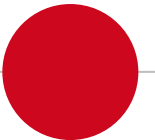


International Networking - The experience of the II.ZZ.SS

Giorgia Angeloni

Workshop for WHOA National Focal Points for Aquatic Animals in Europe

18-20 October 2023



● Networking and International cooperation

Networking is pivotal in international cooperation projects by establishing connections among diverse organizations, experts, and stakeholders. International networking fosters collaborative efforts, promotes knowledge exchange, and maximizes resource utilization on a global scale. Consequently, it significantly enhances projects effectiveness and expands its overall impact, ensuring diverse perspectives and expertise come together to address complex challenges.



● Practical Examples of International Networking

- Global Conferences: Forums for global collaboration
- Online Platforms: Digital tools for cross-border communication.
- NGO Partnerships: Leveraging NGO networks and expertise.
- Academic Collaborations: International research projects.
- Funding Networks: Grants promoting collaboration.
- Business Associations: Facilitating cross-border trade.
- Diplomatic Relations: Engaging governments for project support.

● II.ZZ.SS Survey

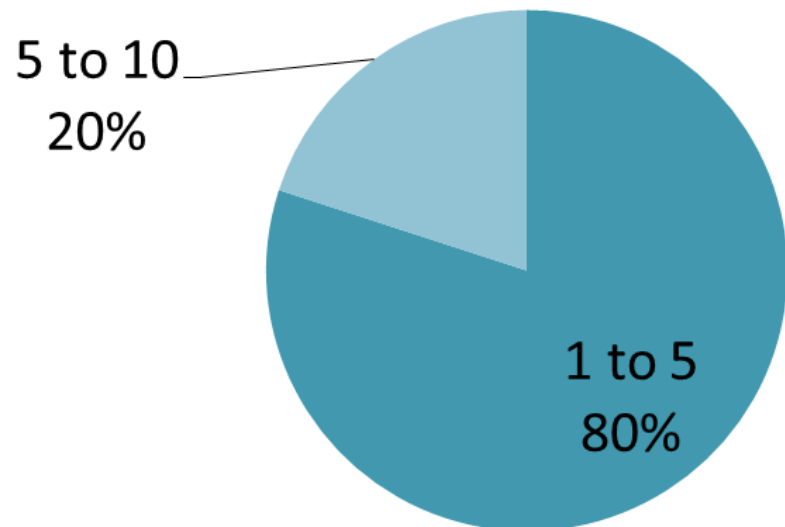
Aim: evaluate IZZSS international networking activities in the context of international cooperation projects related to aquaculture



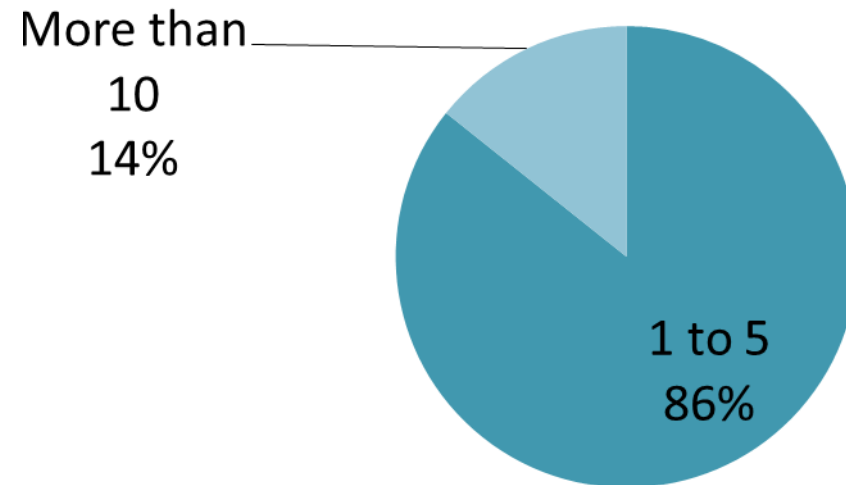
● II.ZZ.SS Survey

- ✓ All the Institutes was involved in aquaculture projects in last 5 years and 7 of the have ongoing projects;
- ✓ 60% involve international collaboration;
- ✓ Staff: average 8,5 persons

Number of projects in last 5 years



Number of ongoing projects





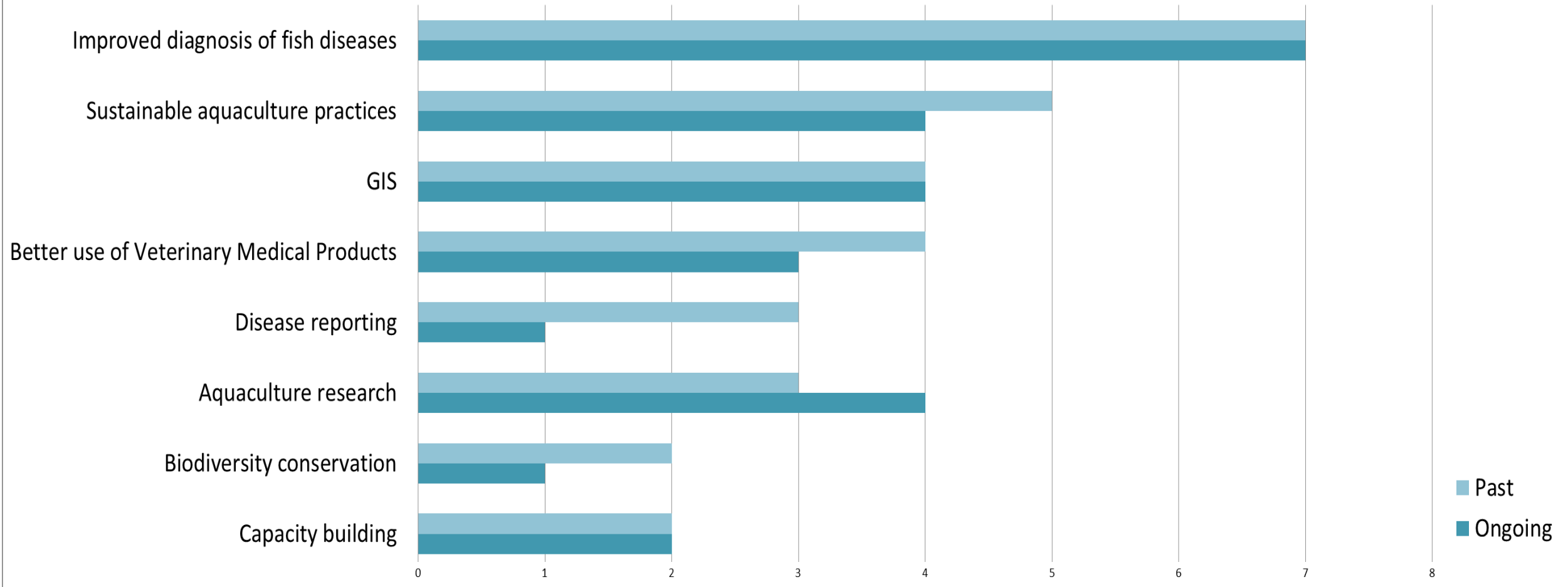
II.ZZ.SS Survey





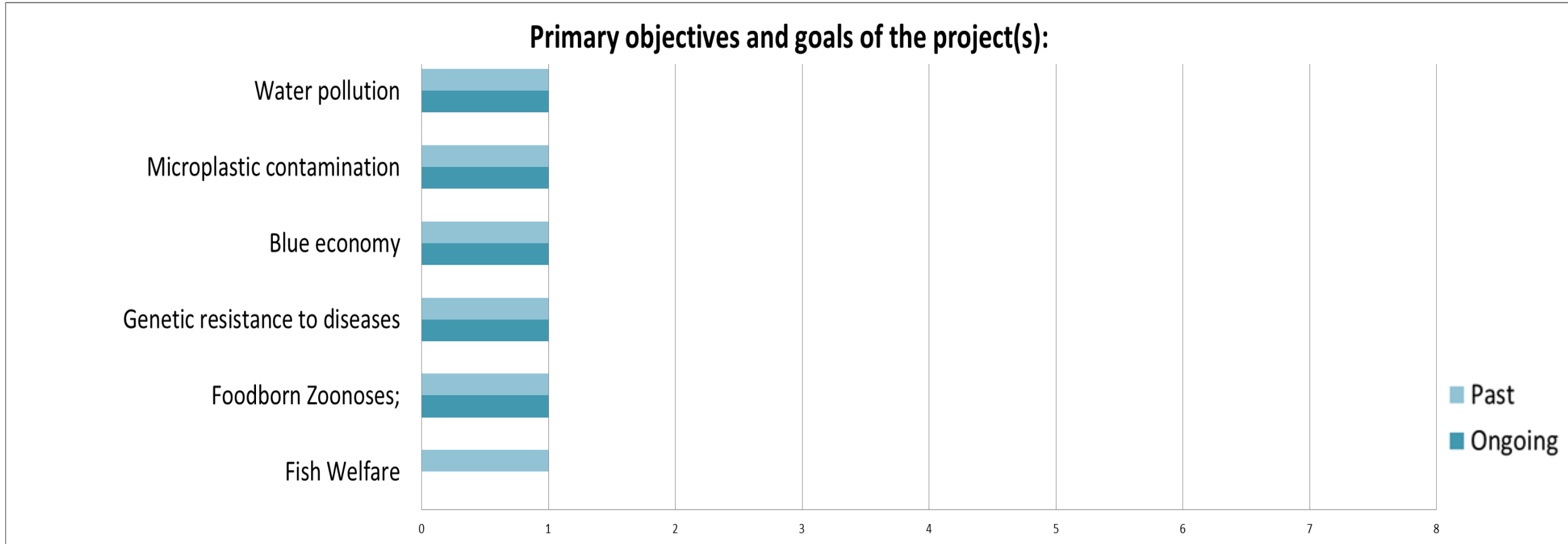
II.ZZ.SS Survey

Primary objectives and goals of the project(s):





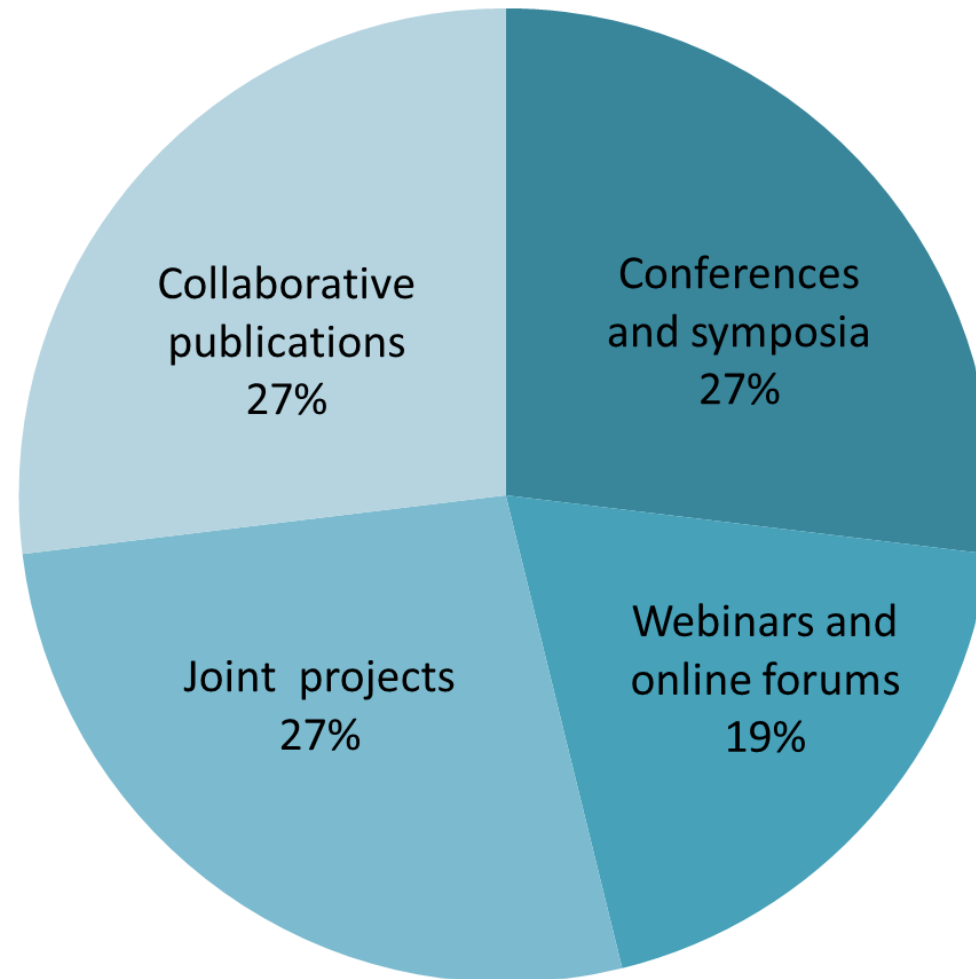
II.ZZ.SS Survey



N° of answers/institutes

● II.ZZ.SS Survey

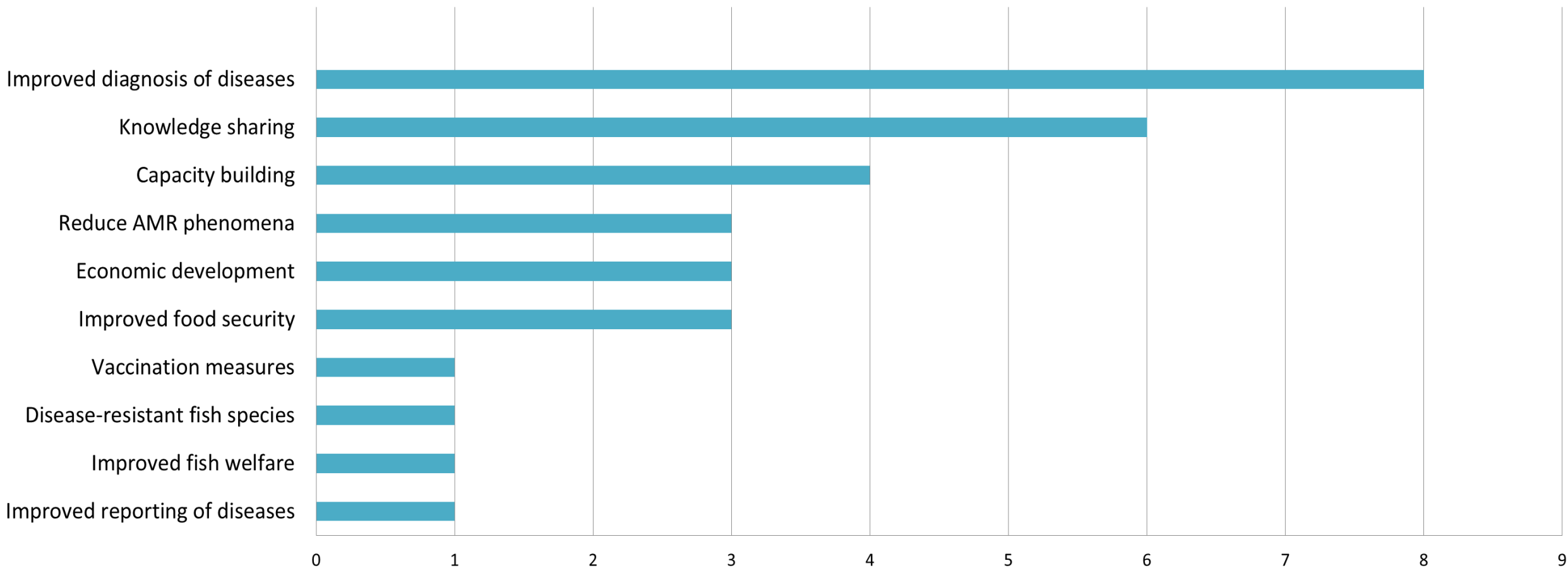
Types of networking activities



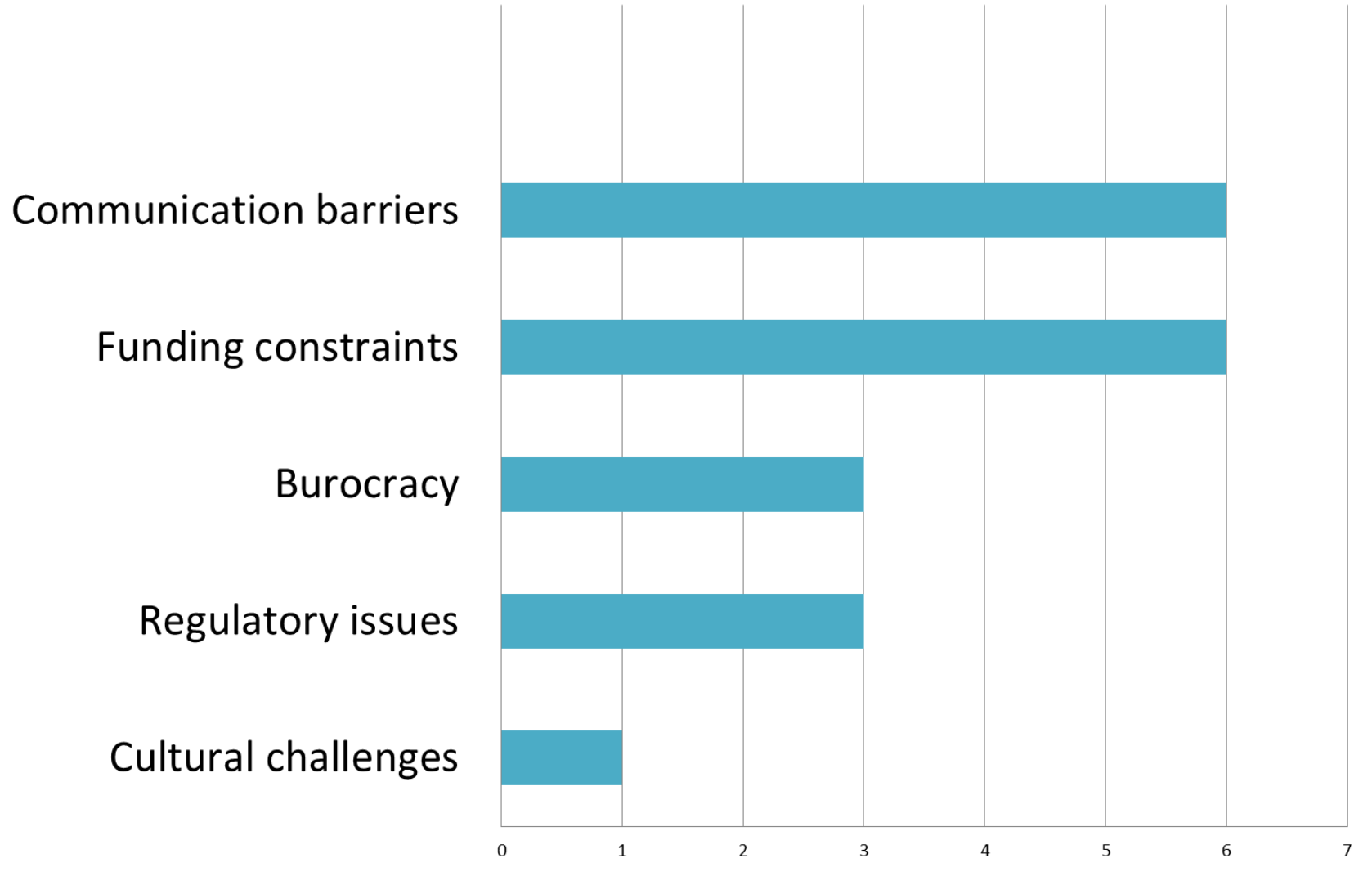


IIZZSS Survey

What positive impacts or outcomes do you anticipate from your aquaculture project, both locally and internationally?

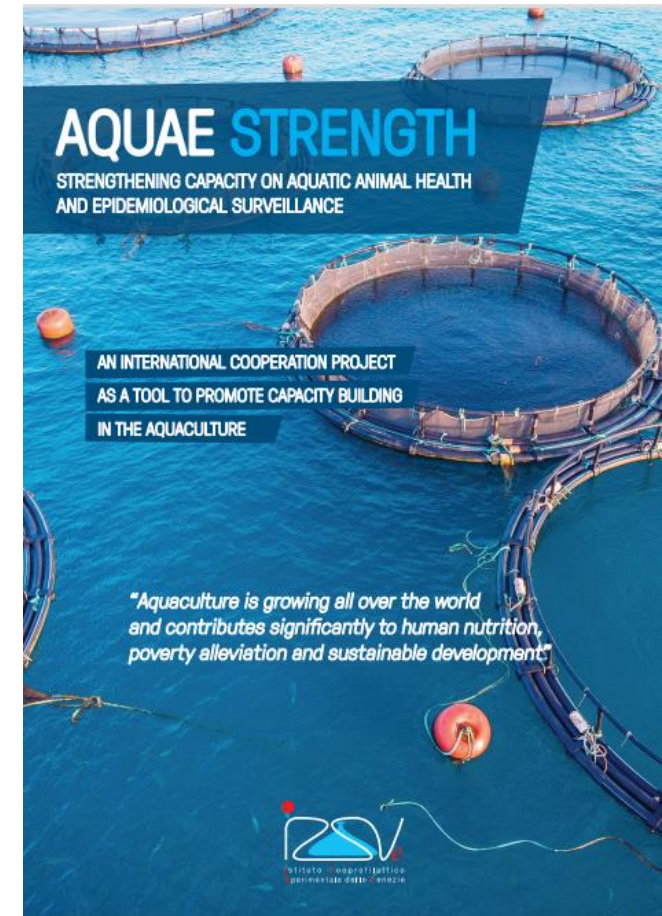


Main challenges or obstacles



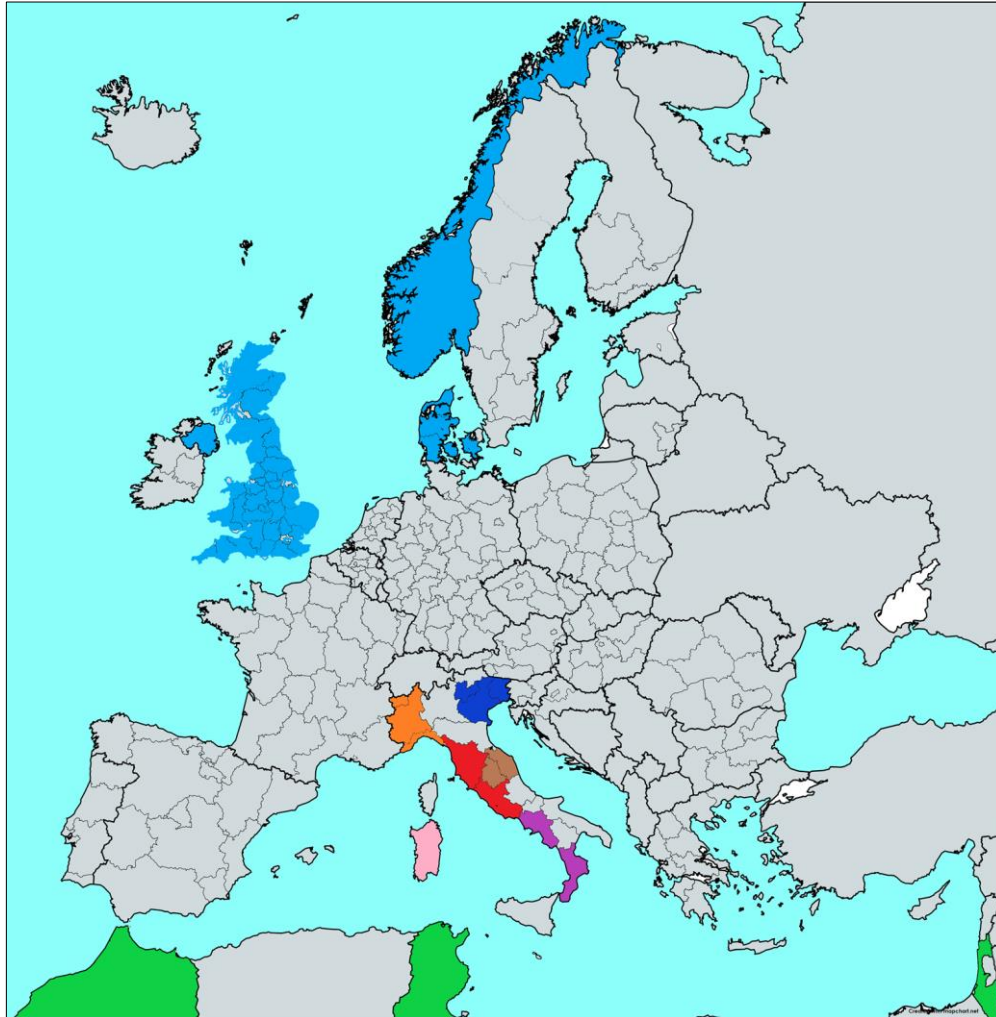
● Aquae Strength Project

“*Strengthening capacity on aquatic animal health and epidemiological surveillance*”: An international cooperation project as a model for networking among countries and stakeholders. The project is financed by the Italian Ministry of Health and supported by the World Organisation for Animal Health (WOAH). Feb 2022- Feb 2025



● Aquae Strength Project - Consortium

The project encompasses several institutions spanning a wide range of countries, therefore represent an efficient model of international networking activity



7 IIZZSS
3 Advisors Institutes
4 Beneficiaries
Insititutes

● Aquae Strength Project - General objectives

- To promote capacity building and sharing of professional know-how;
- To strengthen and facilitate the management of aquaculture production;
- To implement an advanced use of GIS techniques;
- To enhance epidemiological surveillance and disease response;
- To limit the use of antimicrobials and Veterinary Medical Products in fish production;
- To improve diagnostic methods to support disease detection and control for aquatic animal diseases

OIE Aquatic Animal
Health Strategy
2021-2025



oie WORLD ORGANIZATION FOR ANIMAL HEALTH
Priority animals, priority our health

● Aquae Strength Project - Organisation



WP1 - Geographic Information System (GIS) in surveillance and diseases response for aquatic animal disease



WP2 - Prudent use of Veterinary Medicinal Products (VMPs)



WP3 - Diagnostic methods

● Aquae Strength Project - Organisation



WPO: Act as the cornerstone for partnership success, steering collaborative initiatives and cultivating solid networks. This work package encompasses the logistics of diverse meetings and events, facilitating seamless cooperation and empowering stakeholders to share knowledge and best practices, promoting project excellence.

● Aquae Strength Project - Activities

AQUAE STRENGTH is founded on collaborative efforts among our dedicated partners. We have organized numerous meetings, field visits, and webinars, each facilitated by efficient networking activities, aimed at maximizing the participation of partners and stakeholders. These events are strategically aligned with our project objectives and play a crucial role in engaging our partners and stakeholders.

● Aquae Strength Project - Activities



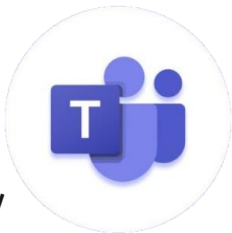
Webinars - Theoretical Trainings – 6 webinars - 18 hours



Assesments and Practical Training Activities at Consortium Institution and Laboratory, one for each beneficiary country



Bilateral Meetings to planning and understanding the beneficiary needs.
Technical Meetings to define activities and trainings



Teams Channel - Document management/sharing
>70 users

● Aquae Strength Project - Activities

Field Visit to beneficiary countries – March to Oct 2023

Cambodia



Morocco



Israel



Tunisia



● Aquae Strength Project - Activities

Face to face training - From Nov 2023 to June 2024



- ✓ For the beneficiaries will be conducted at the consortium's institutes.
- ✓ The training programs are customized to meet the specific needs for the beneficiaries and ensure a tailored and comprehensive training program.
- ✓ In the current map, the regions where the IZZSS consortium institutes are located, which will host the beneficiaries for training, are highlighted.

● Aquae Strength Project - Activities

On the job training and final assessments – June 2024 to Feb 2025



● Aquae Strength Project - Connections

Main goal: Share the vision of addressing health management in aquaculture systems, emphasizing the **significance of management, environmental factors, infrastructure, livestock, farmers, feeding practices, biosecurity, and overall health.**



● Aquae Strength Project - Connections

Topics: finfish farming in the **Mediterranean, Middle East basin**, including Europe, Africa, and Asia. It is designed for professional figures who wish to enhance their skills and expertise.

The course consists of two parts, 4 weeks (80 hours). It combines **theory, hands-on practice in labs, necropsy rooms, and farm visits.**



Teachers: from many countries, IZSVe + Unipd

● Aquae Strength Project - Connections

Where: Online and face to face (Padova), June 2024

Certificate: Professional Certificate in Animal Health - Aquaculture, granted by the University of Montreal and globally recognized by WOAH. This postgraduate degree signifies international expertise in Aquaculture health and production.



● Aquae Strength Project - Connections



VETERINARY COURSES ON MAIN AQUATIC ANIMAL SPECIES FARMED IN THE MEDITERRANEAN, MIDDLE EAST AND GULF COUNTRIES

Funded and supported by WVEPAH and WOAH

Background

- In 2022, WVEPAH initiated Aquaculture branch development in response to WOAH's request.
- In August 2023, a "Memorandum of Understanding" was signed between WAVMA and WVEPAH.
- The Education Committee, representing WOAH, WAVMA, and IZSve, formulated the course program.
- The first session is scheduled for June 2024 in Padova (Italy), hosted by the University of Padova's Department of Comparative Biomedicine and Food Science (BCA).

Key message

Achieving sustainable performance in a farm system is contingent upon maintaining a carefully calibrated equilibrium among various contributing factors, ensuring long-term viability and success.

Main goal

Share the vision of addressing health management in aquaculture systems, emphasizing the significance of management, environmental factors, infrastructure, livestock, farmers, feeding practices, biosecurity, and overall health.

The course

The course will focus on finfish farming in the Mediterranean/Middle East basin, including Europe, Africa, and Asia. It is designed for professional figures who wish to enhance their skills and expertise. The course consists of two parts, totaling 4 weeks (80 hours). It combines theory, hands-on practice in labs, necropsy rooms, and farm visits.

First session-key disciplines: Fundamentals of operational health management in aquaculture farms and WOAH regulations.

This session covers anatomy, physiology, genetics, reproduction, diagnostics, vaccines, therapy, and diseases in freshwater salmonids. It also includes post-production topics like slaughtering's impact on fish quality, hygiene in fish shipment, cold chain, and quality checks.

Course format: 1-week online, 1-week in person.

Second session: Focused on mariculture fish species of the Mediterranean/Middle East area, such as seabass, sea bream, tilapia, and minor species like turbot, meagre, brown meagre, sole, barramundi. Topics covered include pathologies, diagnostics, therapy, and farm biosecurity.

Certification

Participants who complete Session I and II earn a Professional Certificate in Animal Health - Aquaculture, granted by the University of Montreal and globally recognized by WOAH. This postgraduate degree signifies international expertise in Aquaculture health and production.

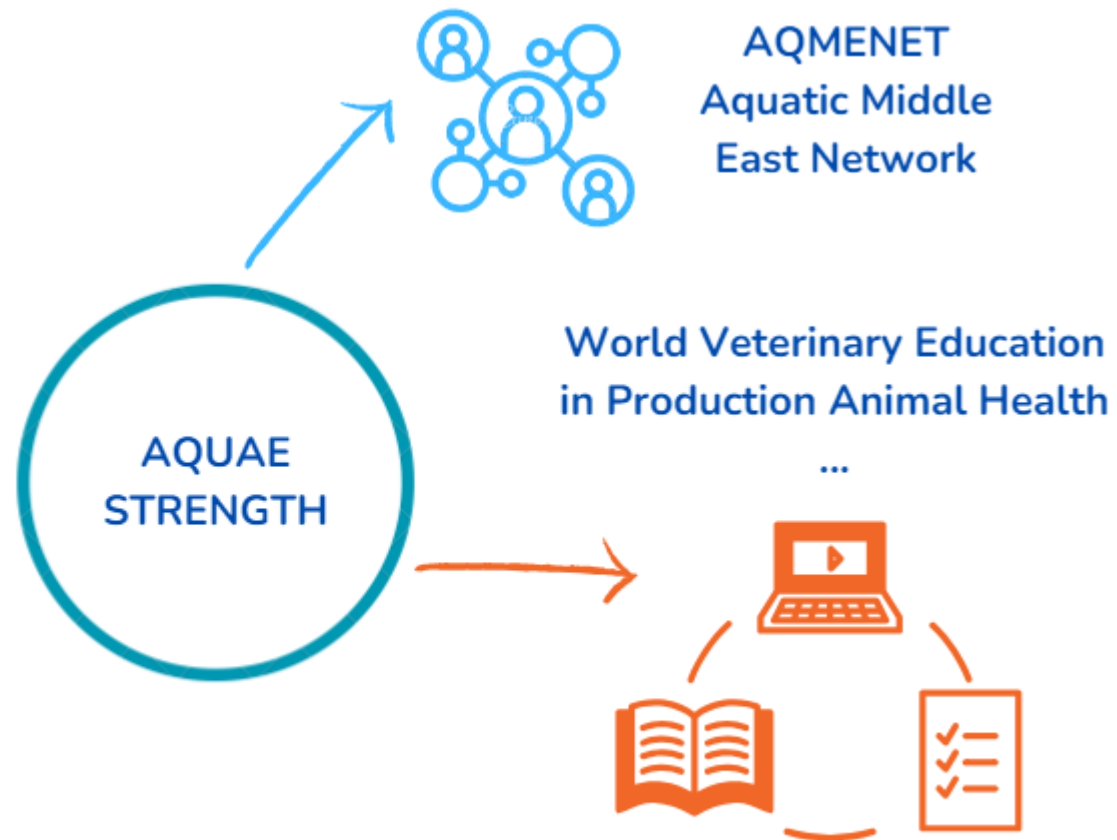
Contact: Dr. Giuseppe Arcangeli - giuseppe.arcangeli@izsvenezie.it
Phone: +39 041 8044201
www.izsvenezie.it



World Veterinary Education in Production Animal Health

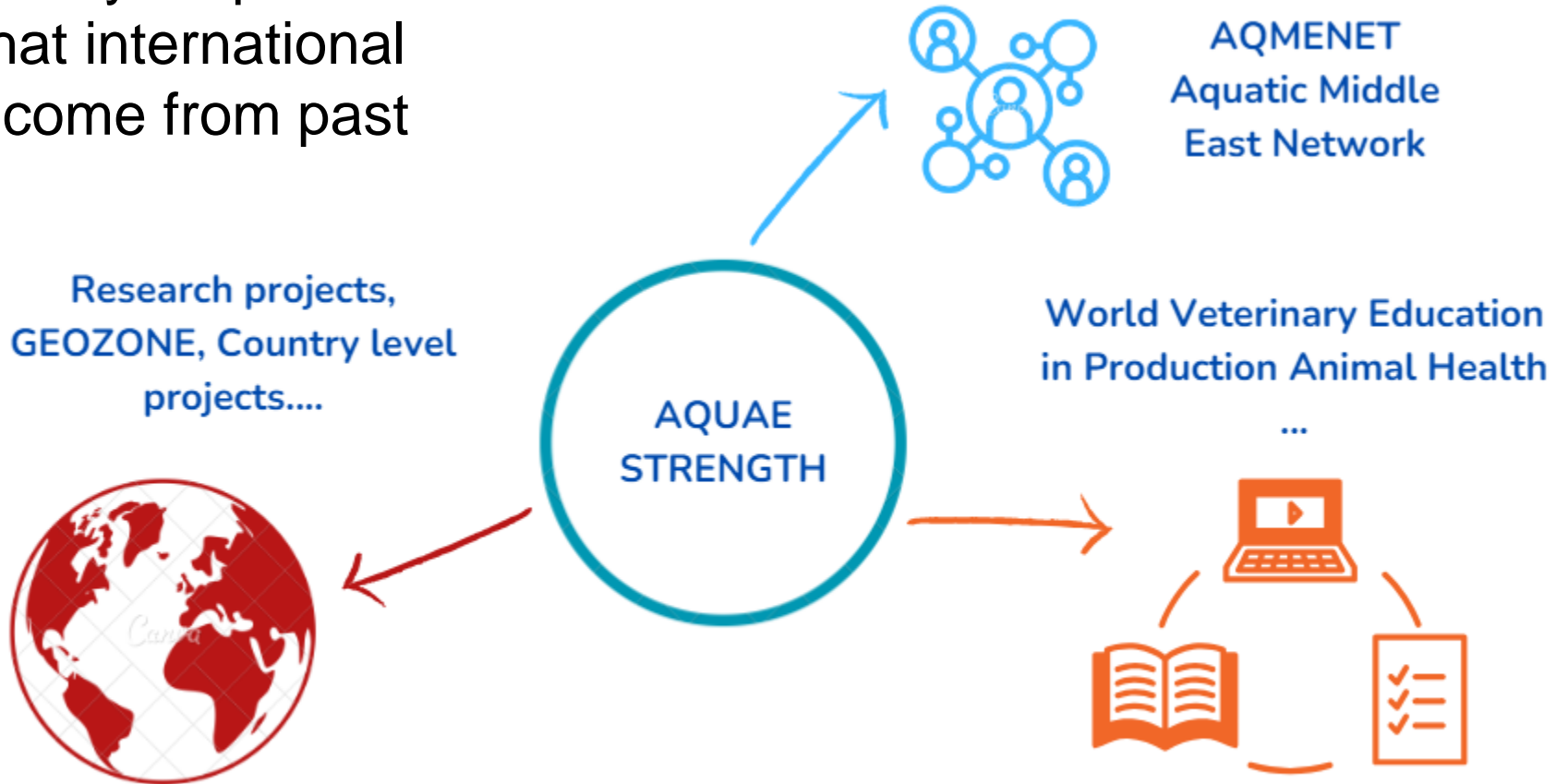


● Aquae Strength Project - Connections



● Aquae Strength Project - Connections

60% of survey respondents declare that international activities come from past projects



● Unlocking Aquaculture Excellence through Global Networking

- International networking opens doors to global aquaculture expertise
- Collaborations across borders bring diverse perspectives and solutions
- Access to international funding and resources for research and development
- Sharing knowledge accelerates the acquisition of new capabilities at IZZSS Institute
- Networking transcends boundaries, amplifying the institute's impact in the field

● Future plans and will/wish

- Use of alternative products to antibiotics
- Increase international collaborations
- To implement the capabilities of researchers working in the field of aquaculture and fish pathology.
- Developing of fish diagnosis tools and reports
- Contribute to the reduction of AMR phenomena
- Precision aquaculture
- Food fraud reduction
- Developing vaccine in aquaculture
- Carry out a unique laboratory for the certification Anisakis free in farmed fish

● Our Survey



THANK YOU FOR YOUR ATTENTION !

Vasco Menconi and Annie Ishebabi

