Corporación Tecnológica de Andalucía

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ANIVERSAR10

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What is CTA?


INDUSTRIAL CLUSTER
Public private partnership
158 companies
>50% SMEs
7 SECTORS

Sectors

- Aerospace and Productive Processes
- Agrifood
- Biotechnology
- Building and Civil Engineering
- Energy and Environment
- Information and Communication Technologies
- Leisure and tourism industry

Mission

Industrial multisectorial cluster leading innovation

- Promote and facilitate the transfer of knowledge and technology between Public Research Groups/ Centres and Companies, in order to generate economic and/or social benefits
- Evaluation and funding of enterprise R&D and innovation projects in collaboration with Andalusian University Research Groups
- Promote an innovative culture within Andalusian companies

CTA in numbers

- 158 member companies, some of the most innovative
- 900 R&D projects submitted, 600 funded
- 462,42 M€ total R&D projects' expenditure
- 153,21 M€ funds awarded
- 335 public/university research groups/>1.000 researchers
- 84,71 M€ contracted to public/university research groups
- 22% projects carried out in collaboration

62 Agrifood projects (36.77M€ eligible expenditures, 12.4M€ CTA funds)

133 ICT projects (96,6M€ eligible expenditures, 30,1M€ CTA funds)

AGRIFOOD AND BIG DATA CAPACITIES - CTA CLUSTER

EraNet ICT – AGRI 2

ICT and robotics for sustainable agriculture

FP7 Era Net

2013-2017

24 partners, 4 observers, from16 different countries

Led by Innovation Fund Denmark

The purpose of ICT-AGRI Partnerships is to generate transnational projects of R&D&I related to ICT and robotics for sustainable agriculture

1	DASTI	Danish Agency for Science, Technology and Innovation Ministry of Science, Innovation and Higher Education	Denmark
2	DAFA	Danish AgriFish Agency Ministry of Food, Agriculture and Fisheries	Denmark
3	ILVO	Institute for Agricultural and Fisheries Research (ILVO)	Belgium
4	VLAIO	Flanders Innovation & Entrepreneurship	Belgium
5	MMM	Ministry of Agriculture and Forestry	Finland
6	IRSTEA	National Research Institute of Science and Technology for Environment and Agriculture	France
7	BLE	Federal Office for Agriculture and Food Federal Ministry of Food and Agriculture	Germany

8	BMELV	Federal Ministry of Food and Agriculture	Germany
9	GRNET	Greek Research & Technology Network	Greece
10	TEAGASC	TEAGASC - Agriculture and Food Development Authority	Ireland
11	MARD	Ministry of Agriculture and Rural Development	Israel
12	MIPAAF	Ministry of Agriculture Food and Forestry Policies	Italy
13	LAS	Latvian Academy of Science	Latvia
14	ASU	Aleksandras Stulginskis University	Lithuania
15	MEA	Ministry of Economic Affairs, Agriculture and Innovation	Netherlands

16	TNO	Netherlands Organisation for Applied Scientific Research	Netherlands
17	DLO	Stichting Dienst Landbouwkundig Onderzoek	Netherlands
18	FOAG	Federal Office for Agriculture - Bundesamt für Landwirtschaft	Switzerland
19	INFO MURCIA	Instituto de Fomento de la Region de Murcia	Spain
20	CTA	Corporación Tecnológica de Andalucía	Spain
21	GDAR	General Directorate of Agricultural Research and Policies Ministry of Food, Agriculture and Livestock	Turkey
22	TÜBITAK	Scientific and Technological Research Council of Turkey	Turkey
23	DEFRA	Department for Environment, Food and Rural Affairs	United Kingdom
24	IFD	Innovation Fund Denmark Ministry of Science, Innovation and Higher Education	Denmark

Results

2014: 9 projects funded, Joint call with Future Internet Accelerator Smartagrifood

2014 - Services & Applications for Smart Agriculture

The call is in collaboration with the Future Internet Accelerator project SmartAgrifood. The objective for SmartAgriFood is to accelerate the use of FIWARE internet technologies for smart services and applications, while the purpose of the ICT-AGRI engagement is to contribute with agricultural knowlegde and experience.

Fifty projects are funded in this call, herof nine projects with ICT-AGRI funded participation

2015: 8 projects funded, Enabling precision farming

Results

2016: 522 mapped projects: http://ict-agri.eu/project-search-simple.
Key word: Big Data, 53 projects

Score	Project title	Duration	Funder	Country
1.00	Soil-for-life Beta: Optimising Big Data to Drive Sustainable Intensification	September 2014 to August 2017	Innovate UK (formerly Technology Strategy Board)	United Kingdom
0.99	BigTU: Big Data in Horticulture	January 2015 to December 2018	Ministry of Economic Affairs, Agriculture and Innovation	Netherlands
0.94	BigDataEurope: Integrating Big Data, Software and Communities for Addressing Europe's Societal Challenges	January 2015 to December 2017	Horizon 2020	International
0.94	DABAI - DAnish Center for Big Data Analytics driven Innovation	January 2016 to December 2019	Innovation Fund Denmark	Denmark
0.93	Optimising Big Data to Drive Sustainable Agricultural Intensification (14TSB_ATC_IR)	October 2014 to October 2017	Biotechnical and Biological Sciences Research Council	United Kingdom
0.75	BYNSE: Business Intelligence Service for the Management of Crops Based on Cloud and Big Data	June 2015 to September 2015	Horizon 2020 - SME Instrument	International
0.75	BYNSE: BUSINESS INTELLIGENCE SERVICE FOR THE MANAGEMENT OF CROPS BASED ON CLOUDAND BIG DATA	June 2015 to September 2015	Horizon 2020 - SME Instrument	International
0.72	Big Data Infrastructure for Crop Genomics	December 2014 to June 2016	Biotechnical and Biological Sciences Research Council	United Kingdom
0.71	The implications of 'big data' for Australian agriculture	April 2015 to March 2016	Cotton Research & Development Corporation - Australian Government	Australia
0.42	Integrated sensors platform and farming georeferenced data with augmented reality interface - SAGIRA		Ministerio de Industria, Energía y Turismo	Spain

EraNet ICT – AGRI 2

Main ICT challenges defined by ICT AGRI 2 Strategic Research Agenda are related to Traceability and Big Data Subplatform topics:

Big data: Define and operationalize an infrastructure to analyze and visualize the combination of large amounts of data from various sources

Information ownership: deal with ownership of data, licensing for data usage, define business models for data sharing, cost-benefit analysis for the aggregation of data and allow open data.

Standardization of high-quality data: standardize data for efficient exchange between users in the supply chain, develop interoperable systems

EraNet ICT – AGRI 2

2017 call for R&D&I projects: from January 2017 to 21st April 2017
Topics: Farm Management Systems for Precision Farming
Scope:

1.Agricultural research on use of sensor data for decision support
2.Development of applications for Precision Farming
3.Cases of integration of third-party applications with Farm Management Systems

At least three countries or regions must be represented in the proposal consortium, except for proposals addressing predominantly topic 3 which may have only two countries or regions represented.

ICT H2020 Thematic priority
Topic: ICT 33a - European Wide networks of public procurers preparing future PCPs or PPIs

- one-stage.
- Deadline: 25/04/2017. 17.00 CET.
- Coordination and Support Action
- Budget: 1-2M€

Partners sought: Regional Agriculture administrations who can act as public procurers (EU level).

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