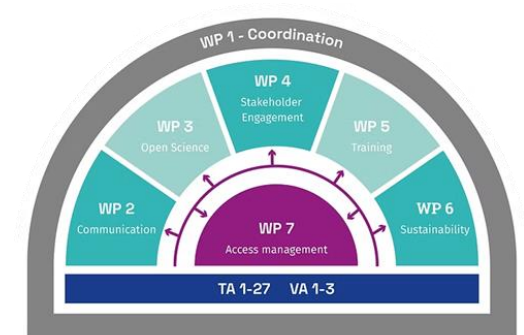




AQUASERV- *Research Infrastructure services for sustainable aquaculture, fisheries and the blue economy (60 months, 1 April 2024)*

Jaume Pérez-Sánchez
Instituto de Acuicultura Torre de la Sal, IATS-CSIC





AQUASERV- *Research Infrastructure services for sustainable aquaculture, fisheries and the blue economy*

Coordinator: Adelino Canario, CCMAR (Portugal)

30 Scientific partners - 16 countries

Spain: CSIC, ULPGC, UVIGO, UPV/EHU-PiE

Budget: 14.1M€ (12% Spain – 4% CSIC)



AQUASERV



AQUASERV offers more than 600 services in 60 research infrastructures



Transnational Access (TA)

- Access in the fields of sustainable aquaculture, fisheries, ecological restoration and the blue economy

• Virtual Access (VA)

- Access to extensive databases, software and other web services through a virtual access programme





The International Council for the Exploration of the Sea (**ICES**)



European Marine Biological Resource Centre (**EMBRC**)



Analysis and Experimentation on Ecosystems (**AnaEE-ERIC**)

AQUASERV- brings together six European research infrastructures



ESFRI preparatory phase



Currently runs in its 3rd edition with 260 projects carried out by ~500 users.



AQUAEXCEL Network



AQUASERV 2024-2029



2011-2015



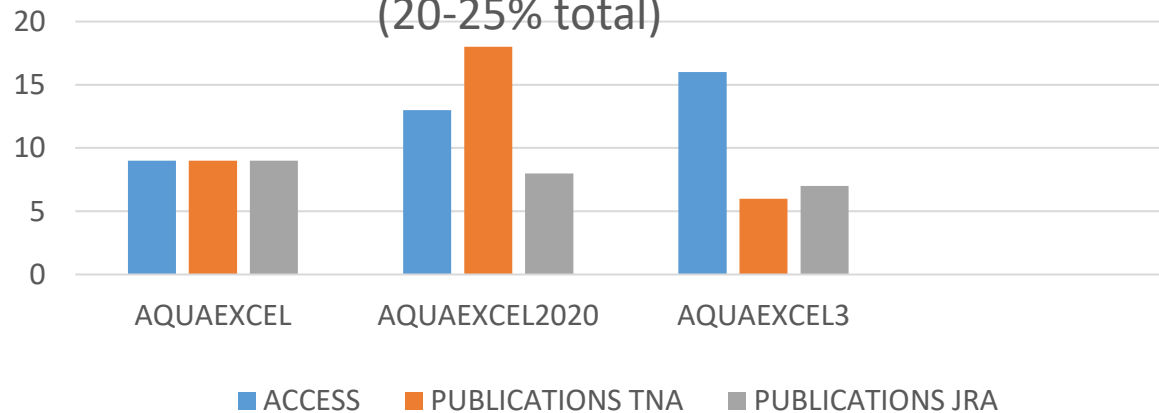
2015-2020



2020-2025



SCIENTIFIC OUTCOMES IATS-CSIC
(20-25% total)



Brokerage events: 5 key selected outputs
EAS- Student Spotlight awards: 3
Patents: 2

The ESFRI environment ‘Health and Food’– 16 (12 landmark)

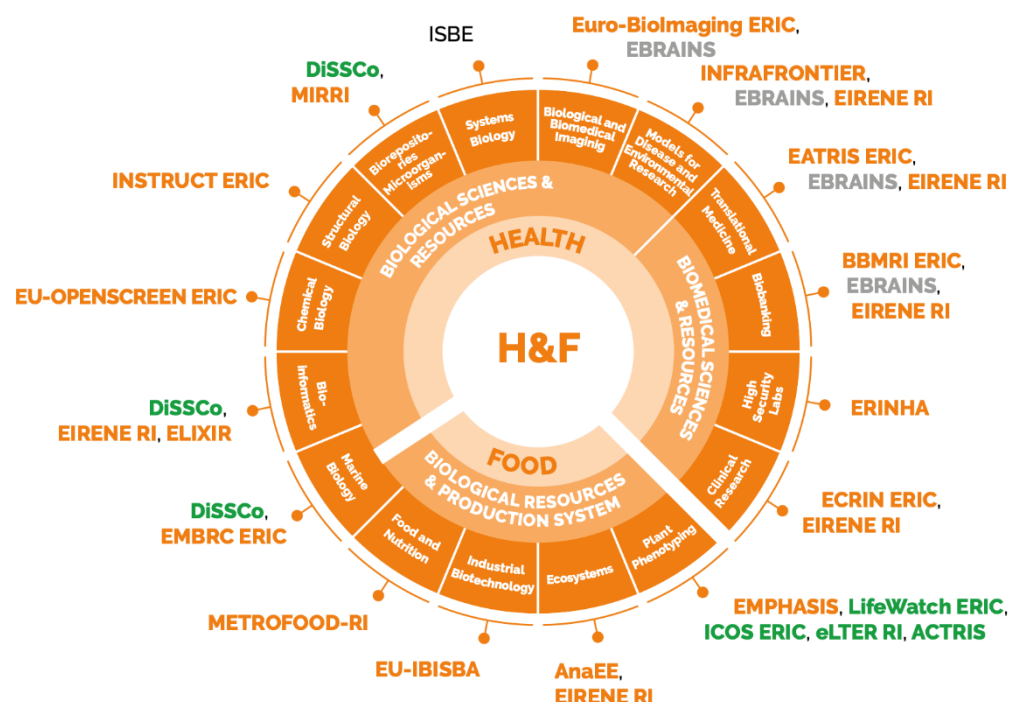


FIGURE 1.
The Landscape of the Health & Food domain



Strategy Report on Research Infrastructures RoadMap 2021

- Concerted efforts in the field of animal genetic resources, phenotyping and breeding, and animal health are needed to contribute to address the challenge to produce safe, healthy and sustainable food

The 2024 ESFRI Landscape analysis identified critical shortcomings related to **phenotyping and biotechnological development** in animal farming systems (ie. livestock and fish) whose prioritization has not yet been included within the ESFRI portfolio.

GenoPHEnix – 2026 ESFRI Roadmap

A distributed research infrastructure of animal production to deliver a consolidated vision for farmed animal science



Adobe Stock | #211317400



POLITICAL SUPPORT

Lead

FR

Members

CZ, DE, DK, EMBL, FI, GR, NL, NW, UK

Observer

ES (CSIC leads the Spanish node, CSIC + IRTA)

CSIC SITES

IATS-CSIC: Analytical – Experimental – Data management

ICTS: IEO-ICAR-TUNA



Pheno-Live



GenoPHEnix

Project time line: 2023-2025
Outgrowth of Functional
annotation of animal genomes



INFRAAI Projects for sustainable
livestock and aquaculture
production

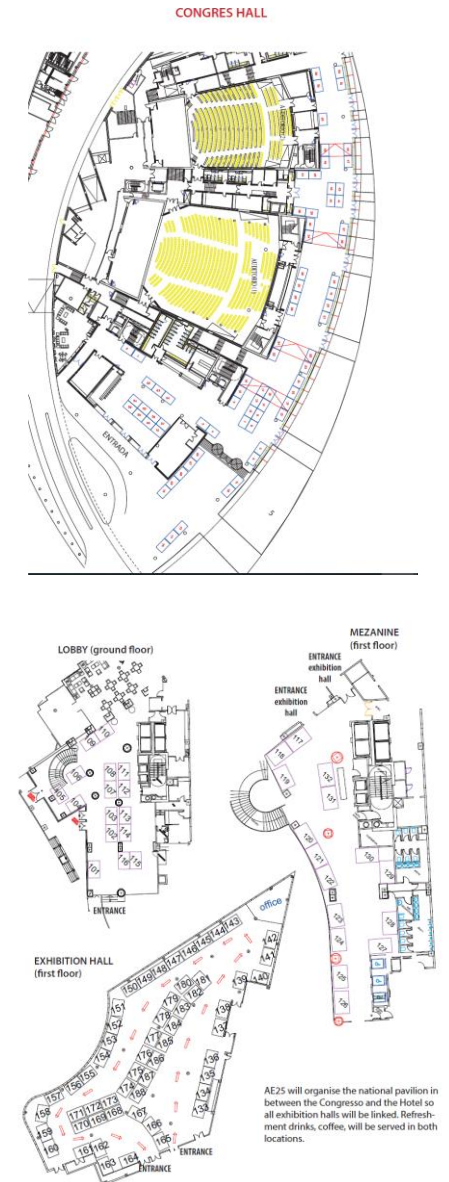


New research paradigm in
farmed animals

European
infrastructure for
multi-species animal
science in G2P
research (genome to
phenotype prediction)

AE2025 en números (Academia + Industria)

- Congresistas: > 2.500
- Comunicaciones: > 725
- Sesiones paralelas: 36
- Salas: 13
 - 3 Auditorios (300- 500-1500)
 - 10 salas (100-300)
- Nacionalidades: > 50
 - España > Noruega > Italia > Portugal > Francia > Alemania > UK > Corea ...
- Stands Empresas: > 170



This study forms part of the ThinkInAzul programme and was supported by MCIN with funding from European Union NextGenerationEU (PRTR-C17.I1) and by Generalitat Valenciana



AE205: Aquaculture for every one – *Invest in your planet*



Carlos Duarte
Regenerative Aquaculture



Elisabetta Giuffra
Functional genome annotation



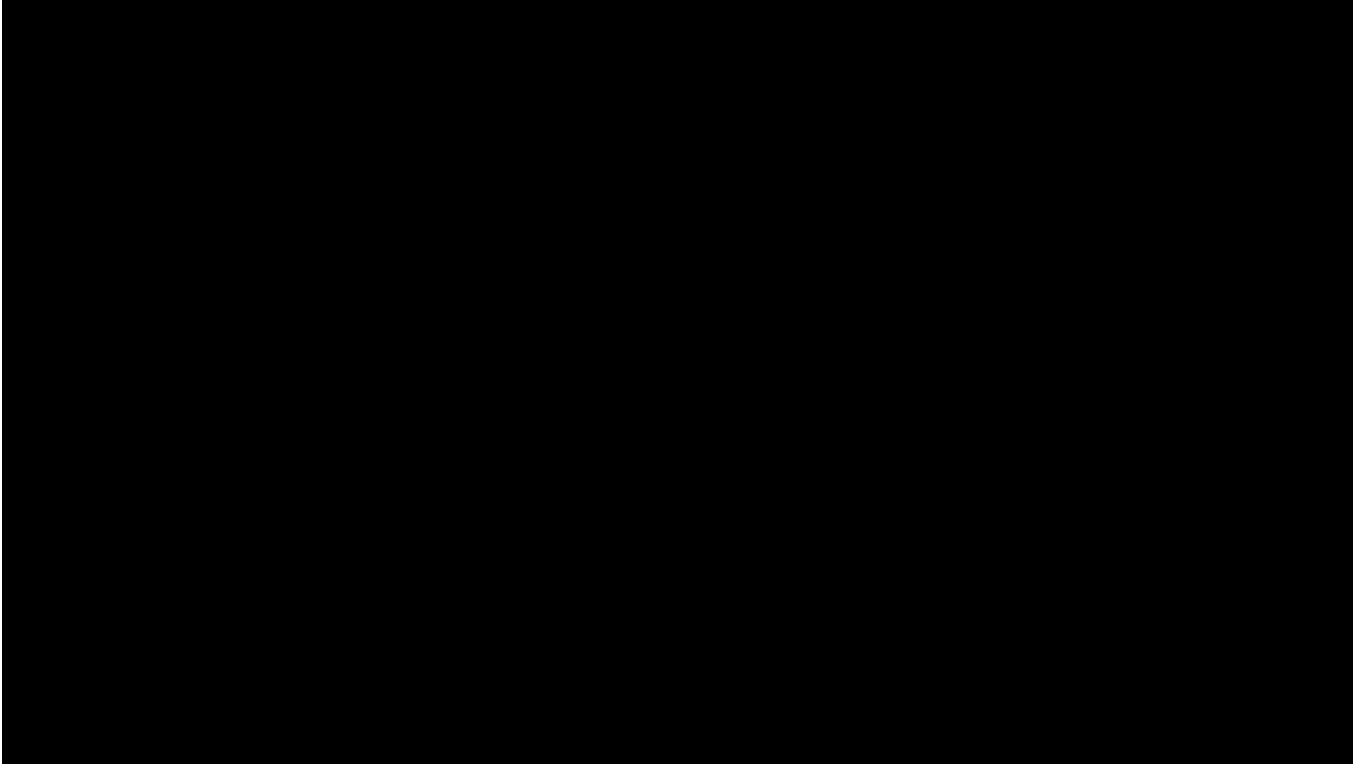
Joan Riera
Seafood consumption



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AE2025 – President Dinner, Ciudad de las Artes y las Ciencias



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Recomendaciones globales

- Identificar los gaps de investigación
- Promover nuevas soluciones de investigación que hagan necesarias la creación de nuevas RIs o adaptación de las ya existentes
- Potenciar las sinergias con otras Ris, preservando un carácter singular e innovador
- Promover acciones sinérgicas a para dar respuesta a Objetivos de Excelencia Científica
- Coordinación con Oficinas de Grandes Infraestructuras (Ogi, CSIC)-reformulación de propuestas, apovos Ministerio.



MOLTES GRACIES!!!!



Research Infrastructures for Excellent Science in Animal Production

Jaume Pérez Sánchez
Instituto de Acuicultura Torre de
la Sal, IATS-CSIC