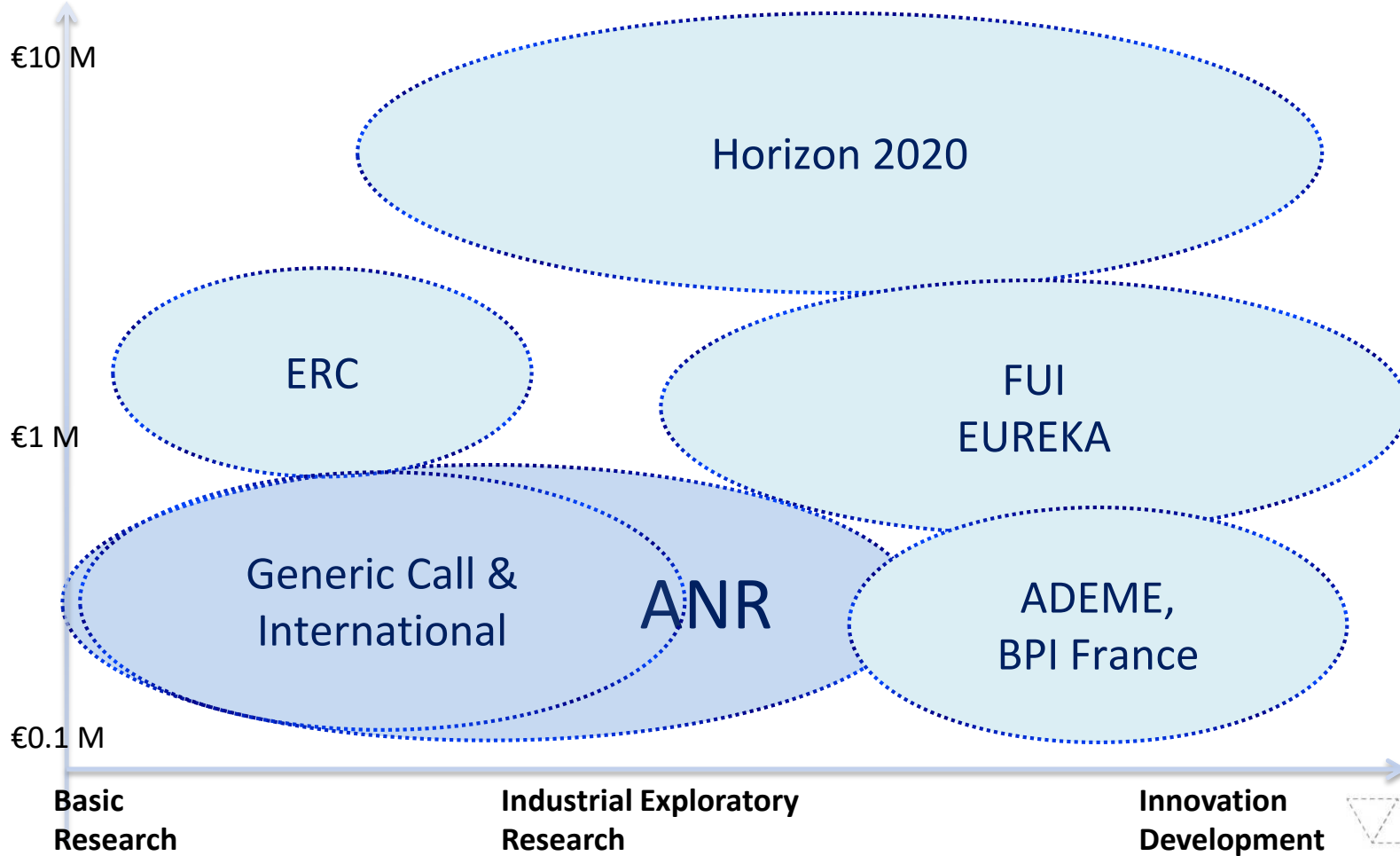


ANR activities in the « urban research » domain

12 june 2019

- ✓ A **public organisation** depending on the Ministry of high education and research created by the French government in 2005, that allocates its budget.
- ✓ Our first mission is to implement the **funding of research projects** and to **promote excellence and creativity** by funding the best projects after selective evaluation processes
 - In all fields of science
 - In basic and applied researches
 - For research organisations, universities, private companies & SME
- ✓ Executive agency for “***Investments for the future***” a major State programme in the area of higher education and research (***financing the Labex “Futur Urbain” and the I-Site FUTURE***)

*Funding range
(whole project duration)*



Individuals

Young Researchers
*Hosting High-Level
Researchers*
Industrial Chairs

*Each instrument has its
own raison d'être, specific
expected impacts, and
distinct characteristics in
terms of selection*

Collaborative research

Collaborative research projects (PRC)
*Collaborative research projects involving firms
(PRCE)*
International collaborative research projects (PRCI)

Specific international calls (bilateral or multilateral)
Challenge competitions
LabCom, Flash calls, OH Risk

80% of
ANR
funding

Project initiation

*Setting up European or International
Scientific Networks*
Tremplin-ERC

- ✓ **A generic call for proposals**
 - ✓ Divided into 48 disciplinary or thematic/cross-cutting areas
 - ✓ **One is dedicated to “Urban societies, territories, constructions and mobility”**
(funds between 15 to 18 projects each year for about 7 to 8 M€)
 - ✓ Several funding instruments that could be used in each area:
 - PRC: collaboration between academic teams
 - PRCE: collaboration of academic teams with companies
 - PRCI: international cooperation
 - JCJC: young researcher project

- ✓ **Specific calls**
 - ✓ **A European and international outlook:** specific bilateral calls, JPIs, ERA-NETs, Setting up European or international scientific networks, T-ERC (Springboard ERC)
 - ✓ **Focused on competitiveness:** Labcom, Industrial Chairs, Carnot institutes, Astrid for dual research, etc.

Instruments and calls to promote European/international cooperation:

- 1. PRCI:** special agreements with other Funding Agencies to cofund bilateral research projects (Germany/DFG, Austria/FWF, Switzerland/FNS...) covering all/large areas of science
 - 2. Bilateral, targeted, calls for proposals**
 - 3. ERA-NETs and JPis (Joint Programming Initiatives):**
 - ANR is a member of all the existing JPis
 - ANR participates to 15 to 20 ERA-NET or JPis calls for proposals every year
-
- Budget for PRCI: 26 M€ in 2018 for 99 projects funded (with 11 countries)
 - Budget for other international/European cooperations (outside PRCI): 42,3 M€ in 2018 for 173 projects funded (from 28 calls for proposals)

International Collaborative Research Projects (PRCI)

- ✓ **Principles:**
 - ✓ Bilateral agreements between ANR and other countries' research funding agencies
 - ✓ Each agency funds its own national teams
- ✓ **Objective:** facilitate international research collaborations
- ✓ **Expectations:**
 - ✓ Equal involvement of French and foreign partners
 - ✓ Genuine involvement of scientific **PIs** in each respective country
 - ✓ Added-value of the international collaboration
- ✓ **Specific submission/selection process for each country**

At ANR, European and international cooperation in the « urban/mobility research domain » goes through, mainly, the **JPI Urban Europe**.

JPI Urban Europe was created in 2010 to address the global urban challenges with the ambition to develop a European research and innovation hub on urban matters and create European solutions by means of coordinated research.

*Currently, JPI Urban Europe has 14 members: Austria, Belgium, Cyprus, Denmark, Finland, **France**, Germany, Italy, Latvia, the Netherlands, Norway, Slovenia, **Sweden**, and the UK.*

Since 2014, for ANR:

- **9** projects funded under the JPI Urban Europe umbrella (more details in the next slides)
- **2** projects funded under the PRCI scheme (both with Germany):
 - OPUSS: Optimization of Urban Synchromodal Systems
 - PEDSIVAL: Cross Platform Validation of Pedestrian Simulators



ANR participated to 3 calls for proposals so far:

Call acronyme	Partners (FA)	Call topics	Projects funded	Projects with French partners
ENSUF (2016) <i>ERA-NET Cofund Smart Urban Futures Call</i>	Austria (FFG), Belgium (FWO, Innoviris, FNRS), Cyprus (RPF), Denmark (IFD), France (ANR), Finland (TEKES, AKA), Italy (MIUR), Latvia (VIAA), The Netherlands (NWO), Norway (RCN), Poland (NCN), Portugal (FCT), Romania (UEFISCDI), Slovenia (ARRS), Sweden (Formas, Swedish Energy Agency, Vinnova) , Turkey (TÜBITAK), UK (AHRC, ESRC)	<ol style="list-style-type: none"> 1. Concepts and strategies for smart urban transformation, growth and shrinkage 2. New dynamics of public services 3. Inclusive, vibrant and accessible urban communities 	15	5
EN-SUGI(2017) <i>ERA-NET Sustainable Urbanisation Global Initiative (SUGI)/Food-Water-Energy Nexus</i>	Austria (FFG), Belgium (FWO, Innoviris), Cyprus (RPF), Germany (BMBF), France (ANR), Latvia (VIAA), The Netherlands (NWO), Norway (RCN), Poland (NCN), Romania (UEFISCDI), Slovenia (ARRS), Sweden (Formas, Swedish Energy Agency) , Turkey (TÜBITAK), UK (AHRC, ESRC, Innovate UK), Argentina (MINCYT), Brasil (FAPESP), Japan (JST), Qatar (QNRF), Taiwan (MOST), United-States (NSF)	<ol style="list-style-type: none"> 1. Robust Knowledge, Indicators and Assessments 2. Multi-level Governance and Management of the Food-Water-Energy Nexus 3. Managing Potential Strategies and Solutions to address emerging Risk and Tradeoffs at the intersection of Sustainable Urbanisation and the Food-Water-Energy Nexus 	15	2
JPI Urban Europe/China (NSFC) (2018) <i>Sustainable and Liveable Cities and Urban Areas</i>	China (NSFC), Austria (FFG), Belgium (F.R.S.-FNRS), France (ANR),Latvia (IZM), The Netherlands (NWO), Norway (RCN), Poland (NCN), Sweden (SWEA) , UK (ESRC)	<ol style="list-style-type: none"> 1. Climate change and new urban economies 2. Transformation of energy systems and strengthen urban circular economies 3. Urban public administration and services innovation 4. Urban data management 	11	2

The 9 projects with French partners:

Acronyme	Titre	Partners (countries)
3S RECIPE	Smart Shrinkage Solutions - Fostering Resilient Cities in Inner Peripheries of Europe	FR, NL, PL, PO, RO, UK
CAPA.CITY	Building Capacity to transform existing residential subdivisions into smart and robust urban ecosystems	BE, DK, FR
PLACED	Place- and Activity-Centric Dynamic Library Services	DK, FR, SE
SMART-U-GREEN	Smart Urban Green: Governing conflicting perspectives on transformations in the urban rural continuum	FR, IT, NL
SoHoLab	The regeneration of large-scale Social Housing estates through LivingLabs	BE, FR, IT
ENLARGE	ENabling LARGE-scale integration of technology hubs to enhance community resiliency via DDS in various urban FWE nexuses	FR, NL, US
FEW-meter	The FEW-meter – an integrative model to measure and improve urban agriculture towards circular urban metabolism	DE, FR, GB, PL, US
Financing Clean Air	The potential of Land Value Capture to secure sustainable urban development supporting air quality enhancement	FR, UK, NL, CN
MAAT	Multi-faceted valuation and administration of access to housing and transportation	FR, NL, CN

Only one project with Sweden (PLACED) funded for 9 proposals submitted.
(6/20 for ENSUF, 0/15 for EN-SUGI and 3/14 for JPI UE-NSFC)

The ERA-NET Cofund UAC

Urban Accessibility and Connectivity

- SO1: implement a **series of joint calls for research and innovation projects** that address city authorities' needs, ensure stakeholder involvement and ensure that funded projects will be embedded into the wider JPI Urban Europe portfolio of projects;
- SO2: select and adapt the call instruments to **support research-driven as well as challenge-driven/innovation approaches**, offering cities, municipalities, mobility, transport and logistic service providers and all urban stakeholders opportunities to experiment and co-create the approaches and solutions;
- SO3: ensure **monitoring of and interaction between funded projects** in terms of individual project progress and mechanisms to embed the projects into the wider JPI Urban Europe programme;
- SO4: facilitate **wider communication, dissemination and exploitation of results towards policy makers, urban practitioners and citizens** to enhance impact of projects and EN-UAC activities in Europe and beyond;
- SO5: develop **cooperation between JPI Urban Europe/EN-UAC actions and other EC funded actions like CIVITAS initiatives and ELTIS database**;
- SO6: establish a **community of research and practice to build capacities** for transitions towards sustainable urban mobility, accessibility and connectivity and integrate other H2020, national and, if possible, international projects into this community, taking advantage of the existing JPI Urban Europe programme management and stakeholder involvement platform (AGORA);

16 countries, 23 partners (+ one associated: FINEP, Brazil)

- France (ANR – coord.)
- Austria (BMVIT + FFG)
- Belgium (FRS + FWO + VLAIO + Innoviris)
- Cyprus (RPF)
- Germany (BMBF + DLR)
- Denmark (IFD)
- Italy (MIUR)
- Latvia (VIAA)
- The Netherlands (NWO)
- Norway (RCN)
- Poland (NCN)
- Romania (UEFISCI)
- **Sweden (FORMAS + SWEA + Vinnova)**
- Slovenia (ARRS)
- Turkey (TUBITAK)
- UK (ESRC)



The consortium covers RDI activities from basic targeted research to innovation

Country	France	Austria	Belgium				Cyprus	Denmark	Germany	Italy	Latvia	Norway	Poland	Romania	Slovenia	Sweden			The Netherlands	Turkey	United Kingdom
Funding agency	ANR	BMVIT/FFG	Irsib	FNRS-FRS	FWO	VLAIO	RPF	IFD	BMBF/DLR	MIUR	VIAA	RCN	NCN	UEFISCDI	ARRS	FORMAS	SWEA	Vinnova	NWO	TÜBITAK	ESRC
Basic research	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X
Applied research	X	X	X			X	X		X	X	X			X		X	X	X		X	X
Innovation		X	X			X		X	X					X		X	X	X		X	

- Challenge 1: Conceptualise an overarching approach on sustainable urban physical mobility and transport, land use and digital connectivity
- Challenge 2: Develop and support the implementation of innovative mobility systems and services with a potential to contribute to sustainable accessibility – tapping on innovativeness and perseverance of private initiatives whilst safeguarding sustainability and access for all
- Challenge 3: Transform and re-organise urban spaces to pave the ground for sustainable urban mobility and accessibility – balancing conflicting claims on public space
- Challenge 4: Making best use of the opportunities of integrating transport, spatial and digital systems whilst limiting vulnerability and enhance resilience
- Challenge 5: Develop innovative and effective policy options for achieving a shift towards more sustainable urban accessibility whilst ensuring quality, access and affordability
- Challenge 6: Change behaviours and perspectives towards sustainable, affordable, accessible and reliable urban accessibility and connectivity

Four calls for proposals planned:

- one large, “cofunded”, call with all the partners (including FINEP/Brasil)
- three additional calls also proposed, with “*a la carte*” participation:
 - a call with China (NSFC)
 - an alignment action (“alignment” of existing/on-going national/European research)
 - an innovation action targeting specific issues (challenge driven approach)

