

NATIONAL INFORMATION DAY ON HORIZON EUROPE *LIFE SCIENCES*

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Funded by the
European Union

Horizon Europe Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

HORIZON-CL6-2022-FARM2FORK-01-06: Biosecurity, hygiene, disease prevention and animal welfare in aquaculture (EUR 12.0 million)

[Call Expected Outcome]

Project results are expected to contribute to all following expected outcomes:

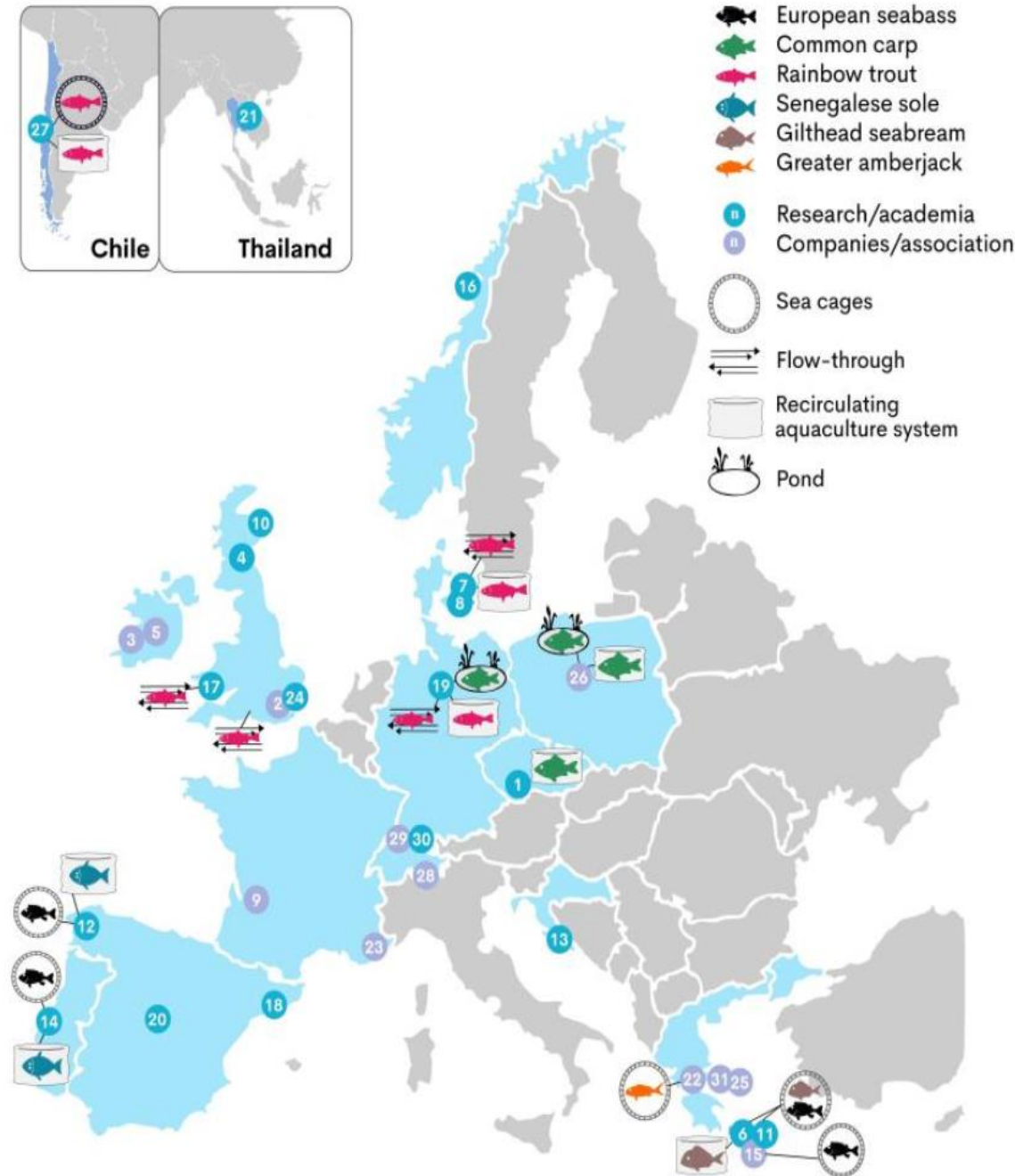
- Advancement of knowledge about how **farmed fish react to farming conditions** and their effects on their **welfare and growth**.
- Development of **innovative and less invasive** disease **prevention, monitoring, control and treatment** approaches for a more sustainable production.
- **Healthier seafood** production through **improvement in farming practices** and thus contribute to **increase its competitiveness**.
- Improve the **professional skills** and competences of those working and being trained to work within the blue economy.

The **overall goal** of Cure4Aqua is to contribute to the transformation of the European aquaculture industry, improving (aquatic) animal **health and welfare** and supporting the environmentally friendly, inclusive, safe and healthy production of seafood.

13 proposals submitted, 10 above the threshold, 14 points

GA signed on in October (09.11.2022), project start **01.11.2022.-30.04.2027.**

31 participants



Cure4Aqua Approach

Challenges

- **Knowledge Gaps** in fish health and welfare
- **Tackling** relevant and emerging **pathogens**

Species

- Seabass
- Seabream
- Carp
- Trout
- Sole

Partners

EU: Czech, Ireland, Greece, Denmark, France, Spain, Croatia, Portugal, Germany, and Poland

Others: UK, Norway, Switzerland, Thailand, and Chile

Preventing

New approaches to preventing diseases

- Epigenetics
- Vaccines

Control

Alternative treatments to fish pathogens

- Non-pharmacological solutions
- Microbiome Conditioning
- Antimicrobial feed additive
- Passive Immunisation

Detecting

Develop new tools and technology for fish farming & diagnostics

- Improve monitoring systems
- Improve diagnostic tools for farms and labs
- Environmental sensors
- Building algorithms & machine learning (AI)

Welfare

Placing fish welfare at the foreground of aquaculture production

- Delphi Assessment
- Welfare Indicators for fish & farmers
- Welfare certification scheme
- Quality of Life scaling system
- Biosecurity and hygiene on farms

Co-Creation

Using expert inputs to develop locally embedded solutions

- 5 Process Groups (external experts)
- Moderator Group
- Professional Development Scheme
- Burden of Disease Economic model

Transfer

Ensuring long-term impact and building sustainability into Cure4Aqua

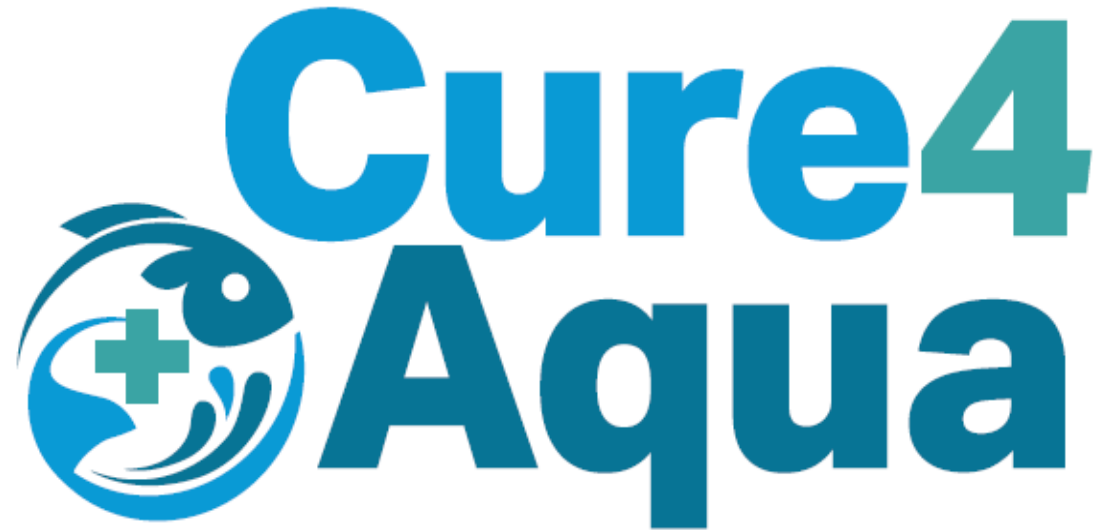
- Training
- Knowledge Transfer and exploitation
- Communication, dissemination and outreach

Thank you

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 @Cure4Aqua_EU



Curing EU aquaculture
by co-creating health
and welfare innovations

