

Jornada Connect-EU

Impulsa el teu projecte d'**R+D**
i **innovació** a Europa

Horizonte 2020

Reto Social 6

“Europa en un mundo cambiante:
Sociedades inclusivas,
innovadoras y reflexivas”

CONNECT-EU, Barcelona
6 de noviembre de 2017



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1. Reto Social 6 - “Europa en un mundo cambiante: sociedades inclusivas, innovadoras y reflexivas”

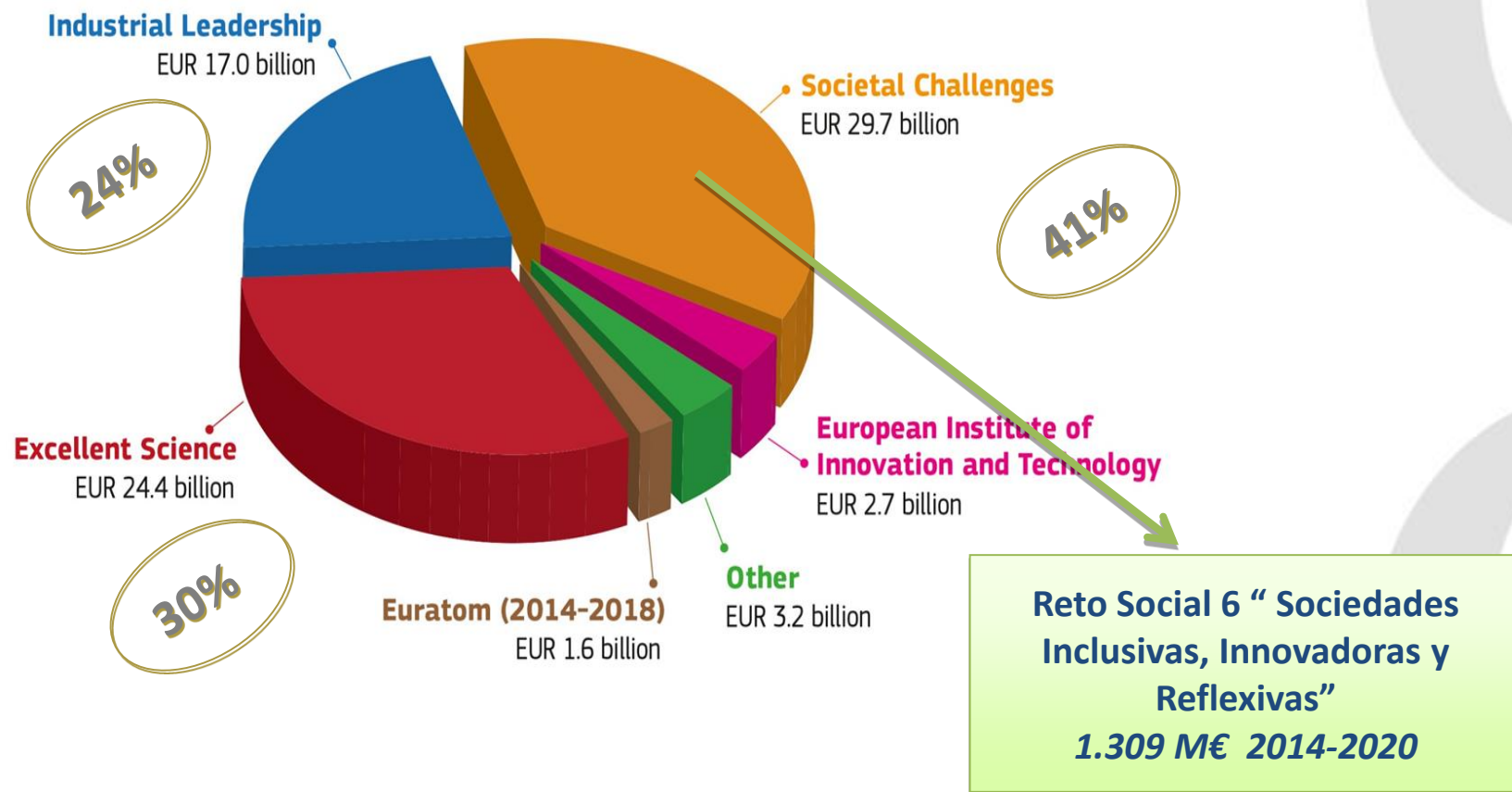


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El Reto Social 6 en H2020



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Reto 6: Objetivos

El objetivo del programa pretende:

*...fomentar una **mejor comprensión** de Europa*

*...ofrecer **soluciones** y **apoyar** unas **sociedades europeas inclusivas, innovadoras y reflexivas***

...en un contexto de transformación sin precedentes

... y de creciente interdependencia mundial



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2. Programa de Trabajo 2018 -2020



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Prioridades temáticas WP 2018-2020

Retos actuales a los que se enfrenta la UE y sus ciudadanos:

- ✓ *Presión por el **aumento de los flujos migratorios** a la UE*
- ✓ *Grandes **transformaciones socio-económicas y culturales** que se derivan de la nuevas interacción persona vs. tecnología*
- ✓ ***Nuevos desarrollos en la gobernanza europea, nacional y mundial** con un potencial impacto muy significativo en el futuro de Europa*
- ✓ ***Debilitamiento de la confianza de los ciudadanos en las instituciones públicas** y en su capacidad de resolver eficazmente estos desafíos*

Prioridades temáticas WP 2018-2020



Dar respuesta a las preocupaciones de los ciudadanos europeos en relación con la *migración, transformaciones socioeconómicas y culturales debidas a la cuarta revolución industrial y los retos de la gobernanza*, proporcionando un soporte científico objetivo que permita evaluar estos complejos fenómenos dando recomendaciones políticas para abordar estos problemas e informar a los ciudadanos de manera objetiva.



Programa de Trabajo 2018-2020

3 convocatorias/calls :

- **MIGRATION:** Migración y la crisis de refugiados
 - **TRANSFORMATIONS:** Transformaciones socioeconómicas y culturales en el contexto de la cuarta revolución industrial
 - **GOVERNANCE:** Gobernanza para el futuro
- **35 topics para 2018 y 2019**
 - **7 topics nuevos en 2020**



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Programa de trabajo WP 2018-2020



EN

Horizon 2020

Work Programme 2018-2020

Programa de Trabajo
(WP2018-2020)
3 años
Convocatorias:
biental 2018-2019
+
Títulos: 2020

*13. Europe in a changing world – Inclusive, innovative and
reflective societies*

Important notice on the Horizon 2020 Work Programme

This Work Programme covers 2018, 2019 and 2020. The parts that relate to 2019 and 2020 are provided at this stage on an indicative basis. Such Work Programme parts will be decided during 2018 and/or 2019.

(European Commission Decision C(2017)7124 of 27 October 2017)

Publicación:
27 de octubre

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-societies_en.pdf



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Presupuesto de convocatorias 2018-2020

Convocatoria	2018	2019	2020	TOTAL
MIGRATION	36	35	40	111
TRANSFORMATION	48,5	55,4	76	179,9
GOVERNANCE	40,5	53,5	63	157
Other actions	37,93	36,49	34,69	109,11
Contributions	9,02	3,02	3,02	15,06
TOTAL	171,95	183,41	216,71	572,07

¿Qué novedades tenemos en el nuevo WP del Reto 6?



- Son tres años de 2018-2020 (vs bienal)
- Topics 2020 solo títulos sin descripción
- 3 convocatorias en lugar de 4
- Se financian más proyectos: 3 proyectos por topic (vs 1)
- No hay convocatorias a dos fases
- Focus areas (DT –Digital Transformation y SU- Security Union)

Focus areas



Focus Areas under Horizon 2020

4 Focus Areas in WP 2018-2020

- Personalising health and care
- Sustainable food security
- Blue growth
- Smart cities and communities
- Competitive low-carbon energy
- Energy efficiency
- Mobility for growth
- Waste
- Water innovation
- Overcoming the crisis
- Disaster resilience
- Digital security

12 Focus Areas in WP 2014-2015

- Industry 2020 in the Circular Economy
- Internet of Things
- Smart and Sustainable Cities
- Sustainable Food Security
- Energy Efficiency
- Digital Security
- Blue Growth
- Competitive Low-carbon Energy
- Automated Road Transport

9 focus areas in WP 2016-2017

- Building a low-carbon, climate-resilient future
- Circular Economy - Connecting economic and environmental gains
- **Digitising and transforming European industry and services**
- **Boosting the effectiveness of the Security Union**

SC6 contributions

Programa de trabajo SC6 2018-2020

Publicadas las calls en el [Portal del participante](#)



2018	
Apertura	Cierre
7 Nov 2017	13 Mar 2018

2019	
Apertura	Cierre
6 Nov 2017	14 Mar 2019

2020	
Apertura	Cierre
¡Por definir!	

Convocatoria H2020-SC6 MIGRATION

MIGRATION-01-2019	Understanding migration mobility patterns: elaborating mid and long-term migration scenarios
MIGRATION-02-2018	Towards forward-looking migration governance: addressing the challenges, assessing capacities and designing future strategies
MIGRATION-03-2019	Social and economic effects of migration in Europe and integration policies
MIGRATION-05-2018-2020	Mapping and overcoming integration challenges for migrant children
DT-MIGRATION-06-2018-2019	Addressing the challenge of migrant integration through ICT-enabled solutions
MIGRATION-07-2019	International protection of refugees in a comparative perspective
MIGRATION-08-2018	Addressing the challenge of forced displacement

Convocatoria H2020-SC6 TRANSFORMATIONS-2018

TRANSFORMATIONS-01-2018	Research for inclusive growth: addressing the socioeconomic effects of technological transformations
DT-TRANSFORMATIONS-02-2018-2019-2020	Transformative impact of disruptive technologies in public services
TRANSFORMATIONS-03-2018-2019	Innovative solutions for inclusive and sustainable urban environments
TRANSFORMATIONS-04-2019-2020	Innovative approaches to urban and regional development through cultural tourism
TRANSFORMATIONS-05-2018	Cities as a platform for citizen-driven innovation
TRANSFORMATIONS-06-2018	Inclusive and sustainable growth through cultural and creative industries and the arts
DT-TRANSFORMATIONS-07-2019	The impact of technological transformations on children and youth
TRANSFORMATIONS-08-2019	The societal value of culture and the impact of cultural policies in Europe
SU-TRANSFORMATIONS-09-2018	Social platform on endangered cultural heritage and on illicit trafficking of cultural goods
DT-TRANSFORMATIONS-11-2019	Collaborative approaches to cultural heritage for social cohesion
DT-TRANSFORMATIONS-12-2018-2020	Curation of digital assets and advanced digitisation
TRANSFORMATIONS-13-2019	Using big data approaches in research and innovation policy making
TRANSFORMATIONS-14-2018:	Supply and demand-oriented economic policies to boost robust growth in Europe – Addressing the social and economic challenges in Europe

Convocatoria H2020-SC6 GOVERNANCE

GOVERNANCE-01-2019	Trust in governance
GOVERNANCE-02-2018-2019	Past, present and future of differentiation in European governance
GOVERNANCE-03-2018	Addressing populism and boosting civic and democratic engagement
GOVERNANCE-04-2019	Enhancing social rights and EU citizenship
DT-GOVERNANCE-05-2018-2019-2020	New forms of delivering public goods and inclusive public services
GOVERNANCE-06-2018	Trends and forward-looking scenarios in global governance
SU-GOVERNANCE-07-2020	The Common Foreign and Security Policy and the expanding scope of the EU's external engagement
GOVERNANCE-08-2018	Partnering for viability assessments of innovative solutions for markets outside Europe
SU-GOVERNANCE-09-2020	Addressing radicalisation through social inclusion
SU-GOVERNANCE-10-2019	Drivers and contexts of violent extremism in the broader MENA region and the Balkans
SU-GOVERNANCE-11-2018	Extreme ideologies and polarization
DT-GOVERNANCE-12-2019-2020	Pilot on using the European cloud infrastructure for public administrations
DT-GOVERNANCE-13-2019	Digitisation, Digital Single Market and European culture: new challenges for creativity, intellectual property rights and copyright
GOVERNANCE-14-2018	ERA-Net Co-fund - Renegotiating democratic governance in times of disruptions
GOVERNANCE-15-2018	Taking lessons from the practices of interdisciplinarity in Europe

3. Más información



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Servicios de los NCPs

Para coordinadores:

- Sesiones informativas y webinarios
- Asesoramiento sobre el encaje de la idea de proyecto
- Lectura de propuestas (¡hasta tres semanas antes de la fecha de cierre!)
- Talleres de preparación y escritura de propuestas.
- Resolución de consultas

Para socios:

- Sesiones informativas y webinarios
- Herramientas de búsqueda de socios a través de la Red Net4Society
- Asesoramiento sobre el perfil para ser publicado en las redes.
- Resolución de consultas

sociedades.h2020@oficinaeuropea.es

Jornadas informativas de Reto 6



- Madrid: 2 noviembre
- Barcelona: 7 de noviembre
- Bilbao: 24 de noviembre
- Valencia: 28 noviembre
- Sevilla: 30 de noviembre

Webinarios con representantes de la Comisión Europea (diciembre-enero)

- Topics DT (Public services): 12 de diciembre
- Call Governance: a definir
- Otros



Eventos de referencia



14/11/2017 (Bruselas): Infoday + brokerage Reto 6

<https://www.b2match.eu/sc6-2018-brokerage>



9-10/11/2017 (Budapest)

→ Sesión específica topics DT

<https://ec.europa.eu/digital-single-market/en/events/ict-proposers-day-2017>

Red de NCPs del Reto 6 – Net4Society

Net4Society

Home | Contact | Sitemap | Privacy | Imprints

Net4Society - a network of National Contact Points (NCPs) in Horizon 2020

Net4Society is the international network of National Contact Points for the Societal Challenge 6 "Europe in a changing world: inclusive, innovative and reflective societies" in Horizon 2020. National Contact Points (NCPs) are set up to guide researchers in their quest for securing EU funding.

This website is aimed at researchers and stakeholders interested in Horizon 2020's Societal Challenge 6 "Europe in a changing world". It is particularly relevant for researchers from the Socio-Economic Sciences and Humanities (SSH). The information on this website will help you find funding opportunities for your research project and provide you with up-to-date information on the European Commission's funding schemes.

HIGHLIGHTS

29.10.2015 - 30.10.2015 | BRUSSELS, BELGIUM

High-level conference: "Trust - European Research Co-creating Resilient Societies"

Register for the high-level conference in Brussels at the Royal Academy of Sciences on 29-30 October 2015 entitled "Trust: Research Co-creating Resilient Societies" co-organised by the European Commission (DG RTD) and Net4Society. → [more]

18.11.2015 - 19.11.2015 | VIENNA, AUSTRIA

Conference and Brokerage Event: Social Innovation 2015: Pathways to Social Change

"Pathways to Social Change" is going to be the key event on social innovation in the year 2015. It is planned and designed by mutually complementary research projects on social innovation that reach out to world-wide experiences and concepts of social innovation. The conference will connect researchers with policy makers and practitioners of social innovation. → [more]

01.02.2015

Next Phase of Net4Society started on 1 February 2015

The next phase of Net4Society started on 1 February 2015 and will run for four years until the end of January 2019. It will put a major focus on supporting National Contact Points (NCPs) and researchers in the area of Horizon 2020's Societal Challenge 6 "Europe in a changing world - inclusive, innovative, and reflective societies". → [more]

26.02.2015 | BRUSSELS, BELGIUM

Brokerage Event and Infoday: Horizon 2020, Societal Challenge 6, Call "Europe as a global actor"

This international event will provide first-hand information on the research topics of the Horizon 2020 call "Europe as a Global Actor". In addition, a match-making session will support participants in building research consortia for the call. → [more]

Net4Society

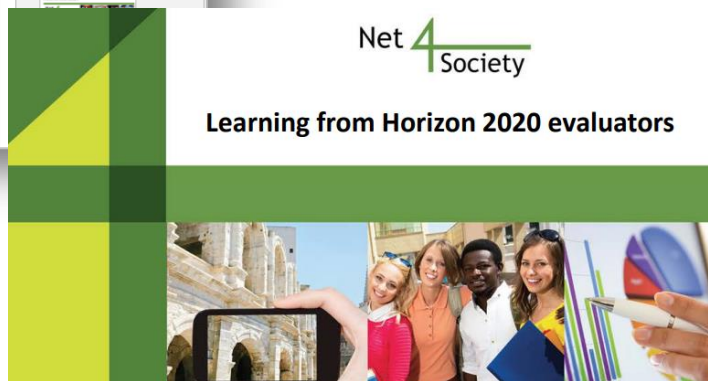
<http://www.net4society.eu>

Learning from Horizon 2020 evaluators

<http://www.net4society.eu/public/1077.php>

Net4Society

Learning from Horizon 2020 evaluators





Herramientas de búsqueda de socios – N4S

Herramienta de búsqueda de socios SSH on-line



Directorio de investigadores



<http://www.net4society.eu/public/pss.php>

www.net4society.eu/research-directory



ESHORIZONTE2020

Portal español del Programa Marco de Investigación e Innovación de la Unión Europea



Buenas prácticas de Universidades en Horizonte 2020

Página web del portal único Horizonte 2020:

eshorizonte2020.es

¿Qué es?

Es el programa que financia proyectos de investigación e innovación de diversas áreas temáticas en el contexto europeo, contando con casi 80.000M€ para el periodo 2014-2020. Investigadores, empresas, centros tecnológicos y entidades públicas tienen cabida en este programa. Amplíe la información aquí.

Cómo Participar

La Guía del Participante en Horizonte 2020 le permitirá tener información general de H2020 y sobre el proceso de participación. Para obtener asesoramiento personalizado, los Puntos Nacionales de Contacto temáticos le ayudarán en todas las fases de la propuesta. [Acceda a la sección Cómo participar](#)

Jornadas sobre las últimas simplificaciones de las Reglas de Participación en Horizonte 2020

Entre los meses de septiembre y octubre tendrán lugar varias Jornadas dedicadas a las últimas simplificaciones de las Reglas de Participación en Horizonte 2020 que se celebrarán en distintas Comunidades Autónomas.

España ocupa provisionalmente la cuarta posición por retorno en Horizonte 2020

Según los resultados provisionales disponibles, las entidades españolas han obtenido una subvención de 1.933,8 millones de euros en las convocatorias adjudicadas en el periodo 2014-2016.

CALENDARIO DE ACTIVIDADES

Septiembre 2017						
L	M	X	J	V	S	D
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Puntos Nacionales DE CONTACTO

NOTICIAS

EVENTOS

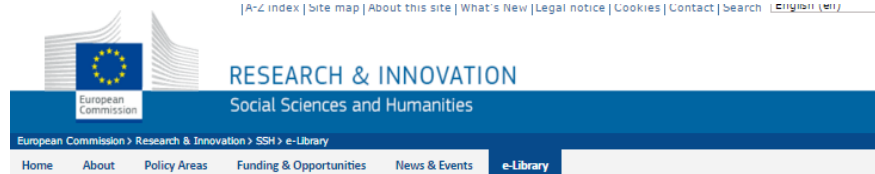
Listas de DISTRIBUCIÓN



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Información de referencia

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e-Library

Featured publications

Migration - Facing Realities and Maximising Opportunities



Migration has become a crucial issue for Europe, one that is likely to dominate policy and political agendas for many years to come. Migration is also increasingly presented, both in public and expert discourse, as a challenge requiring coordinated European responses, involving both Member States and the European institutions.

FP7 research projects studied different aspects of the migration phenomenon such as integration and diversity, trans-nationalism, temporary/circular migration, migration and development, migration flows, data modelling, to mention just a few of the areas covered. The European comparative perspective brought in by most of this research is an important added value of working with multi-country research teams in the study of migration.

Integration of Social Sciences and Humanities in Horizon 2020: participants, budget and disciplines



Monitoring report on SSH-flagged projects funded in 2014 under the Societal Challenges and Industrial Leadership.

This monitoring and evaluation report assesses in a thorough and detailed manner how the different SSH disciplines have been integrated into the projects funded in 2014 under the Societal

Challenges and the Industrial Leadership priorities. The report illustrates the success of the new policy on the integration of SSH as a cross-cutting issue and it also points out where further efforts are needed.

Latest



SSH: List of projects 2007-2013
The SSH FP7 programme was the biggest research programme for SSH in the world. It funded 250 projects for a total of 579 Million Euros

[Download in English](#) 5.3 MB

Categories

- Project Synopses
- Policy Reviews
- Policy Briefs
- Other Publications

Open the Door: Social Science Research for Development and a Sustainable Future



Development aid is the most visible and most successful field of the European Union's complex external actions. The European Union and its 28 Member States are, together, still the largest development donors worldwide and have played a leading role in the efforts to achieve the United Nations' Millennium Development Goals. The EU has also proved to be a reliable and predictable actor during the negotiations of the new Sustainable Development Goals of the United Nations that will shape global development strategies for the years to come.

This publication presents the most relevant projects on development funded under the Seventh Framework Programme for research and technological development (FP7).

An ever closer union among the peoples of Europe? - Rising inequalities in the EU and their social, economic and political impacts



The European Treaty is based on an 'ever closer union among the peoples of Europe'. Scientific research in social sciences and the humanities funded by the European Commission under the Seventh Framework Programme shows that socioeconomic inequalities have generally increased in the EU over the last 20 years. A dual trend in inequalities has been observed during periods of economic growth as well as since the onset of the financial and economic crisis in 2008.

The state of integration of East and West in the European Union



During the last 25 years, Central and Eastern European countries have undergone unprecedented changes. In turn, the enlargement of the EU to these new countries also affected profoundly the EU itself.

This Review aims to describe, document and explain the fundamental systemic change that took place in Central and Eastern Europe since 1989 and its impacts on European integration.

<http://ec.europa.eu/research/social-sciences/index.cfm?pg=library>

Información de referencia



- **Listado de proyectos SSH financiados**

<http://ec.europa.eu/research/social-sciences/index.cfm>



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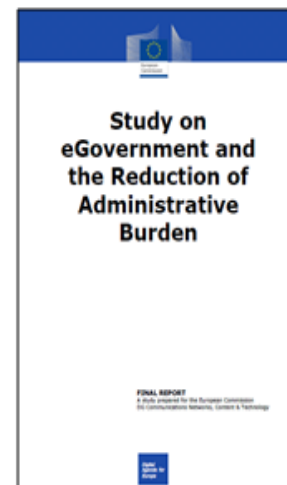
Información de referencia

<http://ec.europa.eu/research/social-sciences/index.cfm>

<http://ec.europa.eu/research/iscp/index.cfm>

<http://ec.europa.eu/digital-agenda/en/life-and-work/public-services>

<https://ec.europa.eu/digital-agenda/en/digital-culture>



Información de referencia

“EUROPE 2020 Strategy” for growth and employment: http://ec.europa.eu/europe2020/europe-2020-in-a-nutshell/index_en.htm

Innovation Union Website: http://ec.europa.eu/research/innovation-union/index_en.cfm

European Commission's DG Research - SSH: <http://ec.europa.eu/research/social-sciences/index.cfm?pg=home>

[Financial crisis: causes, policy responses, future challenges. Outcomes of EU-funded research Report](#)

Digital Agenda for Europe: <https://ec.europa.eu/digital-agenda/en>

“Study on eGovernment and the Reduction of Administrative Burden” Informe Final: <https://ec.europa.eu/digital-single-market/en/news/final-report-study-egovernment-and-reduction-administrative-burden-smart-20120061>

Open government: <http://ec.europa.eu/digital-agenda/en/news/vision-public-services>

Creativity website: http://cordis.europa.eu/fp7/ict/creativity/creativity_en.html

eGovernment Action Plan 2016-2020: <https://ec.europa.eu/digital-single-market/en/european-egovernment-action-plan-2016-2020>

A global actor in search of a strategy; European Union foreign policy between multilateralism and bilateralism Policy Report: http://www.net4society.eu/_media/AglobalActorinSearchofaStrategy.pdf

“European Neighbourhood Policy - Working towards a Stronger Partnership” Communication: http://eeas.europa.eu/enp/pdf/docs/2013_enp_pack/2013_comm_conjoint_en.pdf

Muchas gracias.

Rocío Castrillo

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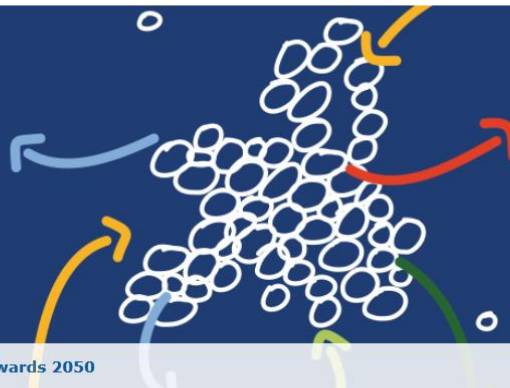
Impulsa el teu projecte
d'R+D i Innovació a Europa

Oriol Biosca | MCRIT Barcelona

obiosca@mcrit.com



Making
Europe !
Open and
Polycentric



Visions and Scenarios for the European Territory towards 2050



5a edició del Curs: "Avaluació d'inversions: Infraestructures urbanes i de transport"

Del 20 d'octubre al 17 de novembre, tindrà lloc la cinquena edició d'aquest curs intensiu i pràctic codirigit per la consultoria Mcrit, i basat en la discussió d'avaluacions realitzades a projectes d'infraestructures urbanes i de transport. En aquesta edició es parlarà, entre d'altres, del projecte del tramvia a l'Avinguda Diagonal de Barcelona.

[Més informació](#)



CLYMA: el Corredor Mediterrani

Mcrit col·labora en el projecte CLYMA mitjançant el desenvolupament d'una [calculadora online](#) d'emissions i d'externalitats del transport per a routes utilitzant l'eix CLYMA.

[Més informació](#)



Pla de Carreteres Locals de Tarragona

El Pla Zonal de Carreteres Locals de la Diputació de Tarragona es presentarà durant la tardor d'enguany. El Pla Zonal proposa nous criteris de disseny de les carreteres, incorpora camins a la xarxa de carreteres i prioritza inversions de millora de la xarxa en l'horitzó dels primers 8 anys de vigència (MCRIT).

<http://www.mcrit.com/>



RELOCAL investigates the role of **localities** and how places and communities can strengthen their involvement in the design, delivery and deployment of **European cohesion policies** in order to achieve higher levels of **spatial justice and cohesion**.

RELOCAL applies a **bottom-up approach** from the local to the European level. It is based on the analysis of 30 contextually sensitive **case studies** and continuous multi-level stakeholder engagement.

Project Consortium



RELOCAL is funded by the European Union's Horizon 2020 Programme
13 partners in 11 Member States
October 2016 – September 2020 (48 months)
Project coordinator: University of Eastern Finland
Contact: Dr. Petri Kahila (petri.kahila@uef.fi)



RELOCAL receives funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement N° 727097

For more information visit
www.relocal.eu

Front design based on ESPON ET2050 (2015) and Green Grape by Kunzmann and Wegener (1991)

Project Full Title	RELOCAL Resituating the Local in Cohesion and Territorial Development
Grant Agreement	GA. 727097
Project Budget	€ 4,885,750
Project Duration	October 2016 - Sep 2020 (48 months)
Project Coordinator	University of Eastern <u>Finland</u>
Contact	Dr. Petri Kahila (petri.kahila@uef.fi) Paloma Martín (Project Officer)
Website	www.relocal.eu

13 Project Partners

Itä-Suomen Yliopisto (Finland)



ILS - Institut für Landes- und Stadtentwicklungsforschung (Germany)



University of Newcastle (UK)



University of Stockholm (Sweden)



NORDREGIO (Sweden)



The James Hutton Institute (Scotland)



Hungarian Academy of Sciences -Research Centre for Economic and Regional Studies (Hungary)



Delft University of Technology (Netherlands)



MCRIT Multicriteria Consulting (Barcelona)



University of Luxembourg (Luxembourg)



University of Lodz (Poland)



Foundation Desire for Social Reflection and Openness (Romania)



University of Thessaly - The South and Eastern European Development Centre (Greece)





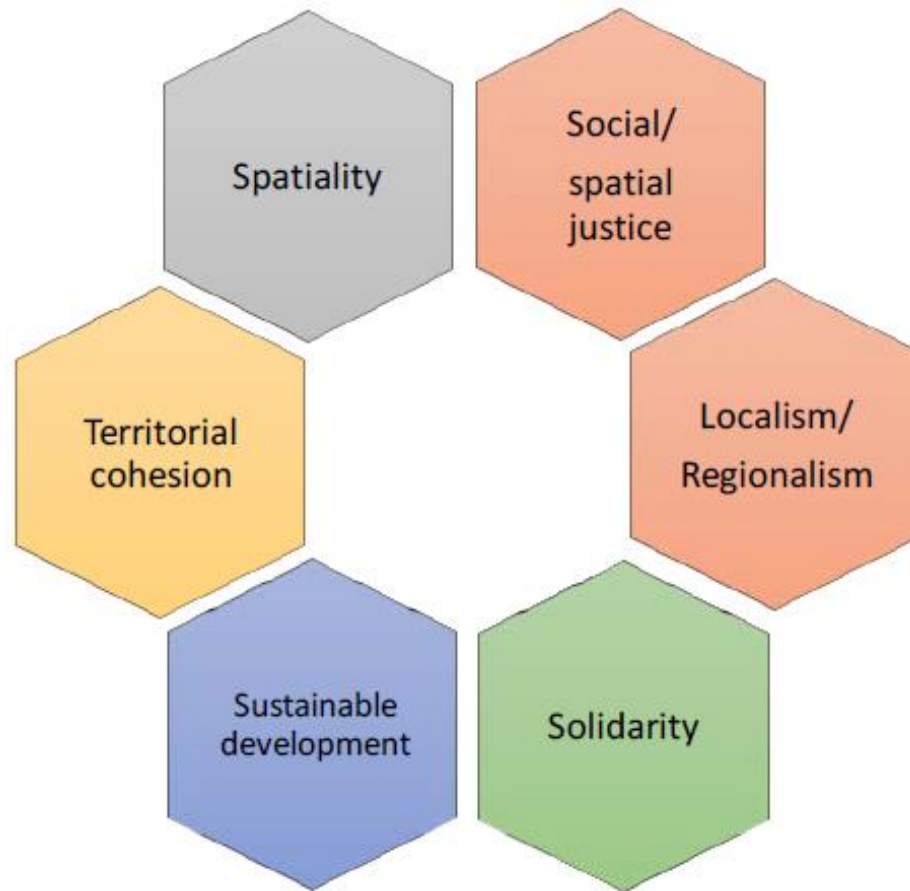
Resituating the Local in Cohesion and Territorial Development

Welcome to RELOCAL

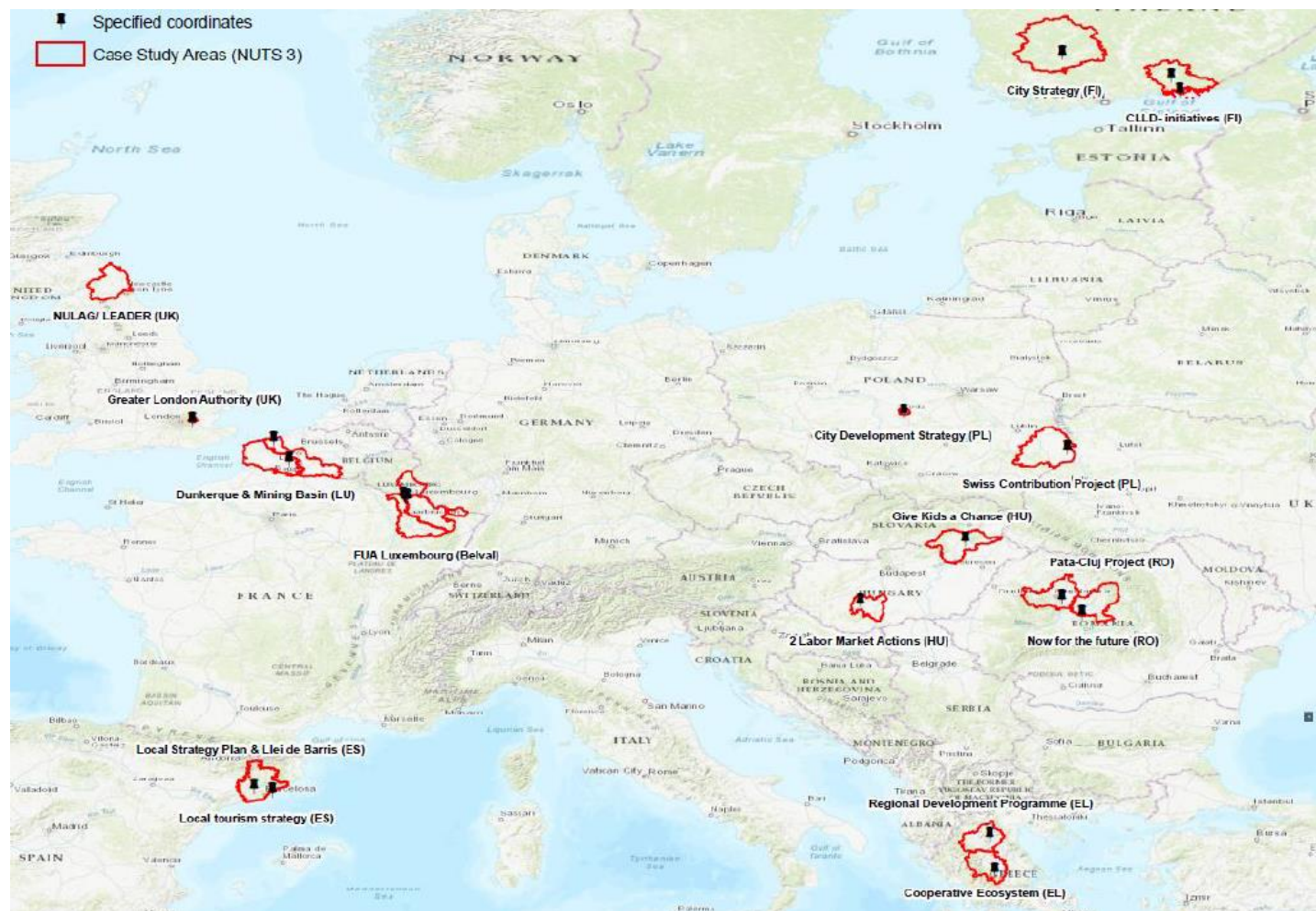
EU Horizon 2020 research project 'Resituating the local in cohesion and territorial development' – RELOCAL aims to identify factors that condition local accessibility of European policies, local abilities to articulate needs and equality claims and local capacities for exploiting European opportunity structures. It will be based on case studies of local contexts (cities and their regions) that exemplify development challenges in terms of spatial justice. Case study locations will thus be chosen to allow for a balanced representation of different

www.relocal.eu

2016-2020



33 Case Studies across Europe



2016-2020

6 Policy Workshops & Project Conferences

	2018	2019	2020
Project conference	February Barcelona	Winter (Budapest)	
Policy Workshop	Spring (Budapest)	Spring (Dortmund)	
Policy conference			Spring (Lodz)
Final policy conference			Autumn (Brussels)

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2016-2020



Capitalising big data for the
common good

RELOCAL H2020



OPEN INNOVATION: WISSEN VERSCHENKEN?

Multi and transdisciplinarity-
Open innovation

RELOCAL H2020



Bottom-up initiatives

RELOCAL H2020

Expert Interviews

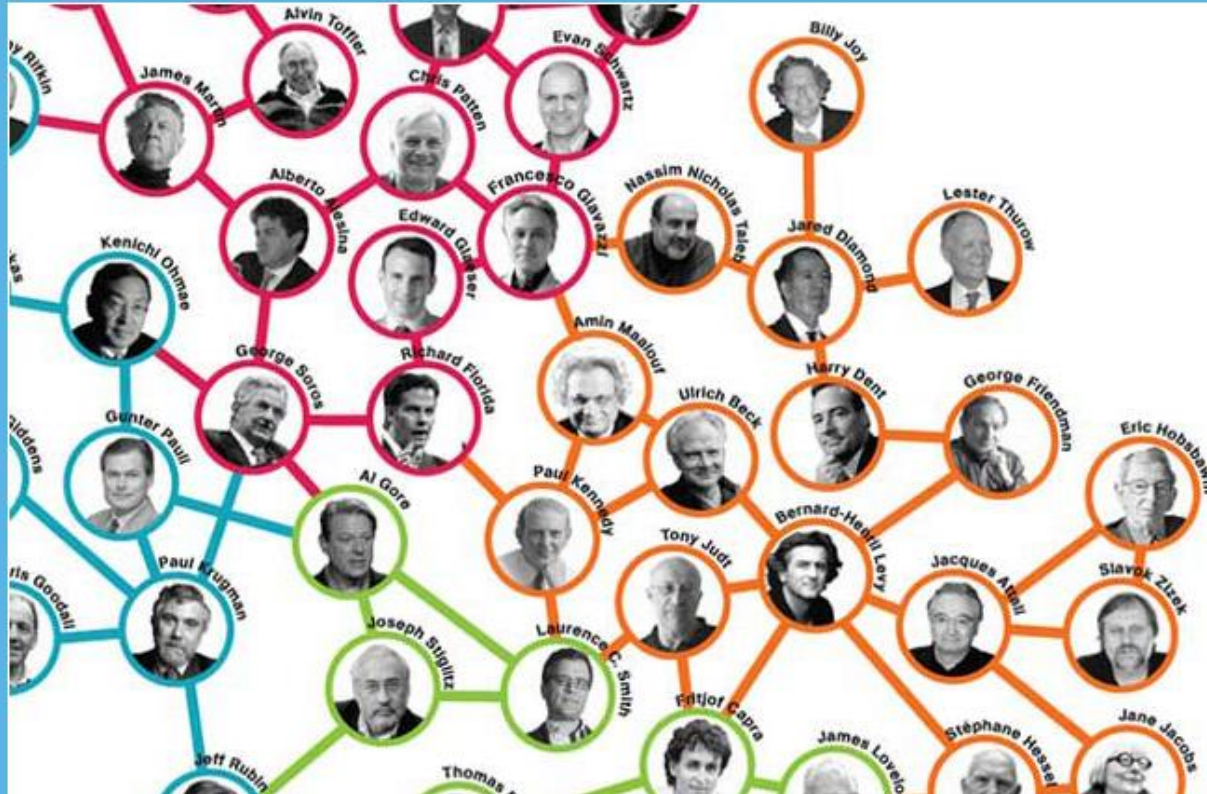


[David Simon at the Barcelona Contemporary Culture Center CCCB discussing Spatial Justice for RELOCAL H2020](#)

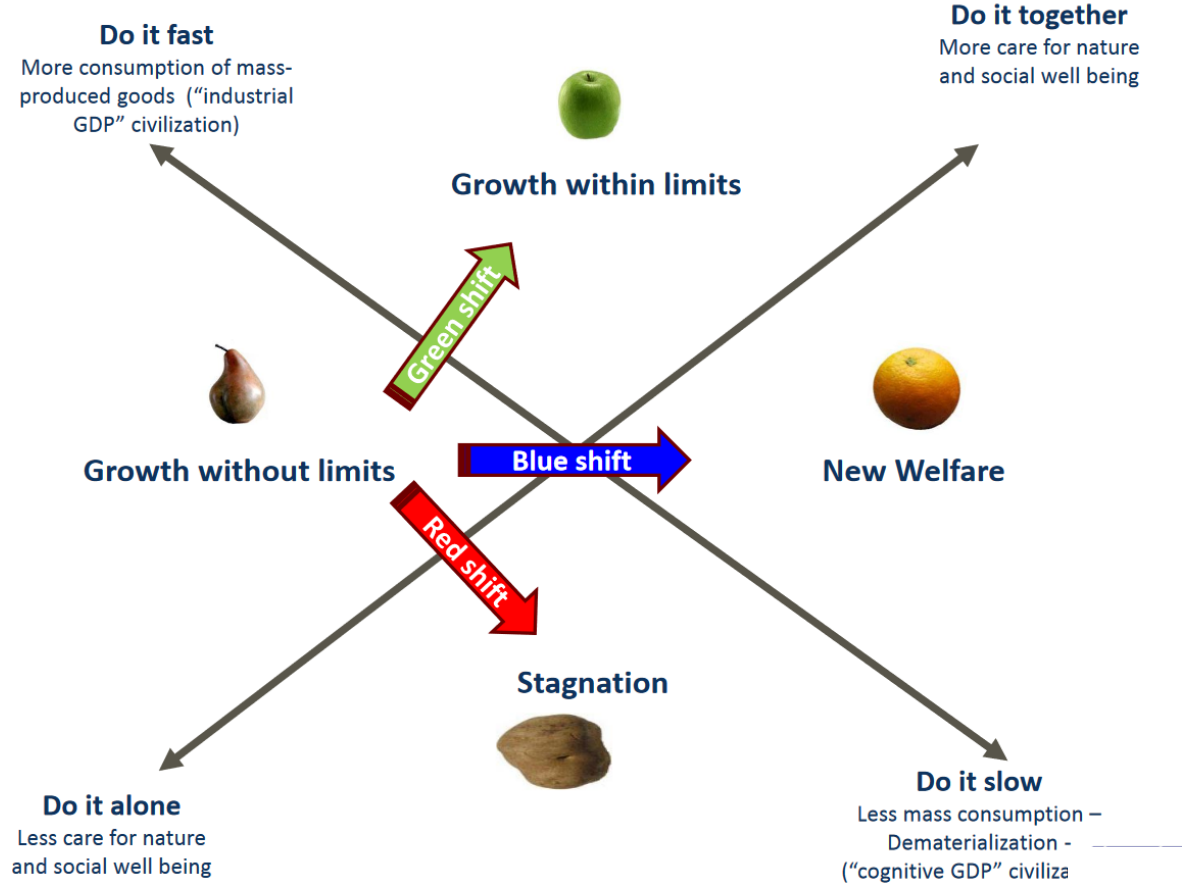
www.relocal.eu

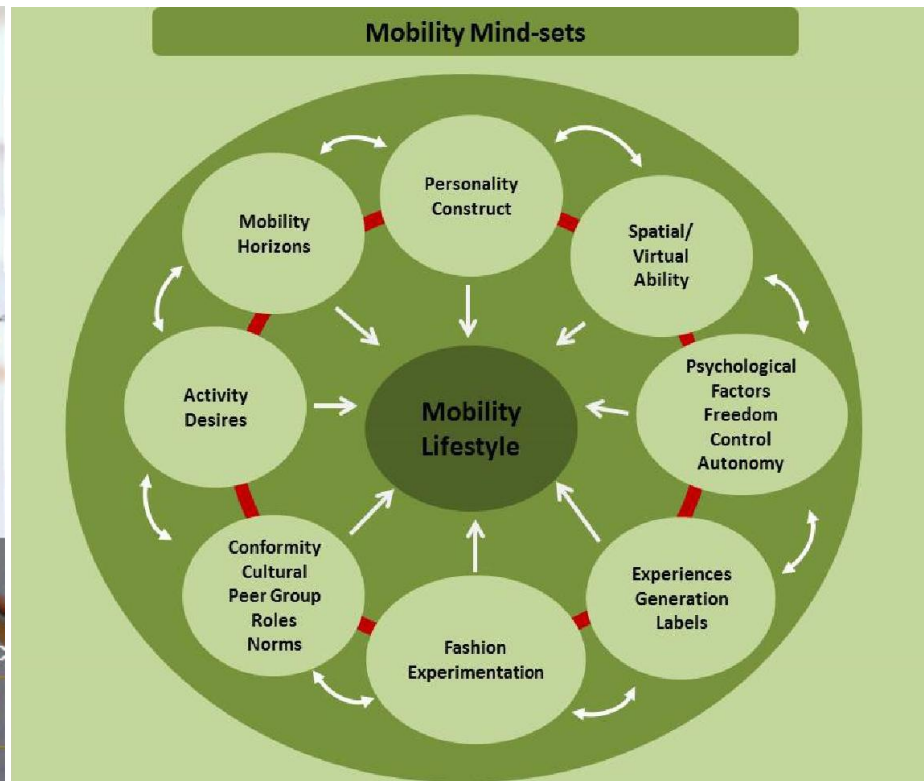
2016-2020

Map of Contemporary Visionaires



2008-2009







All cases by ID

Title Filter		Go	Display #	All	Reset Order
ARTICLE TITLE	DATE	HITS			
"Haller Willem": revitalisation of a regional railroad line	06.05.13	3601			
ABC towns in Stockholm: Vällingby	26.03.14	5366			
Addressing the last mile: combined rail and car sharing	08.05.13	1946			

MAIN MENU
LivingRail Library Frontpage

BROWSE ALL PRACTICES

All cases alphabetically
All cases by publication date

1.2.02: Smart Lanes: x

COMPASS OPTIMISED CO-MODAL PASSENGER TRANSPORT FOR REDUCING CARBON EMISSIONS

Handbook of ICT solutions for improving co-modality in passenger transport.

1.2.02: Smart Lanes on Hard Shoulders

★★★★★ (5.00 out of 5)

Solution family: Transportation Management Systems

Sub-family: Road Transport management

Domain of application: metropolitan

Technology behind: cameras, sensors in the road surface, signals, roadside camera recognition (CCTV)

Status: implemented

Links to relevant references

- UK Highways Agency, M42
- Variable lane assignment: two French projects for minimizing congestion on urban

Description

Concept and problems addressed Smart lanes or managed lanes, also known as active traffic management (ATM), are a scheme for improving traffic flow and reducing congestion on motorways. In the United States, it makes use of automatic systems and human intervention to manage traffic flow and ensure the safety of road users. In Birmingham, a hard shoulder strategy has been implemented as a part of the Active Traffic Management Scheme in M42:

- Vehicle detection 'Loop' (MIDAS traffic sensors) set into the road surface beneath each lane at regular intervals (rable as dark rectangular markings), and a network of CCTV cameras to detect traffic speed and density. The monitoring loops sense how much traffic there is. Depending on the volume of traffic and the duration of the congestion, a computer calculates the optimum speed to keep traffic moving. This speed is then displayed on the signals on the gentry overhead.
- Part-time traffic signals at entry slip roads (ramp metering) to control the flow of traffic entering the motorway.
- More than 54 gantries at 500m intervals above the motorway carrying large, lane-specific electronic Variable Message Signs (VMS), Advanced Motorway Indicator (AMI) signals, Advanced Motorway Signs (AMS) and digital speed enforcement equipment. These will relay information to motorists to open and close lanes and control speeds to prevent flow breakdown.

CCTV | AMS Signs | Lightweight Gantries

SOS Phone | ERA | HSR | AMI signs with Enforcement | Sensors

Lane Management Scheme in M42, Birmingham

Source: Traffic Management Services. Hard Shoulder Running. EasyWay, 2012

Barriers to Implementation

Financial issues The cost of introducing hard shoulder running depend in the first place on the width and the quality of the hard shoulder, whether it is of a high enough standard to allow heavy traffic on it without widening or upgrade of surface and underground structure. If it is, the main technical barriers Safety is generally the greatest concern when implementing shoulder running

MAIN MENU

- Handbook homepage
- COMPASS FP7 website
- ORGAM Solutions Library

BROWSE ALL CASES

- All cases alphabetically
- All cases by publication date

BROWSE CASES BY FAMILIES

- Transportation Management Systems
- Travel Information Systems
- Smart Ticketing and Tolling
- Smart Vehicles and Infrastructure

BROWSE CASES BY SUB-FAMILIES

- Transport management solutions
 - Urban Traffic Control
 - Road Transport Management
- Corridors and networks
 - Public Transport management
 - European Railways
 - Air Transport
 - Maritime Transport
- Traveller information systems
 - Passenger orientation and Guidance
 - Co-Modal Travel Planners
 - Real-Time Travel Information Services
 - Vehicle Positioning Services
 - Parking Management Systems (PGI)
- Smart ticketing and tolling
 - Electronic Toll Collection (ETC)
 - Access Management
 - Automated Fare Collection Systems (AFC) - Ticketing Systems
- Smart vehicles and infrastructure
 - Autonomous Driver Assistance
 - Cooperative V2V Applications
 - Vehicle Infrastructure Applications
- Demand responsive transport
 - Public Transport Services in Low

Search box

Solution portrait (title, family, domain of application, status...)

Displays all cases available in the COMPASS Handbook

Key references used for the assembling of factsheet, and for further reading

Displays all cases under each solution family

Solution description (concept, problems addressed, targeted users)

Displays cases under each subfamily

Barriers to implementation (financial, technical, ...)



POSSIBLE EUROPEAN TERRITORIAL FUTURES

This expert consultation is the first launched by the ESPON 2020 "Possible European Territorial Futures" project.

There are 10 questions on emerging trends related to 100% Renewable Energy, Circular Economy and Real Estate markets.

The consultation will remain active until November 13th, it is based on predefined answers and may take approximately 10 minutes of your time.

A report with conclusions will be sent to all participants late in November.

Thanks in advance for your collaboration!

European Territorial Futures is an ESPON 2020 Cooperation Programme funded project

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Sustainable building: 100% self-sufficient energy?

100% self-sufficient buildings are aimed at functioning 'off the grid', self-catering for power, water, sewage treatment, and so on. Ecocapsule is a Slovak solar powered pod-home commercialized for 80.000€, with a wind-turbine and a rain water storage allowing for living in it up to a year with no need to have water or electric power infrastructure. It can be transported and used in different locations. BioCasa82 in Italy was granted the LEED award for being built by boasting the 99% of recyclable materials, 100% of the rainwater collected and the 100% energy production from a photovoltaic system and a high efficiency geothermal plant for the production of heat, hot water and cooling. The house has a below 30 kW/m2 per year energy consumption.



Ecocapsule is a solar powered pod-home designed by Slovak company

How likely is that the initiative is implemented on a large scale?

- ☐ Indispensable
- ☐ Very likely
- ☐ Quite likely
- ☐ Not very likely

If implemented, how effective it could be?

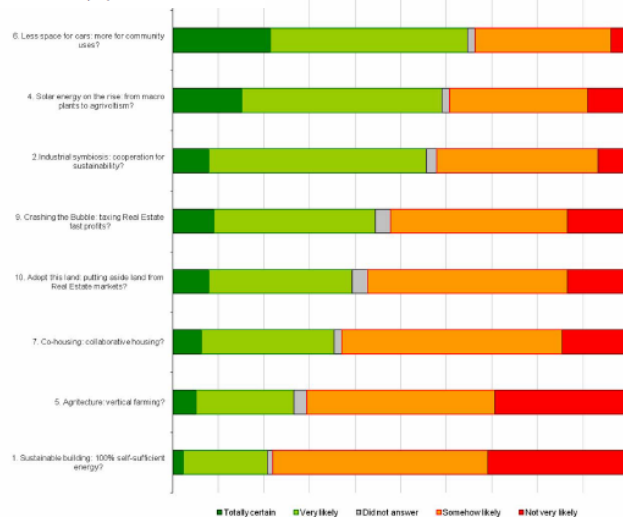
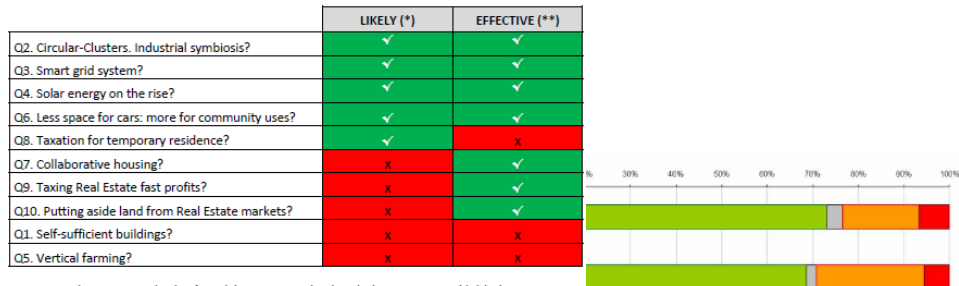
- ☐ Absolutely effective
- ☐ Very effective
- ☐ Rather effective
- ☐ Not very effective

What could be the added value of this initiative for the type of region or city in which you live in?

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European Territorial Futures



www.mcrit.com/territorialfutures/



Figure 3. Geographic location of participants of the ESPON 2020 Possible Territorial Futures expert consultation

FLAGSHIP. Forward Looking Analysis of Grand Societal Challenges & Innovative Policies



1. Select a Country

- Austria
- Belgium
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Greece
- Ireland
- Italy
- Netherlands
- Poland
- Spain
- Sweden
- United Kingdom
- Luxembourg
- Portugal
- Estonia
- Lithuania
- Latvia
- Slovenia
- Hungary
- Slovak Republic
- Romania**
- Bulgaria
- Malta
- Cyprus
- Croatia
- Switzerland
- Norway
- United States
- Japan
- Canada
- Brazil
- India
- China
- Chile
- Hong Kong SAR, China

2. Define return of savings and savings capacity by social classes

Country Key Facts:		Romania		
GDP (Y) in US\$2005 Bn		2015	2030	2050
Capital (K) in US\$2005 Bn		129	206	381
Capital to Income ratio (K/Y)		360	574	1,070
Average GDP growth 2015-2050	3,1%	278%	279%	281%

Change Hypotheses on savings rate and tax on wealth

	2015	2030	2050
Tax on Wealth		1,0%	2,0%
Return of savings (r)	5,0%	4,0%	3,0%

Share of total labour income by social classes (wages)	2015	2030	2050
TOP 10%	18,2%	19,9%	20,7%
MIDDLE	52,6%	54,6%	55,6%
BOTTOM 50%	29,2%	25,5%	23,7%

Savings rate by social classes	2015	2030 inc	2050 inc	2030	2050
TOP 10%	22,9%	0,0%	0,0%	22,9%	22,9%
MIDDLE	5,2%	0,0%	0,0%	5,2%	5,2%
BOTTOM 50%	2,0%	0,0%	0,0%	2,0%	2,0%

Run for all countries

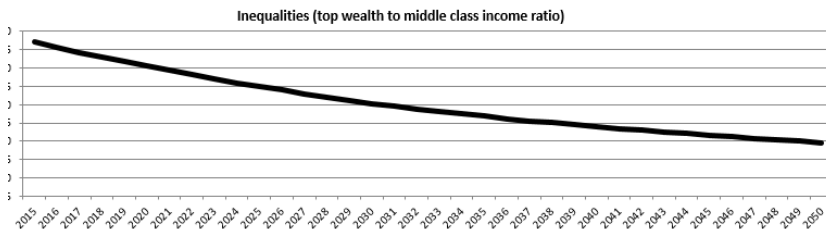
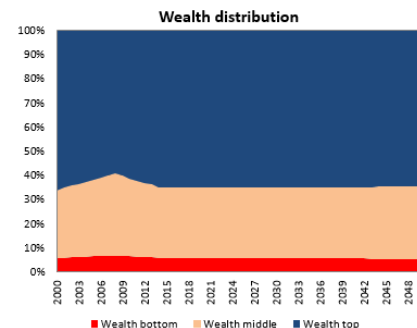
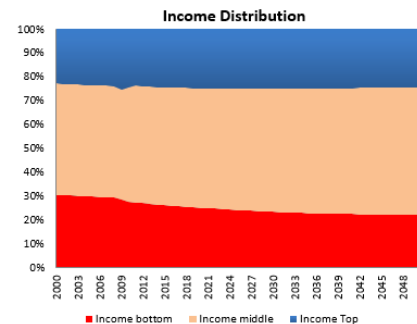
Export results

... GDP Hypotheses ...

... See Detailed Results ...

Income & Wealth distribution among classes

... About the model ...



Com veiem el repte des d'MCRIT?

- Competència creixent, major dificultat d'aconseguir finançament
- Reforçat la inversió humana en la captació de projectes
- Conceptes innovadors, impacte sobre polítiques Europees
- Interacció amb agents externs al projecte. Nous canals
- Consorcis internacionals, territorialment equilibrats

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