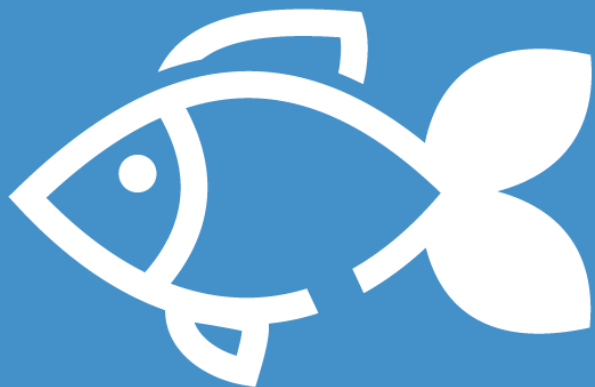




AQUACULTURE SKILL



COMPETENT SPECIALIST



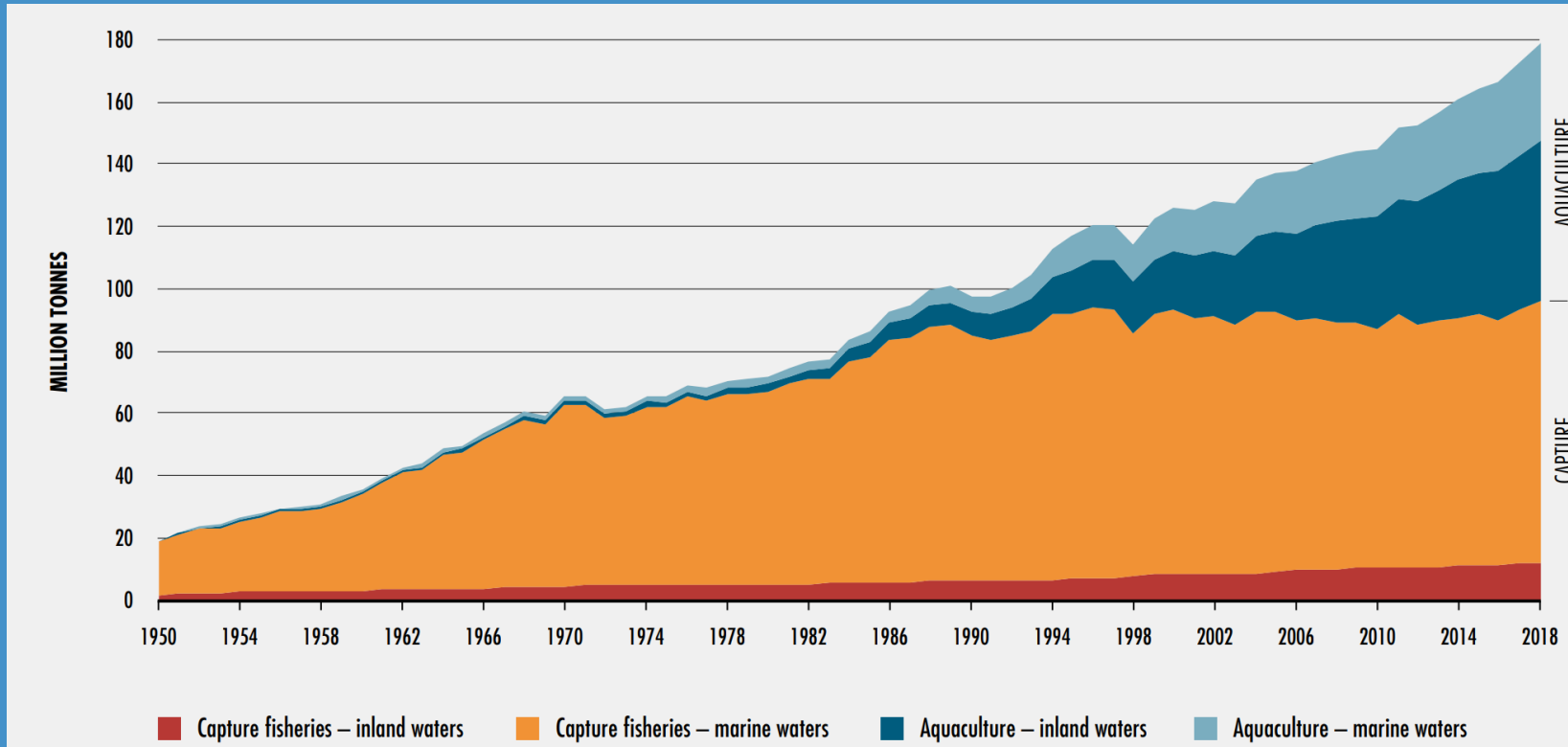
A specialist competent in aquaculture ensures biotechnical processes for artificial cultivation of objects in modern high-tech aquaculture. Such specialists are in demand in fish farms, in industrial workshops with recirculating water supply installations, marine and lake-type cage farms, etc.

Area of professional activity: performance of work on reproduction and cultivation of hydrobionts in various types of water bodies.

Objects of professional activity of a specialist competent in aquaculture are: hydrobionts related to fish farming and mariculture, incl. producers, stocking material, marketable products; feed, fertilizers, special preparations, disinfectants; technical means, mechanisms and equipment for aquaculture; technological processes of growing hydrobionts.



WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION



NOTE: Excludes aquatic mammals, crocodiles, alligators and caimans, seaweeds and other aquatic plants.

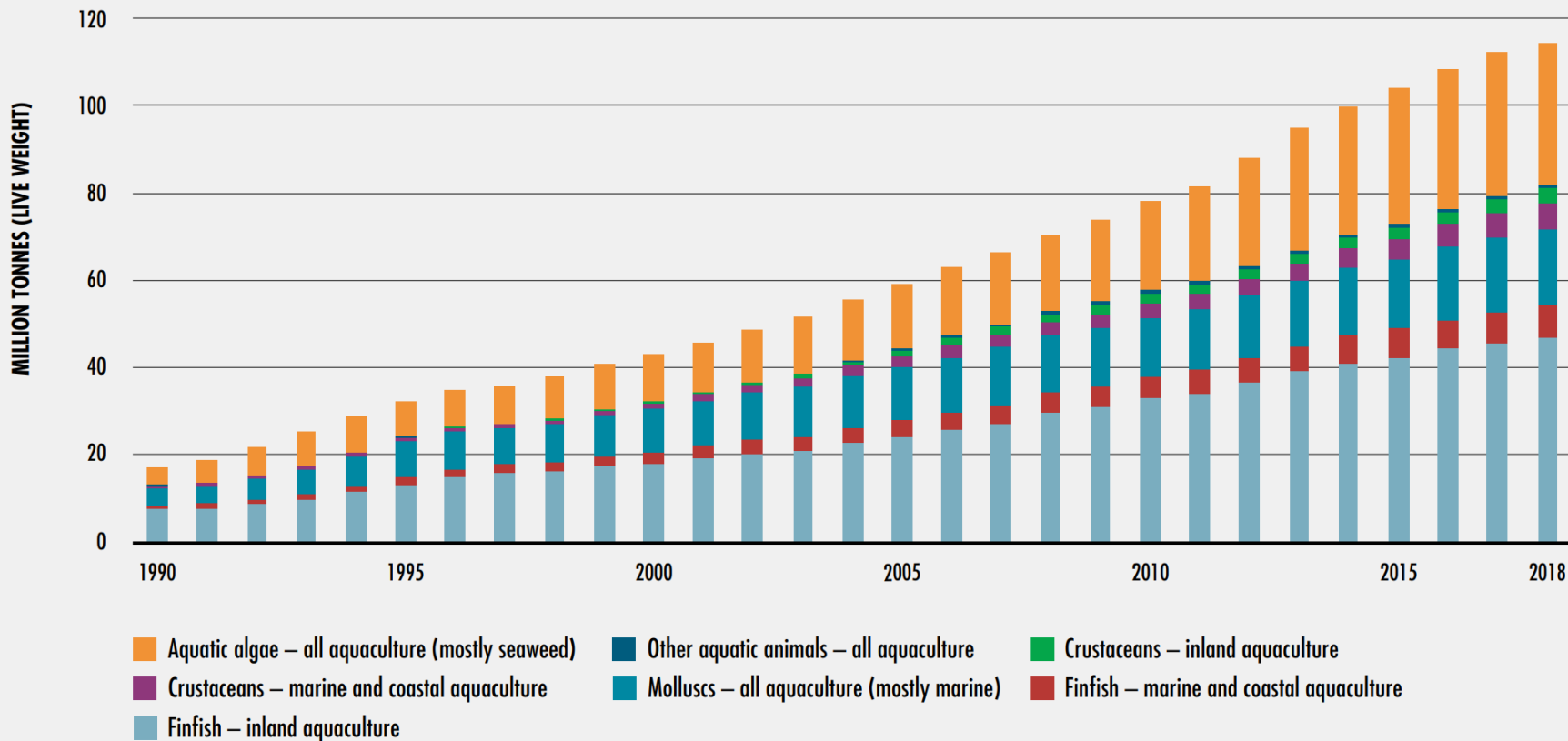
SOURCE: FAO.

Dynamics of the world fisheries and aquaculture

Source: FAO. 2020. *State of the World Fisheries and Aquaculture 2020. Measures to increase resilience.* Rome, FAO.
<https://doi.org/10.4060/ca9229ru>



WORLD AQUACULTURE PRODUCTION



SOURCE: FAO.

Global aquaculture production by the major groups of hydrobionts

Source: FAO. 2020. *State of the World Fisheries and Aquaculture 2020. Measures to increase resilience.* Rome, FAO.
<https://doi.org/10.4060/ca9229ru>

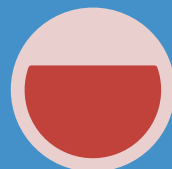


DEVELOPMENT OF THE SKILL IN RUSSIA



2019

Creation of the skill in Russia

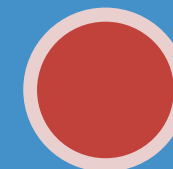


2020 – 2021

Regional Competitions:

- Astrakhan region,
- Moscow region,
- Saint Petersburg,
- Primorye territory,
- Kamchatka territory.

Final competitions in competencies that do not take part in the Final of the IX National Championship "Young Professionals" (WorldSkills Russia) of the Primorye territory



2021 - 2022

Regional Competitions:

- Astrakhan region,
- Moscow region,
- Primorye territory,
- Saint Petersburg,
- Krasnodar territory,
- Krasnoyarsk territory,
- Kamchatka territory.

Final competitions in competencies that do not take part in the Final of the X National Championship "Young Professionals" (WorldSkills Russia) of Saint Petersburg.



COUNTRIES SUPPORTING HOLDING INTERNATIONAL COMPETITIONS



People's Republic of China, Republic of Turkey, Kingdom of Morocco, Israel, Federative Republic of Brazil, Republic of India, Republic of South Africa



SKILLS OF SPECIALIST



Section		Relative importance (%)
1	Work place arrangement	10
2	Work with technical documents	15
3	Biological basis of growing hydrobionts	25
4	Design, working principles, operating procedures of fish-breeding equipment	25
5	Biotechnical processes in aquaculture	25
Total		100



TASK



Module A Incubating of eggs and rearing of juvenile fish



Module B Regulation and operation of fish farming equipment



Module C Solving of production (situation) tasks



TIME TO PERFORM THE MODULES



	Module name	Competition day (C1, C2, C3)
A	Incubating of eggs and rearing of juvenile fish	C1
B	Regulation and operation of fish farming equipment	C2
C	Solving of production (situation) tasks	C3



EDUCATION



Secondary vocational education	
Basic training qualification– Technician	
Secondary general education	2 years 10 months
Basic general education	3 years 10 months
In-depth training qualification –Chief technician	
Secondary general education	3 years 10 months
Basic general education	4 years 10 months

Higher education (Bachelor degree program)	
Secondary general education	4 years



TRAINING IN AQUACULTURE IN THE WORLD



China



India



Federal Republic of
Nigeria

SHANGHAI OCEAN UNIVERSITY
<https://www.shou.edu.cn/>
College of Fisheries and Life Science
<https://smxy.shou.edu.cn/>

OCEAN UNIVERSITY OF CHINA
<http://eweb.ouc.edu.cn/main.htm>
Fisheries College
<http://eweb.ouc.edu.cn/fisheries/>

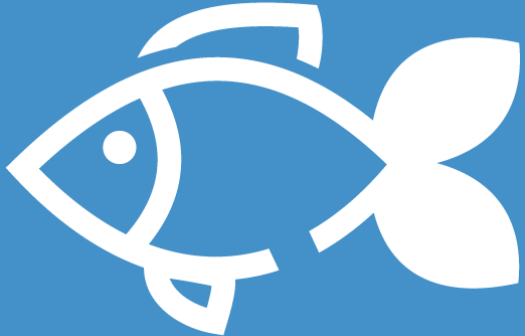
KARNATAKA VETERINARY,
ANIMAL AND FISHERIES
SCIENCES UNIVERSITY,
BIDAR
http://www.kvafsu.edu.in/cof_mangaluru/manjanaik.html
College of Fisheries, Mangalore
<http://www.cofm.edu.in/>
Fisheries College and Research
Institute (FC&RI), Thoothukudi
<https://www.tnifu.ac.in/fcritut/>

REYKJAVIK UNIVERSITY
IcelandaYd School of Fisheries
<https://en.ru.is/news/reykjavik-university-launches-iceland-school-of-fisheries>

International School of
Commercial Fishing Gear
Technology
<https://www.iscft.com/>



WORK AREA



THANK YOU!



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