

A man in a red polo shirt is crouching in a cornfield, looking down at a document he is holding. The background is filled with green corn leaves, creating a sense of being in the field. The lighting is natural, suggesting daytime.

Science to feed a future of sustainable well-being

IRTA[®]



Generalitat
de Catalunya

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About IRTA



Who are we?

Institute of Agrifood Research and Technology

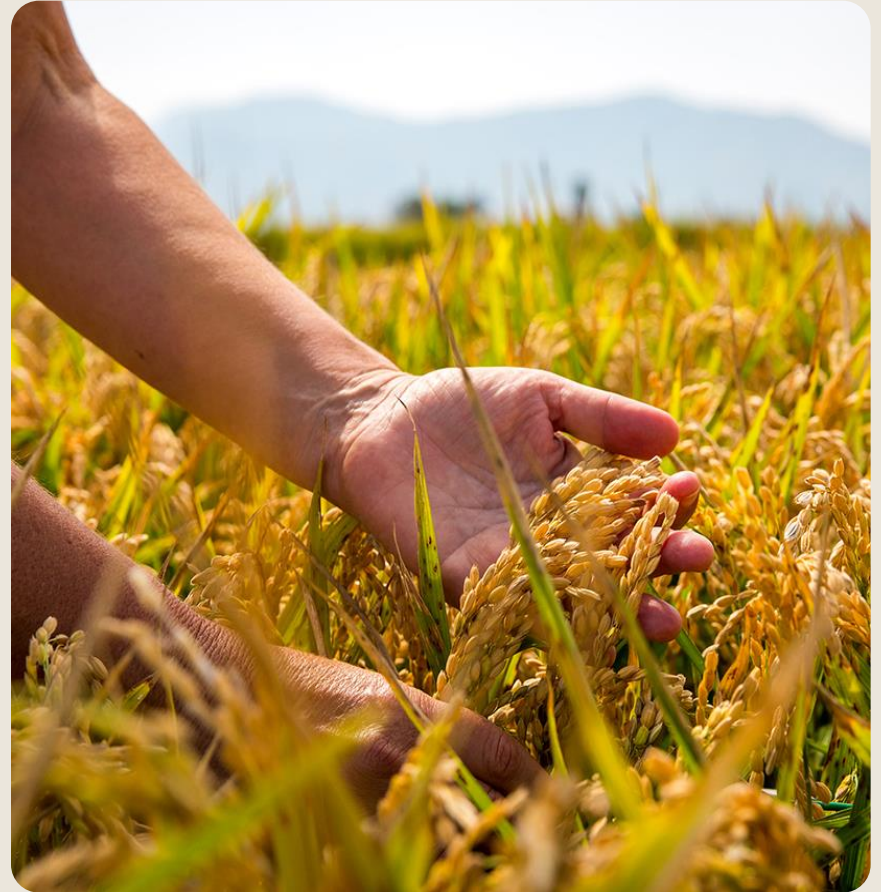
Funded in 1985, we are a non-profit **public research organization** affiliated with the *Department of Agriculture, Livestock, Fisheries and Food* of the **Catalan regional government** providing knowledge, answers and solutions to the Catalan **agri-food sector**, with which we work side by side. Members of the Catalan CERCA system of **centres of excellence**.



What is our purpose?

Today, the great global challenges give a renewed sense to our purpose.

We aim to help **transform**
food systems for a future of
sustainable wellbeing



How can we contribute to the transformation of food systems?



Climate change is a reality

- Adaptation to climate change, contribution to mitigation measures and securing the resilience and sustainability of the agri-food sector.

Food systems significantly affect the planetary boundaries

- Sustainable, fair, equitable and healthy food systems within planetary boundaries.

Globalisation affects food self-sufficiency

- Empowering next generation in the Catalan agrifood sector, improving its connection with the population and improving food self-sufficiency.

Health is a global issue

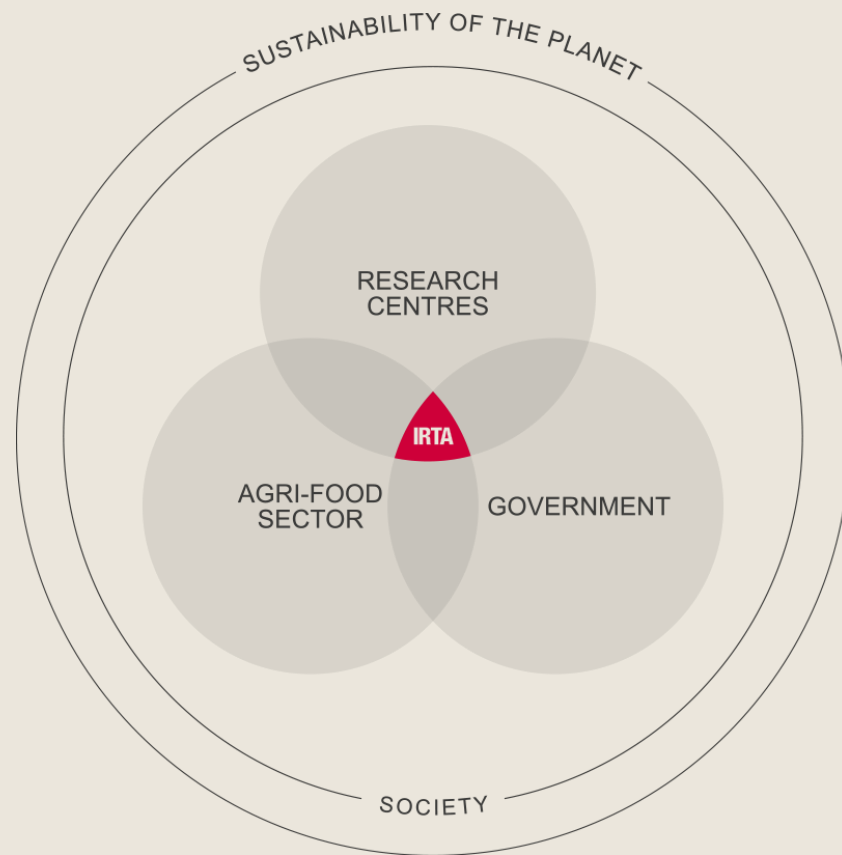
- Preparing, anticipating and offering a coordinated response to the health and food challenges of the 21st century which is intersectoral.

Digitalisation revolutionises the way we live

- Digitalization to boost the environmental, social and economic sustainability of the agri-food sector and to help make it more attractive to future generations.

How do we work?

- 1 We **research, innovate, advise and disseminate** our knowledge.
- 2 We work to supply **quality, safe food** for healthy eating that promotes the **well-being** of the population, and we **bring science closer** to the public.
- 3 We bring **scientific knowledge to public administrations** so that they can make decisions with rigour.
- 4 We do all of this **in partnership** with research centres, universities, public administrations and companies.



The importance of cross-cutting work

Animal area

- Challenges and demands of **modern animal husbandry** by:

Improving animal **welfare and health**

Ensuring food **security**

Reducing **environmental** impact

Plant area

- Strategies and technologies to ensure **sustainable, safe and high-quality crop production** focused on:

Efficiency

Biodiversity conservation

Adaptation to climate change

Pest and disease management

Food industries area

- Circular economy strategies for the food industry to **innovate in the processing and preservation** of food and ingredients. Focuses:

quality and safety

efficiency and sustainability of processes

considering consumer **perceptions** and behaviour.

Locations where we work

PONENT

- 1 IRTA Fruitcentre Centre**
Lleida
- 2 IRTA Agronomists Centre**
Lleida
- 3 IRTA Mollerussa Experimental Farm**
Mollerussa
- 4 IRTA les Borges Blanques Experimental Farm**
Les Borges Blanques
- 5 IRTA Gimènells Experimental Farm**
Gimènells
- 6 IRTA Alcarràs Experimental Farm**
Alcarràs

TERRES DE L'EBRE

- 7 IRTA Amposta Centre**
Amposta
- 8 IRTA la Ràpita Centre**
La Ràpita
- 9 IRTA Gandesa Experimental Farm**
Gandesa

ALT PIRINEU I ARAN

- 10 IRTA Pyrenees Centre**
La Seu d'Urgell

COMARQUES GIRONINES

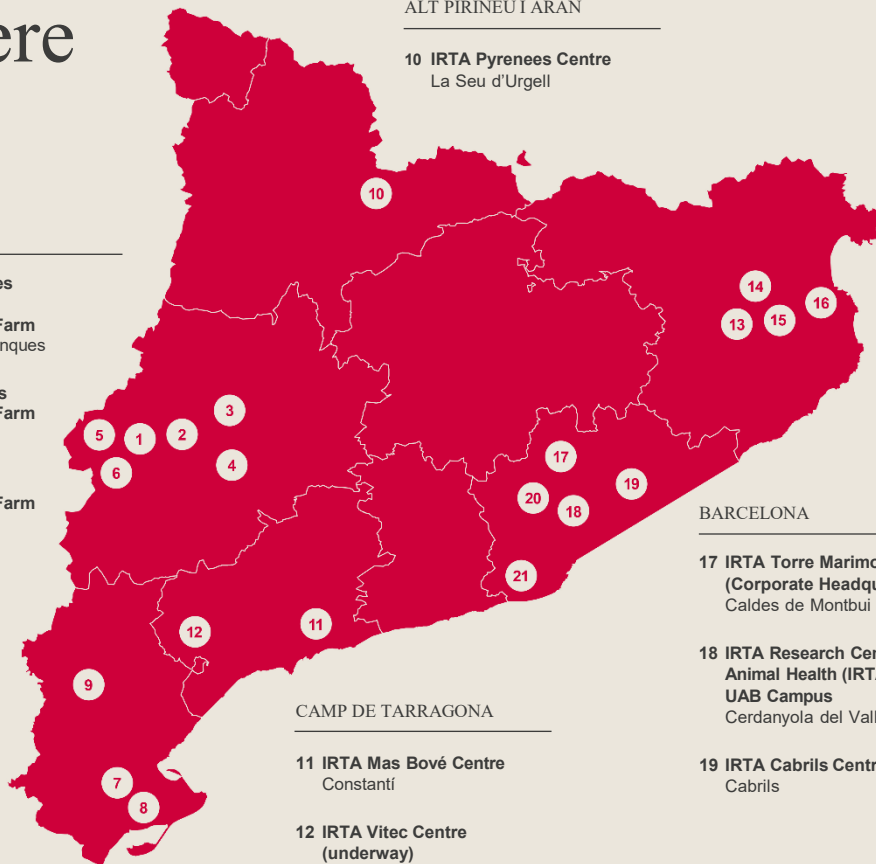
- 13 IRTA Monells Centre**
Monells
- 14 Pork Experimental Farms**
Monells
- 15 Experimental Dairy Farm (EVAM)**
Monells
- 16 IRTA Mas Badia Centre**
La Tallada d'Empordà

BARCELONA

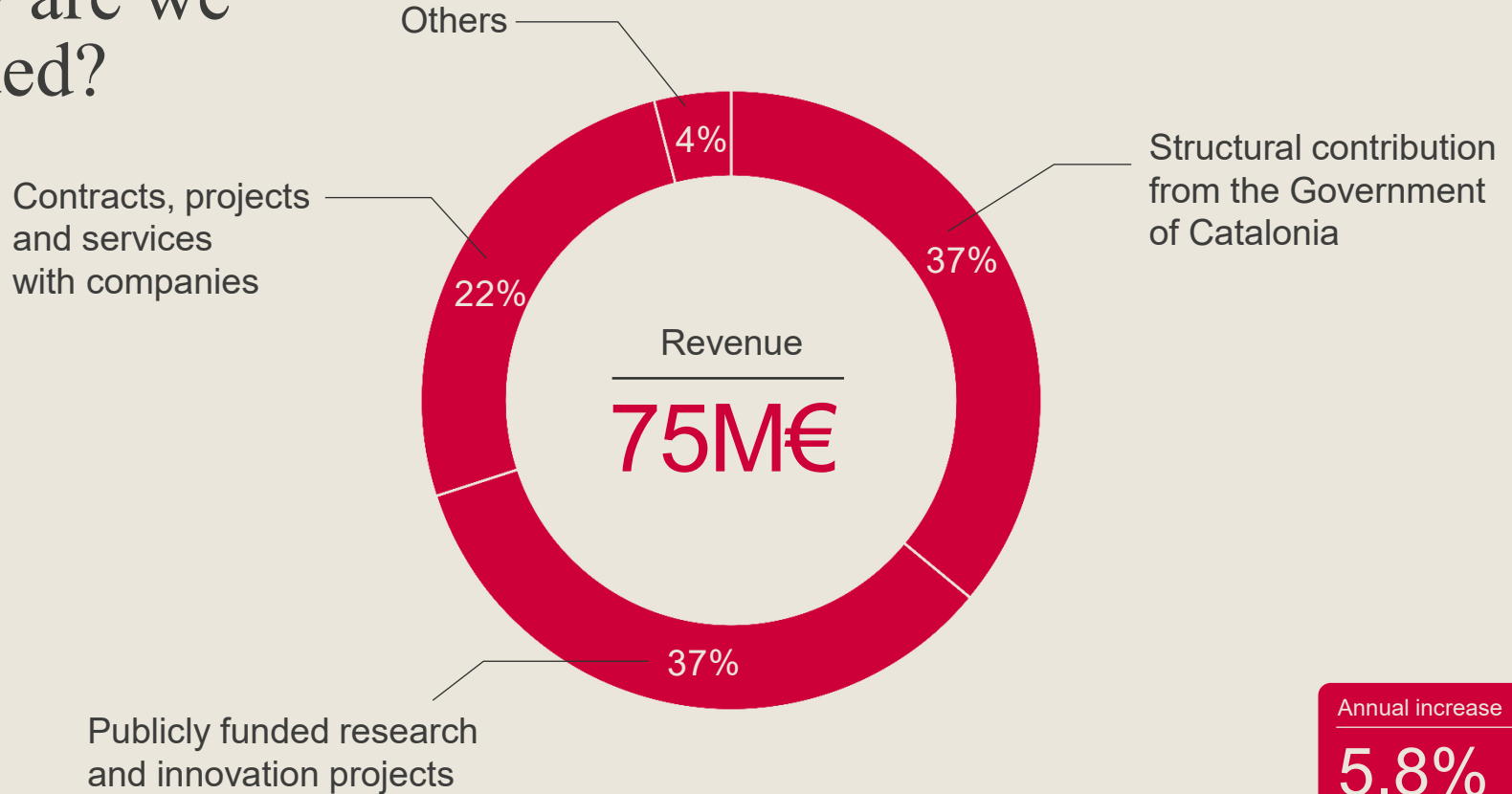
- 17 IRTA Torre Marimon (Corporate Headquarters)**
Caldes de Montbui
- 18 IRTA Research Centre for Animal Health (IRTA-CReSA)**
UAB Campus
Cerdanyola del Vallès
- 19 IRTA Cabriels Centre**
Cabriels
- 20 Centre for Research in Agricultural Genomics (CRAG), Consortium Centre, UAB Campus**
Cerdanyola del Vallès
- 21 Research Centre for Agrofood Economics and Development (CREDA), Consortium Centre, UPC Campus**
Castelldefels

CAMP DE TARRAGONA

- 11 IRTA Mas Bové Centre**
Constantí
- 12 IRTA Vitec Centre (underway)**
Falset



How are we funded?



Priorities for the coming decade



Talent

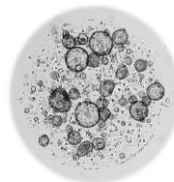
Attract and retain the best professionals through our purpose and excellent, focused research.



Infrastructure

Invest resources to **maintain and renew** our infrastructure.

Launch strategic infrastructure for food, health and well-being.



Cutting-edge research

Open **new lines** of research that will be necessary in the not-too-distant future.

For example, the **organoid bank** or **gene editing**.



Greater presence in the Catalan territory

Strengthen our presence on the territory to be **closer to the sector** and to continue offering **support to the authorities**.



Greater and more widespread impact

Enhance and diversify the impact of our activity:

By **exporting Catalan agri-food knowledge and technologies**.

And by **offering advice, support and mentoring** for entrepreneurship.

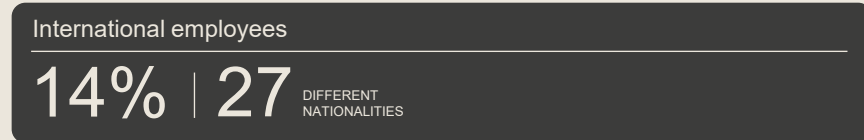
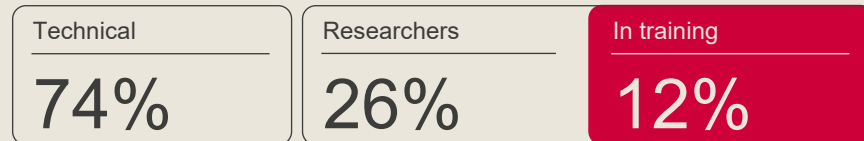
IRTA's team



Professionals



Professional Profiles



Research incentives



IRTA Attracts Programme

A programme to attract young talent, offering incentives for the recruitment of **PhD candidates** and **postdoctoral researchers** for recently recruitment researchers.

IRTA Consolida Programme

A 5-year programme that supports the recruitment and **career development** of *strategic postdoctoral fellows* to boost priority research areas.

IRTA Mobility Programme

A programme to foster career development and knowledge acquisition by promoting **research stays** for established (R3 & R4) or early-career researchers (R1) at other research institutions.

Variety improvement programme - FruitFutur

Apples: Tutti and Stellar

They retain their color, texture and aroma despite being grown in **high temperature** climates.



Welfair certificate



- Operates since october 2019
- >300 people trained
- >70 qualified auditors
- 13 certifying entities
- 9.000 certifying farms and slaughterhouses
- 6 species



Sustainable Agricultural Production (PAS)

- It promotes **sustainable agricultural practices** and highlights the work of agricultural and livestock farms that face new challenges in terms of sustainability.
- This production model **evaluates, classifies and recognizes** farms according to their level of sustainability in three areas: environmental, social and economic.
- The PAS offers an innovative digital tool, the **Sustainability Calculator**, which generates the Sustainability Report.



Would you like to learn more about **IRTA**?

Join us at our booth!

SPOT 30
Sponsor square



**SCAN TO REGISTER TO OUR
JOB PLATFORM**

Stay connected to explore career opportunities at IRTA



We aim to help transform
food systems for a future
of sustainable well-being.

Will you join us?
Thank you!

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