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SIDE EVENT

30 June 2022 | 11.30 a.m–12.45 p.m. | Room 1, Altice Arena, Lisbon, Portugal

From ocean knowledge to action: Developing capacity to create a sustainable ocean economy



An Roinn Gnóthaí
Eachtracha agus Trádála
Department of
Foreign Affairs and Trade



Niall McDonough
Director of Policy Information
and Research Support Services
(PIRS) – Marine Institute



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From ocean knowledge to action: Developing capacity to create a sustainable ocean economy



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Antonella Vassallo
Managing Director
International Ocean Institute



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THE IOI OCEAN ACADEMY

Improving global Ocean Literacy through online, easily accessible, free-to-all Ocean knowledge modules anchored in local contexts

Antonella Vassallo

Managing Director, IOI HQ, Malta <http://www.ioinst.org>

The International Ocean Institute:

- founded by Elisabeth Mann Borgese in **1972**;
- an **international** non-governmental not-for-profit organisation **with special consultative status at the UN**;
- works to uphold and expand the **principle of the common heritage of humankind** as enshrined in the United Nations Convention on the Law of the Sea (UNCLOS);
- Operates via an **International Network** of Centres, Focal Points, Alumni and partnerships
- aims to create **knowledgeable future leaders in ocean governance**;
 - *knowledge-based institution that conducts training and capacity building globally, and at many levels;*
 - *accesses and produces publications of the most current scientific, legal and policy developments;*
 - *participates in the development of national and international oceans governance agendas.*

Empowering Ocean leaders since 1972

TRAINING, EDUCATION AND CAPACITY DEVELOPMENT



Ocean Governance Training
MA in Ocean Governance
IOI Alumni
The IOI Education and Training Fund

GLOBAL IOI NETWORK AND INTERNATIONAL RELATIONS



IOI Governing Board & Secretariat
IOI Centres
IOI Focal Points
International Relations & Partners

IOI PERIODIC PUBLICATIONS, NEWSLETTERS AND REPORTS



IOInforma E-Newsletter
Latest Annual Report
World Ocean Review Series
Ocean Yearbook

Pacem in Maribus



IOI Alumni

A Worldwide Network

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- FAQs and Support
- Group Chat

- Payment Due 8/1/2019
- Administrative Dashboard
- News Block 0 1 2 3 4
- Events
- Links
- File Manager 1 / Page Creator
- File Manager 2
- Browsable Document Library
- E-mail Blasts
- Register a New Member
- Admin Guide
- Success Plan
- Membership Report
- Edit Site Settings

- Training Programme Agents / Raps / Contacts / Ambassadors *
- Contact Us
- VERIFIED & SECURED

NEWEST MEMBERS

- 9 members from Faculty / Staff
- 1,523 members total
- Click name to profile:
- Papathanassiou, Vangelis (Fac/Staff)
- Farsi, Mahdi (MTP)
- De Vera, Dennis (TTP)

INTRODUCTION & WELCOME

NEWS AND COMMUNITY

We're on Facebook

International Ocean Institute (IOI)

970 likes

Liked

Send Message

You and 15 other friends like this

International Ocean Institute (IOI)

on Thursday

VISIT A TRAINING PROGRAMME PAGE

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International Ocean Institute Alumni

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Map of Member Locations



Double-click on map to zoom in. Hover your mouse over any red flag for city and state information. Members who have chosen to share their location will have their name listed on a



OCEAN KNOWLEDGE
FOR ALL

.... to be Ocean Literate is to understand the Ocean's influence on you, and your influence on the Ocean ...

- *The IOI's Global Ocean Literacy Programme;*
- *launched for the IOI's 50th anniversary*

An Ocean-literate person:

- understands the essential principles and fundamental concepts about the functioning of the ocean;
- can communicate about the ocean in a meaningful way; and
- is able to make **informed and responsible decisions regarding the Ocean** and its resources.

IMPACTFUL, POSITIVE CHANGE CAN ONLY COME WITH OCEAN KNOWLEDGE

Why is the Ocean so important to life on Earth? What can be done globally and locally to protect it from the consequences of human behaviours? How can the sustainable use of the Ocean which is so important for humans and their livelihoods, be ensured in the long term?

An IOI Ocean Academy Course is designed to provide regionally and locally relevant Ocean information by local experts

- 20-hour modules delivered online
- In local languages
- Free-of-charge for participants
- Locally relevant Ocean knowledge
- Overseen by the IOI and implemented by local experts

ANYONE WITH A SMARTPHONE and WIFI CAN JOIN ANYWHERE, ANYTIME

IOI Ocean Academy Course Participant will:

- gain a **basic understanding of the Ocean:**
- learn about the importance of Ocean governance, sustainable and equitable human use, the principle of the common heritage of humankind, respecting the needs of future generations, all in locally relevant context;
- be **empowered to become more active locally as stakeholders** to positively influence their communities and beyond;

The IOI Ocean Academy:

3 Pilot Academies in 2021

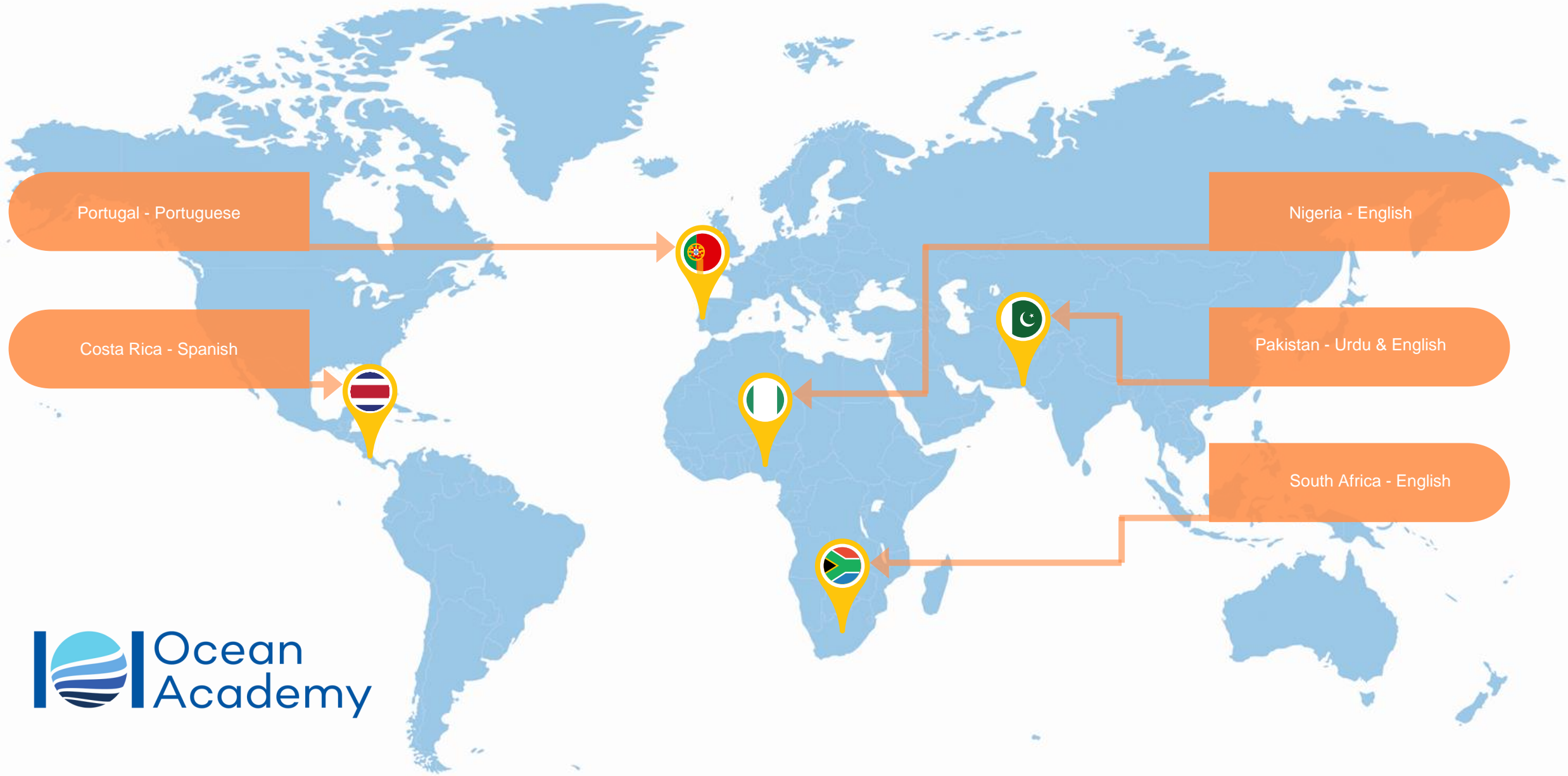
Full rollout of programme in 2022 (IOI@50)

>20 courses planned in 2022, in 13 countries

More planned for the next years to come!







Portugal - Portuguese

Nigeria - English

Costa Rica - Spanish

Pakistan - Urdu & English

South Africa - English

The IOI Ocean Academy, results from the first 6 months of 2022, and Q4 of 2021:

- On average, 3-5 times more applications were received than could be handled
- Academy programmes will be repeated at least twice yearly per location
- Contents can easily evolve and adapt locally
- More language clusters can be served
- Outreach to new communities encouraged
- Expansion to new countries envisaged





Some early feedback from our Directors and our audiences, in 4 main take-away points

Info Datum	Feedback	Take-home Note
<p>Participants come from a wide variety of backgrounds but all share an interest in learning more about the Ocean and their impacts on it</p>	<p>Participants are often surprised to learn of the impact of the Ocean in their lives</p>	<p>More efforts need to be made to spread Ocean Literacy, especially in local languages, to address structural inequalities in knowledge availability</p>
<p>Anyone with a smartphone and Wi-Fi can join anywhere, anytime; the programme is free!</p>	<p>Ocean knowledge reaches new audiences easily and efficiently</p>	<p>Lack of Ocean Literacy is surprisingly common even among professional ranks, more outreach needed to more fully achieve the SDGs</p>
<p>Local examples and case studies anchor the information in a locally relevant context</p>	<p>Local communities relate more to familiar places, habitats and species</p>	<p>Participants are empowered to become more active locally to positively influence their communities and beyond</p>
<p>Local Experts mentor and guide discussion and take questions in an informal and encouraging environment</p>	<p>Local and indigenous knowledge are also input back into the learning process</p>	<p>Stakeholder involvement, ownership and duty of care for sustainable use of marine resources is greatly enhanced</p>

ioinst.org



SCAN ME



Thank you!

Antonella Vassallo

IOI HQ



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David Vivas Eugui
Legal Officer in the Trade,
Environment, Climate Change
and Sustainable Development
Branch of UNCTAD



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The Potential of UNCTAD's new database to assess trade flows of ocean-based goods and services

UNCTAD's 2020 Oceans Economy Classification

The classification is structured around three categories: **Goods**, **Services** and **Energy**.














Each category is divided into chapters (A-M) and each chapter is further sub-divided into a three-digit level of detail covering a total of 52 subsectors.

The classification is reflected in Harmonized tariff System (HS) codes at 6-digit level.

This system measures flows, value and volumes but not sustainability

Sustainability is assessed by using several criteria:

- UNCTAD Ocean's pillars
- UN COMPACT Sustainable Oceans Principles
- BioTrade Principles and criteria
- Diverse Voluntary Sustainability Standards

GOODS		A Marine fisheries
		B Aquaculture and hatcheries ^a
		C Seafood processing
		D Sea minerals
		E Ships, port equipment and parts thereof
		F High-technology and other manufactures not elsewhere classified (NEC)
SERVICES		G Marine and coastal tourism
		H Trade in fisheries services
		I Maritime transport and related services ^b
		J Port services, related infrastructure services and logistical services
		K Coastal and marine environmental services
	L Marine research and development and related services	
ENERGY		M Ocean energy and renewable energy ^c

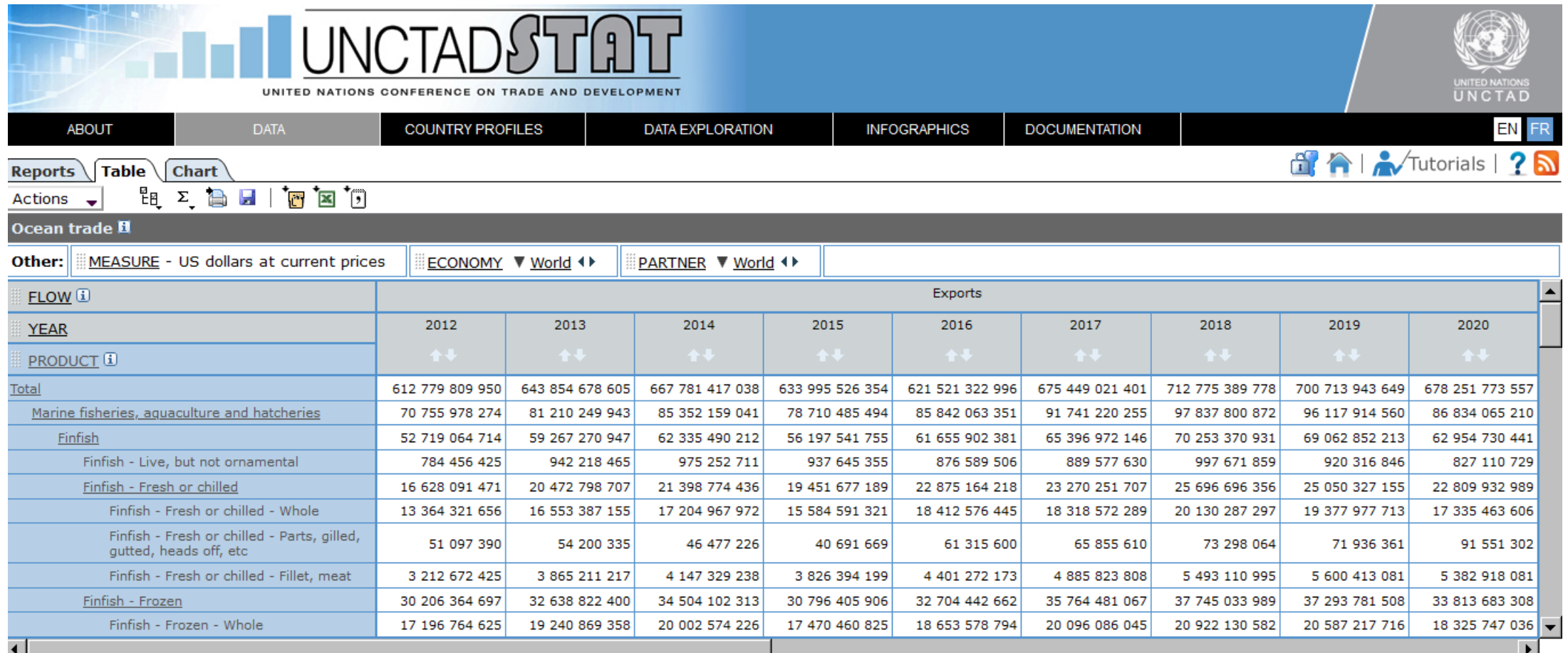
Source: UNCTAD.

^a Production only.

^b Excludes services specific to trade in fisheries that are not related to transport.

The Ocean Trade database

First official data reported by all UN member states



FLOW	Exports								
YEAR	2012	2013	2014	2015	2016	2017	2018	2019	2020
PRODUCT	↑↓	↑↓	↑↓	↑↓	↑↓	↑↓	↑↓	↑↓	↑↓
Total	612 779 809 950	643 854 678 605	667 781 417 038	633 995 526 354	621 521 322 996	675 449 021 401	712 775 389 778	700 713 943 649	678 251 773 557
Marine fisheries, aquaculture and hatcheries	70 755 978 274	81 210 249 943	85 352 159 041	78 710 485 494	85 842 063 351	91 741 220 255	97 837 800 872	96 117 914 560	86 834 065 210
Finfish	52 719 064 714	59 267 270 947	62 335 490 212	56 197 541 755	61 655 902 381	65 396 972 146	70 253 370 931	69 062 852 213	62 954 730 441
Finfish - Live, but not ornamental	784 456 425	942 218 465	975 252 711	937 645 355	876 589 506	889 577 630	997 671 859	920 316 846	827 110 729
Finfish - Fresh or chilled	16 628 091 471	20 472 798 707	21 398 774 436	19 451 677 189	22 875 164 218	23 270 251 707	25 696 696 356	25 050 327 155	22 809 932 989
Finfish - Fresh or chilled - Whole	13 364 321 656	16 553 387 155	17 204 967 972	15 584 591 321	18 412 576 445	18 318 572 289	20 130 287 297	19 377 977 713	17 335 463 606
Finfish - Fresh or chilled - Parts, gilled, gutted, heads off, etc	51 097 390	54 200 335	46 477 226	40 691 669	61 315 600	65 855 610	73 298 064	71 936 361	91 551 302
Finfish - Fresh or chilled - Fillet, meat	3 212 672 425	3 865 211 217	4 147 329 238	3 826 394 199	4 401 272 173	4 885 823 808	5 493 110 995	5 600 413 081	5 382 918 081
Finfish - Frozen	30 206 364 697	32 638 822 400	34 504 102 313	30 796 405 906	32 704 442 662	35 764 481 067	37 745 033 989	37 293 781 508	33 813 683 308
Finfish - Frozen - Whole	17 196 764 625	19 240 869 358	20 002 574 226	17 470 460 825	18 653 578 794	20 096 086 045	20 922 130 582	20 587 217 716	18 325 747 036

Data is available for all good sectors and 5 of 6 oceans-based services sector (with some data gaps at higher levels of disaggregation)

The Ocean Trade database

UNCTADSTAT
UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

ABOUT DATA COUNTRY PROFILES DATA EXPLORATION INFOGRAPHICS DOCUMENTATION EN FR

Reports Table Chart

Actions

Ocean trade

Other: MEASURE - US dollars at current prices ECONOMY World PARTNER World

FLOW	2012	2013	2014	2015	2016	2017	2018	2019	2020
YEAR									
PRODUCT									
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By country, region, development status, economic grouping

The Ocean Trade database

By country, region, development status, economic grouping

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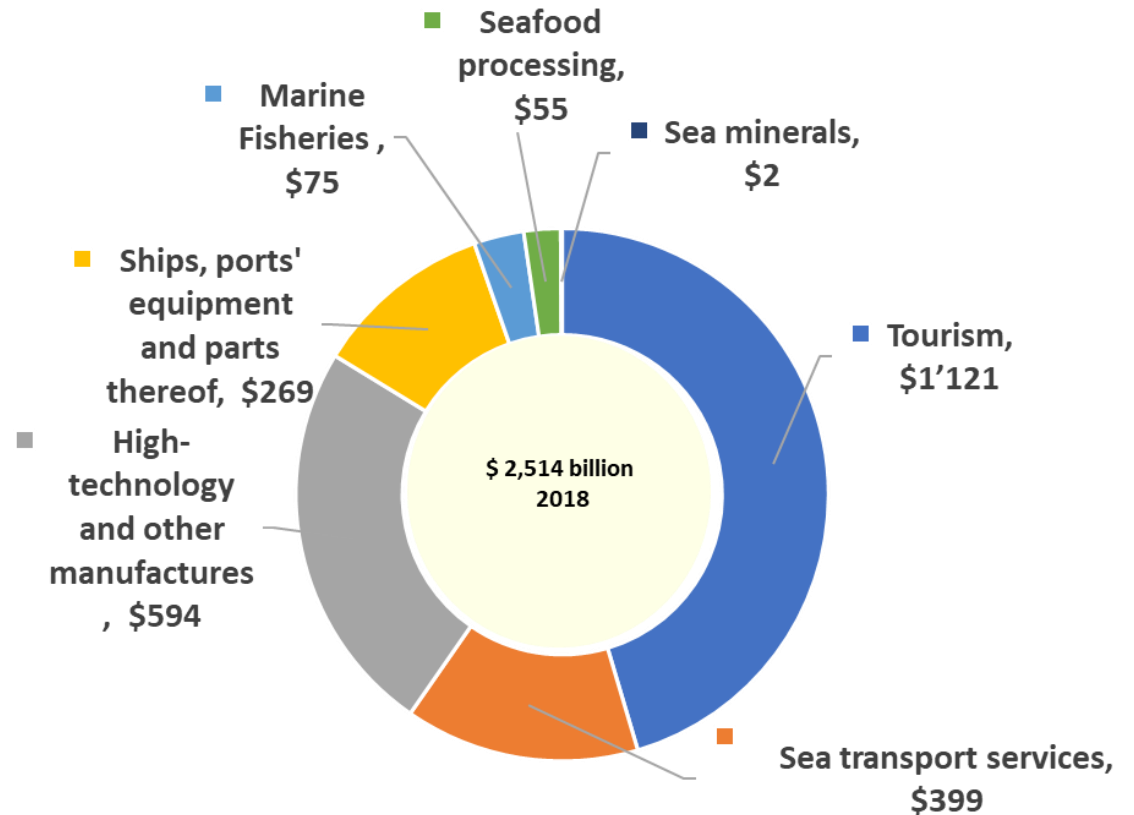
By sector and subsector to 3-digit level

First Ocean Trade report

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

UNCTAD

ADVANCING THE POTENTIAL OF SUSTAINABLE
OCEAN-BASED ECONOMIES: TRADE TRENDS,
MARKET DRIVERS AND MARKET ACCESS
A FIRST ASSESSMENT



Launch of the database – [press release](#)



The image is a screenshot of the UNCTAD website. At the top left is the UNCTAD logo with the tagline "Prosperity for all". To the right are social media icons and a search bar. Below the header is a navigation menu with "Ukraine in focus" highlighted. The main content area features a news article titled "Trade in ocean goods shows resilience, UNCTAD data reveals" dated 28 June 2022. The article text states: "A new UNCTAD database provides insight into the ocean economy's sectors, main players and export opportunities for developing countries as they try to recover from the COVID-19 pandemic." Below the text is a large photograph of a fisherman in Zanzibar, Tanzania, holding several large fish. To the right of the article is a "Related" sidebar with sections for "Stories" (three items), "Topic" (one item), "Programme" (one item), and "Project" (one item).

UNCTAD Prosperity for all

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Home / News / Trade in ocean goods shows resilience, UNCTAD data reveals

Trade in ocean goods shows resilience, UNCTAD data reveals

28 June 2022

A new UNCTAD database provides insight into the ocean economy's sectors, main players and export opportunities for developing countries as they try to recover from the COVID-19 pandemic.



© Gleason (lge) Shutterstock / A fisherman in Zanzibar, Tanzania.

Trade in ocean-based goods showed remarkable resilience during the recession induced by COVID-19 in 2020, according to the latest available data from a new UNCTAD database.

Such goods include resources either sourced from the ocean, made from marine resources or manufactured for marine activities.

UNCTAD's ocean trade database, released in April 2022, draws on official statistics from all UN member states.

Related

Stories

23 Jun 2022  How marine bioprospecting can spur development in small island states

7 Jun 2022  Promoting sustainable fisheries trade in Eastern Caribbean

3 May 2022  5 global actions needed to build a sustainable ocean economy

Topic

 Trade and environment

Programme

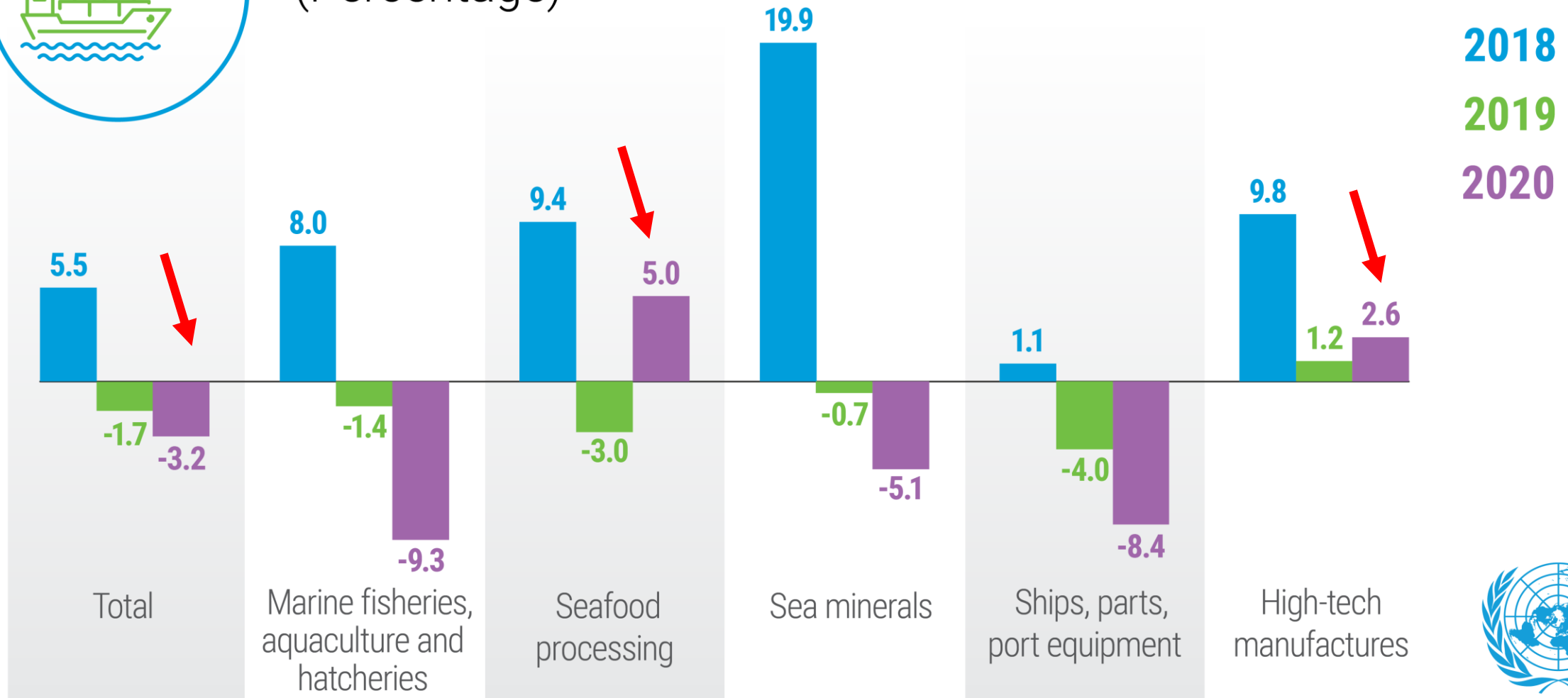
- Oceans Economy and Fisheries

Project



Ocean sectors' growth rates

(Percentage)



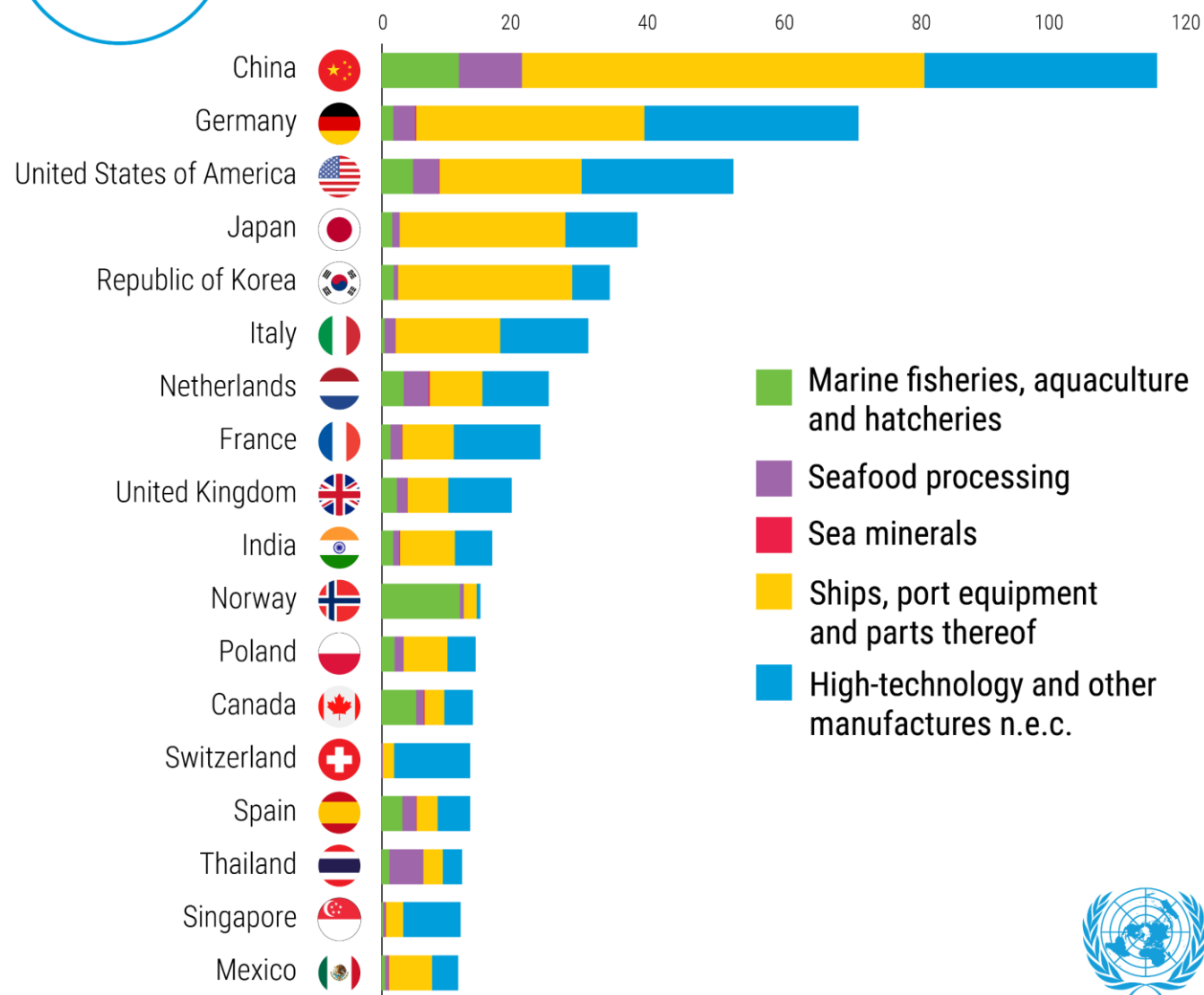
Source: UNCTAD (2022). Ocean Trade, UNCTAD Stats.



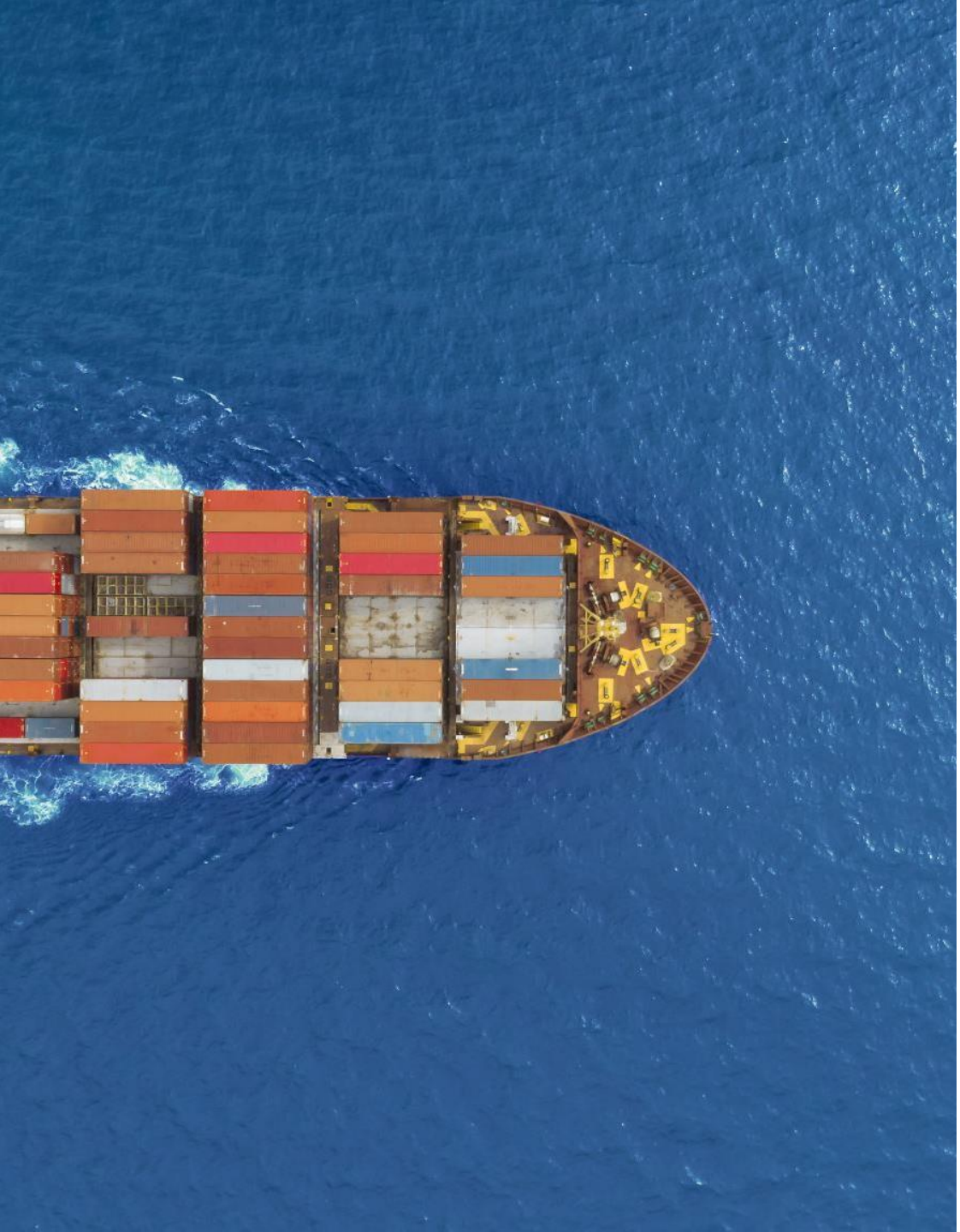
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Top exporters of ocean economy goods, 2019 (Billion \$US)



Source: UNCTAD (2022). Ocean Trade, UNCTAD Stats.



Potential

From ocean knowledge

- Global analysis
- Sectoral analysis
- Country profiles

To action

- Identify export/import markets
- Support productive capacities
- Partner for knowledge dissemination

David Vivas Eugui, Legal Officer UNCTAD
Ludovic Arnaud, Consultant, UNCTAD



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Alicia Montalvo

Manager of Climate Action and
Positive Biodiversity
CAF



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Elisa Morgera
Professor of Global
Environment Law,
University of Strathclyde
Director of One Ocean Hub



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ONE OCEAN LEARN

Connecting and translating ocean knowledge for transformative governance











www.oneoceanlearn.org



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An Roinn Gnóthaí
Eachtracha agus Trádála
Department of
Foreign Affairs and Trade



Bernard McCaul
Regional Director &
Deputy Director, Programme
Design and Innovation, GOAL



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Local Systems Approach

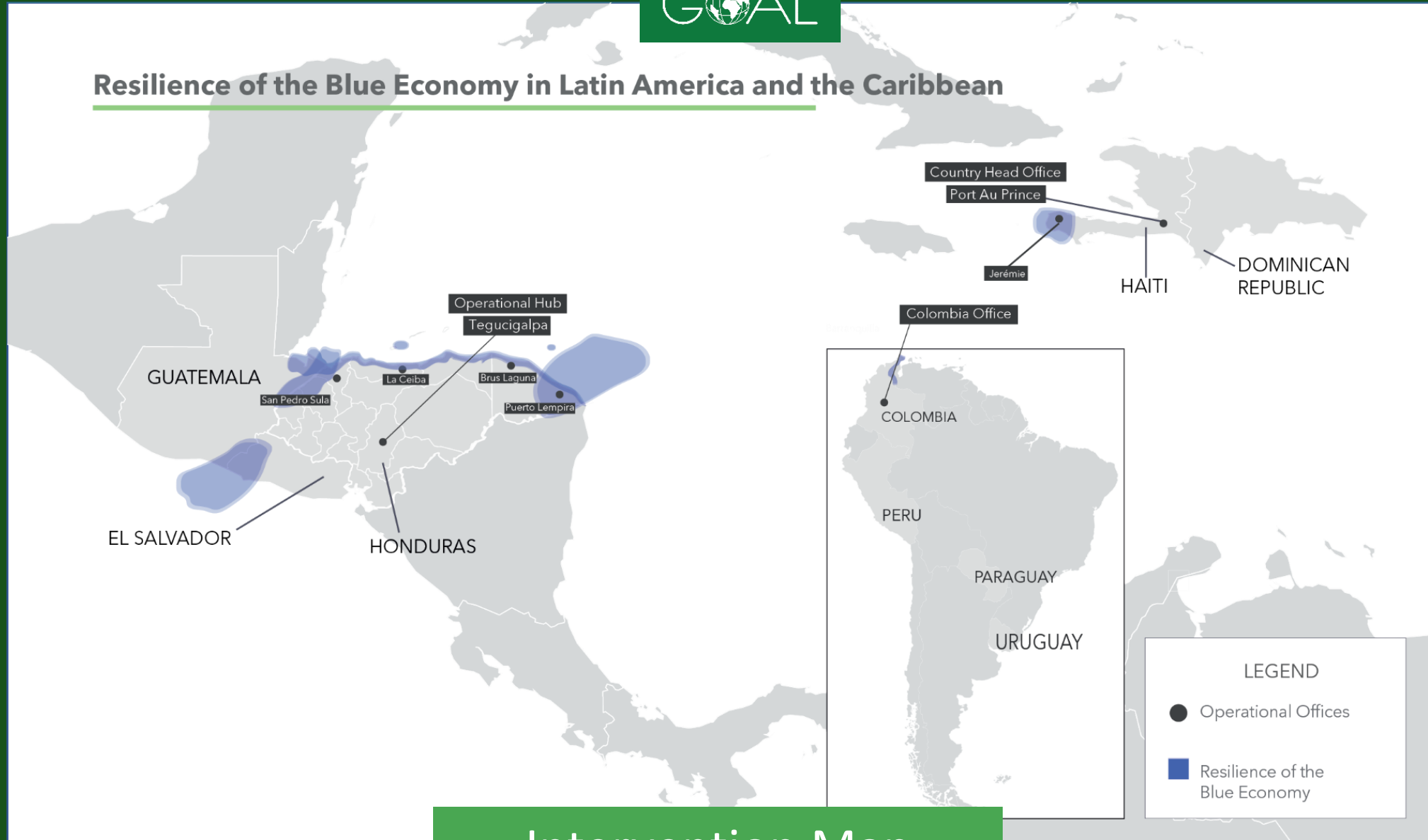
Resilience of the Blue Economy



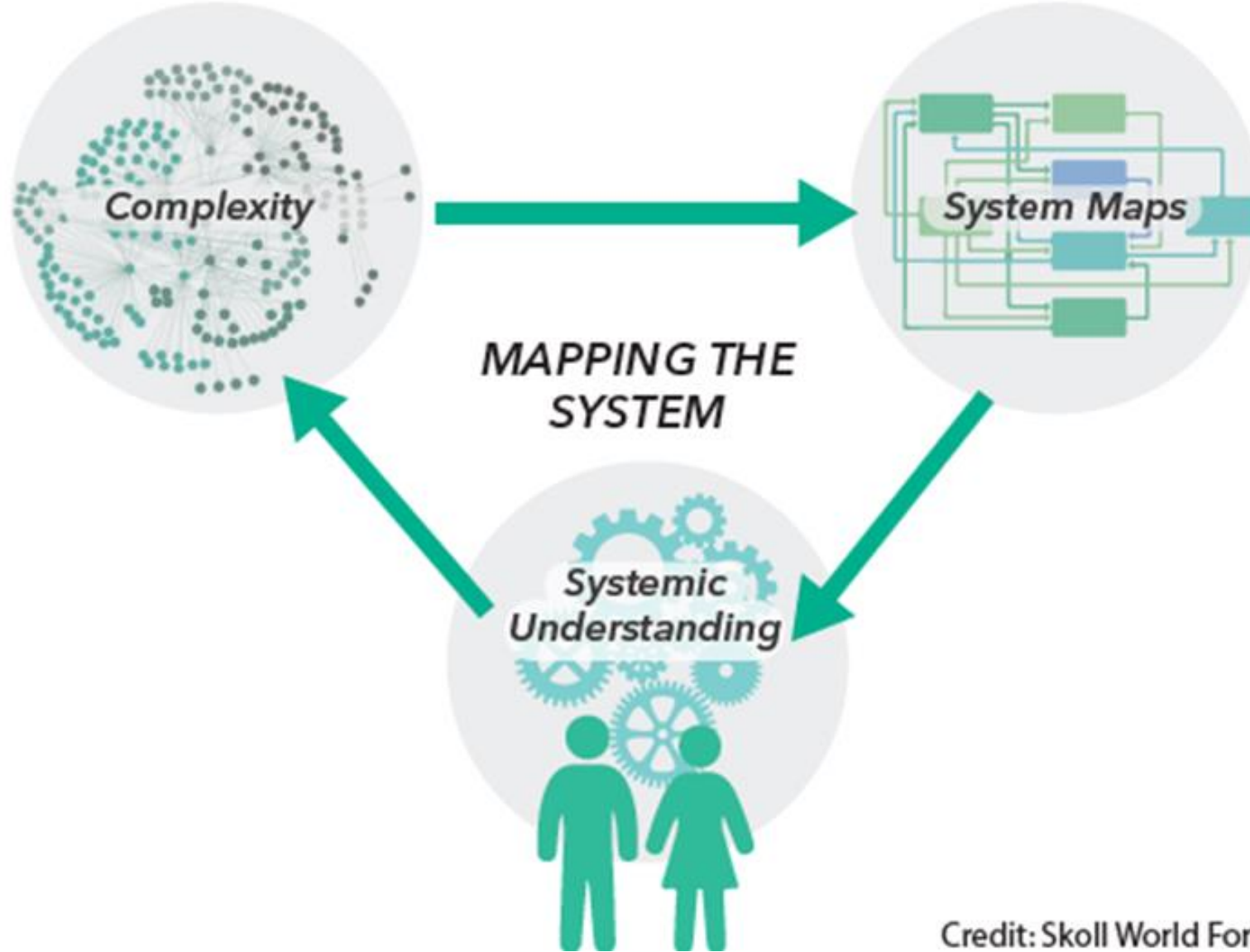
Bernard McCaul

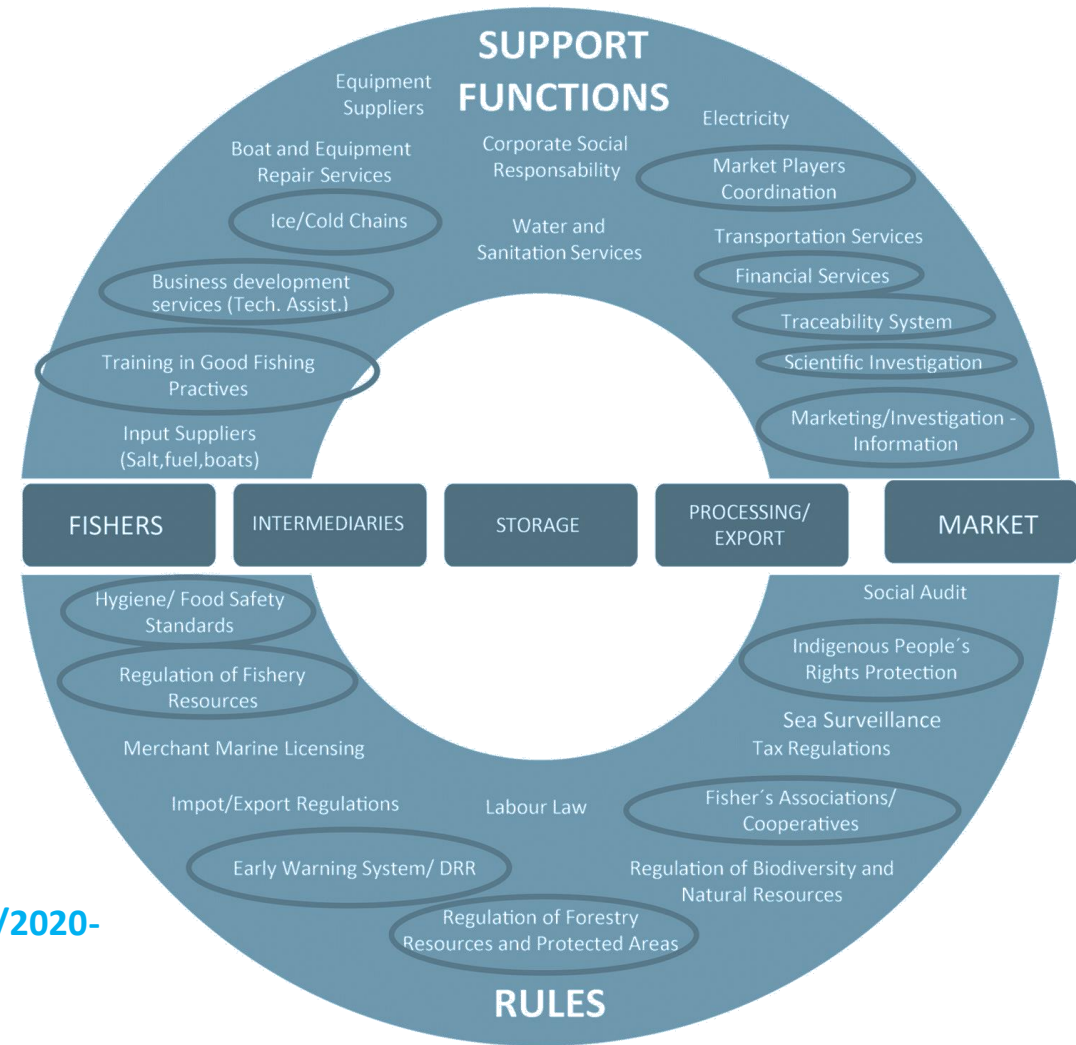
bmccaul@goal.ie

Resilience of the Blue Economy in Latin America and the Caribbean



Intervention Map





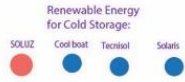
<https://www.marketlinks.org/sites/default/files/media/file/2020-09/2019-R4S-ToolkitD01-1.pdf>

Resilience Analysis



Category and Level	
1	No or Minimal Connectivity Little awareness of issues and no action
2	Low Connectivity Some awareness and motivation, some action, but action is piecemeal and short-term
3	Medium Connectivity Awareness and long-term actions, but these are not linked to a long-term strategy and/or not all aspects of the problem are addressed
4	Approaching Optimal Connectivity Actions are long-term, linked to strategy and address main aspects of the issue, but there are still deficiencies (especially systemic) in implementation
5	Optimal Connectivity Actions are long-term, linked to strategy, addressing all aspects of the issue, embedded in society and sustainable

Supporting Functions



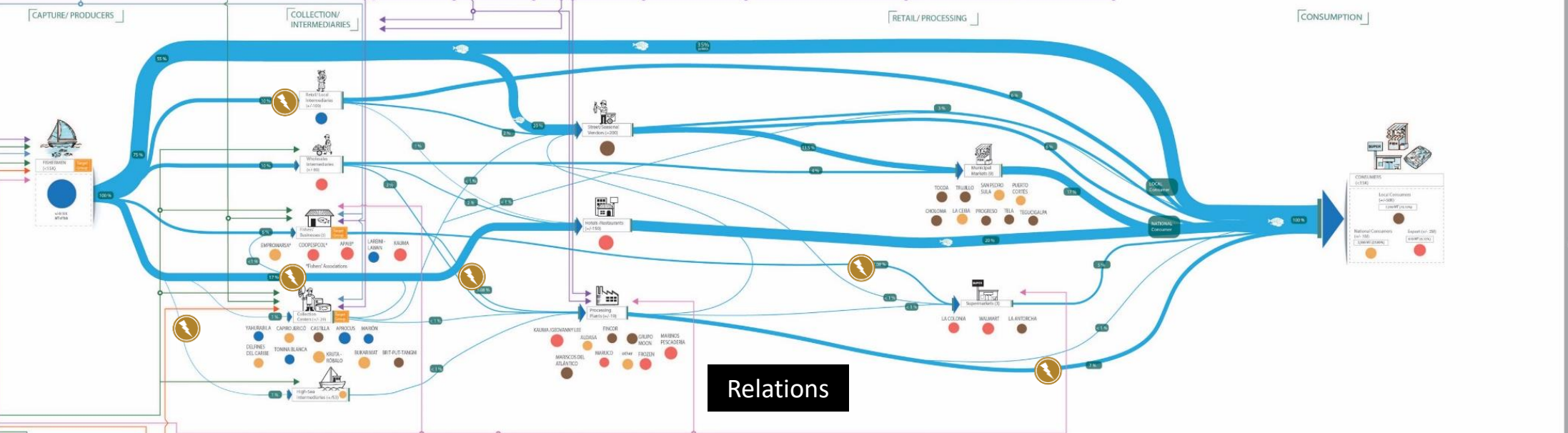
Disconnected actors



Nodes

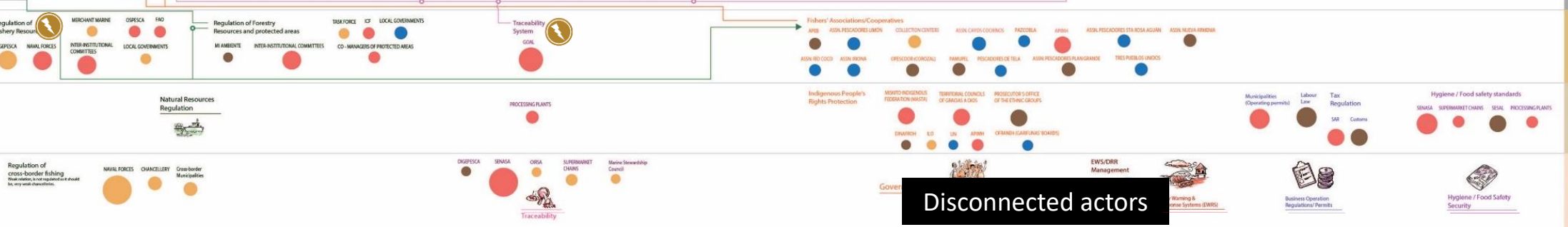


Central Transaction Chain



Relations

Regulatory Functions



Disconnected actors

ASPECT: INTERRELATIONSHIP, SUBJECT: INTERRELATIONSHIP, DIRECT: INTERRELATIONSHIP, OUTPUT, DIRECT: INTERRELATIONSHIP, SUBJECT: INTERRELATIONSHIP, ASPECT: INTERRELATIONSHIP



SUPPORTING FUNCTIONS

Transaction Chain INPUT

REGULATORY FUNCTIONS

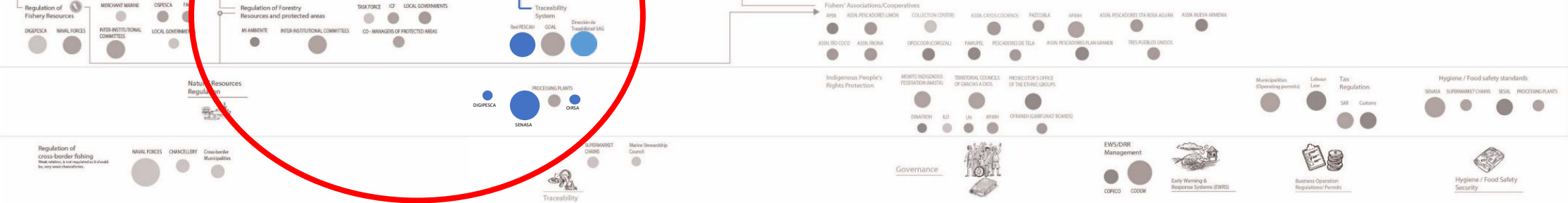
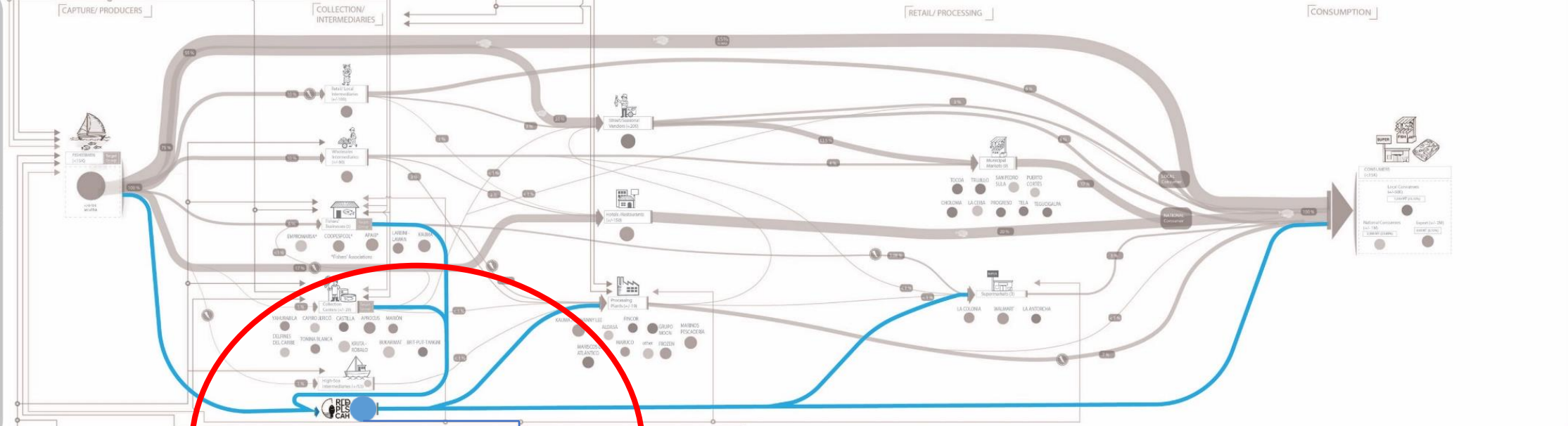
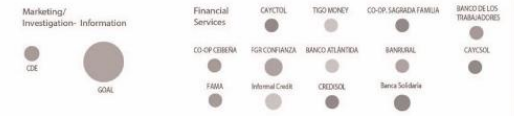
AGENT INTERRELATIONSHIP

DIRECT INTERRELATIONSHIP

OUTPUT

DIRECT INTERRELATIONSHIP

AGENT INTERRELATIONSHIP





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