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems;
- A: Promoting an open strategic autonomy 'Open strategic autonomy' refers to the term 'strategic autonomy while preserving an open economy', as reflected in the conclusions of the European Council 1 - 2 October 2020 by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations;

It covers the following impact areas:

- Industrial leadership in key and emerging technologies that work for people
- Affordable and clean energy.

The expected impact, in line with the Strategic Plan, is to contribute to "More efficient, clean, sustainable, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions", notably through

Fostering European global leadership in affordable, secure and sustainable renewable energy technologies and services by improving their competitiveness in global value chains and their position in growth markets, notably through the diversification of the renewable services and technology portfolio (more detailed information below). Ensuring cost-effective uninterrupted and affordable supply of energy to households and industries in a scenario of high penetration of variable renewables and other new low carbon energy supply. This includes more efficient approaches to managing smart and cyber-secure energy grids and optimisation the interaction between producers, consumers, networks, infrastructures

and vectors (more detailed information below). Accelerating the development of Carbon Capture, Use and Storage (CCUS) as a CO₂ emission mitigation option in electricity generation and industry applications (including also conversion of CO₂ to products).

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-03;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;rospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=rmanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

6. /HORIZON EUROPE*/ Digital solutions for defining synergies in international renewable energy value chains, deadline: 27. October 2022 17:00 Brussels time

Project results are expected to contribute to some of the following expected outcomes:

- Advance the European and global scientific basis, European leadership and global role in the area of renewable energy and renewable fuels and related energy value chains while creating evidence for policy making by developing novel digital solutions.
- Provide digital breakthrough solutions for promoting the increase of the global renewable energy share.
- Reinforce the European scientific basis through international collaboration while increasing the potential to export European renewable energy technologies and ensuring political priorities in the context of sustainable global energy value chains.
- Improve reliability of system components, advanced and automated functions for data analysis, diagnosis and fault detection, forecasting and model-predictive control frameworks, ancillary services for the stability of the network; maintenance planning and/or reporting.

Development of novel real time and open data monitoring and/or simulation solutions (e.g., including digital twins) for sustainable energy production and consumption, predictive modelling and artificial intelligence for the analysis of international renewable energy value chains and for internationally aligned decision-making in cooperation with international partners from Mission Innovation Countries. To ensure trustworthiness, wide adoption by user communities and support EU policy-makers, actions should promote the highest standards of transparency and openness, going well beyond documentation and extending to aspects such as assumptions, models and data related to renewable energy and fuels.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-01;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;rospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=rmanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

7. /HORIZON EUROPE*/ Renewable energy carriers from variable renewable electricity surplus and carbon emissions from energy consuming sectors, deadline: 27. October 2022 17:00 Brussels time

Project results are expected to contribute to some of the following expected outcomes:

- Advance the European scientific basis and increase technology competitiveness in the area of energy carrier production and integration with renewable electricity and carbon value and supply chains;
- Technology de-risk of renewable energy carrier value chains through demonstration as a necessary step before scaling up at commercial level;
- Enhanced sustainability of renewable energy carrier value and supply chains by improving techno-economic efficiency and avoidance of CO₂/GHG emissions and renewable electricity economic or curtailment losses and supported by a life cycle assessment.

Demonstration of renewable energy carrier synthesis from variable renewable electricity surplus and carbon emissions from energy consuming sectors, which is targeting improvement of the overall synthesis value chain efficiency and viability while making best use of the CO₂ emissions in synergy with renewable electricity generation. The incorporation of hybrids of renewable electricity with algal or synthetic renewable fuels in energy intensive sectors by integrating the conversion of surplus renewable electricity and carbon emissions from these sectors to liquid renewable energy carriers by algal, artificial photosynthesis or homologous non-solar pathways will be demonstrated. Conversion technologies should be based upon biological, biochemical, thermochemical and or electrochemical processes.

Proposals should avoid curtailing of renewable electricity and carbon emissions and improve overall efficiency and viability of renewable electricity assemblies in synergy with reduction of carbon emissions.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-05;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;respect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivermanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

8. /HORIZON EUROPE*/ AU-EU Energy System Modelling, deadline: 27. October 2022 17:00 Brussels time

Project results are expected to contribute to all of the following expected outcomes:

- Reinforce the activities in the long term the AU-EU HLPD CCSE Partnership.
- Provide knowledge and scientific energy system modelling as evidence base including the environmental, social and economic trade-offs to contribute to R&I strategy and policy making.
- Increase clean energy generation in the African energy systems.
- A permanent network of African experts and expertise in this area.

The topic is contributing to the activities of the AU-EU High Level Policy Dialog (HLPD) Climate Change and Sustainable Energy (CCSE) partnership. Current models are based on developed country standard and usage. The development of energy system models tailored to the specific African social, economic and regulatory environment is crucial for energy generation system planning and for energy policy development. Today African countries are relying heavily on developed country models and expertise. Therefore, the proposal should develop and test models for decision makers and planners to design and evaluate energy system(s) with a high penetration of renewable energy generation in African countries through a regional approach. Considerations are to be given to climate neutrality of cities and industries, using no fossil fuels. A focus should be made on the introduction of clean energy technologies. The tests should be done for at least two base cases.

Proposals should include activities to coordinate with the project(s) to be selected under the topic HORIZON-CL5-2021-D3-03-01.

Actions should promote the highest standards of transparency in model adoption, including assumptions, architecture, code and data. The outcome of the project should be widely disseminated and all the source

codes of the whole model to be open source and open access to stimulate future development. To ensure future uses, African experts in energy and in models development should be full partners in the project. The project should identify further local training needs.

The project should make use of existing European activities to create synergies and cross-fertilisation.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-02;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;rospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=rmanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

9. /HORIZON EUROPE*/ Direct renewable energy integration into process energy demands of the chemical industry, deadline: 27. October 2022 17:00 Brussels time

Project results are expected to contribute to some of the following expected outcomes:

- Advance the European scientific basis, technological leadership and global role in the area of renewable integration into the chemical industry, while creating evidence for policy making;
- Increase European technology competitiveness in renewable process energy technologies, thus supporting the EU goals for climate protection, energy independence and economic growth;
- Provide breakthrough solutions towards a fossil-free economy and ecosystem;
- Allow high penetration in the energy system, ensure stability and security of energy supply, including integration of local resources, and gain efficiency and costs in transforming the energy system on a fossil-free basis;
- Enable transformation of the energy supply to socio-economic and environmental fossil-free sustainable solutions across energy intensive chemical industry, targeting in particular process energy and its GHG emissions.

Development of the technology and the methodology of integrating renewable energy in chemical processing by substituting fossil process energy in chemical industry, which has a high carbon footprint due to processing relative to the mass of the final product. Pursued technology developments are expected to directly target renewable energy integration into process energy demands of the chemical industry beyond electricity (targeting e.g., electrochemical potential of artificial photosynthesis to chemical reduction processes and/or e.g., direct solar thermochemical conversion) and should improve GHG balance and sustainability of the targeted process.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-06;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;rospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=rmanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

10. /HORIZON EUROPE*/ Technological interfaces between solar fuel technologies and other renewables, deadline: 27. October 2022 17:00 Brussels time

Project results are expected to contribute to some of the following expected outcomes:

- Advance the European scientific basis, technological leadership and global role in the area of renewable and solar fuels, while creating evidence for policy making;
- Provide breakthrough solutions towards a fossil-free economy and ecosystem by bridging solar energy and other renewables in boosting renewable fuel production and storage with the potential of strongly reducing CAPEX and OPEX/toe, high penetration in the energy system, ensuring stability and security of energy supply;
- Increase European technology competitiveness in solar and renewable fuel technologies, thus supporting the EU goals for climate protection, energy independence and economic growth.

Development of energy transmitting technological interfaces to couple solar fuel technologies to other renewables such as from e.g., biosources or directly connected renewable power generation, which allow for efficient feed in of other forms of renewable energy into solar fuel conversion technologies and allow for efficient and continuous renewable fuel production.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-04;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;prospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=rmanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

11. /HORIZON EUROPE*/ Renewable energy incorporation in agriculture and forestry, deadline: 27. October 2022 17:00 Brussels time

Meeting local and seasonal energy demands in agriculture and forestry with optimum agricultural and forest waste management and use while reducing the associated emissions is essential. If not managed, agricultural waste is often burnt in the fields and forests suffer from fires, thus increasing the environmental footprint of agriculture and forests. Soil and biodiversity improvement in agriculture could also benefit from renewable energy technologies. Demonstrating incorporation of renewable energy technologies to attain heat, waste and land management needs in agricultural and forestry will contribute to increase the penetration of renewable sources in the energy system and enable transformation of the energy supply across critical energy-consuming sectors, thus accelerating the achievement of the European Green Deal and climate and energy targets for 2030 and of net zero greenhouse gas emissions by 2050, while supporting the EU goals for energy independence and economic growth. Furthermore, it will support achieving the specific objective of the post 2020 Common Agricultural Policy regarding contribution to climate change mitigation and adaptation, as well as sustainable energy.

Project results are expected to contribute to some of the following expected outcomes:

- Promote decentralised renewable energy use and cost-efficient decentralized production of renewable energy carriers.
- Reduce agriculture and forestry carbon footprint from own energy consumption and agricultural/forest waste management.
- Increase sustainability and circularity in agriculture while creating positive effects on biodiversity.
- Increase sustainability and circularity in forestry.
- Foster regional development in rural areas.
- Support farmers' and foresters' engagement as prosumers of renewable energy.

Proposals should demonstrate incorporation of renewable energy technologies in agriculture or forestry to meet its electricity, heat, cold, waste and land management needs. Solutions should combine innovative renewable, circular and regional value chains from different renewables and adapted storage options to de-fossilize agricultural or forest processes trans-seasonally, taking into account hybridization

compatibility. They should also address one of the two options:

- Transformation of agricultural or forest wastes to renewable energy carriers in situ, e.g., by modular slow pyrolysis units, using renewable energy for process energy needs. Solutions should improve the cost-effectiveness and the sustainability of agriculture or forest seasonal energy demand based on renewables.
- Development of renewable-based agricultural protocols for multiple and cover cropping and/ or mixed cropping which increase carbon sequestration and soil organic matter and reduce pesticides, combined with transformation to renewable energy carriers in situ, e.g. by biogas production, in a circular approach for soil nutrients and carbon. Positive effects on soil biodiversity/soil health and soil functionality as regards increasing soil organic matter, phosphorus and other nutrients and reducing the risk on groundwater contamination from nitrogen oxides should be assessed. Solutions should improve the cost-effectiveness and the sustainability (including biodiversity) of agricultural waste and land management through valorisation of wastes and secondary crops based on renewable energy technologies.

This topic requires the effective contribution of SSH disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects enhancing the societal impact of the related research activities. The effective contribution of renewable energy and agronomy disciplines is also expected.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-07;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;respect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

12. /HORIZON EUROPE*/ Demonstration of complete value chains for advanced biofuel and non-biological renewable fuel production, deadline: 27. October 2022 17:00 Brussels time

Complete value chains for advanced biofuels and renewable fuels of non-biological origin provide a systemic understanding of the value created and the constraints in individual chain steps. Demonstrating such complete value chains will contribute to increase the competitiveness of their technologies and foster their commercialization to allow high penetration of advanced biofuels and renewable fuels of non-biological origin in the energy and transport energy system, in particular for hard to electrify sectors. Project results are expected to contribute to all of the following expected outcomes:

- Build a portfolio of complete value chains for advanced biofuels and renewable fuels of non-biological origin.
- De-risk technology, boost the scale-up of advanced biofuels and non-biological origin renewable fuels.
- Contribute to the priorities of the SET Plan Action 8.
- Respond to short and medium term needs for renewable fuels in energy and transport.
- Improve sustainability and security of the value chains.

Proposals should demonstrate innovative and cost-effective sustainable value chains for advanced biofuels or synthetic renewable fuels of non-biological origin (other than for hydrogen as a final product), over the entire cycle from feedstock to end use. Any sustainable biomass feedstock including residues and wastes, or biogenic CO₂ or industrial CO₂ and renewable hydrogen, as well as input energy to the conversion should be addressed. Pathways which are biochemical, thermochemical, biological, chemical, electrochemical or combinations of them should be considered. Proposals should aim at improved

performance in terms of increasing the efficiency and sustainability and reducing the cost, while evidencing the value creation along the value chain steps. Complete value chains may address any relevant end use.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2022-d3-02-08;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=tatusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;rospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStateablePageState>

13. /HORIZON EUROPE*/ Implementing digital services to empower neuroscience research for health and brain inspired technology via EBRAINS, deadline: 21. September 2022 17:00 Brussels time

Project results are expected to contribute to all the following outcomes:

- integrated multi-disciplinary collaborative tools and services widely serving the European neuroscientific community, providing them with FAIR data indexing and archival, multilevel data mining and modelling/simulation of brain functions, and empowering workflows for reproducible research;
- a rich collection of multilevel human brain models, atlases and workflows, directly supporting the research and development for personalised brain medical treatments e.g. target binding drugs, precise neuro-stimulation positioning and guided surgery, regarding brain diseases such as epilepsy, Parkinson, consciousness disorders, or rare or multi-factor diseases;
- a comprehensive set of cognitive brain model scaffolds and associated modular / large-size neuromorphic and neurobotic facilities for assisting the design and validation of applicative cognitive technologies benefitting from neurosciences latest knowledge, as enablers for autonomous and adaptive robotics approaches that use fast sensory processing and decision-making capabilities;
- supplementary population of EBRAINS facilities with multidisciplinary services/applications that answer well-identified new neuroscience related S&T needs, in correlation with national and European research priorities for neuroscience, brain medicine and cognitive-technologies;
- integration of EBRAINS with EOSC and linkage with common European data spaces in the life science and health sector;
- better-aligned national investments in neuroscience across Europe, building on the Member States' and Associated Countries' specialised competence centres, which in turn will help creating additional synergies and enabling further research activities around the EBRAINS services.

Building on the EBRAINS architecture and base facilities developed under Horizon 2020, the scope of this action is to:

1. To implement a user-friendly service infrastructure along the principles of Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) to widely serve the research communities in neurosciences, brain medicine and brain-inspired cognitive technologies. This includes the following dimensions:
 - Enabling the EBRAINS research infrastructure digital facilities supporting neuroscience dedicated tools and services, with a high quality of service including robustness, security, scalability, flexibility, usability and user-centricity. This includes a sustainable system for allocation and management of data capacities and of simulation and computing service resources.
 - Establishing in-depth collaboration with teams from other European research and testing infrastructures and of EOSC, in order to ensure efficiency and harmonisation, e.g., regarding Authorisation, Authentication and Identification (AAI), Persistent Identifiers (PID), discovery ontologies and API for both

services and data.

- Directly interfacing with the European HPC capacities towards exascale, deployed in EuroHPC and capitalising on the FENIX developments for big-data integration and interactive use.
- Delivering an efficient Europe-wide service to researchers, based on promoting excellence and innovation, and supporting users' digital experiments with the assistance of high-level support teams and feedback mechanisms, and guiding communities in developing novel software solutions that build on the EBRAINS base offering.
- Deploying an open metrics framework to assess the EBRAINS performances reached, the efficiency of the facilities offered in particular regarding the human-based services, and the uptake especially regarding the enabled science excellence and related results and the medical and technological innovation empowerment.

2. To develop, integrate in EBRAINS, and operate:

- Constantly improving open science services/applications that respond to up-to-date and upcoming identified needs of the neuroscientific community, with a co-design approach and in-depth engagement with scientific, medical and industrial stakeholders and the establishment of an appropriate and transparent prioritisation mechanism. This includes ensuring openness to other research groups and new applications; reaching out to scientific and industrial communities, including with tailored training and skills development programmes.
- The deployment of complementary S&T services from regional or national competence nodes, supporting and enriching the cloud-based deliveries and facilitating the sharing of produced data and use of national resources.

In addition to the above, EBRAINS should open its approaches to other communities, going beyond neuroscience, for example by supporting compute-intensive simulation to identify candidate drugs addressing new disease targets in other explicit medical domains where this approach is justified.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-infra-2022-serv-01-01;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

14. /HORIZON EUROPE*/ EIT Cross-KIC Strategic Education, deadline: 28. September 2022 17:00 Brussels time

The expected outcome should be focused (but might not limit) on:

- Contribution to the EIT Deep Tech Talent initiative in cooperation with relevant partners
- Contribution to the Digital Education Action Plan (DEAP) including projects such as Girls Go Circular, according to the targets set in the relevant EU policy documents.
- implementation of the EIT Alumni community's work programme, in particular through the funding of alumni challenges and projects, EIT Alumni Connect and other events, supporting organisation and coordination of the EIT Alumni Board activities (including meetings), promotion and communication activities related to EIT Alumni Communities, development of tools supporting the EIT Alumni community development, supporting the EIT Alumni sustainability agenda.
- promoting entrepreneurial education, tech skill development and disseminate good practices and lessons learnt from the EIT community activities, including the EIT Virtual Campus.
- building synergies between the EIT KIC education activities and alignment with other relevant programmes and stakeholders, including Green Deal and European Skills Agenda.

- facilitating collaboration and shared services and joint and merged education activities between the KICs and disseminating new effective education methods, technologies, tools and approaches to better deliver entrepreneurial education and skills development.

- effective management of the activity.

Elevate the impact of the EIT education agenda and the KICs EIT Alumni organisations. Contribute to the Digital Education Action Plan implementation in the scope defined by the policy documents. Disseminate results of the EIT KICs' education activities through the EIT learning platform.

- EIT Deep Tech Talent for Europe;

- EIT's contribution to the European Commission Digital Education Action Plan (DEAP);

- Joint EIT community activities in the area of education;

- Implementation of the EIT Alumni work programme under the overall steer of the EIT Alumni Board;

To be defined by applicants addressing the specific objectives of the activity, its scope and expected outcomes but focusing on elevating the impact of the EIT education agenda and the KICs EIT Alumni organisations. The impact description should be supported by results KPIs and qualitative and quantitative description of the long-term impact in line with the impact KPIs in the EIT Impact Framework. The Cross-KIC activity should demonstrate in the proposal how the cross-KIC activity contributes to KICs' financial sustainability and how it contributes to the EIT core KPIs.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-25-cross-kic-strategic-education;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCode=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=431083900;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicListKey=topicSearchTablePageState>

15. /HORIZON EUROP*E/ EIT Thematic Innovations cross-KIC cluster, deadline: 28. September 2022 17:00 Brussels time

Thematic Innovations activities are aimed at developing highly innovative products and/or services or sustainable education and skill development programmes with high societal impact potential (contributing to the EIT core KPIs and the financial sustainability of the participating KICs), with a clear cross-KIC value demonstrated and addressing EU/EIT priorities. These are bottom-up initiatives, selected by the EIT on a competitive basis.

- Relevant and appropriate Thematic Innovation proposals for 2023-2025, demonstrating their excellence (including objectives and ambition; methodology; cross-KIC relevance, financial sustainability, relevance with objectives of the Strategic Agendas of participating KICs in the consortium), its impact (including KIC's pathways towards impact; measures to maximise impact - dissemination, exploitation and communication) and its quality and efficiency of the implementation (including work plan and resources; capacity of participants and KIC Partnership as a whole).

- to address societal challenges of participating KICs and demonstrate the Knowledge Triangle Integration (KTI) approach, contributing to achieving the future high-level results and impacts included in the EIT Impact Framework.

- Objectives in the Thematic Innovation proposals should be described according to the SMART criteria (specific, measurable, attainable, relevant and time-bound) and clearly linked with the Strategic Agendas of participating KICs.

Proposed topics should be aligned with the participating KICs Strategic Agendas.

A total budget of a project proposal should not be lower than EUR 3,000,000 and higher than EUR 8,000,000.

The EIT plans to select up to five thematic innovation activities.

In response to this topic, EIT Digital should show how the KIC could contribute to the outcomes and impacts described in the KIC Strategic Agenda and the KPIs in the EIT Impact Framework following the specific EIT Digital's Impact Pathways, the likely scale and significance of this contribution, and the measures to maximise these impacts in the context of Horizon Europe. The Cross-KIC activity should demonstrate in the proposal how the cross-KIC activity contributes to KICs' financial sustainability and how it contributes to the EIT core KPIs.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-25-ti;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=310;usCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;prospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageStatePageState>

16. /HORIZON EUROPE*/ EIT Cross-KIC Regional Innovation, deadline: 28. September 2022 17:00 Brussels time

The expected outcome should be focused (but might not limit) on:

- strengthening the EIT KICs' presence, outreach and integration within the RIS area and other priority regions, including a specific focus on the Western Balkans region and Ukraine, and support the objective of attracting and facilitating the integration of potential new partners in the EIT KICs;
- exploring linkages and synergies between the EIT Community and local innovation ecosystems and Smart Specialisation Strategies, and provide capacity building support.
- consolidation of EIT RIS hubs into EIT Community Hubs at country or regional level in line with the EIT RIS Minimum Standards and Guiding Principles.
- identifying best practices in the field of start-up support and incubation, education and KTI development and transfer them to create synergies within the EIT Community.
- exploring and establishing strategic alliances and possible cooperation with key actors in the targeted countries and regions, at different levels (e.g., Regional Cooperation Council, Enterprise Europe Network, among others).
- exploring and linking the EIT funded activities with other potential funding streams including the Instrument for Pre-accession Assistance (IPA) and ESIF.
- scoping, preparation and implementation of potential innovation projects addressing circular economy challenges in the Western Balkans region.
- strengthening entrepreneurial education via implementation of the joint pre-accelerator EIT Jumpstarter.
- development and implementation of knowledge-sharing platform to ensure alignment between regional priorities and KICs' EIT RIS activities;
- effective management of the activity.

Maximise the EIT Community's impact in the EIT Regional Innovation Scheme area as well as other priority countries and regions.

Regions and countries eligible under the EIT RIS scheme as well as other priority countries and regions, including all the Western Balkan countries.

To be defined by applicants addressing the specific objectives of the activity, its scope and expected results in the context of elevating the impact of the EIT Community in the EIT Regional Innovation Scheme area as well as other priority countries and regions and increasing their competitiveness and innovativeness level. The impact description should be supported by results KPIs and qualitative and quantitative description of the long-term impact in line with the impact KPIs in the EIT Impact Framework. The Cross-KIC activity should demonstrate in the proposal how the cross-KIC activity contributes to KICs'

financial sustainability and how it contributes to the EIT core KPIs.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-25-cross-kic-regional-innovation;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeText=true;typeCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=431083900;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=opicListKey=topicSearchTablePageState>

17. /HORIZON EUROPE*/ EIT Cross-KIC Strategic Outreach, deadline: 28. September 2022 17:00 Brussels time

The expected outcome should be focused (but might not limit) on:

- further developing the activities of the existing Global Outreach Programme, delivered via the EIT Community hubs, with participation of several KICs, inter alia in Israel, USA, United Kingdom. Proposed activities should reflect EIT's knowledge triangle signature model and be fully aligned with the EU principles on Global Approach in R&I (1), as well as priorities under the bilateral international cooperation agreements between the EU and the respective outreach countries;
- exploring the feasibility and business model for the establishment of an EIT Hub in other strategic outreach locations of common interest for the EIT Community and in full alignment with the EU principles on Global Approach in R&I (2) and the revised EIT Strategic Framework on EIT Community Global Outreach Activities
- implementing of impactful activities linking the innovation ecosystem of Europe with that of the selected outreach locations through: forging synergies with global innovation leaders; attracting new talents and partners in the EIT Community and Europe as an innovation hotspot; contributing to the core KPIs in the EIT Impact Framework; contributing to the financial sustainability of the participating KICs.
- developing a support scheme with quantifiable outputs supporting EIT and overall EU innovators and entrepreneurs in the selected outreach locations;
- providing a framework for the EIT Community platform to join efforts, resources, share good practices and lessons learnt from the implementation of the global outreach activities, supported by the cost-benefit analysis
- effective management of the activity.

The activity should maximise the EIT Community impact, transfer/ outreach the KTI EIT model, and contribute to the KICs financial sustainability through its global presence.

- further development of EIT community Hubs in USA (Silicon Valley), United Kingdom (London), Israel (Tel Aviv), and setting up of other potential locations of strategic interest;
- developing and start implementing activities contributing to the respective Hub's financial sustainability and where possible to the KICs' financial sustainability;
- linking the innovation ecosystem of Europe with that of the selected outreach locations;
- supporting EIT and overall EU innovators and entrepreneurs in the selected outreach locations, e.g., access to new partners and markets, soft landing services;
- development of the methodology and preparation a market study and business model for other strategic outreach locations in line with the EIT's strategic priorities.

Alignment with the EU principles on Global Approach in R&I and the EIT Strategic Framework for EIT Community Global Outreach Activities.

To be defined by applicants addressing the specific objectives of the activity, its scope and expected results in the context of elevating the impact of the EIT Community and improving its financial sustainability through expanding the KICs operations beyond Europe. The impact description should be supported by results KPIs and qualitative and quantitative description of the long-term impact. The results

KPIs should be accompanied/ justified by the outputs KPIs (for example in relation to the financial sustainability area to indicate revenues to be generated by each location in short-term). The Cross-KIC activity should demonstrate in the proposal how the cross-KIC activity contributes to KICs' financial sustainability and how it contributes to the EIT core KPIs.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-25-cross-kic-strategic-outreach;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCode=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

18. /HORIZON EUROPE*/ EIT Cross-KIC Strategic Synergies, deadline: 28. September 2022 17:00 Brussels time

The expected outcome should be focused (but might not limited) on:

- Enhanced impact through coordinated and joint approach by the EIT Community in EU policy priority areas (in particular in the area of Artificial Intelligence (AI), Circular Economy, Green Deal, New European Bauhaus and Women Entrepreneurship) and activities.
- development of sustainable joint activities in the key strategic areas, including support systems/ activities for ventures, promoting gender equality, citizens engagement activities, innovation projects or education activities run by the KICs.
- identification and dissemination of good practices and lessons learnt on policy level from implementation of the activities.
- engaging with the key stakeholders in the key strategic areas to elevate the impact of the KICs activities.
- identifying and linking with the relevant other programmes in the key strategic areas.
- effective management of the activity.

Elevate the EIT Community impact in key strategic areas and to enhance the strength and visibility of the EIT KICs innovation ecosystem and positioning among key stakeholders.

Coordination of joint thematic and the key EIT's strategic agendas according to the EIT SIA 2021-2027 and EU policy priorities, with the participation of the majority of KICs.

Artificial Intelligence (in particular, joint project and support schemes and a common platform for EIT KICs and their partners to support and accelerate EIT AI start-ups and innovation activities, drive the EIT Community activities towards addressing the EIT's tasks in the EC policy documents, with a specific focus on the education and AI talent and skill development agenda with specific focus on women, exploring synergies and funding opportunities from investors and with other EU and non-EU funded programmes, exchange knowledge, investor networks, best practice and raise awareness and enhance the reputation of the EIT Community's AI activities).

Circular Economy collaboration (in particular to strengthen the already initiated KICs activities regarding Cross-KIC Circular Economy extending the collaboration with key EU stakeholders as DG ENV in different actions within the European Circular Economy Action Plan (i.e. Environmental Technology Verification Program (ETV)). This initiative shall allow participating KICs to offering joint forces regarding Circular Economy expertise in relevant initiatives as the European Circular Economy Stakeholder Platform (ECESP), Circular/Innovative Cities, Best Available Techniques Reference Documents (BREFs) to pool and create further non-technical knowledge regarding specific aspects affecting the adequate implementation of Circular Economy approaches, as well as facilitating the access to markets for innovative KICs solutions).

Green Deal (in particular, explore synergies and funding opportunities with other EU and non-EU funded programmes in the Green Deal area);

New European Bauhaus (in particular, build on the 2021-22 pilot, further link the EIT Community's activities related to acceleration, education/ skill development, community engagement, with the EU's NEB agenda, explore synergies and funding opportunities of EIT KICs and their partners with other EU and non-EU funded programmes), support the delivery phase of the NEB; create synergies and excellence networks with other NEB related programmes and stakeholders;

Women entrepreneurship (in particular, support networks of women start up leaders and women led venture capital firms/ investors, network of women leaders in the EIT community, and explore synergies and funding opportunities for women entrepreneurs; support women entrepreneurship and digital training of women; ensure that beneficiaries take all measures to promote equal opportunities, in line with the gender mainstreaming policies and gender equality plans).

Effective management of the activity.

To be defined by applicants addressing the specific objectives of the activity, its scope and expected results in the defined key strategic areas. The impact description should be supported by results KPIs and qualitative and quantitative description of the long-term impact in line with the impact KPIs in the EIT Impact Framework. The Cross-KIC activity should demonstrate in the proposal how the cross-KIC activity contributes to KICs' financial sustainability and how it contributes to the EIT core KPIs.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-25-cross-kic-strategic-synergies;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeText=true;typeCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=431083900;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=opicListKey=topicSearchTablePageState>

19. /HORIZON EUROPE*/ EIT Urban Mobility Business Plan 2023-2025, deadline: 28. September 2022 17:00 Brussels time

The results of Business Plan 2023-2025 should contribute to the expected outcomes set out in the EIT Urban Mobility Strategic Agenda 2021-2027 over the medium term, and to the wider expected impacts and respective targets over the longer term.

- Relevant and appropriate EIT Urban Mobility Business Plan for 2023-2025 implementation of the KIC's multiannual strategy Strategic, demonstrating its excellence (including objectives and ambition; methodology; financial sustainability), its impact (including KIC's pathways towards impact; measures to maximise impact - dissemination, exploitation and communication) and its quality and efficiency of the implementation (including work plan and resources at portfolio level; capacity of participants and KIC Partnership as a whole).

- To address EIT Urban Mobility's target societal challenges and Knowledge Triangle Integration (KTI), contributing to achieving the future high-level results and impacts included in the EIT Impact Framework.

- KIC's objectives/priorities in this Business Plan, describing its objectives using SMART criteria (specific, measurable, attainable, relevant and time-bound) and why are they pertinent to the KIC Strategic Agenda. The KIC's Business Plan 2023-2025, describing the activities at portfolio level aligned to the EIT Urban Mobility Strategic Agenda in the framework of the EIT Strategic Agenda 2021-2027.

In response to this topic, EIT Urban Mobility should show how the KIC could contribute to the outcomes and impacts described in the KIC Strategic Agenda and the KPIs in the EIT Impact Framework following the specific EIT Urban Mobility's Impact Pathways, the likely scale and significance of this contribution, and the measures to maximise these impacts in the context of Horizon Europe. Each activity included in the Business Plan should contribute to at least one core EIT KPI.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-25-kic-eiturbanmobility;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=e;typeCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearch;topicSearchTablePageState>

20. /HORIZON EUROPE/ Higher Education Institutions (HEI) Initiative 2023-2025, deadline: 28. September 2022 17:00 Brussels time

As foreseen in the EIT Strategic Innovation Agenda (SIA) 2021-2027, the activities shall address primarily the capacity development of HEIs including:

- the exchange and implementation of best practices in knowledge triangle integration, including organisational learning, training for up-skilling and re-skilling, coaching and mentoring;
- the development of action plans on how to address identified needs in areas such as innovation management, start-up creation and development, technology transfer including intellectual property rights management, sustainability and climate neutrality by design, people and organisational management, the integration of gender approaches in innovation and engagement with local stakeholders and civil society; and
- the implementation of innovation capacity development action plans and follow-up actions.

To create systemic impact in higher education at the institutional level, by supporting higher education institutions (HEIs) to increase their innovation and entrepreneurial capacity and better integrate into and engage with innovation ecosystems.

To ensure the success of the pilot higher education initiative, the EIT shall provide funding as well as specific guidance, expertise and coaching to participating HEIs and target HEIs from across Europe, paying particular attention to HEIs from countries (and regions in those countries) that are moderate and modest innovators and other low performing regions that wish to develop their innovation capacities and strengthen their innovation footprint and smart specialisation strategies.

Particular attention shall be paid to ensuring: an open and inclusive approach to attract HEIs beyond the KICs' partners aiming for wide geographical coverage; an inter-disciplinary and inter-sectoral approach; a broader participation of women in sectors where they are underrepresented; and a link with the EIT RIS, relevant thematic platforms and smart specialisation strategies, and the Policy Support Facility when appropriate.

As the initiative has been launched in 2021 with several calls for activities, it is expected, that projects launched before 2023 can continue in 2023-2025 (depending on their positive checkpoint assessment). And in 2023-2025 also set of new projects shall be selected through open calls (shall the EIT Governing Board decide in 2023 to continue).

The aim of the pilot higher education initiative is that the impact of the EIT reach beyond the KICs and contribute to the EIT's core mission of boosting sustainable economic growth and competitiveness by reinforcing the innovation capacity of Member States, in line with the Horizon Europe goals of fostering entrepreneurial and innovation skills in a lifelong learning perspective, including increasing the capacities of HEIs across Europe at the institutional level.

Further Information:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-eit-2023-2025-hei;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=31094502;programmePeriod=2021%20-%202027;programCcm2Id=43108390;programDivisionCode=null;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;prospect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=startDate;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

21. /Sonstige/ Accelerating CCS Technologies - ACT4 Call, deadline: 12. September 2022 13:00 CEST, 1. Phase

The goal of ACT is to accelerate and mature CCUS technologies through targeted funding of innovation and research activities.

ACT will address the technological, environmental, social, and economic challenges that will be required to accelerate CCUS. Priority will be given to projects that incorporate or address the European Strategic Energy Technology (SET) Plan Implementation research priorities ([link](#)) and/or focus on the Priority Research Directions (PRDs, [link](#)) Identified at the Mission Innovation CCUS Challenge Workshop (Houston 2017).

Successful projects shall facilitate the deployment of CCUS in the energy and industrial sectors. The ACT goal of accelerating the time to market for CCUS technology will require industrial involvement in research and innovation activities. Therefore, applications submitted to the ACT4 call must be industrial oriented. Projects must include higher Technology Readiness Levels (TRLs) of 5 and above, with the goal of advancing the TRL as a result of the project.

Applications within the following subjects are of special interest:

- Carbon capture: production of a pure CO₂ stream from combustion and/or processes at the point of emissions.
- CO₂ captured from hydrogen production facilities, power stations that use biomass or fossil fuels, hard to decarbonise heavy industry facilities (e.g., cement, iron & steel, chemicals), and natural gas processing plants.
- Examples of carbon capture technologies that could be considered for this Call include without limitation: chemical or physical absorption, cryogenic, membrane separation, chemical or physical adsorption, oxy-fuel combustion, and chemical looping.
- Carbon capture and transportation networks: integrated approaches combining multiple capture points and transportation infrastructure to link multiple specific capture sites to a common network.
- Point-to-point transportation via pipelines, ships, trains, or trucks with a single input CO₂ stream.
- Direct carbon conversion: implementation of a process that directly absorbs carbon into a product at the point of emissions such as the creation of CO₂-based products (e.g., fuels, chemicals, building materials).
- Permanent Storage: captured CO₂ is transported to a geological storage site and then injected deep underground where it is permanently stored.
- Utilization to Storage via Enhanced Oil Recovery (EOR)/Enhanced Gas Recovery (EGR): the captured CO₂ is transported to an oil-field and is used to stimulate more oil production, with the CO₂ then being stored in the oil-depleted reservoir.
- Offshore CO₂ storage: injection of CO₂ into deep geological formations beneath the seabed (e.g., depleted oil and gas reservoirs and saline aquifers) for permanent storage.
- Clean Hydrogen Production: low-carbon hydrogen production from fossil sources combined with CCUS.
- Carbon dioxide removal (CDR):
- Biomass Carbon Removal and Storage (BiCRS)/ Bioenergy with Carbon Capture and Storage (BECCS): utilisation of biomass as an energy source and the capture and permanent storage of CO₂ produced during the conversion of biomass to energy. Example: Power station fuelled with biomass and equipped with CCS

- Direct Air Capture (DAC): production of pure CO₂ stream from ambient air.
- In-situ carbon mineralization: CO₂ captured, compressed, and stored in reactive geologic formations where CO₂ in the fluid form mineralizes to produce water-insoluble calcium or magnesium carbonates, such as in basalts offshore.

The funding agencies involved in the call are:

- Canada, Province of Alberta - Emissions Reduction Alberta (ERA)
- Germany - Forschungszentrum Jülich GmbH, Projektträger Jülich (FZJ/PtJ)
- India - Department of Science and Technology (DST), Ministry of Science and Technology, Government of India
- Norway - The Research Council of Norway (RCN) and Gassnova (GN)
- United States - Department of Energy (DoE).

The total funds made available will be around 14 mill EUR.

Further Information:

<http://www.act-ccs.eu/calls>

22. /Sonstige*/ Informationsveranstaltung zu Marie-Sklodowska-Curie-Maßnahmen - Doctoral Networks und Postdoctoral Fellowship, 23. Juni 2022 14 Uhr

Am 23.06.2021 führt das EU-Hochschulnetzwerk Sachsen-Anhalt in Kooperation mit der Nationalen Kontaktstelle (NKS) Marie Skłodowska-Curie-Maßnahmen eine online-Veranstaltung zu den Marie-S.-Curie Doctoral Networks und Postdoctoral Fellowships im europäischen Forschungsrahmenprogramm Horizon Europe durch.

Von 14:00 bis 15:15 Uhr erhalten Sie Informationen in englischer Sprache zu den Postdoctoral Fellowships, mit denen Forschungsprojekte erfahrener Wissenschaftler*innen innerhalb und außerhalb Europas gefördert werden.

Von 15:45 bis 17:00 Uhr werden Sie in deutscher Sprache über die Doctoral Networks informiert, die Fördermöglichkeiten für wissenschaftliche Netzwerke und die Ausbildung von Promovierenden bieten.

Weitere Informationen:

<https://www.euhochschulnetz-sachsen-anhalt.de/msca2022.html>

23. /Sonstige*/ Europa Café: Wissenschaft + Wirtschaft = Ausgründung? Wie wirken EU-Projekte in Sachsen-Anhalt?, 28. Juni 2022 15 Uhr

Das Finale der Europa-Café-Reihe von EU-Hochschulnetzwerk Sachsen-Anhalt und Enterprise Europe Network Sachsen-Anhalt für dieses Semester beschäftigt sich mit der Möglichkeit der Ausgründung nach erfolgreich abgeschlossenen Forschungsprojekten.

Am 28. Juni 2022 von 15:00 bis 16:00 Uhr wird sich der Transfer und Gründerservice der Martin-Luther-Universität Halle-Wittenberg vorstellen, einen Einblick in Gründungsprozesse geben und über das Unterstützungsangebot an der Universität informieren.

Im Anschluss erfahren wir an realen Beispielen, wie sich der Weg von einer Forschungs idee bis hin zur Ausgründung gestalten kann. Dazu werden sich zwei Unternehmer aus Sachsen-Anhalt vorstellen und von Ihren Erfahrungen berichten.

Weitere Informationen:

<https://www.euhochschulnetz-sachsen-anhalt.de/EuropaCafe.html>



24. /Sonstige/ Contact Research Funding Advice of the Otto von Guericke University Magdeburg

For questions about funding opportunities, specific calls for proposals, help with submitting applications and project support, please contact the department for Research Funding Advice/EU-University Network of Otto von Guericke University Magdeburg.

Information on current events, funding structures and contact online at:

<https://www.ovgu.de/en/ContactResearchFundingAdvice>

<https://www.euhoerschulnetz-sachsen-anhalt.de/en/>
