

WOAH Collaborative Centre Reports Activities 2025

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CENTRE INFORMATION

*Title of WOA Collaborating Centre	Antimicrobial Stewardship in Aquaculture (CASA)
*Address of WOA Collaborating Centre	Avenida Santa Rosa 1735, La Pintana, Santiago de Chile
*Tel:	229785580
*E-mail address:	casa-oie@uchile.cl
Website:	https://casa.uchile.cl/
*Name Director of Institute (Responsible Official):	Jose Manuel Yañez
*Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point):	Javiera Cornejo Kelly, CASA Director
*Name of the writer:	Alicia Gallardo

TOR 1 AND 2: SERVICES PROVIDED

1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by WOA

Category	Title of activity	Scope
Training, capacity building (true)	Cursos cortos y diploma	WOAH Americas webinar series: 1. Autogenous vaccines (2 July) 2. Alternatives to the use of antimicrobials (23 July) and 3. Genetic improvement for disease prevention (13 August). Total participants: 1,500. Diploma in good practices in the use of antimicrobials in salmon farming 6th edition: postgraduate training in antimicrobial use management for veterinarian specialising in aquaculture, with 18 participants from Chile, Argentina and Brazil.
Veterinary medicinal products (true)	Asesoría a Sernapesca	Asesoría a Sernapesca sobre Uso de antimicrobianos en la acuicultura ICARS
Food security (true)	Programa de Control de residuos	Realización de los análisis oficiales del Programa de control de residuos de Sernapesca en materia de antimicrobianos

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RAM (true)	Participación en Seminarios	WAAW noviembre 2025; Diseminación del informe de la comisión de estándares de animales acuáticos en las Américas. Abril-Noviembre 2025.
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TOR 3: HARMONISATION OF STANDARDS

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the main focus area for which you were designated

Proposal title	Scope/Content	Applicable Area
Proyecto REASONS	Mejora de acceso y regulación relacionada con productos veterinarios alternativos en la acuicultura en Brasil, Colombia y México.	Veterinary Products

3. In exercising your activities, have you identified any regulatory research needs* relevant for WOA?H?

Yes

Research need 1

Please type the Research need: Alternatives to antimicrobials: use of probiotics and functional diets as complementary tools to pharmacological treatments. These strategies seek to improve the overall health of aquatic animals and optimise the use of antimicrobials by reducing their need, promoting greater treatment efficacy. In addition, they facilitate the establishment of the Minimum Inhibitory Concentration (MIC) and Maximum Residue Limits (MRL) in aquatic species, which are fundamental aspects for the registration and regulation of new treatments. In addition, they facilitate the establishment of the Minimum Inhibitory Concentration (MIC) and Maximum Residue Limits (MRLs) in aquatic species, which are fundamental aspects for the registration and regulation of new antimicrobials.

Relevance for WOA?H Standard Setting, Animal Welfare,

Relevance for the Code or Manual Code,

Field Epidemiology and Surveillance,

Animal Category Aquatic,

Disease:

Kind of disease (Zoonosis, Transboundary diseases) : Uso de autovacunas y vacunas como estrategias preventivas: Las autovacunas, diseñadas específicamente para brotes de enfermedades en poblaciones animales específicas, junto con las vacunas comerciales, constituyen una estrategia clave para la prevención de enfermedades infecciosas en animales acuáticos. Estas medidas refuerzan la inmunidad y disminuyen la dependencia de los tratamientos farmacológicos, contribuyendo al manejo sanitario sostenible en la acuicultura,

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

Answer:

Notes:

Answer:

4. Did your Collaborating Centre maintain a network with other WOA?H Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

Name of WOA?H CC/RL/other	Region of
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organisation(s)	Location	networking Centre	Purpose
WOAH Aquatic Collaborating Centre Networks Meeting	mundial	América Asia y el Pacífico Europa Oriente Medio	Coordinar acciones de investigación y acceso a proyectos

TOR 4 AND 5: NETWORKING AND COLLABORATION

5. Did your Collaborating Centre maintain a network with other WOAHA Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

Yes

Name of WOAHA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
WOAH Aquatic Collaborating Centre Networks Meeting	mundial	Americas Asia and Pacific Europe Middle East	Armonización de estándares, diagnóstico y desarrollo de capacidades
WOAH collaborating centre network on veterinary products	mundial	Americas Asia and Pacific Europe Middle East	Uso responsable de productos veterinarios para contribuir a la reducción del uso de antimicrobianos
National Institute of Fisheries	Korea	Asia and Pacific	Intercambio científico y convenio de colaboración.
Prince Edwards Island	Canada	Americas	Intercambio científico y colaboración
NVI	Noruega	Europe	Intercambio científico

TOR 6: EXPERT CONSULTANTS

6. Did your Collaborating Centre place expert consultants at the disposal of WOAHA?

Yes

Name of expert	Kind of consultancy	Subject
Marcela Lara	AMU (WOAH) y RAM (Canadá y Reino Unido)	Ad hoc group: AMU Field Level Data Collection Guidelines on Aquatic Animals de OMSA

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Javiera Cornejo	Planes de acción nacionales; AMU/RAM	Ad hoc group: AMU Field Level Data Collection Guidelines on Aquatic Animals de OMSA
Alicia Gallardo	AAHC	Grupo de expertos acuáticos Capítulo 6.2. Presidenta de la Comisión de animales acuáticos

TOR 7: SCIENTIFIC AND TECHNICAL TRAINING

7. Did your Collaborating Centre provide advice/services to requests from Members in your main focus area?

Yes

1. *Asesoría al Consejo del Salmón de Chile (APP)*

2. *Proyecto ICARS en colaboración con SERNAPESCA*

3. *Proyecto con Monterey Bay Aquarium to contribute to the prevention of AMR in environmental matrices.*

4. *AMR Aquaproject con Noruega y Suecia*

5. *Proyecto ICARS con la región patagonia norte de Argentina. Marco regulatorio y determinantes del uso de antimicrobianos en trucha en la patagonia argentina*

8. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by WOA, to personnel from WOA Members?

Yes

a) Technical visit : 1

b) Seminars : 4

c) Hands-on training courses: 0

d) Internships (>1 month) : 0

Type of technical training provided (a, b, c or d)	Content	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
B	XII Congreso científico AQUASURTECH 2025	Chile	700
B	Auto vacunas	América	300
B	Alternativas al uso de Antimicrobianos (ATAs)	América	300
B	Mejora genética para la prevención de enfermedades en la acuicultura	América	300
A	intercambio de información sobre bioseguridad en acuicultura con el centro colaborador de OMSA en material de referencia para la enfermedades de la acuicultura	Korea	2

TOR 8: SCIENTIFIC MEETINGS

9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOA?

Yes

National/International	Title of event	Co-organiser	Date	Location	No. Participants
Internationally	Cicuales meeting Participation in activities aimed at strengthening national and Latin American networks, addressing topics related to animal welfare applied to aquaculture.	Universidad de Chile	2025-11-25	Santiago de Chile	200
Internationally	LACQUA25 — Latin American & Caribbean Aquaculture Congress, Puerto Varas, Chile (6–9 octubre).	Universidad Austral	2025-10-06	Puerto Varas, Chile	300
Internationally	InnAqua — Aquaculture Innovation Conference 2025 — Evento presencial en Puerto Montt y Puerto Varas, Chile(2–4 septiembre)	Innovation Center LATAM	2025-09-02	Puerto Varas, Chile	300
Internationally	12 Symposium on “Diseases in “Asian Aquaculture DAA” Chennai, India	ICAR-CIBA	2025-09-26	Chennai, India	500
Internationally	Workshop on the Development of a Farm-Level Early Warning System (EWS) for Aquatic Animal Diseases Qingdao, China	FAO in collaboration with the Chinese Academy of Fishery Sciences (CAFS)	2025-11-25	Qingdao, China	50
Nationally	Congreso Ciencias del Mar XLIII.	Universidad Austral	2025-05-27	Puerto Montt, Chile	300
Internationally	Congreso Nacional de Acuicultura	Universidad Arturo Prat	2025-11-28	Iquique, Chile	150

TOR 9: DATA AND INFORMATION DISSEMINATION

10. Publication and dissemination of any information within the remit of the mandate given by WOAHA that may be useful to Members of WOAHA

a) Articles published in peer-reviewed journals:

3

1) Fariás, D. R., Ibarra, R., Tucca, F., Jaramillo-Torres, A., Cornejo, J., Ibieta, P., Mardones, F. O., & Avendaño-Herrera, R. (2025). Insights and lessons from Chilean salmon aquaculture on antimicrobial use. *Antibiotics (Basel, Switzerland)*, 14(12), 1177. <https://doi.org/10.3390/antibiotics14121177>

2) José M Yáñez, Roberto Neira, Diogo T Hashimoto, Delphine Lallias, Peng Xu, Dean R Jerry. 2025. Recent advancements in aquaculture genetics. *Aquaculture* 609. <https://doi.org/10.1016/j.aquaculture.2025.742781> ISI: 3,9 (Q1).

3) Yoanna Eissler, David Tapia, Cristian B Canales-Aguirre, José Manuel Yáñez. 2025. Epidemiological Insights Into Infectious Pancreatic Necrosis Virus: Detection, Distribution and Persistence in Chilean Salmon Farms. *Journal of Fish Diseases* e70047. <https://doi.org/10.1111/jfd.70047> ISI: 2,2 (Q1).

b) International conferences:

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*Twelfth International Conference on antimicrobial Agents in Veterinary Medicine (AAVM). 16-18 June
InnAqua — Aquaculture Innovation Conference 2025 — Evento presencial en Puerto Montt y Puerto Varas, Chile(2–4 septiembre)*

LACQUA25 — Latin American & Caribbean Aquaculture Congress, Puerto Varas, Chile (6–9 octubre).
DAA, noviembre 2025

c) National conferences:

2

Congreso Ciencias del Mar XLIII. Presentación de resultados de investigación "Mejora de la biodisponibilidad de oxitetraciclina en trucha arcoiris (*Oncorhynchus mykiss*): Optimizando una herramienta terapéutica mediante tecnologías de encapsulación". 23-25 de mayo. Puerto Montt, Los Lagos.
Congreso nacional de Acuicultura, Iquique, 28 de noviembre. Optimización de uso de antimicrobianos en la acuicultura

d) Other (Provide website address or link to appropriate information):

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<https://casauchile.cl/>

11. What have you done in the past year to advance your area of focus, e.g. updated technology?

Reforzamiento de contenidos en redes sociales: Podcast para mejorar la difusión y comunicación sobre Uso de Antimicrobianos.
Mejora en la página web

12. Additional comments regarding your report: