

ERA-NET Cofund Smart Urban Futures Joint Call for Proposals

**Submission deadline pre-proposals:
15 March 2016 at 12:00 CET**

**Submission deadline full proposals:
20 September 2016 at 12:00 CET**

ERA-NET Cofund Smart Urban Futures

The ERA-NET Cofund Smart Urban Futures (ENSUF) was established by the Joint Programming Initiative (JPI) Urban Europe in order to initiate a transnational joint call for RDI proposals developing our knowledge of the urban condition and sustainable development through creation and testing of new methods, tools, and technologies required to overcome current economic, social, and environmental challenges. ENSUF is supported by the European Commission and funded under the Horizon 2020 ERA-NET Cofund scheme*.

JPI - URBAN EUROPE

The aim of the JPI Urban Europe is to create attractive, sustainable and economically viable urban areas, in which European citizens, communities and their surroundings can thrive.

The JPI Urban Europe focuses on how to:

- Transform urban areas into centres of innovation and technology
- Ensure social cohesion and integration
- Reduce the ecological footprint and enhance climate neutrality
- Take advantage of technological solutions and realize efficient and sustainable urban systems and networks (mobility, energy, water, ICT, etc.)

www.jpi-urbaneurope.eu

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1. Introduction

Today, 80% of European citizens live in cities and urban areas¹. Cities are the main driver of change in economic development and growth, knowledge and creative generation/production, innovation, and overall liveability. With so many people in one place, urban areas are also the main stage for social, economic and environmental issues: cities are not sustainable in the broad and substantial sense. Urban areas therefore both face important sustainability challenges and at the same time form an ideal setting to generate solutions. To address these challenges and seize these opportunities, knowledge from different perspectives is needed that is also implemented into new solutions. The call topics will enable participants to develop projects that aim to have substantial impact in shaping smart urban futures.

The ERA-NET Cofund Smart Urban Futures (ENSUF) was established by the Joint Programming Initiative Urban Europe (JPI UE²) in order to initiate a transnational joint call for research, development and innovation (RDI) proposals addressing new solutions in urban sustainable development, and demonstrating the feasibility to tackle the implementation gap. The implementation gap is here understood as the disconnection between the current state of knowledge in models and visions of sustainable development and the implementation of this knowledge into policy, planning, management and design of European cities. This gap shall be tackled by supporting transdisciplinary and interdisciplinary integrated urban research and innovation projects. To address this and support urban sustainable transitions, the ENSUF proposes a more holistic and systemic approach to balance currently predominant sectorial approaches.

The call asks researchers, practitioners, innovators, municipalities, urban utilities, businesses and other stakeholders dedicated to the development of European urban areas, to join forces and create transnational projects for research and innovation, which by the very nature and commitment of the relevant partners give an example of implementation and demonstration within the field. ENSUF appreciates and encourages collaboration between multiple partners from across Europe, with broad geographical spread where this is of relevance to the research project and its implementation.

The projects submitted in this call should operationalise (see page 8 for the full scope description):

- Transdisciplinary co-creation in research and innovation;
- Smart integrated urban development;
- Utilisation of the spatial and institutional perspective of urban areas thus bridging gaps between research disciplines, citizens and decision makers, cities and consumers.

The contents of projects resulting from this call should address one or more of the following topics (see page 9 for full topic descriptions):

- Concepts and strategies for smart urban transformation, growth and shrinkage;
- New dynamics of public services;
- Inclusive, vibrant and accessible urban communities.

¹ Key terms are defined in the Glossary, see Annex D.

² www.jpi-urbaneurope.eu

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Proposals for collaborative transnational projects should **ideally cover strategic and applied research as well as innovation and implementation**, but with reference to the topic addressed in the proposal and the available funding for the project partners on the national or regional level.³ There is no funding available for industrial/commercial scale pilot projects (see page 12 for the full description of the eligibility criteria and conditions for participation).

The **call for pre-proposals** is **open until 15 March 2016 (12:00 noon CET)**. In May 2016 applicants will be invited to enter the second stage of the procedure: the **call for full proposals** will **close on 20 September 2016 (12:00 noon CET)**.

This document describes the objectives, scope, and topics of the call, rules for participation and procedures from proposal to implementation of the projects. Further information on the joint call can be found on the JPI Urban Europe website <http://www.jpi-urbaneurope.eu>.

³ For the definition of the three stages of the research, development and innovation process cf. Annex B. Please take into account that different funding agencies will have the possibility to fund different parts of the R&D chain.

Table 1: National Funding Agencies: Amounts and focuses

Table 1 shows the minimum national and regional contribution that is available for this Call from each Funding Agency. The total national and regional budgets for this call will be co-funded by the European Commission through Horizon 2020. The additional budget of the European Commission will be used in a flexible way (not in a proportional way to national and regional budgets) to fund as many high quality projects of the ranking list as possible. A total amount of public funding of maximum 23.5 M€ will be provided by national and regional funding agencies, including support from Horizon 2020.

Country	Agency	Funding 2015- 2018 (3 years)	Focus on stage of the research, development and innovation process*		
			Innovation and implementation	Applied research	Strategic research
Austria	FFG	2 M€	XX	XX	X
Belgium	F.R.S. – FNRS	0.2 M€	X	X	XX
	FWO	0.2 M€			XX
	Innoviris	0.6 M€	XX	XX	X
Cyprus	RPF	0.35 M€	X	XX	X
Denmark	IFD	1 M€	XX	XX	X
Finland	Tekes	1 M€	XX	X	
	AKA	0.5 M€		XX	XX
France	ANR	1 M€		XX	XX
Italy	MIUR	0.6 M€	X	XX	XX
Latvia	VIAA	0.3 M€	X	X	XX
Lithuania	RCL	0.2 M€	X	X	X
Netherlands	NWO	2 M€	X	XX	XX
Norway	RCN	1 M€	XX	X	X
Poland	NCN	0.25 M€			XX
Portugal	FCT	0.4 M€	X	XX	XX
Romania	UEFISCDI	1 M€	XX	XX	
Slovenia	ARRS	0.3 M€			XX
Sweden	Formas	2 M€	X	XX	XX
	Swedish Energy Agency	0.9 M€	XX	XX	X
	VINNOVA	1 M€	XX	X	X
Turkey	TÜBITAK	0.35 M€	X	X	X

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Country	Agency	Funding 2015- 2018 (3 years)	Focus on stage of the research, development and innovation process*		
			Innovation and implementation	Applied research	Strategic research
United Kingdom	AHRC / EPSRC / ESRC	1.8 M€	X	XX	XX

*For the definitions of “strategic research”, “applied research” and “innovation and implementation” used in this call text, please see Annex B.

XX = The funding agency is primarily focused on funding research in this stage.

X = The funding agency has the mandate to fund projects in this stage.

2. Scope

This ENSUF call is issued by JPI Urban Europe. ENSUF aims to answer some of the challenges as presented in the JPI Urban Europe Strategic Research and Innovation Agenda (SRIA)⁴. This Agenda was designed to help address the implementation gap in sustainable urban development. To this end, ENSUF asks to operationalise the following elements in projects:

- *Transdisciplinary co-creation in research and innovation.* Transdisciplinarity is a collaboration spanning multiple partners, both academic and non-academic, to solve a common problem. Non-academic partners may include city officials, NGO's, companies, civil society, grassroots movements etc. In co-creation projects all these different partners bring in specific know-how and together create new knowledge, instruments, products or policies. In transdisciplinary co-creation it is thus important to recognize value and combine not just academic knowledge, but also practical and local knowledge. This is required to reduce the implementation gap and increase the integration of urban research and innovation.
- *Smart integrated urban development.* Smart urban development is understood in the ENSUF call to be about the connectivity, accessibility and integration of various systems, sectors, services, infrastructures and public institutions to increase urban liveability. The projects should consider possible pathways to achieve smart sustainable cities, focusing on integration of various urban sectors. In smart sustainable cities, ICT and data help to 'smartly' organise flows in peoples' everyday life practices concerning e.g. energy, water, materials, food, goods, ideas, and politics. By bringing these things together, a smart approach is also an enabler for co-creation and social and open innovation.
- *Utilising the spatial and institutional perspective of urban areas.* Urban challenges cannot be separated from the regional and local setting in both the actual spaces and the institutions (the processes, practices and formal and informal rules). However, wider perspectives can also feed into these local scales. The projects in the ENSUF should therefore connect these different scales. This can for example mean connecting more general scientific knowledge with the specific spatial and institutional needs and requirements. This can be called an *urban innovation ecosystem*: a set of relations between stakeholders, researchers and initiatives which together make up an integrated effort for implementation and validation of approaches and solutions.

Gender aspects

Applicants should always consider whether gender perspectives are relevant to the research questions the project will examine. If this is the case, these perspectives and the way they will be treated in the project must be described in the application.

⁴ See JPI Urban Europe Strategic Research and Innovation Agenda (2015): <http://jpi-urbaneurope.eu/downloads/jpi-sria-def-pdf/>

3. Call Topics

In order to develop our knowledge of the urban condition and sustainable development – through creation and testing of new methods, tools, and technologies required to overcome current economic, social, and environmental challenges – project proposals should address at least one of the following topics:

- Concepts and strategies for smart urban transformation, growth and shrinkage;
- New dynamics of public services;
- Inclusive, vibrant and accessible urban communities.

Each call topic description below presents a set of questions. One or more of these should be addressed by submitted proposals. Additional questions to these may also be explored within the given topics.

Within all three topics, Urban Living Labs including cities, citizens, companies and research can be used as combined research, learning and demonstration platforms for new ideas and solutions.

Concepts and strategies for smart urban transformation, growth and shrinkage

European cities and urban areas show very diverse dynamics: growth, stability or even shrinkage in population, activities and revenue, aging and rejuvenating urban populations etc. While patterns of transformation, growth and shrinkage certainly pose challenges to cities across Europe, they also offer opportunities to increase awareness of their strengths and weaknesses, and use the transition process to create a smart and robust urban ecosystem, with better integrated infrastructures and institutions.

Projects on this topic should **create a better understanding of the interplay between cities and their surrounding rural areas (in terms of land-use, transport, environment and energy) and identify how transformation, growth and shrinkage dynamics can be exploited as an opportunity** to revise spatial structures, decision processes and stakeholder cooperation for better livelihoods and quality of life. Untapped urban space, infrastructures and institutions can be better exploited by analysing the economic, social and environmental impact of urban transformation, growth and shrinkage processes and developing smart and sustainable transformation pathways. In managing processes of growth or shrinkage, cities can decide to use them as a driver for change, to strengthen the quality and resilience of the urban environment. Potential scenarios include; sustainable use of vacant spaces (e.g., perforation and concentration); demolition of building stock; redevelopment of urban cores and landscape zones with integration of green and blue structures in urban environments; improving connectivity and transit-oriented development; attracting new residents and businesses; and building partnerships between stakeholders.

Projects related to this topic should address at least one, preferably several of the following issues:

- How to create a holistic vision, set targets and identify the right transition pathways for implementation, with strategic alignment and streamlining of activities?
- How can digitalisation enable new services or maintain service levels in shrinking areas?
- How to consolidate a long-term commitment of innovation triangles across municipal departments, industry, research and citizen stakeholders, developing a robust foundation for risky decisions?
- How to boost the transformation or growth areas towards the new vision or identity by recognising, creating and using urban innovation ecosystems to motivate talented people, companies and new business ideas?
- Development and implementation of new technologies and systems to support participatory urban planning and decision making such as modelling, data services or integrated

communications systems and the policy and social capability to use and implement such systems effectively for the benefit of the city.

- Explore which specific social innovations, new products or tools, and services could help cities facing challenges with respect to demographic growth or shrinkage, demographic changes such as an aging population or high levels of migration.

New dynamics of public services

In recent decades many urban areas in Europe have seen a significant change in the structure and organisation of public service provision. Recent circumstances and dynamics stemming from economic, social and environmental trends intensify the necessity to rethink traditional models. This topic is included to help to **develop new and innovative approaches in the realm of public services which in turn will increase the capacity of urban areas to answer local challenges.**

There is a disconnection between the current state of knowledge in models and visions for public services required for sustainable urban development and the implementation of this knowledge into the planning, management and delivery of services. The development of new ways of active participation and co-creation and the optimal use of open data can help address urban challenges and bridge the implementation gap.

The implementation of new forms of public service provision, including Private-Public-(People)-Partnerships, can provide the ground for negotiating interests among communities and citizens, to create shared values and democratic citizenship, community and civil society.

Emphasis should be placed on understanding users' service needs, and ensuring equal access to these services, and acceptability, fairness and equality in service provision. The effects should be identified and assessed, in order to develop and adjust tools, service design methods, actions, governance structures and new socio-technological and socio-ecological methods that contribute to an optimal utilisation of the new dynamics in public services.

Projects related to this topic should address at least one, preferably several of the following issues:

- Identify societies' needs for public services. With new methods, tools and activities, what society needs from public services should be identified and a continuous dialogue and a process of co-creation should be developed in order to react to challenges.
- Identify the potential of using "open data" for linking new public and private services to cities and citizens. Public bodies produce, collect and pay for a wealth of "open data". These data provide an evidence base for research and innovation which can guide the development, implementation and delivery of new policies, tools and services for urban populations, and can help to strengthen citizen's participation in political and social matters and the innovation potential in and of European urban areas. The research should also investigate and take into account potential risks of using open data.
- Explore the potential of new dynamics of public services to bridge the implementation gap. This gap is the disconnection between the current state of knowledge in models and visions which are required to make sustainable urban development a reality and the implementation of this knowledge into urban planning and management. Paying attention to local contexts and the characteristics of urban spaces are of pivotal importance for research and innovation under this theme.
- Explore the potential of pre-commercial procurement to boost innovation. Pre-commercial procurement processes enable new Private-Public-(People) solutions, corporate activities and demonstrations. These can be commercial references for innovative SMEs and examples of improved public services through innovative procurement.

Inclusive, vibrant and accessible urban communities

Cities play an active role in shaping the connections and social processes which take place within them. Urban planning, design, and governance can help to support creative and inclusive communities, or they can literally build walls between groups and close down possibilities for interaction and innovation. This topic examines the **everyday needs and challenges facing different social and cultural groups in the city, and how individual and community practices, urban governance, businesses, infrastructures and urban regeneration can support sustainable urban development and the peaceful integration of diverse communities.**

Further progress on diminishing urban inequalities and conflicts requires the co-production of knowledge and solutions. Urban governance must effect local change and must contribute to implement broader national policy and legislative agendas successfully to alleviate pressure and promote cohesion. There are many innovations that could support new forms of engagement and support for communities and their applicability should be explored in real contexts through the development of transdisciplinary and co-creative experimentation, for instance by urban living lab approaches (see Annex C). Similarly, the development of new forms of local community and individual practices can be supported through experimentation in urban living labs or similar methodologies to alleviate specific conflicts or frictions within urban areas.

Projects related to this topic should address at least one, preferably several of the following issues:

- How to successfully use urban living labs - including cities, citizens, companies and research - as combined research, learning and demonstration platforms for new ideas and solutions to support the creation of inclusive and vibrant communities.
- Explore co-creative urban planning and governance mechanisms with multiple stakeholders which address the needs of a range of different communities in a range of spatial contexts such as public parks, housing developments or town centres.
- Develop different forms of infrastructure investment schemes which can be used to enhance community wellbeing and offer insights in how to plan new infrastructures or modify existing infrastructures to promote inclusiveness and accessibility.
- Explore how currently deprived or poorly maintained areas of the city can be developed and rehabilitated without further exclusion of existing communities.
- Explore how to create internationally attractive innovation clusters based on top-notch talent. Innovation clusters include companies aiming for growth and which simultaneously creating vibrant communities.
- Develop new applications by integrating technologies, products or services such as ICT-based services into everyday situations, which facilitate community interaction and engagement such as educational programmes targeting excluded communities or apps which offer support in engagement with local government.
- Develop new business models to support vibrant and accessible urban communities. Examples are crowdsourcing, social entrepreneurship, self-organised citizen-driven services and pop-up businesses.
- Offer insights into the scale and nature of urban exclusion and the challenges facing different communities and develop transdisciplinary proposals to address these challenges.
- Develop new technologies to offer new forms of community self-organisation and promote cohesion and political participation.
- Offer coherent and sustainable policy recommendations to urban governance institutions to support diversity and the development of vibrant urban communities.

4. Rules for Participation

Some requirements are common for all applicants and funding agencies. In addition to these *general requirements* there are *specific funding agency rules* which apply to applicants that claim funds from a specific funding agency (see Annex A for guidance and for web links to further guidance on agency websites). The term “proposal” is used both for the pre-proposal in the first stage of the evaluation procedure and the full proposal in the second stage.

Types of research, development and innovation activities

As stated in chapter 1, this call is open for proposals referring to a broader range of research types from strategic research to innovation. For more information on the different types of projects, see Annex B. Different funding agencies will have the possibility to fund different parts of the R&D landscape. Table 1 indicates which kind of activity will be funded by which funding agency. The combination of different types of research within one project (differentiation at work package level) is favoured and possible as long as involved funding agencies’ eligibility rules are fulfilled. The key characteristics of the three stages of RDI activities are defined as follows:

- While strategic and applied urban research are both focused on producing knowledge, “urban innovation and implementation” take things one step further, and promotes the actual creation or advancement towards new policies, practices, services, products or processes – such as integrated systems, tools, services and data – in such a manner that the first impact takes place during the project. Policies, practices, processes, services or products being developed could be of commercial value, but equally welcome is innovation directed at public governance, management, and operation. Urban innovation is always carried out in close collaboration with practitioners or other target audience.
- Understanding of how cities function is required to influence policy and intervention. Achieving this influence through knowledge creation is often referred to as “applied urban research”. Applied urban research in this context is about how city officials, citizens, practitioners, and others can influence and interact with a city, with a purpose of improving it or adapting it in some respect. In applied urban research there is good opportunity to involve representatives from non-academic institutions in the projects, to bring the practitioners’ perspective in order to co-produce knowledge relevant for user stakeholders. Applied urban research is designed to be tangible and applicable to such a degree that the results are likely to have an impact on actual decisions and policy. Apart from publication in peer-reviewed journals, knowledge exchange activities such as policy briefings, policy seminars and other events targeted at stakeholders are important, as well as dissemination in popular media.
- The term “strategic urban research” is defined as that which is driven by the desire to know, understand, and explain how cities function and interact across domains and sectors. Strategic urban research by this definition encompasses qualitative as well as quantitative approaches, and examples can be found in any academic discipline. The subject of this type of research can be an individual aspect of a city or a city in its entirety, or even a network of related cities. Strategic urban research can be theoretical, comparative or case specific. For strategic urban research, the prime goal is to expand on the common knowledge about how cities function. In line with this, it places a high value on traditional scientific method and publication in high ranking peer reviewed journals.

Who can participate and apply?

Each project proposal must be submitted by a project consortium consisting of at least three eligible applicants from at least three participating countries. Each project consortium must have the interest and competence to undertake research, development and/or innovation within the specified themes.

Applicants

An organisation/institution or a natural person of the lead organisation is the Main Applicant, depending on the specific eligibility rules of the different agencies. In addition, a proposal must have at least two Co-applicants. The proposal may also include Co-operation Partners, whose role is described further on. If the funding is granted to a natural person, each natural person may only participate in a maximum of two proposals, and only once as Main Applicant. In the proposal the participation of all partners involved must be convincingly justified.

Only applicants located in the following ENSUF countries are eligible to apply as Main Applicant or Co-Applicant, irrespective of their nationality: Austria, Belgium, Cyprus, Denmark, Finland, France, Italy, Latvia, Lithuania, the Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Sweden, Turkey and the United Kingdom. Applicants from other countries may participate as a Co-operation Partner.

Applicants can come from organisations such as:⁵

- Companies (from industry/large companies to SMEs)
- Cities, municipalities, regions
- Consumers (e.g. business enterprises, test households, etc.)
- Citizens' representatives, NGOs
- Research organisations (universities, university colleges, research institutes or other authorities with research undertakings)

Main Applicant's role

The Main Applicant will be responsible for running and managing the project. S/he will be the contact point with ENSUF on behalf of the whole consortium and is responsible for the administrative management of the complete project, should it be awarded funding. In addition, the Main Applicant is responsible for leading the project activities at his/her own organisation. The Main Applicant must be affiliated with an organisation situated in one of the 18 participating countries in this call. The specific eligibility rules of the respective funding agency apply.

Co-applicants' role

Each Co-applicant is responsible for leading the project activities at his/her own organisation. There may be more than one Co-applicant from any one country. If there is more than one Co-applicant from a country, one of them needs to be identified as the national consortium leader. Each Co-applicant should be affiliated with an organisation situated in a participating country. The specific eligibility rules of the respective funding agency apply.

Co-operation Partners

Partners from countries not participating in this call, or partners that are not eligible for funding from participating agencies, may be included in the projects as Co-operation Partners. Co-operation Partners can be included in the consortium if (a) they finance their activity from other sources and

⁵ Please note that a specific funding agency may not fund each type of organisation. If a partner is not eligible for funding the partner can still participate as co-operation partner. For further information cf. Annex A.

(b) the consortium in general fulfils the requirements on the number of applicants from participating countries. Project consortia involving Co-operation Partners must ensure that project results will be relevant for participating countries.

Eligibility requirements and recommendations

The call secretariat will verify the eligibility of the proposals according to the transnational eligibility criteria below. The participating funding agencies will verify the suitability for national funding according to their respective eligibility criteria.

If either the Main Applicant or the proposal does not meet the eligibility requirements, the proposal will not be admitted to the evaluation procedure. In case a single Co-applicant is not eligible, the proposal may still be eligible without this partner if and when the eligibility criteria are met by the proposal. In both cases, this will be communicated to the Main Applicant.

If a proposal is “eligible”, this does not mean that it will be awarded funding, but only that the proposal will be admitted to the evaluation procedure.

Project consortium

The added value resulting from transnational cooperation must be addressed in the proposal. There is no limit to the total number of partners who may be involved in each project. However, proposals for medium-sized projects submitted by consortia comprising applicants from approximately 3-5 funding agencies are expected. Consortia need to be balanced between countries both in terms of number of partners and distribution of budget. No one partner may represent more than 70% of the activity in the project.

- Consortia may consist of partners from research organisations, companies, cities/municipalities, NGOs etc. (see paragraph on “Applicants” above).
- Consortia may consist of partners active across several positions within the research and development system (i.e. innovation, applied research, strategic research) and across disciplines.
- Consortia may include partners represented by the beneficiaries (i.e. the groups of people who may be affected both of the questions/challenge addressed in the application as well as the proposed solution).
- In the case of an Innovation project, consortia are required to prove the interest and active involvement of project partners in the consortium, who will (either within the project, or as a consequence of the project) implement the solutions developed by:
 - Including stakeholders or implementation partners in the consortium who are eligible for funding;
 - or
 - Having stakeholders or implementation partners not eligible for funding, who express their interest in the full proposal in a Letter of Intent. The letter must contain an explicit declaration about the financial or in-kind contribution agreed upon. In-kind contributions are contributions in person hours of personnel or material contributions such as the use of specific software and access to facilities. In-kind contributions should be capitalised in the Letter of Intent and should be an integral component of the project plan. The amounts stated in the letter must agree with the amounts stated in the budget for the proposal.

Please also see Annex A for the specific Funding Agencies’ rules regarding eligible applicants.

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On the Urban Europe website www.jpi-urbaneurope.eu information is provided in order to support consortium building. Applicants looking for project partners can generate a “Partner Search Form” describing the profile of the organization they want to collaborate with. A template of the Partner Search Form (PSF) can be downloaded via the JPI Urban Europe website. The completed form shall be sent to the Call Secretariat *until February 12, 2016* who will publish it on the JPI Urban Europe website and on the LinkedIn Group “ERA-NET Smart Urban Futures”.

Project duration

Projects may be funded for a maximum of 3 years, and must start between December 2016 and March 2017. The starting date may depend on the budget allocation (rules) of the specific funding agencies. The end date of a project should be harmonised for all applicants in the same consortium.

Funding

The total funding available in this programme amounts up to 23.5M€ across all participating applicants. There are no fixed minimum or maximum limits for a project size. Medium-sized projects with total budgets requested from the funding organisations in the range of 1-2 M€ are typically expected, which allows approximately 20 projects to be granted funding (total project costs can be higher). However, there are (national) funding limits for the respective partners. Table 1 indicates the bandwidth of funds available from each of the respective national funding agencies. For more information on the specific funding agencies’ rules, please see Annex A.

In the proposal a justification of the requested budget will be required. The estimated budget must be given in Euros only and be tabulated according to the proposal template provided. All costs must be eligible according to the funding agencies’ rules available (see Annex A). In case of doubt, applicants should consult their respective funding agencies which can advise on funding rules.

Funding agencies’ rules and eligibility criteria

In addition to the general rules and procedures laid down in this document, there may be specific funding agencies’ rules to be followed by the applicants, e.g. funding agencies’ eligibility criteria for certain organisations, co-funding requirements, national evaluation rules, maximum funding per partner or per project, etc. It is strongly recommended that these are checked with the contact person at the respective funding agency (see „Annex A: Specific Funding Agencies’ Rules” for the indicated national contact persons at the participating funding agencies) before submitting a proposal.

Please note the limitations regarding the types of activities the different funding agencies are able to support.

Both transnational and funding agencies’ eligibility criteria must be positively met.

Language and form

Proposals must be prepared in English using the designated proposal form. Proposals written in other languages will not be accepted. The proposal form should be completely filled in; incomplete proposal forms will be ineligible.

Submission

Submission of a pre-proposal must be done by means of the FFG electronic submission system (<https://ecall.ffg.at>) ***before the deadline of 15 March 2016 12:00 CET.***

Submission of a full proposal must be done by means of the FFG electronic submission system (<https://ecall.ffg.at>) ***before the deadline of 20 September 2016 12:00 CET.***



Project no. 693443

ERA-NET Cofund Smart Urban Futures

An **online help document for submission** is provided via https://ecall.ffg.at/upload/medialib_cifs/eCall_Help_final.pdf. The pre-proposal/full proposal may only be submitted if **all co-applicants / co-operation partners** have previously **completed and submitted** their partner proposals in eCall. Therefore it is **within the main applicant's duties to ensure timely submission of all partner proposals and of the pre-proposal/full proposal as a whole**. The process of the invitation and "application" of project partners (co-applicants or co-operation partners) is described in detail in chapters 6 and 11 of the eCall help document (see above). The terms "partner proposal" and "partner application" are used equally. The "partner application" (or "partner proposal") only includes the master data of the project partner and does not mean that the pre-proposal must be submitted several times. It is not possible to resubmit the pre-proposal/full proposal or parts of it or to revise the pre-proposal/full proposal after the submission deadline.

By transmitting your pre-proposal/full proposal, you agree that it is forwarded to your responsible funding agency as well as to all other participating funding agencies involved in ENSUF.

If, after reading the instructions on the website www.jpi-urbaneurope.eu, you still have technical questions about the use of the system, please contact the Call Secretariat at FFG (see chapter 7).

5. Evaluation

Evaluation procedure

Within the framework of ENSUF a **two-stage procedure** will be adopted. In the first stage, consortia are invited to submit pre-proposals (consortium members, concise project description of no more than a couple of pages, and a budget indication with limited detail and according to national requirements). The pre-proposals will be assessed regarding the potential of the project focusing on the innovative idea of the project, the aim in line with the objectives of the call, the composition of the consortia and the potential of the project. After the submission of the pre-proposals, a selection of approximately 50 pre-proposals will be made. The successful consortia will then be invited to elaborate their ideas to full proposals. Unsuccessful consortia will be provided with an overall assessment of the quality of their pre-proposals.

Eligible proposals, both pre-proposals and full proposals, will be evaluated in an open competition in which an independent international Expert Panel will rank proposals according to the programme's evaluation criteria stated below. The Panel will consist of recognised experts in relevant fields, academics as well as practitioners and innovators, who can assess the scientific as well as the innovative and practical values of the submitted Smart Urban Futures projects. The Panel will be appointed by the participating organisations. Applicants will have no possibility for rebuttal to the committee's evaluation.

Based on the ranking by the Expert Panel, and taking into account the available (national) budgets, the participating national and regional funding agencies of ENSUF will take funding decisions. Funding decisions are final, and cannot be appealed.

A written statement on the evaluation of each full proposal will be sent by the Call Secretariat to the Main Applicants. The Call Secretariat will inform the Main Applicants of projects that have been recommended for funding, on the subsequent contracting procedure.

Note: Each project recommended for funding is required to have a signed consortium agreement between all partners prior to the start of the project, at least addressing the following topics:

- Internal organisation and management of the consortium
- Intellectual Property arrangements
- Settlement of internal disputes

Evaluation criteria

Proposals will be evaluated according to the following criteria and with regard to the project type(s) ranging from strategic research to innovation. The consortium is responsible for assigning a proposal to (a) specific project type(s). A proposal can be assigned to more than one project type (for example, different work packages or partners might fall under different project types); this will be taken into account during the evaluation.

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*) *Criteria used for both evaluating the pre-proposals and the full proposals. Criteria without asterisk are used only for the evaluation of full proposals.*

Excellence	5 points
<ul style="list-style-type: none"> ▪ Originality, innovativeness and contribution to new strategic knowledge and breakthrough implementation *) ▪ Appropriateness of conceptual approach *) ▪ Feasibility of aims and objectives of project ▪ Feasibility and suitability of project design and methods ▪ Handling of development risks ▪ Added value of European trans-national co-operation *) 	
Impact (potential impact of the results of the R&I project)	5 points
<ul style="list-style-type: none"> ▪ Fit to objectives, aims and topics of the call text *) ▪ Extent to which the project is likely to be of value to user communities/cities e.g. by involving an appropriate number of partners across Europe *) ▪ Potential of the project, e.g. societal impact or market potential *) ▪ Suitability of proposed arrangements for disseminating and communicating outcomes of the project 	
Quality and efficiency of the implementation of the R&I project	5 points
<ul style="list-style-type: none"> ▪ Value for money *) ▪ Appropriateness of costing ▪ Feasibility and appropriateness of timescale *) ▪ Suitability of expertise, balance of substantial contributions of members to project consortium *) ▪ Composition of consortium compared to the topics needs and European relevance *) ▪ Appropriateness of management arrangements for project ▪ Track record and/or other key expertise of consortium members ▪ Interdisciplinary, cross-sectorial collaboration, and co-creation *) 	

Gender equality

There shall be no discrimination due to gender in the processing of applications.

Scoring and thresholds

Experts will evaluate on the basis of the criteria ‘excellence’, ‘impact’ and ‘quality and efficiency of the implementation’. Evaluation scores will be awarded for each criterion, and not for the different aspects listed in the above table. For pre- and full proposals, each criterion will be scored by the Expert Panel, using the following scale: 0) Unacceptable, 1) Weak, 2) Average, 3) Good, 4) Very good, 5) Excellent. Half marks can be used. The threshold for individual criteria will be 3. The overall threshold, applying to the sum of the three individual scores, will be 10.



Project no. 693443

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Time Schedule

15 March 2016	Deadline Submission of pre-proposals
March 2016	Eligibility check
May 2016	Meeting of Expert Panel to assess pre-proposals
May 2016	Invite applicants to submit full proposals
20 September 2016	Deadline Submission of full proposals
September 2016	Eligibility check
November 2016	Meeting of Expert Panel to assess full proposals
December 2016	Funding recommendation by the ENSUF Steering Committee
December 2016	Announcement of results to Main Applicants
December 2016-March 2017	National funding decisions and contracts completed Start of projects
2017	Kick-off meeting Projects
2018	Mid-term Projects Event
2019	Final Projects Event

Documentation and forms

All documents (including application forms and procedure guidelines) are published on the Urban Europe website: www.jpi-urbaneurope.eu

6. Project Implementation and JPI Urban Europe Activities

This call is part of the transnational Joint Programming Initiative Urban Europe which includes various joint programme activities (e.g. knowledge sharing, networking) that are described in this section. Projects funded via this call will become part of the programme of the JPI Urban Europe. Participants of projects funded via this call are expected to actively participate in the programme activities and to consider this in the planning of their project proposal by including budget to participate in the JPI Urban Europe programme activities.

Project monitoring and reporting

Project monitoring and reporting will be in accordance with the respective funding agency's rules. In addition to the respective funding agency's requirements, the consortia are expected to deliver short progress reports to the ENSUF Call Secretariat, in English, on an annual basis, including a description of their transnational cooperation and a publishable summary of the project status. A reporting template will be provided on the programme website.

Twice per project running time (mid-term and final) a detailed survey must be completed by the main applicant. This survey includes key performance indicators for project progress and their contribution to the overall aim of the call.

Furthermore, one project observer from one of the participating funding organisations will be assigned to each of the funded projects to monitor the progress in transnational cooperation on behalf of the participating funding organisations and to provide a communication link between the project, the Call Secretariat, the JPI Urban Europe and the European Commission.

Programme activities

The coordination of the programme is seen as very important for creating added value to the researchers involved in the programme. Three project events are foreseen. A project kick-off will be organised in 2017, a mid-term event in 2018 and a final event in 2019. Active participation of the funded projects is obligatory, e.g. by preparing short project presentations and/or posters. Additional network events are foreseen.

All consortia of funded projects are expected to prepare popular science summaries of the project contents for programme activities and JPI Urban Europe publications (e.g. for brochures, (digital) newsletters, the website etc.).

Time and budget of a maximum of €20.000 should be reserved by the consortium as a whole for monitoring and programme activities.

7. Contacts and Further Information

General information on the joint call

Updated information on this joint call and all relevant documents/templates are published on www.jpi-urbaneurope.eu.

If you have questions on the general call process and proposal submission, please contact the ENSUF Call Secretariat.

Johannes Bockstefl

FFG - Austrian Research Promotion Agency

Thematic Programmes Department

Tel.: +43 5 77 55-5042

E-mail: johannes.bockstefl@ffg.at

www.ffg.at

Joanna Komperda

NCN – National Science Centre Poland

Tel.: +48 12 34 19 138

Email: joanna.komperda@ncn.gov.pl

Contact points of participating funding agencies

For questions regarding specific funding agencies' rules and additional forms please check "Annex A: Specific funding agencies' rules" first. Additional information can be obtained by contacting the indicated national contact persons at the participating funding agencies.

Annex A: Specific Funding Agencies' Rules

Country/Region	Austria
Funding organisation	FFG – Austrian Research Promotion Agency
National contact person	Johannes Bockstefl E-mail: johannes.bockstefl@ffg.at Tel.: +43 (0)5 7755-5042 Website: www.ffg.at
Funding commitment	2.0 M€
Anticipated number of projects with Austrian partners	---
Maximum funding per awarded project	1.5 M€
Eligibility of a partner as a beneficiary institution	The organisations which are eligible for funding as well as the eligibility criteria for cooperation are listed in the national guidelines available via https://www.ffg.at/ausschreibungen/ensuf
Eligibility of costs	<p><u>Eligible costs</u></p> <ul style="list-style-type: none"> • Personnel costs • Overhead costs (as surcharge on all cost categories besides third-party costs) • Use of R&D infrastructure • Costs of materials • Third-party costs • Travel costs <p>For detailed information visit: https://www.ffg.at/sites/default/files/dok/kostenleitfaden_v_2_0.pdf</p>
Submission of the proposal at the national level	No, but specific national forms “Part C” necessary in the full proposal stage. Successful proposals in the full proposal stage must resubmit their national partner application via eCall for transfer into the national electronic submission system.
Submission of financial and progress reports at the national level	Yes, scientific and financial reporting carried out on an annual basis.
Information available at	https://www.ffg.at/ausschreibungen/ensuf
Other	We highly recommend to contact the NCP during the preparation of the project.

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Country/Region	Belgium, French-speaking Community
Funding organisation	Fund for Scientific Research - FNRS
National contact person	Freia Van Hee, freia.vanhee@frs-fnrs.be , +32 2 5049309 Joël Groeneveld, joel.groeneveld@frs-fnrs.be , +32 2 5049270
Funding commitment	0.2 M€
Anticipated number of projects with Belgian partners (funded by FNRS)	1
Maximum funding per awarded project	200.000 EUR
Eligibility of a partner as a beneficiary institution	FNRS funds basic research carried out in a research institution from the “Fédération Wallonie-Bruxelles”. The applicant must be affiliated to a research institution from the Fédération Wallonie-Bruxelles. FNRS will not fund industrial partners. The applicant should also be a permanent researcher of F.R.S. - FNRS or hold a tenure track position.
Eligibility of costs	The maximum amount allocated per project is 200.000 EUR . The following costs are eligible: <ul style="list-style-type: none"> • Personnel • Equipment (max. 50.000 EUR/project) • Running costs <p>“Overhead” is not an eligible cost. If the project is selected for funding, these costs will be subject to a separate agreement between the institution of the beneficiary and FNRS. General rules and regulations of FNRS apply: www.frs-fnrs.be</p>
Submission of the proposal at the national level	Not required at proposal stage. After the selection of a project for funding a negotiation procedure will take place that requires the submission of administrative documents.
Submission of financial and progress reports at the national level	Financial reports shall be submitted annually to the FNRS, a copy of the joint scientific reports should be sent to the FNRS.
Information available at	http://www.ncp.fnrs.be/index.php/appels/era-nets
Other	Please note that FNRS does not allow multiple funding; the principal investigator should clearly state how the proposed project differs from other granted projects. The principal investigator may participate in more than one proposal, but only once as a Main Applicant.

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Country/Region	Belgium, Flanders
Funding organisation	Research Foundation – Flanders (FWO)
National contact person	Olivier Boehme +32 2 550 15 45 Toon Monbaliu +32 2 550 15 70 eranet@fwo.be
Funding commitment	0.2 M€
Anticipated number of fundable research groups	1
Maximum funding per awarded project	0.2 M€
Eligibility of a partner as a beneficiary institution	<p>Art. 9 of the FWO-regulation on the regular research projects is applicable. In this article is stated who can apply as a Principal Investigator for a research project:</p> <ul style="list-style-type: none"> - an Independent Academic Staff (ZAP) member with an appointment of more than 10% at a Flemish university; - an Independent Academic Staff member with an appointment of 10% at a Flemish university and whose main task is research; - an Independent Academic Staff member with an appointment of 5% at a Flemish university and with an appointment as (assistant) clinical head or an equal function in a university hospital; - an academic staff member with an appointment at the Evangelic Theological Faculty in Leuven and the Faculty for Protestant Theology in Brussels; - a research director of the FWO; - a designated beneficiary of an ERC Starting Grant, an ERC Advanced Grant, an ERC Consolidator Grant or an Odysseus II grant, with a Flemish university as a host institution. <p>If more than one university is involved in the project, at least one promoter of each university has to fulfill the above mentioned eligibility criteria as well as to occupy a position covering entirely the period of the project that is applied for.</p> <p>The criteria have to be met with at the start of the project at the latest, which has to be proven at the date of submission. Funding money can be used for staff, consumables and infrastructure. The minimal and maximal amounts of money allowed per cost category, as applicable for the regular FWO-projects, are not applicable for the projects funded by FWO in ERA-NET. Moreover, FWO pays the host institutions of a project 6% overhead on top of the funding amount.</p>
Eligibility of costs	<ul style="list-style-type: none"> • Funding money can be used for staff, consumables and infrastructure. The minimal and maximal amounts of

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	money allowed per cost category, as applicable for the regular FWO-projects, are not applicable for the projects funded by FWO in ERA-NET. Moreover, FWO pays the host institutions of a project 6% overhead on top of the funding amount.
Submission of the proposal at the national level	No
Submission of financial and scientific reports at the national level	Yes
Information available at	http://www.fwo.be/en/fellowships-funding/european-programmes/era-net/ http://www.fwo.be/en/fellowships-funding/research-projects/research-project/regulations-for-research-projects/
Other	Changes in budget between pre- to full-proposal stage have to be reported.

Country/Region	Belgium, Brussels Capital Region
Funding organisation	Innoviris – The Brussels Institute for Research and Innovation
National contact person	Beata Bibrowska Advisor-EU RDI programs and projects Unit- Strategic Research E-mail: bbibrowska@innoviris.irisnet.be Tel: +32 (0) 2 600 50 22 Website: www.innoviris.be
Funding commitment	0.6 M€
Anticipated number of fundable research groups	Not applicable
Maximum funding per awarded project	No specific limits
Eligibility of a partner as a beneficiary institution	<p><u>Eligibility criteria and funding :</u></p> <ul style="list-style-type: none"> ○ Private companies established in the Brussels Capital Region with a sustainable activity in this region based upon a sound business model. The entities have not received public funding for the same activities. ○ Brussels Capital Region based universities and research organisations ○ Brussels based associations active in urban issues <p>Additionally to the general criteria developed by the ENSUF program, Innoviris funded ENSUF projects will fulfil some general regional criteria:</p>

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	<ul style="list-style-type: none"> ○ Each beneficiary develops entirely or partially its activities in Brussels Capital Region ○ Each beneficiary will perform a research or innovation activity in the project ○ The project will be innovative and will present the positive impact on regional economy and employment by valorization of results in the region <p>All applicants should demonstrate their viability and financial soundness regarding their own contribution to the project and the implementation of the results. Organisations that perform economic activities and are established in Flanders or Wallonia regions are excluded from Innoviris funding. Brussels municipalities are excluded from Innoviris funding.</p>																				
Eligibility of costs	<p style="text-align: center;"><u>Maximum funding rates</u></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr style="background-color: #e6f2ff;"> <th style="width: 15%;"></th> <th style="width: 15%;">Large enterprises</th> <th style="width: 15%;">Medium size enterprises</th> <th style="width: 15%;">Small enterprises</th> <th style="width: 15%;">Research organisations, universities and associations without economic activity</th> </tr> </thead> <tbody> <tr> <td>Strategic Research</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">100%</td> </tr> <tr> <td>Industrial research (applied research)</td> <td style="text-align: center;">65%</td> <td style="text-align: center;">75%</td> <td style="text-align: center;">80%</td> <td style="text-align: center;">100%</td> </tr> <tr style="background-color: #e6f2ff;"> <td>Experimental development (innovation)</td> <td style="text-align: center;">40%</td> <td style="text-align: center;">50%</td> <td style="text-align: center;">60%</td> <td style="text-align: center;">100%</td> </tr> </tbody> </table> <p>The associations with economic activities will be funded at the same conditions as private companies.</p> <p>Please consult the size of your company at: http://www.innoviris.be/fr/documents/taille-entreprise.pdf</p> <p>Eligible costs:</p> <ul style="list-style-type: none"> ○ Personnel costs ○ Operational costs ○ Investments costs ○ Indirect costs (10% of personnel and operational costs) ○ Subcontracting 		Large enterprises	Medium size enterprises	Small enterprises	Research organisations, universities and associations without economic activity	Strategic Research	N/A	N/A	N/A	100%	Industrial research (applied research)	65%	75%	80%	100%	Experimental development (innovation)	40%	50%	60%	100%
	Large enterprises	Medium size enterprises	Small enterprises	Research organisations, universities and associations without economic activity																	
Strategic Research	N/A	N/A	N/A	100%																	
Industrial research (applied research)	65%	75%	80%	100%																	
Experimental development (innovation)	40%	50%	60%	100%																	

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Submission of the proposal at the national level	Yes, for the full proposal stage. A special web page and regional application template dedicated to the ENSUF projects will be developed at www.innoviris.be
Submission of financial and progress reports at the national level	Yes, scientific and financial reporting realised at annual basis
Information available at	https://www.innoviris.be
Other	We highly recommend to contact the regional NCP during the preparation of the projects.

Country/Region	Cyprus
Funding organisation	RPF – Research Promotion Foundation
National contact person	Katerina Karakasidou Malla E-mail: kkarakasidou@research.org.cy Tel.: +357 22205036
Funding commitment	0.35 M€
Anticipated number of projects with Cypriot partners	RPF expects to fund 2 projects
Maximum funding per awarded project	175.000 Euro
Eligibility of a partner as a beneficiary institution	The Host Organisation (HO) and the Partner Organisations (PO) of the Cypriot Consortium could be Research / Academic Organisations, Enterprises or Public Benefit Organisation, located permanently in the areas under the control of the Republic of Cyprus (excluding the UK Sovereign Base Areas). The Cypriot Consortium can comprise of 1 to 3 partners (including the Host Organisation).
Eligibility of costs	See National Call for Proposals.
Submission of the proposal at the national level	No national proposal submission is expected until a project is retained for funding. After the selection of a project for funding a national negotiation procedure will take place that requires the submission of a national proposal, as well as a meeting of the Coordinator of the Cypriot Consortium with RPF representatives. Based on the outcome of the negotiation and providing that this is positive, a contract will then be signed between the HO of the Cypriot Consortium and RPF.

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Submission of financial and scientific reports at the national level	The submission of an interim report is anticipated, as well as a final report, covering both the scientific, as well as the financial progress of the project. Short six month reports are also foreseen.
Information available at	http://www.research.org.cy
Other	For Cypriot applicants, the funding rules of the Research Promotion Foundation apply. Please see the relevant National Call for Proposals, which is available on RPF's website.

Country/Region	Denmark
Funding organisation	IFD – Innovationfund Denmark
National contact person	Bo Søgaard E-mail: bo.soegaard@innofond.dk Tel.: +45 61 90 50 65 Website: www.innovationsfonden.dk
Funding commitment	1.0 M€
Anticipated number of projects with Danish partners	3-5
Maximum funding per awarded project	0.5 M€
Eligibility of a partner as a beneficiary institution	Link to relevant national Danish documents and guidelines: http://innovationsfonden.dk/da/soegemulighed/era-net-cofund-smart-urban-futures
Eligibility of cost	Link to relevant national Danish documents and guidelines: http://innovationsfonden.dk/da/soegemulighed/era-net-cofund-smart-urban-futures
Submission of the proposal at the national level	No
Submission of financial and scientific reports at the national level	Yes, scientific and financial reporting carried out on an annual basis.
Information available at	http://innovationsfonden.dk/da/soegemulighed/era-net-cofund-smart-urban-futures
Other	http://innovationsfonden.dk/en

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Country/Region	Finland
Funding organisation	Tekes – the Finnish Funding Agency for Innovation
National contact person	Mr. Ilmari Absetz, ilmari.absetz@tekes.fi , Tel. +358 50 5577 837
Funding commitment	1.0 M€
Anticipated number of projects with Finnish partners	2-4
Maximum funding per awarded project	Not Specified.
Eligibility of a partner as a beneficiary institution	Tekes funding is focused on innovation and main target group of funding is Finnish companies. Tekes can fund also Finnish cities and research organisations, but only together with Finnish companies using the parallel project funding scheme.
Eligibility of costs	According to Tekes national principles.
Submission of the proposal at the national level	In stage 2 after Expert Panel evaluation and Steering Committee recommendations for national funding the Finnish partners in projects recommended for national funding are invited to submit a Tekes funding application with short notice.
Submission of financial and progress reports at the national level	Typically 2-3 times annually. Reporting schedule can be adjusted to match the joint consortium reporting to ENSUF Call Secretariat.
Information available at	https://www.tekes.fi/funding/
Other	It is recommended to contact the National contact person already in early stage of project preparation.

Country/Region	Finland
Funding organisation	AKA – Academy of Finland
National contact person	Mr. Risto Vilkkö, risto.vilkko@aka.fi , Tel. +358 295 33 5136
Funding commitment	0.5 M€
Anticipated number of projects with Finnish partners	2-3
Maximum funding per awarded project	Not Specified.

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Eligibility of a partner as a beneficiary institution	In this call, the Academy of Finland funding is focused on strategic and applied research and the main target group of funding is Finnish universities and other research organisations.
Eligibility of costs	According to the Academy of Finland national principles.
Submission of the proposal at the national level	In stage 2 after Expert Panel evaluation and Steering Committee recommendations for national funding the Finnish partners in projects recommended for national funding are invited to submit a Academy of Finland funding application with short notice.
Submission of financial and progress reports at the national level	According to the Academy of Finland national principles.
Information available at	http://www.aka.fi/asu
Other	It is recommended to contact the National contact person already in early stage of project preparation.

Country/Region	France
Funding organisation	ANR – Agence Nationale de la Recherche
National contact person	Pascal Bain E-mail: pascal.bain@agencerecherche.fr Tel.: +33 (0)1 78 09 80 43 Website: www.agencerecherche.fr
Funding commitment	1.0 M€
Anticipated number of projects with French partners	---
Maximum funding per awarded project	No more than 300 000 € for a project coordinated by France and no more than 200 000 € for other projects.
Eligibility of a partner as a beneficiary institution	<p>Eligible applicants are French public research organisations (Universities, CNRS...), NGO and private companies (if companies or NGO are in a consortium with at least one public research organisation).</p> <p>For public research organisations, ANR grants cover only additional costs of the research projects, except for EPIC research organisations (CEA, BRGM, CSTB...) in consortium with at least one company, for which ANR covers 50% of the full cost;</p> <ul style="list-style-type: none"> • For SME, ANR grants cover 45% of the full cost; • For large and medium companies, ANR grants cover 30% of the full cost for basic and industrial research projects, 25% for

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	experimental development;
Eligibility of costs	<p>ANR funds basic and industrial research projects. Experimental development and innovation activities, if not excluded, should be minor activities compared to basic and industrial research activities.</p> <p>For detailed information on eligible costs, read: http://www.agence-nationale-recherche.fr/RF</p>
Submission of the proposal at the national level	No
Submission of financial and progress reports at the national level	<p>Financial reports shall be submitted annually to the ANR for the beneficiaries of the full cost funding model. A copy of the periodic joint scientific reports should be sent to the ANR.</p>
Information available at	http://www.agence-nationale-recherche.fr/en/funding-opportunities/current-calls/
Other	<p>Please note that ANR does not allow multiple funding; the principal investigator should clearly state how the proposed project differs from other granted projects. We highly recommend to contact the NCP during the preparation of the project.</p>

Country/Region	Italy
Funding organisation	MIUR – Ministry of Education, University and Research
National contact person	<p>For international aspects: Aldo Covello, tel. 06 9772 6465, E-mail: aldo.covello@miur.it</p> <p>For national aspects: Alberto Martuscelli, tel. 06 9772 7473, E-mail: alberto.martuscelli@miur.it</p>
Funding commitment	0.6 M€ as grants and 0.9 M€ as loan
Anticipated number of projects with Italian partners	3
Maximum funding per awarded project	200 K€
Eligibility of a partner as a beneficiary institution	<p>1) Type/nature of participants</p> <p>All legal entities listed in art. 60 of the Decree-Law n. 83/2012 as detailed in the notices issued to implement the call are eligible for</p>

	<p>funding.</p> <p>According to art. 60 of the Decree-Law n. 83/2012 and art. 4 of its implementing Ministerial decree 115/2013, the following entities are eligible: enterprises, universities, research institutions, research organizations, municipalities and municipal service companies.</p> <p>2) Legal/administrative/financial conditions: The participant must not be defaulting with regard to other funding received by the Ministry.</p> <p>The participant must not have requested/got any other funding for the same research activities.</p> <p>The participant must respect the Italian law against "mafia".</p> <p>3) Financial conditions</p> <p>For any private entity, the following financial criteria, calculated using the data reported in the last approved balance sheet, must be fulfilled</p> $CN > (CP - I)/2$ <p>Where: CN = net assets (Capitale netto) CP = sum of the costs of all the projects for which public funding has been requested by the participant during the year I = sum of the contributions received, approved or requested for the same projects</p> $OF/F < 8\%$ <p>Where: OF = financial charges (Oneri finanziari) F = turnover (Fatturato)</p>
<p>Eligibility of costs</p>	<p>All activities classifiable as Basic Research, Industrial research and Experimental development are eligible for funding. Furthermore, Basic and Industrial research activities altogether must be predominant with respect to Experimental development activities.</p> <p>All costs incurred during the lifetime of the project under the following categories are eligible: Personnel, Equipment, Subcontracting, Consumables, Dissemination and Coordination activities, and Overheads.</p>

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Funding rates	Applicant typology		Funding Rates			
			Enterprises and private research bodies (which meets the requirements of research organization under EU Reg. no. 651/2014 of the Commission - June 17, 2014)			Universities, public research institutions, research organizations (public and private) in accordance with Reg. EU n. 651/2014 of the Commission - June 17, 2014)
	Activity typology		Small Enterprises	Medium Enterprises	Big Enterprises	
	Industrial Research	grant	40%	30%	20%	50%
		loan	55%	65%	75%	0%
Experimental Research	grant	30%	20%	10%	25%	
	loan	50%	60%	70%	0%	
<p>On request of applicants a pre-payment may be done, equal to:</p> <ul style="list-style-type: none"> - 80% of the total contribution for public entities - 50% of the total contribution for private entities <p>The remaining part of contribute will be paid in instalments after each financial and progress reporting period.</p>						
Submission of financial and progress reports at the national level		Every six months.				
Information available at		http://www.ricercainternazionale.miur.it				
Other		It is recommended to contact the National contact person already in early stage of project preparation.				

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Country/Region	Latvia
Funding organisation	Valsts izglītības attīstības aģentūra (VIAA)
National contact persons	Tālis Laizāns E-mail: talis.laizans@gmail.com Tel.: +371 2945 9728 Maija Bundule Tel.: +371 67785423 E-mail: Maija.Bundule@viaa.gov.lv Uldis Berkis Tel.: +371 29472349 E-mail: Uldis.Berkis@viaa.gov.lv
Funding commitment	0.3 M€
Anticipated number of projects with Latvian partners	1-2
Maximum funding per awarded project	Maximum grant per partner 210.000 EUR (max 70.000 EUR/year)
Eligibility of a partner as a beneficiary institution	Legal bodies - universities, state research institutes, other research institutions: should be listed in the Latvian register of research institutions. Enterprises entered into the Latvian Commercial registry are eligible, assumed they are eligible to do the specific research and can prove possession of research resources in Latvia. Limitations of EU legislation apply (R 651/2014) together with financial reporting requirements. None of the supported activities should be subject to state aid scrutiny.
Eligibility of costs	<ol style="list-style-type: none"> 1. Personnel costs (researchers, technicians and other supporting staff to the extent employed on the research project) and relevant personnel taxes, maximum rates must be respected, 2. Other direct costs such as consumables, equipment (only depreciation costs), reagents, 3. Subcontracting (up to 25% of total direct costs), with justification, includes also external patents and licenses and all external services, 4. Travels and allowances according to travel plan, 5. Overheads can reach a maximum of 25% of the direct project costs exempt subcontracting, and must be shown to include only indirect cost categories. <p>Core activities cannot be subcontracted.</p> <p>The projects should correspond to the priorities of the Call. Duration of the project - up to 3 years. The activities must correspond to "research" according to Latvian Law on Scientific</p>

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	Activity.
Submission of the proposal at the national level	No submission at the proposal level
Submission of financial and progress reports at the national level	<p>In the contract phase annual scientific and financial reports will be required. Final research project cost statement must be audited by a sworn auditor in Republic of Latvia. Ethics and regulatory permissions are responsibility of the consortium.</p> <p>Latvian legislation requires conclusion of Consortium Agreement in order Latvian partner to be fundable.</p>
Information available at	http://viaa.gov.lv/lat/zinatnes_inovacijas_progr/era_net_proj/smart_urban_futures/
Other	<p>http://likumi.lv/ta/id/274671-atbalsta-pieskirsanas-kartiba-dalibai-starptautiskas-sadarbibas-programmas-petniecibas-un-tehnologiju-ioma</p> <p>These provisions must be respected without exception</p>

Country/Region	Lithuania
Funding organisation	RCL – Research Council of Lithuania
National contact person	<p>Agne Paleviciute E-mail: agne.paleviciute@lmt.lt Tel.: +370 5 236-0508 Website: www.lmt.lt</p>
Funding commitment	0.2 M€
Anticipated number of projects with Lithuanian partners	2
Maximum funding per awarded project	0.1 M€
Eligibility of a partner as a beneficiary institution	<p>Eligible implementing institution – a Lithuanian research and education institution included into the Register of Education and Research institutions facilitating the implementation of projects by project implementers, managing, in the procedure stipulated by laws, the State budget funds allocated to the project, and representing project partners (if any).</p> <p>Eligible project partner – a public or private legal entity that in cooperation with the implementing institution facilitates the project implementers in implementing the project.</p>

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Eligibility of costs	<p><u>Eligible costs</u></p> <ul style="list-style-type: none"> • Personnel costs, incl. social security costs • Travel • Consumables • Equipment • Other costs • Subcontracting • Overheads (up to 30% of Salaries and Subcontracting costs) <p>For detailed information visit: https://www.e-tar.lt/portal/lt/legalAct/b01de8c05f7511e4bad5c03f56793630 (in Lithuanian language)</p>
Submission of the proposal at the national level	No, but applicants might be asked to provide additional information in order to assess their eligibility.
Submission of financial and progress reports at the national level	Yes, submission of financial and scientific reports at national level is required in accordance with the rules of RCL.
Information available at	www.lmt.lt
Other	<ul style="list-style-type: none"> • We highly recommend to contact the NCP during the preparation of the project. • National funding will be provided according to the General Rules for the Competitive Funding of Research and Dissemination Projects of the Research Council of Lithuania approved by the Order No VIII-26 of the Council on 27 October, 2014.

Country/Region	The Netherlands
Funding organisation	NWO – Nederlandse Organisatie voor Wetenschappelijk Onderzoek
National contact person	Carolien Maas – van der Geest E-mail: c.maas@nwo.nl Tel.: +31 70 344 0511
Funding commitment	2.0 M€
Anticipated number of projects with Dutch partners	7
Maximum funding per awarded project	€ 300.000
Eligibility of a partner as a beneficiary institution	Senior researchers who are employed at Dutch universities, NWO- and KNAW-institutes, TO2 institutes and HBO institutes may apply for funding and participate in a consortium as main applicant or as

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	co-applicant.
Eligibility of costs	For this programme the general NWO standards are applied. The funding rules for all applicants (including TO2 and HBO institutes) will be in accordance with the VSNU contract ' Akkoord bekostiging wetenschappelijk onderzoek '. For more information and the specific funding requirements, please visit our website .
Submission of the proposal at the national level	Yes. After the Expert Panel evaluation, successful applications are required to submit their proposal at the national level.
Submission of financial and progress reports at the national level	Yes, submission of financial and scientific reports at national level is required in accordance with the rules of NWO.
Information available at	For more information and specific funding requirements please visit our website .
Other	---

Country/Region	Norway
Funding organisation	RCN – The Research Council of Norway
National contact person	Jonas Enge E-mail: jen@rcn.no Tel.: +47 40203416 Lena Cappelen Endresen E-mail: lce@rcn.no Tel.: +47 97006137
Funding commitment	1.0 M€
Anticipated number of projects with Norwegian partners	3
Maximum funding per awarded project	---
Eligibility of a partner as a beneficiary institution	<u>Norwegian research institutions</u> , and Norwegian companies/organisations that have been officially issued an enterprise number under the Register of Business Enterprises..
Eligibility of costs	Relevant project costs such as payroll expenses, procurement of external R&D services, depreciation of equipment used under the project and one or more grants/fellowships and direct project

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	expenses.
Submission of the proposal at the national level	Yes. This is a simplified procedure for registration into the RCN system for Norwegian project partners (after the funding decision).
Submission of financial and progress reports at the national level	Yes
Information available at	http://www.forskningsradet.no/en/General_application_requirements/1184159007037
Other	---

Country/Region	Poland
Funding organisation	NCN – Narodowe Centrum Nauki, National Science Centre
National contact person	Joanna Komperda E-mail: joanna.komperda@ncn.gov.pl Tel.: +48 341 9138
Funding commitment	0.25 M€
Anticipated number of projects with Polish partners	
Maximum funding per awarded project	€ 250.000
Eligibility of a partner as a beneficiary institution	Any researcher, with a doctoral degree, employed at a Polish institution may act as a Principal Investigator.
Eligibility of costs	<p>We strongly encourage all applicants to read information on eligible costs included in the Annex to NCN Council's Resolution on funding granted within calls for proposals for international research projects: https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2015/uchwala84_2015-zal1.pdf (p. 5-12).</p> <p>Please bear in mind that on the full proposal stage you will be requested to complete the following table: http://ncn.gov.pl/sites/default/files/pliki/2015_12_ensuf_budget_table.xls</p> <p>You can apply for funding for all costs relevant, necessary and directly connected to the proposed research project including:</p> <ul style="list-style-type: none"> • Personnel costs (please see: 2.1. in the abovementioned document);

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	<ul style="list-style-type: none"> • Equipment – the cost of an individual item of equipment must not exceed PLN 150 000 for Arts, Humanities and Social Sciences and 500 000 for Life Sciences, Physical Sciences and Engineering; • Other costs such as: <ul style="list-style-type: none"> ➤ Devices and software: costs of devices other than research equipment, as well as the cost of purchasing software instrumental ➤ Materials ➤ Outsourcing ➤ Business trips (travel and subsistence costs) ➤ Visits and consultations ➤ Costs for knowledge transfer ➤ Publication costs (incl. editing and translation costs) ➤ Other consumables <p>Overhead costs must not exceed a maximum of 30% of the total eligible costs (excl. equipment) and may not be increased during the course of a research project.</p>
Submission of the proposal at the national level	<p>On the full proposal stage you will be requested to complete the following table: http://ncn.gov.pl/sites/default/files/pliki/2015_12_ensuf_budget_table.xls</p>
Submission of financial and progress reports at the national level	<p>Submission of financial and scientific annual reports at national level is required in accordance with the rules of NCN.</p>
Information available at	<p>Applicants are obliged to adhere to the rules included in Annex to NCN Council's Resolution on funding granted within calls for proposals for international research projects: https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2015/uchwala84_2015-za11.pdf.</p>
Other	<p>Only proposals involving basic research may be submitted in response to the call for proposals. Basic research is defined as experimental or theoretical endeavours undertaken to gain new knowledge of the foundations of phenomena and observable facts, without any direct commercial use.</p>

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Country/Region	Portugal
Funding organisation	FCT (<i>Foundation for Science and Technology</i>)
National contact person	Nuno Moreira E-mail: nuno.moreira@fct.pt Tel.: +351 213911575 Marta Abrantes E-mail: marta.abrantes@fct.pt Tel.: +351 213911596
Funding commitment	0.4 M€
Anticipated number of fundable research partners	2
Eligibility of project duration	3 years
Maximum funding per awarded project	250.000€ for project with Portuguese coordination 150.000€ for project with Portuguese participation
Eligibility of a partner as a beneficiary institution	National regulations apply. http://www.fct.pt/apoios/projectos/regulamento.phtml.en (article 2)
Eligibility of costs	National regulations apply. http://www.fct.pt/apoios/projectos/regulamento.phtml.en (article 4)
Submission of the proposal at the national level	At national level applicants need to submit, by email to the contact person, a Declaration of Commitment duly signed, dated and stamped by the Head of the Portuguese Applicant Organization and by the Principal Investigator, until 10 working days after the deadline for submission of pre-proposals . FCT may require the original of the Declaration of Commitment in the future. http://www.fct.pt/apoios/projectos/regulamento.phtml.en (article 5)
Submission of financial and scientific reports at the national level	Yes. Submission of financial and annual scientific reports at national level is required according with the rules of FCT.
Information available at	www.fct.pt
Important Notes	The limit of the percentage (%) of time dedicated by researchers will not be considered by FCT. For this specific call, Portuguese applicants can only submit one (1) application as Principal Investigator.

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Country/Region	Romania
Funding organisation	UEFISCDI
National contact person	Mircea Segarceanu E-mail: mircea.segarceanu@uefiscdi.ro Tel.: +4021 302 38 83
Funding commitment	1.0 M€
Anticipated number of projects with Romanian partners	5
Maximum funding per awarded project	250.000 EUR
Eligibility of a partner as a beneficiary institution	Legal entities established in Romania are eligible to get funding – public and private accredited universities, national R&D institutes, other research organisations, SME' s, large industrial enterprises
Eligibility of costs	Personnel costs, consumables, equipment, subcontracting, travel, overhead.
Submission of the proposal at the national level	Not required
Submission of financial and scientific reports at the national level	Yearly basis
Information available at	http://uefiscdi.gov.ro/articole/4270/Programe-PNCDI-III.html
Other	---

Country/Region	Slovenia
Funding organisation	ARRS – Slovenian Research Agency
National contact person	Tina Vuga E-mail: tina.vuga@arrs.si Tel.: +386 1 400 59 43 Website: http://www.arrs.gov.si/sl/
Funding commitment	0.3 M€
Anticipated number of projects with Slovenian partners	---
Maximum funding per awarded project	0.3 M€
Eligibility of a partner as a beneficiary institution	Researchers holding a PhD degree who: - meet the requirements for a project manager of a basic or applicative project,

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	<p>- are registered at Slovenian Research Agency (ARRS) and</p> <p>- are employed at Slovenian higher education or research institutions or will be employed at the research institution by signing of ENSUF grant contract at the latest.</p> <p>Higher education or research institutions of the applicant need to be registered at ARRS research organisations records and shall not be business sector entities. Business sector entities may apply, however they need to ensure their own funding for participation. Eligible entities may participate in ENSUF consortium as Main Applicant or Co-Applicants.</p>
Eligibility of costs	<ul style="list-style-type: none"> ➤ Personnel costs , PhD student (those funded as young researchers by ARRS are excluded), post-doc) ➤ Social security, health, pension and other contributions according to national legislation, ➤ Material costs (Travel and meeting costs, Consumables, Dissemination and knowledge exchange costs, Other costs) ➤ Depreciation costs <p>Slovenian teams will be financed as the price category B, C or D projects. Total sum of research hours is calculated by dividing total grant sum by the value of research full time equivalent for chosen price category of the project (B, C or D).</p> <p>Overhead is calculated up to 20% of all eligible costs calculated at the level of category D project (without subcontracting costs) being a consistent part of the total grant sum. The calculation of overhead thus lowers individual category of eligible costs in a proportional manner. Overhead costs are used for covering the running costs of the institution which are related to implementation of the ENSUF project.</p>
Submission of the proposal at the national level	<p>All Slovenian applicants at the Outline and Full Proposal stage are invited to contact ARRS as the proposed budget is recommended to be examined by ARRS prior to official submission. Additionally, names and research organisations of all Slovenian participants should be forwarded to ARRS with planned budgets for each year of the project (max 3 years).</p>
Submission of financial and progress reports at the national level	<p>Yes, financial reporting carried out on an annual basis according to national rules.</p>
Information available at	<p>http://www.arrs.gov.si/sl/medn/urbana/;</p> <p>http://www.arrs.gov.si/sl/akti/ured-normstand-rd-marec14.asp</p>
Other	

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Country/Region	Sweden
Funding organisation	Swedish Research Council Formas
National contact person	Kristina Björnberg E-mail: kristina.bjornberg@formas.se Tel.: +46 87754052 Mobile: +46 704920623
Funding commitment	2.0 M€
Anticipated number of projects with Swedish partners (funded by Formas)	3-5
Maximum funding per awarded project	---
Eligibility of a partner as a beneficiary institution	Grants can be administered by a Swedish university or university college, or other Swedish public institute that fulfils the grant administrating organisation eligibility requirements of Formas. http://www.formas.se/en/Financing/Formas-handbook/
Eligibility of costs	See Formas Handbook 2015, 11. Financing.
Submission of the proposal at the national level	For full proposals a National Budget Appendix will be required specifying direct and indirect costs and national co-financing.
Submission of financial and progress reports at the national level	End of project
Information available at	https://www.formas.se or https://www.formas.se/en
Other	The applicant must have a doctoral degree.

Country/Region	Sweden
Funding organisation	Swedish Energy Agency
National contact person	Maria Alm E-mail: maria.alm@swedishenergyagency.se Alternate: Emina Pasic E-mail: emina.pasic@swedishenergyagency.se Tel.: +46 16 544 21 89
Funding commitment	0.9 M€
Anticipated number of projects with Swedish	1-3

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partners (funded by SWEA)	
Maximum funding per awarded project	---
Eligibility of a partner as a beneficiary institution	The Swedish Energy Agency potentially supports all private (juridisk person) and public applicants, namely: Large Enterprises LE; Small and Medium-sized Enterprises; Public Research Institutions; Research Organisations; other types of organisations.
Eligibility of costs	Funding of enterprise RTD and other applicants are subject to Swedish legislations <i>Förordning om statligt stöd till forskning och utveckling samt innovation inom energiområdet</i> (SFS2008:761).
Submission of the proposal at the national level	National application forms required in the full proposal phase. Further information can be obtained from the website or national contact points. http://www.energimyndigheten.se/Forskning/Sok-stod-for-forskning-och-teknikutveckling/
Submission of financial and progress reports at the national level	A one financial and project report annually, following plan in the national project decision.
Information available at	www.energimyndigheten.se or www.swedishenergyagency.se
Other	---

Country/Region	Sweden
Funding organisation	VINNOVA – Swedish Governmental Agency for Innovation Systems
National contact person	Andréa Råsberg E-mail: andrea.rasberg@vinnova.se Tel: 0046 84733159
Funding commitment	1.0 M€
Anticipated number of projects with Swedish partners (funded by Vinnova)	---
Maximum funding per awarded project	---
Eligibility of a partner as a beneficiary institution	All Swedish organisations (juridisk person) are eligible for funding which means that also for example cities and civil sector can receive grants. Swedish end users, i.e. those actors who will be part of

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	implementing the solutions, must be part of the consortia. Besides these actors also research institutes, universities, municipalities and companies may be part of the consortia.
Eligibility of costs	<p>For the project in total, a maximum of 75% of the costs of the Swedish parts can be applied for. The level of support may differ between the different partners.</p> <p>The following guidelines are found on VINNOVA's webpage: http://www.vinnova.se/sv/Ansoka-och-rapportera/Villkor-och-kostnader/</p> <ul style="list-style-type: none"> • VINNOVA's villkor för bidrag • Guide till VINNOVAs villkor om stödberättigande kostnader • Statligt stöd till forskning och utveckling samt innovation <p>VINNOVA's villkor för bidrag is also available in English:</p> <ul style="list-style-type: none"> • VINNOVA's General Terms and Conditions for Grants
Submission of the proposal at the national level	<p>For full proposals a National Budget Appendix will be required specifying direct and indirect costs and co-financing for Swedish partners. Template for the Appendix will be made available online in due time.</p> <p>Projects with partners applying from VINNOVA, which are finally recommended to be granted funding after the evaluation process, will have to submit the application via VINNOVAs Participant Portal. This is by invitation only and applies to the highest ranked proposals in the evaluation of full proposals.</p>
Submission of financial and progress reports at the national level	Two times a year, following the plan in the national project decision.
Information available at	www.vinnova.se or http://www.vinnova.se/en/
Other	---

Country/Region	Turkey
Funding organisation	The Scientific and Technological Research Council of Turkey (TÜBİTAK)
National contact persons	Alperen KARATAŞ E-Mail: alperen.karatas@tubitak.gov.tr Tel.: +90 312 468 5300 (Ext.1521)
Funding commitment	0.35 M€

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Anticipated number of projects with Turkish partners	4
Maximum funding per awarded project	360.000 TL (as of 2015) excluding payments to the principal investigator (PI), Co-PI's and overhead costs.
Eligibility of a partner as a beneficiary institution	Applicants from universities, R&D institutes, public and private corporations settled in Turkey; please click for further information
Eligibility of costs	Scholarships, travel and subsistence, equipment/tool/software and materials, consultancy/other services, dissemination and field study costs
Submission of the proposal at the national level	Only the national project budget form and CVs of the project personnel required
Submission of financial and progress reports at the national level	First financial and scientific report is taken after a year, and other reporting periods may vary depending on the duration of the project; please click for further information
Information available at	1001-The Support Program for Scientific and Technological Research Projects
Other	---

Country/Region	United Kingdom
Funding organisation	<p>Three funding agencies from the UK are collaborating to jointly fund projects through the ENSUF call. These are:</p> <p>The Economic and Social Research Council (lead agency for this collaboration)</p> <p>The Engineering and Physical Sciences Research Council</p> <p>The Arts and Humanities Research Council</p>
National contact person	<p>For all general enquiries:</p> <p>ESRC – Douglas Walton, Research Portfolio Officer, ensuf@esrc.ac.uk, +44 (0)1793 413054</p> <p>ESRC – Andrew Stafford, Senior Research Portfolio Manager, ensuf@esrc.ac.uk, +44 (0)1793 413017</p> <p>For science queries within the remit of a single UK funder please contact:</p> <p>ESRC – Douglas Walton, Research Portfolio Officer, ensuf@esrc.ac.uk, +44 (0)1793 413054</p> <p>EPSRC – Roger Singleton Escofet, ensuf@esrc.ac.uk</p>

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	AHRC – Samuel Lamshead, ensuf@esrc.ac.uk
Funding commitment	1.8 M€ approx. (£1.3M) This figure represents 80% of the total cost of the research that will be funded by UK agencies through this call. The UK agencies will only provide funding for 80% of the Full Economic Cost (FEC) of research. The cost figures included in applications should be at 100% FEC. Please see the ESRC Research Funding Guide for more information.
Anticipated number of projects with partners	3-6
Maximum funding per awarded project	Please see the UK guidance document (available here) for guidance on this.
Eligibility of a partner as a beneficiary institution	All UK academic applicants (whether main or co-applicants) must be associated with an eligible Research Organisation. Applicants are encouraged to consult the ESRC Research Funding Guide for further information. UK businesses, third sector or government bodies will be eligible. Please see the UK guidance document (available here) and the ESRC Research Funding Guide for more information.
Eligibility of costs	The payment of Awards to the Beneficiary shall be made in accordance with the standard terms and conditions of the UK agencies. " Eligible Costs " shall be limited to the full economic costs of a Project , as per the Research Council standard terms and conditions. Guidance can be found on Je-S , and in the TRAC Guidance .
Submission of the proposal at the national level	This is only required if successful at the full proposal stage.
Submission of financial and progress reports at the national level	The UK funding agencies use 'Researchfish', a research outcomes collection and evaluation system, to collect information on the inputs, activities, outputs and outcomes that have resulted from the research that they fund. Award holders will be expected to provide information through this system during the course of the award. More information on the required information is available here .
Information available at	Please see UK guidance document (available here).
Other	Please see the UK guidance document available here before planning your project.

Annex B: Research, development and innovation activities

ENSUF gathers a wide range of funding agencies from a total of 18 countries, each with its own history, ministerial instructions, and strategic focus. This diversity offers ample opportunities for sharing experiences and learning from each other, but it also comes with some administrative and conceptual challenges when planning a joint call.

One simple but important component in managing our differences is to establish a common terminology for the various stages in the Research and Development system. In the following, a table is presented that attempts to define three positions in the Research and Development system by addressing some key characteristics.

Table 2: Definitions of strategic research, applied research, and innovation

	Strategic research	Applied research	Innovation
Desired impact	Advance towards answering the question “ <i>How do cities really function?</i> ”, in a way that can be generalised and add to the universal body of knowledge about cities, and serve as a foundation for future research.	Advance towards answering the question “ <i>What works, when attempting to improve cities?</i> ” in a way that can be generalised enough to serve as useful knowledge for decision-makers and practitioners.	Advance towards the implementation, demonstration, testing and uptake of approaches for new products, services, policies, practices, and processes, with potential for improving economic, social, or environmental sustainability in European cities.
Importance of generating results fitting for publication in reputable academic journals	Highest importance	Very important	Encouraged
Methodological approach	Rigorous scientific method including methodological advancement	Scientific method including methodological advancement	Systematic approach
Foundation of work on evaluation and analysis of empirical observations	Encouraged	Encouraged	Required
Involvement of practitioners and/or target audience	Accepted	Encouraged	Required
Role for applying <i>Urban Living Labs</i>	Rarely fits	Welcome	Encouraged
Role for policy research	Rarely fits	Fits well	May fit
Role of inter-disciplinarity	Encouraged		
Academic disciplines expected in project	All welcome		
Preference for qualitative or quantitative methods	Both welcome		
Background of evaluators for project assessment	Well-respected university researchers, well-respected researchers with strong experience on utilization of research results, representatives of companies, cities and other relevant stakeholders.		

Annex C: Urban Living Labs

Projects with ENSUF may employ an approach to research we have chosen to call *Urban Living Labs*. This concept can be defined as follows: It is a forum for innovation, applied to the development of new products, systems, services, and processes, employing working methods to integrate people into the entire development process as users and co-creators, to explore, examine, experiment, test and evaluate new ideas, scenarios, processes, systems, concepts and creative solutions in complex and real contexts.

In the first two pilot calls of the JPI Urban Europe a number of projects which will employ Living Labs were granted funding. For more information and the abstracts of these projects, see the results of the pilot calls: <http://jpi-urbaneurope.eu/activities/calls/>

The following points describe the characteristics of Urban Living Labs:

- An Urban Living Lab brings in expertise from several academic disciplines, and integrates them deeply together. The research process is designed not only to add the result from the various disciplines, but also to connect them together to form cycles of learning and feedback. This enables more learning for all parties involved than the simple serial connection of a process from one discipline being followed by a process from another discipline.
- While embracing the fluidity, the openness to serendipity, and the iterative nature of working across disciplines, organisations and sectors, an Urban Living Lab maintains the rigour and orderliness characteristic for scientific method. Constituted by the appropriate methods, knowledge and expertise, the methods applied facilitate the creation of knowledge which is transferable to new areas and new markets.
- An Urban Living Lab may contain activities representing all the steps from strategic research to innovation. The major part of its effort is however at the later stages of the innovation process, in innovation and to some extent applied research.
- An Urban Living Lab involves partners representing more than one sector of society other than academia, e.g. a municipal government, a private company, or a non-governmental organization. It is a forum for research and discovery, that by its design is open for learning and exploration in any direction, between any combination of participants.
- An Urban Living Lab is based on users and other stakeholders being co-creator in a systematic way in the innovation process. The users involved are those who are or would be affected in a real situation, with all their experience and expectations available and made useful in the project. Note that this goes far beyond what might be achieved by adding a reference group or panel of users to a traditional research project. In a Smart Cities Living Lab, users are deeply and actively involved from the early stages of the project, and the research is by its design open for surprises and learning that originates from the users involved.
- Users in an Urban Living Lab may refer to both end users of a product or service or other relevant stakeholders, or those involved in service provision. The needs of end users resp. other relevant stakeholders and the working conditions of service providers are both recognized, in their respective context.
- An Urban Living Lab is located right where the process being addressed takes place, in real time and in the real context of the process. When presented with the results from an Smart Cities Living Lab, nobody will have to ask “But will it work in reality?” because it is already taking place in reality.

The Living Lab concept has successfully been tested in the ICT sector, and is used, for example by the Massachusetts Institute of Technology, in fields such as poverty, health, energy and creative work. As a method, the Urban Living Labs concept is applied to urban areas to design a Research and Innovation system, which deals with the multi-dimensional challenges in urban areas.

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If successfully implemented, an Urban Living Lab helps promote close collaboration between scientists, politicians, business and civil society. Its innovative approach gives different actors the opportunity to influence and change the current arena through research involving interaction and learning processes. In this way sustainable urban development can be concretized, tested and translated into real life situations where questions about what constitutes social, cultural and ecological sustainability are included.

Annex D: Glossary

Co-creation	an approach where heterogenous actors collaborate to produce knowledge, instruments, technology, artefacts, policy, know-how, etc.
Innovation	A process in which new ideas (technologies, designs, procedures, etc.), and combinations of them, bring about changes in (sub)systems like supply chains, markets, urban regions, etc. This process can be incremental, radical or even disruptive.
Interdisciplinarity	A collaboration spanning multiple academic disciplines (e.g. natural sciences, social sciences, engineering sciences, technological sciences, medical sciences) and involving the application of complementary methodologies to more innovatively and comprehensively tackle a common problem than would otherwise be possible.
Open data	Data that can be freely used, re-used and distributed by anyone
Smart City	Refers to cities in which ICT is increasingly pervasive and ubiquitous. Cities whose knowledge economy and governance is being progressively driven by innovation, creativity and entrepreneurship; and in which digital technologies can be used to efficiently and effectively run cities and the services provided by them. The integration of technologies needed to manage the Energy-Food-Water Nexus offers the potential to optimise the efficiency and effectiveness of the resources involved.
Sustainability	A multifaceted property that describes the extent to which social, economic and environmental objectives are in balance; that economic activity is not declining, that non-renewable resource throughputs are minimised and that society has high capital and is cohesive, equitable and inclusive.
Transdisciplinarity	A collaboration spanning multiple partners, both academic and non-academic, to solve a common problem. Non-academic partners may include city officials, (non-) governmental agencies and offices, charitable organisations, companies, civil society, grassroots movements etc.
Urban innovation ecosystems	Relational assemblages of stakeholders, researchers and initiatives which together make up an integrated effort for implementation and validation of approaches and solutions
Urban area	From a morphological perspective: an area encompassing one or more cities plus its built-up environs, irrespective of local body administrative boundaries, often subject to a minimum built-up density threshold and a minimum population size (e.g. clusters of contiguous grid cells of at least 300 inhabitants per km ² and a minimum population of 5 000). From a functional perspective: a continuous area including one or several urban centre(s) and all population settlements in which a significant proportion of the employed population works in the urban centre(s) or in localities connected to the urban centre(s).

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Urban Living Lab	A forum for innovation, applied to the development of new products, systems, services, and processes in an urban area; employing working methods to integrate people into the entire development process as users and co-creators to explore, examine, experiment, test and evaluate new ideas, scenarios, processes, systems, concepts and creative solutions in complex and everyday contexts.
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