

Ecosistema “Internet of Things” (IoT) en Bélgica

15 de octubre de 2018

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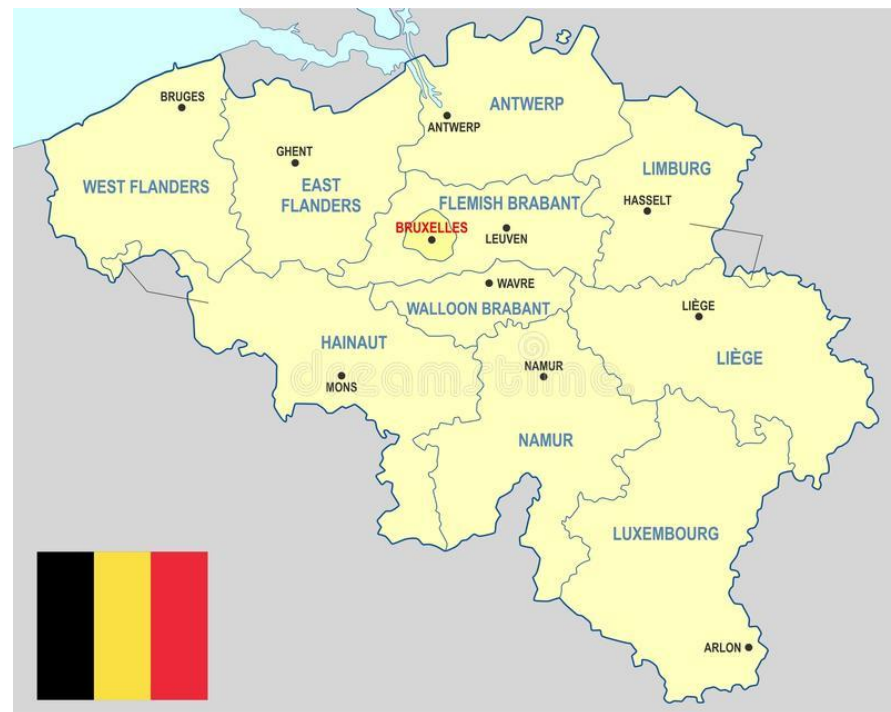
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DATOS GENERALES

Superficie	30.528 km ²
Población	11,4 millones de personas
Densidad de población	371,8 hab./km ²
Idioma	Neerlandés (oficial: 60%) Francés (oficial: 40%) Alemán (oficial: menys d'un 1%)
Moneda	Euro
Esperanza de vida	81 años
Religión	Católicos (75%) Otros (25%)
Tasa de alfabetización + 15 años	n/d plena alfabetización

Fuente: Estratègia y Intel·ligència Competitiva, ACCIÓ.

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CUADRO MACROECONÓMICO 2016

Crecimiento económico	1,2%
PIB (PPP)	509.531 M\$
PIB per cápita (PPP)	45.046,9\$
Inflación	1,8%
Tasa de desempleo	8%
Deuda pública	106,7% del PIB
R+D/PIB	2,45% (2015)
Balance comercial	25.320,6 M\$
Clientes principales	Alemania (16,7%) Francia (15,4%) Países Bajos (11,2%) Reino Unido (8,9%) Estados Unidos (5,8)
Proveedores principales	Países Bajos (16,1%) Alemania (13,6%) Francia (9,5%) Estados Unidos (8,1%) Reino Unido (4,8%)
<i>Doing Business</i>	42/190

CATEGORÍAS DE EMPRESAS

- ***Proveedores de Plataformas (Paas)***: es una categoría de servicios de computación en la nube que ofrece una plataforma para que los clientes puedan desarrollar, ejecutar y gestionar aplicaciones sin la complejidad de construir y mantener la infraestructura asociada típicamente con desarrollar y lanzar una app.
- ***Proveedores de Soluciones***: proveedores que gestionan de forma exhaustiva las necesidades de proyectos de sus clientes, des del concepto hasta la instalación, a partir de apoyo.
- ***Hardware & Electrónica***: fabricantes de las partes físicas y electrónicas de los dispositivos tecnológicos.
- ***Proveedores de Tecnología***: ofrecen productos tecnológicos e implementan componentes tecnológicos.
- ***Consultoría***: ofrecen consejo experto en el ámbito de la tecnología IoT.



PROVEEDORES DE PLATAFORMAS



PROYECTOS EUROPEOS:

- [H2020-LCE-2016-SGS](#) - Generalized Operational Flexibility for Integrating Renewables in the Distribution Grid. Participating as: Coordinator (IBM Ireland Limited).
- [H2020-MSCA-ITN-2016](#) - OMT - Optomechanical Technologies. Participating as: Participant (IBM RESEARCH GMBH, Suiza).
- [H2020-ICT-2016-1](#) - Secure Data Processing in the Cloud. Participating as: Coordinator (IBM ISRAEL - SCIENCE AND TECHNOLOGY LTD).

MICROSOFT



PROYECTOS EUROPEOS:

- [H2020-MSCA-RISE-2016](#) - The International network on Crisis Translation. Participating as: Partner Organization (MICROSOFT CORPORATION, US).
- [H2020-MSCA-ITN-2017](#) - DNA-Based Modular Nanorobotics. Participating as: Partner Organization (MICROSOFT RESEARCH LIMITED, UK).
- [FP7-INFRASTRUCTURES-2010-2](#) - Virtual Multidisciplinary Environments Using Cloud infrastructures. Participating as: Participant (MICROSOFT RESEARCH LIMITED, UK).

PROXIMUS

The Proximus logo is displayed within a rectangular box with a purple-to-blue gradient background. The word "proximus" is written in a white, lowercase, sans-serif font.

PROYECTOS EUROPEOS:

- [H2020-SMEINST-1-2016-2017](#) - Fast IoT market take-up through The Things Networks. Participating as: THE THINGS INDUSTRIES BV (a Dutch SME that uses IoT/LoRaWAN gateway hardware sales and related consultancy).
- [H2020-SMEINST-1-2016-2017](#) - Environmental Urban Monitoring System. Participating as: W2W SOLUTIONS ITALIA SRL (introducing to the market LoRaWAN GPRS).

THINGSPLAY



No tiene proyectos europeos.

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PROVEEDORES DE SOLUCIONES



PROYECTOS EUROPEOS:

- [FP7-SPACE-2012-1](#) - Characterization of metadata to enable high-quality climate applications and services. Participating as: Participant (CGI IT UK LIMITED).
- [FP7-SPACE-2013-1](#) - Quality Assurance for Essential Climate Variables. Participating as: Participant (CGI IT UK LIMITED).
- [FP7-ICT-2011-8](#) - Europe-Wide Platform for Cooperative Mobility Services. Participating as: Participant (*CGI NEDERLAND BV*, Netherlands, and *CGI SUOMI OY*, Finland).

AXIANS

axians

No tiene proyectos europeos.

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CODIT



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DELAWARE

delaware

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DEVOTEAM



PROYECTOS EUROPEOS:

- [FP7-ICT-2013-11](#) - Scalable Energy Management Infrastructure for Aggregation of Households. Participating as: Participant (DEVOTEAM SOLUTIONS AS, Norway).
- [FP7-SEC-2012-1](#) - Inter System Interoperability for Tetra-TetraPol Networks. Participating as: Participant (DEVOTEAM FRINGES SA, Spain).
- [CIP-ICT-PSP-2011-5](#) - Governments Enabled with IPv6. Participating as: Coordinator (Devoteam Danet GmbH, Germany).

HARDWARE & ELECTRÓNICA

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PRODUCTIZE



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PROVEEDORES DE TECNOLOGÍA



UNICON



PROYECTOS EUROPEOS:

- [FP7-NMP-2008-LARGE-2](#) - New industrial technologies for tailor-made concrete structures at mass customized prices. Participating as: Participant (Unicon a/s, Denmark).

CONSULTORÍA



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PROYECTOS EUROPEOS:

- [ECSEL-2014-1](#) - Cyber Physical System based Proactive Collaborative Maintenance. Participating as: Participant (SIRRIS HET COLLECTIEF CENTRUM VAN DE TECHNOLOGISCHE INDUSTRIE, Belgium).
- [H2020-ECSEL-2017-1-IA-two-stage](#) - Integrated Development 4.0. Participating as: Participant (SIRRIS HET COLLECTIEF CENTRUM VAN DE TECHNOLOGISCHE INDUSTRIE, Belgium).
- [H2020-MSCA-ITN-2017](#) - European Network for Alloys Behaviour Law Enhancement. Participating as: Participant (SIRRIS HET COLLECTIEF CENTRUM VAN DE TECHNOLOGISCHE INDUSTRIE, Belgium).



PROYECTOS EUROPEOS:

- [H2020-PHC-2014-single-stage](#) - Mobile Therapeutic Attention for Patients with Treatment Resistant Schizophrenia. Participating as: Participant (IMINDS, Belgium).
- [H2020-ICT-2014-1](#) - Open Framework of E-Services for Multilingual and Semantic Enrichment of Digital Content. Participating as: Participant (IMINDS, Belgium).
- [FP7-ICT-2009-5](#) - Cognitive Radio Experimentation World. Participating as: Coordinator (IMINDS, Belgium).



PROYECTOS EUROPEOS:

- [H2020-ICT-2015](#) - Transparent heterogeneous hardware Architecture deployment for energy Gain in Operation. Participating as: Participant (CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION, Belgium).
- [H2020-ICT-2014-1](#) - Enabling Federated Cloud Networking. Participating as: Coordinator (CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION, Belgium).
- [FP7-SEC-2013-1](#) - Emergency Responder Data Interoperability Network. Participating as: Participant (CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION, Belgium).



PROYECTOS EUROPEOS:

- [H2020-IOT-2016](#) - SynchroniCity: Delivering an IoT enabled Digital Single Market for Europe and Beyond. Participating as: Participant (ROMBIT, Belgium).

CONVOCATORIAS HORIZON 2020



HORIZON 2020



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Properas convocatòries	Data d'obertura	Tancament
LC-SC3-RES-7-2019: Solar Energy in Industrial Processes https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-7-2019.html	07 May 2019	27 August 2019
LC-SC3-RES-23-2019: Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-23-2019.html	07 May 2019	27 August 2019
LC-SC3-RES-16-2019: Development of solutions based on renewable sources that provide flexibility to the energy system https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-16-2019.html	07 May 2019	27 August 2019
LC-SC3-NZE-5-2019-2020: Low carbon industrial production using CCUS https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-5-2019-2020.html	07 May 2019	27 August 2019
LC-SC3-NZE-4-2019: Integrated solutions for flexible operation of fossil fuel power plants through power-to-X-to-power and/or energy storage https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-nze-4-2019.html	07 May 2019	27 August 2019
LC-SC3-CC-1-2018-2019-2020: Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-1-2018-2019-2020.html	07 May 2019	27 August 2019
LC-SC3-EE-9-2018-2019: Innovative financing for energy efficiency investments https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-9-2018-2019.html	24 January 2019	03 September 2019
LC-SC3-EE-8-2018-2019: Capacity building programmes to support implementation of energy audits https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-8-2018-2019.html	24 January 2019	03 September 2019
LC-SC3-EE-6-2018-2019-2020: Business case for industrial waste heat/cold recovery https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-6-2018-2019-2020.html	24 January 2019	03 September 2019

Properas convocatòries	Data d'obertura	Tancament
LC-SC3-EE-5-2018-2019-2020: Next-generation of Energy Performance Assessment and Certification https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-5-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-4-2019-2020: Upgrading smartness of existing buildings through innovations for legacy equipment https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-4-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-3-2019-2020: Stimulating demand for sustainable energy skills in the construction sector https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-3-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-2-2018-2019: Integrated home renovation services https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-2-2018-2019.html	24 January 2019	03 September 2019
LC-SC3-EE-16-2018-2019-2020: Supporting public authorities to implement the Energy Union https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-16-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-14-2018-2019-2020: Socio-economic research conceptualising and modelling energy efficiency and energy demand https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-14-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-13-2018-2019-2020: Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side as energy resource https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-13-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-11-2018-2019-2020: Aggregation - Project Development Assistance https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-11-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EE-10-2018-2019-2020: Mainstreaming energy efficiency finance https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-10-2018-2019-2020.html	24 January 2019	03 September 2019

Properas convocatòries	Data d'obertura	Tancament
LC-SC3-EE-1-2018-2019-2020: Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-1-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EC-2-2018-2019-2020: Mitigating household energy poverty https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-2-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-EC-1-2018-2019-2020: The role of consumers in changing the market through informed decision and collective actions https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ec-1-2018-2019-2020.html	24 January 2019	03 September 2019
LC-SC3-JA-5-2019: Joint Programming with EU and African partners for a R&I actions in the area of renewable energy https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ja-5-2019.html	24 January 2019	03 September 2019
LC-SC3-JA-3-2019: European Pre-Commercial Procurement Programme for Wave Energy Research & Development https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ja-3-2019.html	24 January 2019	03 September 2019
LC-SC3-CC-3-2019: Support for the opening of low-carbon energy research databases in Europe https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-cc-3-2019.html	14 November 2018	27 August 2019
LC-SC3-SCC-1-2018-2019-2020: Smart Cities and Communities https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html	05 September 2018	05 February 2019
LC-SC3-RES-8-2019: Combining Renewable Technologies for a Renewable District Heating and/or Cooling System https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-8-2019.html	05 September 2018	11 December 2018
LC-SC3-RES-28-2018-2019-2020: Market Uptake support https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-28-2018-2019-2020.html	05 September 2018	11 December 2018

Properas convocatòries	Data d'obertura	Tancament
LC-SC3-RES-24-2019: Boosting pre-commercial production of advanced aviation biofuels https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-24-2019.html	05 September 2018	11 December 2018
LC-SC3-RES-17-2019: Demonstration of solutions based on renewable sources that provide flexibility to the energy system https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-17-2019.html	05 September 2018	05 February 2019
LC-SC3-RES-15-2019: Increase the competitiveness of the EU PV manufacturing industry https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-15-2019.html	05 September 2018	05 February 2019
LC-SC3-ES-8-2019: European Islands Facility - Unlock financing for energy transitions and supporting islands to develop investment concepts https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-8-2019.html	05 September 2018	05 February 2019
LC-SC3-ES-6-2019: Research on advanced tools and technological development https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-6-2019.html	05 September 2018	05 February 2019
LC-SC3-ES-2-2019: Solutions for increased regional cross-border cooperation in the transmission grid https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-2-2019.html	05 September 2018	05 February 2019
LC-SC3-ES-1-2019: Flexibility and retail market options for the distribution grid https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-es-1-2019.html	05 September 2018	05 February 2019
LC-SC3-RES-14-2019: Optimising manufacturing and system operation https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-14-2019.html	01 August 2018	16 October 2018
LC-SC3-RES-1-2019-2020: Developing the next generation of renewable energy technologies https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-res-1-2019-2020.html	01 August 2018	16 October 2018
LC-SC3-EE-17-2019: European City facility - European Cities as key innovation hubs to unlock finance for energy efficiency https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-17-2019.html	01 August 2018	05 February 2019

GRACIAS POR SU ATENCIÓN.

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