

Economía Digital: herramientas de financiación europea

Xornada de Economía Dixital. Europa na Provincia da Coruña 2018

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- 2. Programas e iniciativas
 - ESIF
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 - Digitizing European Industry
 - Skills
- 3. Ejemplos
- 4. El nuevo período de programación



Una brevísima introducción

EL MERCADO ÚNICO DIGITAL

Ejes de acción de la Comisión Juncker



- **1.** Jobs Growth and investment
- 2.Digital Single Market (bringing down barriers to unlock online opportunities)
- 3. Energy Union and climate
- 4. Internal Market
- 5. A deeper and fairer economic and monetary union
- 6. A balanced EU-US free trade agreement
- 7. Justice and fundamental rights
- 8. Migration
- 9. A stronger global actor
- **10.Democratic change**

Overview of Digital Single Market Initiatives

I. Better access for consumers and businesses to digital goods and services across Europe

Cross-border contract rules for consumers & businesses enforcement enforcement Review of the Satellite and Cable Directive
End of unjustified geoblockingReduce VAT burdenEfficient/affordable parcel deliveryModern copyright frameworkCross-border portability
II. Creating the right conditions for digital networks and services to flourish
Overhaul of EU telecoms rulesAudiovisual MediaCollaborativeStronger cybersecurity(WiFi4EU, BEREC, 5G)Services DirectiveEconomy(Public-Private-Partnership)
End of roaming feesSpectrum - UHF bandCommunication Online PlatformsOnline platforms as responsible playersePrivacy RegulationReview ENISA. Standars & certification
III. Maximising the growth potential of the Digital Economy
European Data Economy European Cloud Standards & Digital Skills
Free flow of non-personal data & accessibility/reuse of public data Digitising European Industry
European Commission proposal presented European Commission proposal adopted by Parliament and Council proposal to come



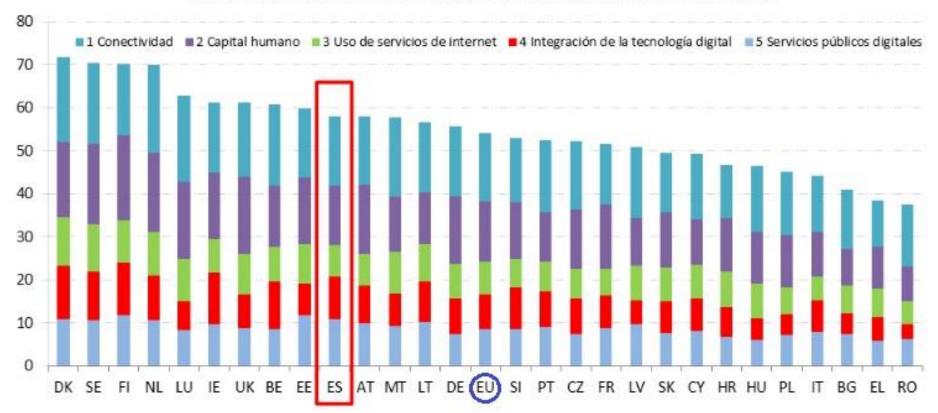
Organigrama DG CNECT

Robotics & Artificial Intelligence, Competitive Electronics Industry, Digitising Industry, Photonics, Telecoms Regulation, High Performance Computing, Flagships (HBP, Graphene), Cloud computing, Internet of things, e-Commerce & platforms, Innovation & blockchain, Digital Skills, Data policy, Cybersecurity, eHealth, eGovernment & Trust, Smart Mobility & Living, Audiovisual, Copyright, ...



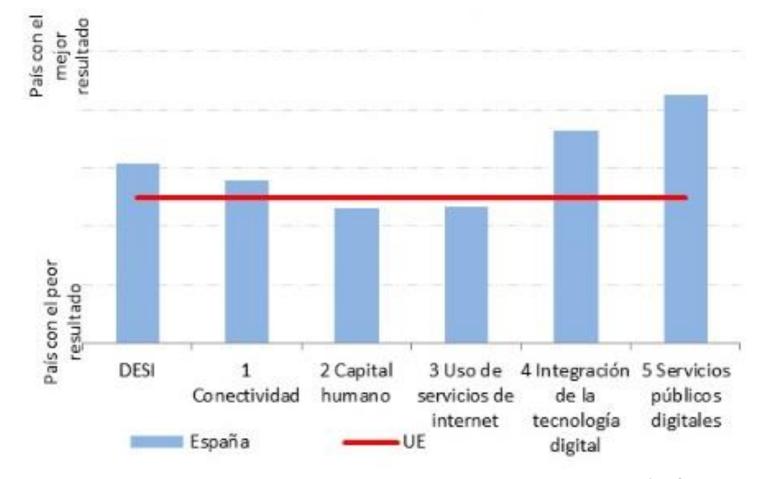
España en 2018 (1/2)

Clasificación del Índice de la Economía y la Sociedad Digitales (DESI) de 2018





España 2018 (2/2)





PROGRAMAS E INICIATIVAS

ESIF en Galicia (por programa)

Programa	MEUR
Galicia ERDF 2014-20 OP	147
Crecimiento Inteligente FEDER 2014-20 PO	48
Galicia - Fondo Europeo Agrícola de Desarrollo Rural	14
Sustainable growth ERDF 2014-20 OP	13
Galicia - ESF	5
Employment, training and education - ESF	2
Youth Employment - ESF/YEI	1
Interreg V-A - Spain-Portugal (POCTEP)	1



ESIF en Galicia

Category of intervention	Amnt
078 - e-Government services and applications (including e-Procurement, ICT measures supporting the reform of public administration, cyber-security, trust and privacy measures, e-Justice and e-Democracy):	83 M
081 - ICT solutions addressing the healthy active ageing challenge and e-Health services and applications (including e-Care and ambient assisted living):	37 M
080 - e-Inclusion, e-Accessibility, e-Learning and e-Education services and applications, digital literacy:	31 M
082 - ICT Services and applications for SMEs (including e-Commerce, e-Business and networked business processes), living labs, web entrepreneurs and ICT start-ups):	20 M
EAFRD - ICT in rural funds:	14 M
079 - Access to public sector information (including open data e-Culture, digital libraries, e-Content and e-Tourism):	14 M
047 - ICT: Very high-speed broadband network (access/local loop; >/= 100 Mbps):	13 M
05 - ESF 2nd theme - Enhancing the accessibility, use and quality of information:	8 M
044 - Intelligent transport systems (including the introduction of demand management, tolling systems, IT monitoring, control and information systems):	6 M
045 - ICT: Backbone/backhaul network:	3 M
004 - Productive investment linked to the cooperation between large enterprises and SMEs for developing information and communication technology ('ICT') products and services, e-commerce and enhancing demand for ICT:	1.5 M
046 - ICT: High-Speed broadband network (access/local loop; >/= 30 Mbps):	1 M
048 - ICT: Other types of ICT infrastructure/large-scale computer resources/equipment (including e-infrastructure, data centres and sensors; also where embedded in other infrastructure such as research facilities, environmental and social infrastructure):	0 M



European Commission

Horizon 2020

- Programa de investigación e innovación más ambicioso puesto en marcha por la Unión Europea (UE)
- 80 000 millones de euros (2014 2020) + inversión privada y pública



Horizonte 2020	MEUR		
Ciencia excelente			
Frontier research (ERC)		13095	
Acciones Marie Skłodowska-Curie		6162	
Tecnologías futuras y emergentes		2696	
Infraestructuras		2488	
Liderazgo en las tecnologías industrial	les y	de capa	citac
TIC		13557	
Instrumento PYME		3000	
Acceso a financiación de riesgo		2842	
Retos de la sociedad			
Salud y bienestar		7472	
Seguridad alimentaria y explotación so	(3851	
Energía sostenible		5931	
Movilidad integrada y ecológica		6339	
Accion por el clima, medio ambiente, e	E	3081	
Europa en un mundo cambiante: sociedad		1309	
Sociedades seguras: proteger la liber	1	1695	
Difundir la excelencia y ampliar la par		816	

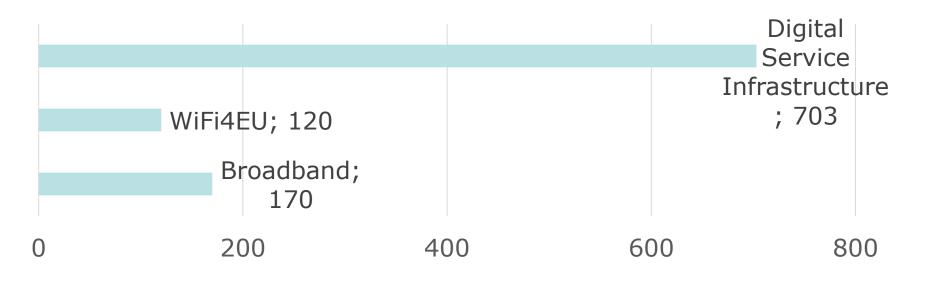


ES - Spain - most	active H	12020 progi	ramme parts	s by numbe	er of appli	cations
	fo	r the rese	arch proje	cts		
H2020 programme part	Nr. of applicatio ns	Requested EU contribution by applications (M euro)	Nr. of mainlisted applications	Success Rate (applicatio ns)	Requested EU contribution by mainlisted applications (M euro)	
EU.2.1 Leadership in enabling and industrial technologies (LEIT)	15.611	5.904,75	2.312	14,81 %	830,45	14,06 %
EU.1.3 Marie- Sklodowska-Curie Actions	14.483	2.961,18	1.617	11,16 %	304,96	10,30 %
EU.3.1 Health, demographic change and wellbeing	5.159	2.654,06	571	11,07 %	257,86	9,72 %
EU.3.3 Secure, clean and efficient energy	4.814	1.938,35	791	16,43 %	324,15	16,72 %
EU.3.2 Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy	3.631	1.236,92	689	18,98 %	200,19	16,18 %
EU.1.1 European Research Council (ERC)	3.097	4.966,78	301	9,72 %	437,77	8,81 %



CEF

Infrastructure programme to support the establishment of trans-European networks to reinforce an **interconnected Europe**





Digital Service Infrastructure

- Building block DSIs
 - enable delivery of networked trans-European interoperable services for citizens, businesses and/or governments
 - support vision of public services being not only digital by default but also cross-border by default
- Examples:
 - eID: secure cross-border authentication
 - eDelivery: Secure Exchange of documents and data
 - eArchiving: Sustainability of digital content held by archives
 - eInvoicing: Compliance with EU eInvoicing standards
 - eSignature: Creates and valides electronically signed documents
 - Automated translation



Sector-specific DSIs

provide trans-European interoperable online services for citizens, business and public administrations

- Public Open Data Portal
- eProcurement
- Business Registers Interconnection System (BRIS)

- eHealth
- Electronic Exchange of Social Security Information (EESSI)
- European eJustice
- Safer internet
- Europeana
- EU Student eCard



WiFi4EU

"Everyone benefiting from connectivity means that it should not matter where you live or how much you earn. So we propose today to equip every European village and every city with free wireless internet access around the main centres of public life by 2020."



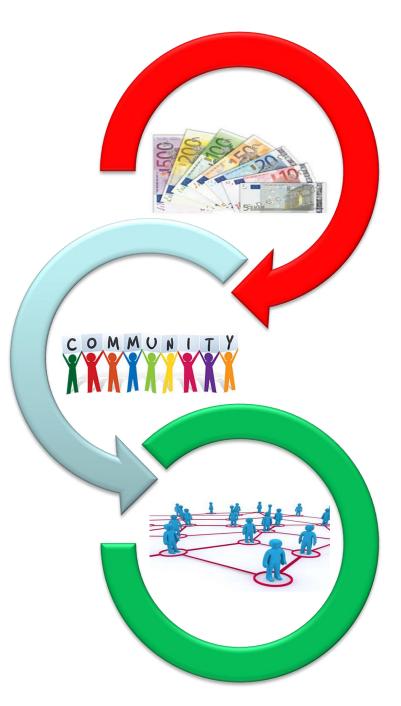


2016 State of the Union

WiFi4EU. Promote free Wi-Fi connections in centres of community life Support Wi-Fi equipment in public spaces (public administrations, libraries, parks, town squares, etc.), to

- allow Europeans experience the benefits of the Gigabit Society;
- encourage and promote innovative digital services developed locally: eGov, eHealth, eTourism, etc.





€ 120 million in WiFi4EU will result in

...connecting
6.000-8.000 communities

...future new e-services & brand-recognition

Making Europe visible and helpful

A response to local needs Same branding across the EU Quality user-experience



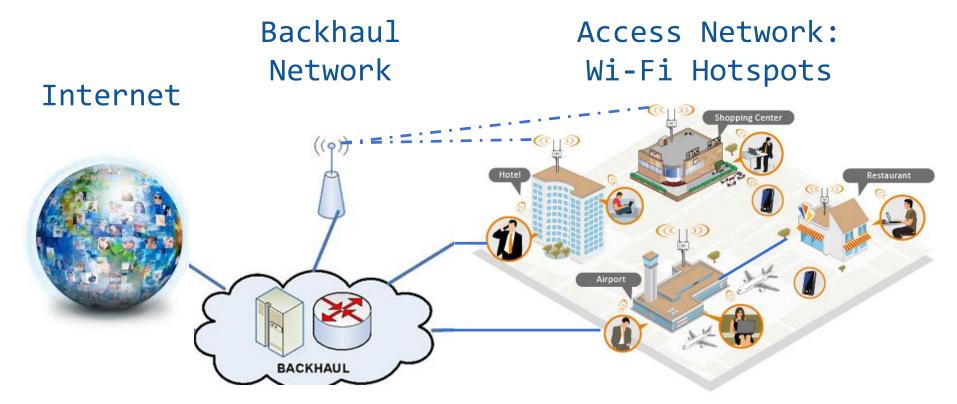
WiFi4EU. Shared involvement

1.EU Vouchers
 a.Cover equipment and installation
 costs (CAPEX)
 b.Up to 100 % = €15.000 max. /
 municipality

2.Public Authorities
a.Cover subscriptions to the operator
 (OPEX) + any tendering costs
 b.At least 3 years in operation

3.Regulatory framework

WiFi4EU. Synergetic efforts between EU funding sources



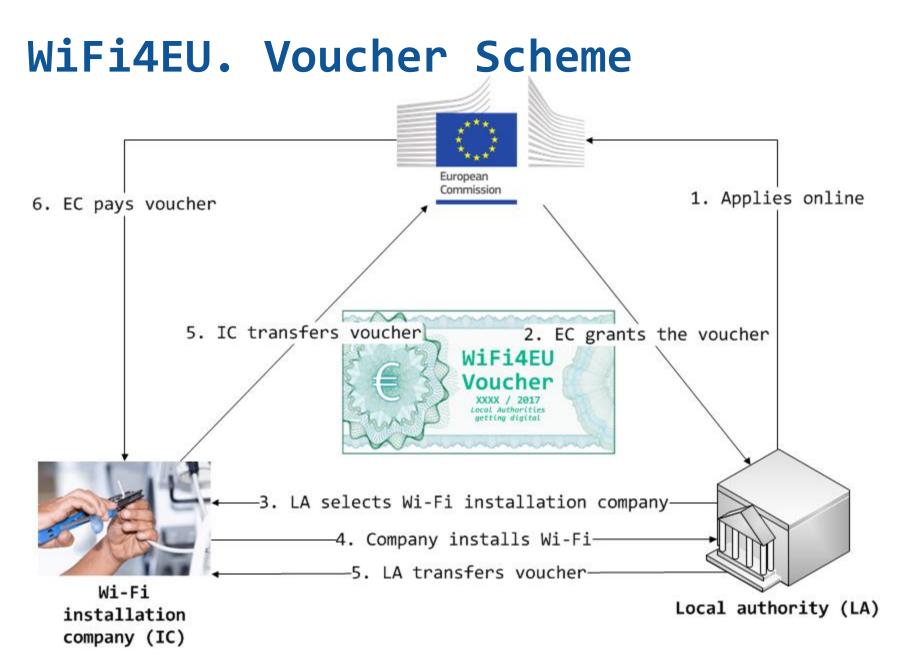
ESIF, CEF and EFSI can support the backhaul network (National/ Regional Broadband Plans) WiFi4EU will support the Wi-Fi access points (Local authority initiative)

WiFi4EU. Subsidiarity

EU chooses a.Geographical distribution b.Fair competition

- Municipality chooses a.Main centres of local community life b.Wi-Fi equipment c.Internet provider WiFi4EU. A user-centric scheme Simple & non-bureaucratic

- On-line applications & decision
- Payment by vouchers
- Real-time monitoring
- Agile audit & controls
- Fast deployment on the ground



OPENING OF THE WIFI4EU PORTAL FOR REGISTRATIONS	October 2018	Upload your supporting documents if double check that they comply with the up to date. It is possible to change the	e requirements and are still	
2018 WIFI4EU CALL LAUNCHED	07/11/2018 At 13:00 (CET)	Apply for the 2018 call. The number of available vouchers has been increased to more than 2500. All applicants will receive a confirmation email shortly after applying.		
ANNOUNCEMENT OF WINNERS	Approximately six weeks after the call	All applicants will receive an email with of the call.	h individualised results	
DISTRIBUTION OF VOUCHERS	Once winners have signed their grant agreements	Voucher-winners will receive an email with the request to sign an agreement. For the benefit of all parties, it is important that such agreements are signed as soon as possible. Once a winner has signed an agreement and designated a Wi-Fi installation company, the company can install the Wi-Fi hotspots.		
PAYMENTS TO WI-FI INSTALLATION COMPANIES	Once the WiFi4EU network is operational	Once the installation is completed and installation company needs to notify it the payment.		
WIFI4EU FIRST	First quarter 2019	Apply for the first call of 2019.	WiFi4EU	
2019 CALL		Apply for the lifst call of 2013.	Calendar	



European Commission

Broadband. Iniciativas (1/3)

- Marco politico: Una visión común y objetivos estrategicos
 - Agenda Digital Europea + Comunicación "Hacia una sociedad europea del Gigabit"
 - Plan de Acción 5G
- Regulación: un marco que estimule la inversión.
 - Código Europeo de Communicaciones Electrónicas (Acuerdo político / transposición 2020);
 - Directiva sobre reducción de costes (Informe de implementación en Junio de 2018)



Broadband. Iniciativas (2/3)

- Financiación.
 - Implementing current programmes ongoing:
 - Launch of a new Connecting Europe Broadband Fund (CEBF) in June 2018;
 - Voucher scheme to support free connectivity in public spaces (WiFi4EU initiative);
 - Adoption of proposals for the next Multi-Annual Financial Framework
 - Digital connectivtiy supported under CEF Digital, Structural Funds, InvestEU (DEP for digitasation)
- Ayudas de Estado: "step change" cases under assessment. GBER success



Broadband. Iniciativas (3/3)

• Apoyo y asistencia

- Grupo de trabajo del Consejo sobre 5G y Planes nacionales de banda ancha
- Broadband Europe website, Newsletter mensual, (más de 5900 subscriptores), conferencias anuales (B-Day) y Premios Europeos a la Banda Ancha
- Red de oficinas europeas competentes en materia de banda (BCO) y Plataforma participativa de banda ancha con el Comité de las Regiones.



CEBF

Fund Description	 €600 million, 12-year* fund dedicated to investments into "greenfield" broadb. networks EU Luxembourg SICAV-RAIF (Reserved Alternative Investment Fund) 4% yield from Year 4 to Class A and target gross IRR of 15%
CEBF Strategy	 Contribute to the roll-out of wired and wireless Next Generation Access ("NGA") networks and ancillary telecom infrastructures in the European Union, Norway and Iceland through financing of broadband infrastructure investments Help attract private investments for telecom infrastructure in digitally-deprived areas
Types of Investment	 Technically and economically viable greenfield projects located in grey or white NGA areas (<i>i.e.</i> most often semi-dense or rural areas). Robust pipeline in place Ticket size between €1 million and €30 million (estimated average at €12 million) Mostly strong equity minority positions sought and/or mezzanine/junior debt financing
Favorable Secured Risk / Return Profile	 € 200 million first loss junior equity provided by the European Commission and the EIB through EFSI Very attractive risk/return profile
Anchor Investors EC, EIB, NPBIs	European Commission Image: European Fund for Strategic Investments €100m €140m
Governance	 Strong independent fund manager with solid track record, expert CEBF team assembled Team negotiated a market standard GP-LP AIFM compliant set-up with the governance structure of a privately-run platform despite almost €400 million of public funding CEBF Investment Committee composed of Cube IM's 4 Managing Partners and 2 CEBF Executives
First Close	 First close June 2018 at €420 million
* 20-year fund with gu	aranteed exit opportunity at NAV in year 12

⁶ 20-year fund with guaranteed exit opportunity at NAV in year 12



European Commission

Creative Europe. MEDIA

- Support to the EU film and audiovisual industries financially in the development, distribution and promotion of their work.
- Helps to launch projects with a European dimension and nurtures new technologies.
- Enables European films and audiovisual works including feature films, television drama, documentaries and new media to find markets beyond national and European borders.
- Funds training and film development schemes.
- €2.5 billion over the past 27 years for European content, creativity and cultural diversity.
- Numerous awards for MEDIA supported films, for example 43 films supported by MEDIA have won top prizes at the Cannes Film Festival.



Digitizing European Industry







Digital Innovation Hubs

- 206 DIH, covering 100 out of 281 regions
- Various geometries (size, sector, technology)
- Funded through regional, national or EU programmes
- DIHs self-declared and cross-checked against criteria



Digital Innovation Hubs

- Market failure: A large share of SMEs does not master its digital transformation
- Through H2020 we only support highly innovative companies – the broad majority is not supported
- The existing infrastructure of DIHs is not strong enough to support the large amount of SMEs
- A fragmented coverage of DIHs across Europe
- Current business model for collaboration between DIHs is not solid enough



Skills

35% Labour force don't have basic digital skills ICT Jobs are now 3.7% of total employment





Skills (2)

- Digital Skills and Jobs Coalition
- Digital opportunity Traineeship
 - Cross-border traineeeships (2 to 12 months in companies focusing on digital skills) for up to 6000 students in 2018-2020
 - Students apply to their universities for Erasmus+ contribution
 - Universities select future trainees (strict criteria
 - Companies publish traineeship offers
 - Students eligible to the Erasmus+ contribution look for traineeships
 - Learning agreement is signed
 - Vacancies on http://ErasmusIntern.org



Algunos proyectos digitales con apoyo de la Unión Europea

EJEMPLOS

Antwerp, City of Things

Antwerp is building a smart city. The system uses internet to connect physical objects with each other and with people and this is known as the Internet of Things. It will allow citizens, city officials, businesses and academic researchers to respond to urban challenges, such as measuring air quality or preventing floods and fires.



Coursedot

Coursedot is a digital marketplace for IT training. It connects businesses that need to upskill their employees with IT training providers who can deliver the necessary training offline or online.

The database of Coursedot contains over 35,000 IT courses by 400 training providers. It works with over 2000 instructors worldwide. Currently 60% of its business is based in the EU.



Digital care for elderly people in Puglia

In 2006, the region started to invest in telemedicine and innovative technologies to improve the living standard of elderly and disabled people. The initiative involves local industries, hospitals, doctors, pharmacies, organisations and public administration. It also cooperates with regional broadband projects to ensure stable and guaranteed internet connection everywhere.

Supported by the SmartHealth2.0 Puglia strategy, local SMEs and researchers have developed new innovative products and filed several patents.

Podoactiva and Ingecontrol

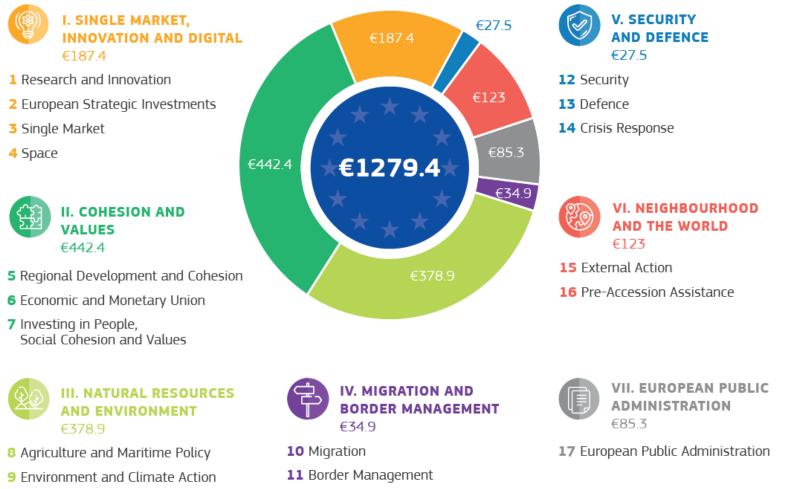
Podoactiva, a Spanish traditional podiatrist company, saw the potential of digitisation to create a unique method to scan feet in order to produce made-to-measure medical insoles. Podoactiva developed the technology in partnership with Ingecontrol, an IT company who provided them with the specific software. From their home town in Huesca, Podoactiva and Ingecontrol have now private clinics which use this technology in Spain, Portugal, Italy and Mexico. As a result they sell made-to measure products to customers worldwide.



El nuevo período de programación **FUTURO**

A BUDGET ALIGNED TO POLITICAL PRIORITIES Simplification, transparency and flexibility

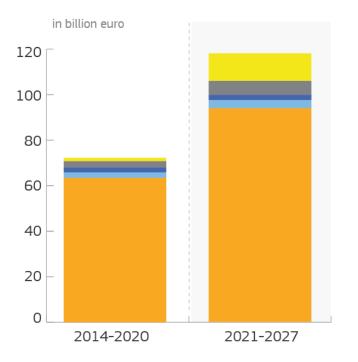
In billion euro, current prices







Investing in the future



Digital Europe Programme & Connecting Europe Facility - Digital

International Thermonuclear Experimental Reactor (ITER)

Euratom Research and Training Programme

Innovation Window InvestEU Fund

Horizon Europe

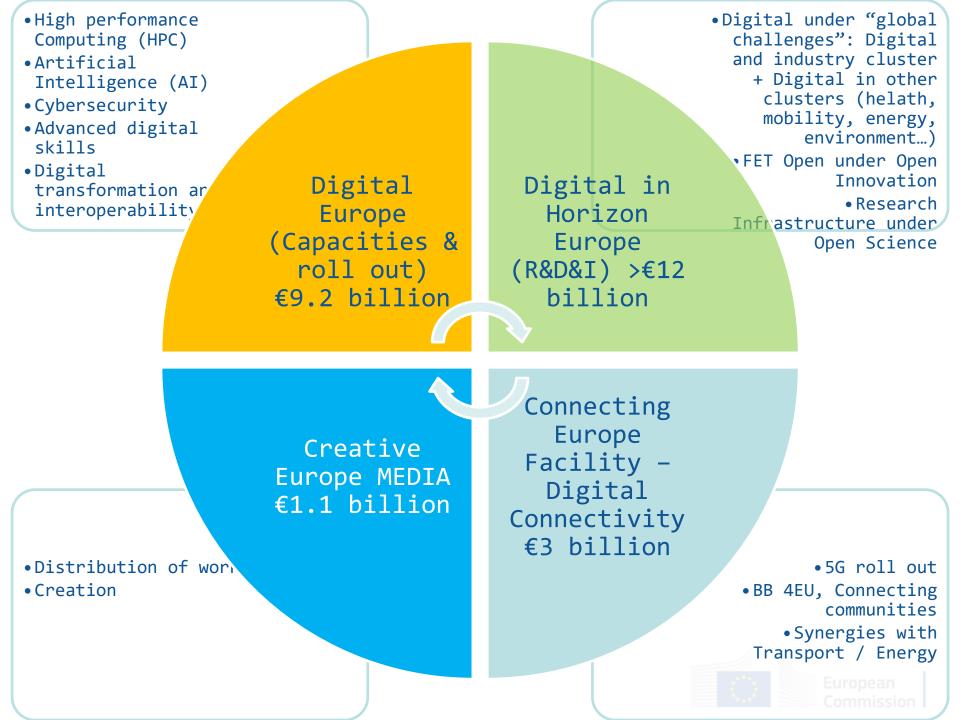
Building on the success of the EU's past flagship research and innovation programmes, the Commission proposes to increase investment in research-innovation and digital by allocating **€118.3 billion** for the future MFF.



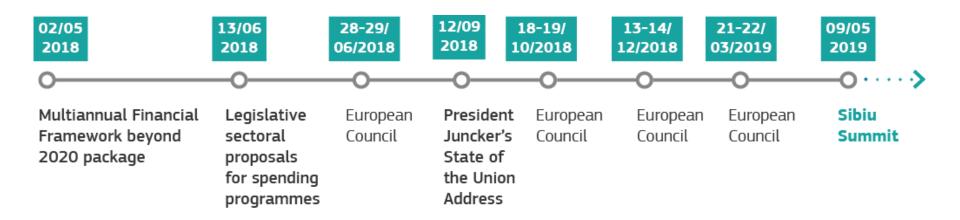
European Commission

Source: European Commission

Note: Compared to the Multiannual Financial Framework 2014-2020 at EU-27 (estimate) *Source:* European Commission









Follow the latest progress and get involved.



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