



Too **BIG** To
IGNORE

Global Partnership for Small-Scale Fisheries Research

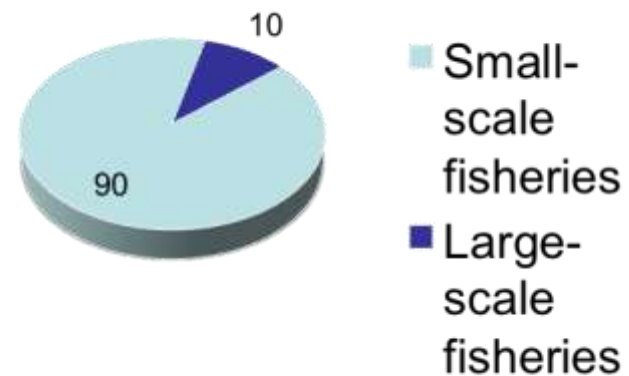
Building bridges and mobilizing SSF knowledge

Ratana Chuenpagdee, Rodolphe Devillers
and David Bishop

TBTI Webinar

February 1st, 2016

- Some 58.3 million people were engaged in the primary sector of capture fisheries and aquaculture
- About 8% of the global population, directly & indirectly depend on fishing; many are women; > 80% are in Asia
- Majority of the world fisheries, in the North and in the South, are small-scale.

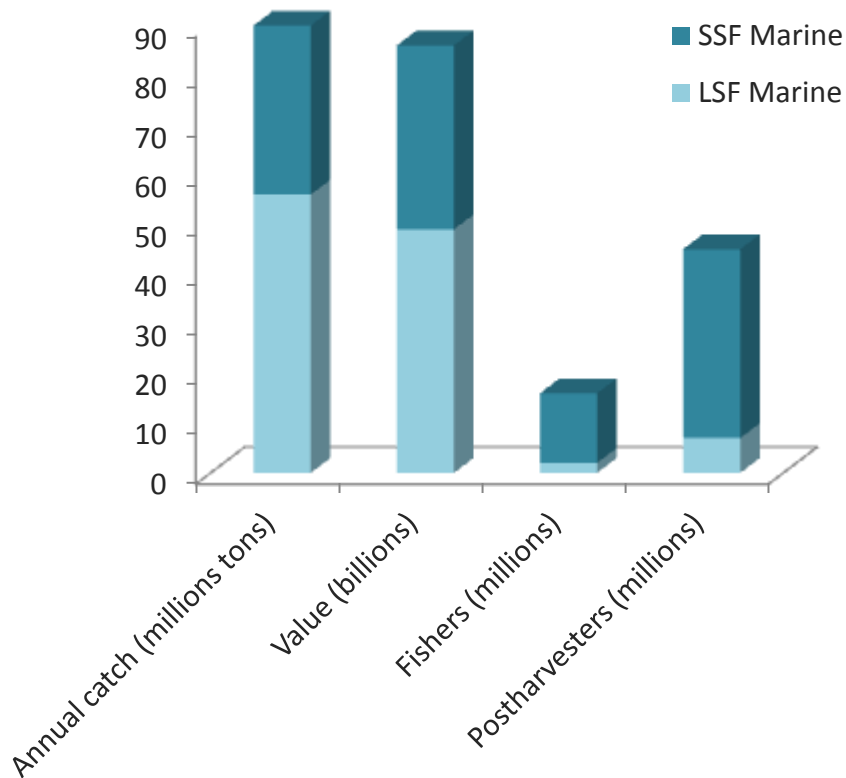


% of fishing people by sector

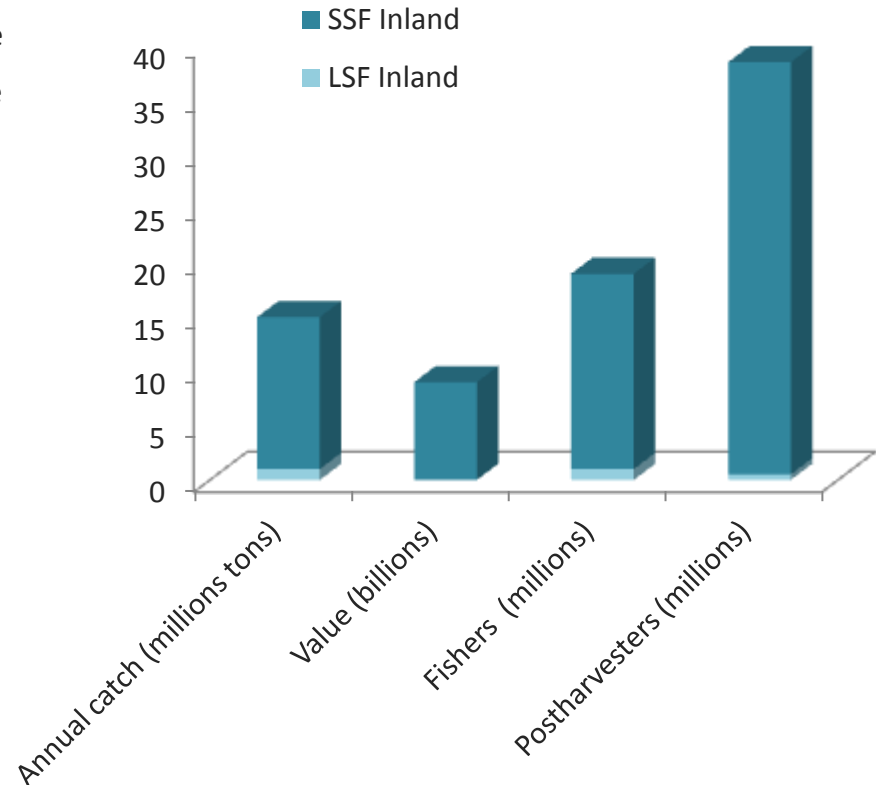


Distribution of small-scale fisheries in marine and inland fisheries

Marine fisheries

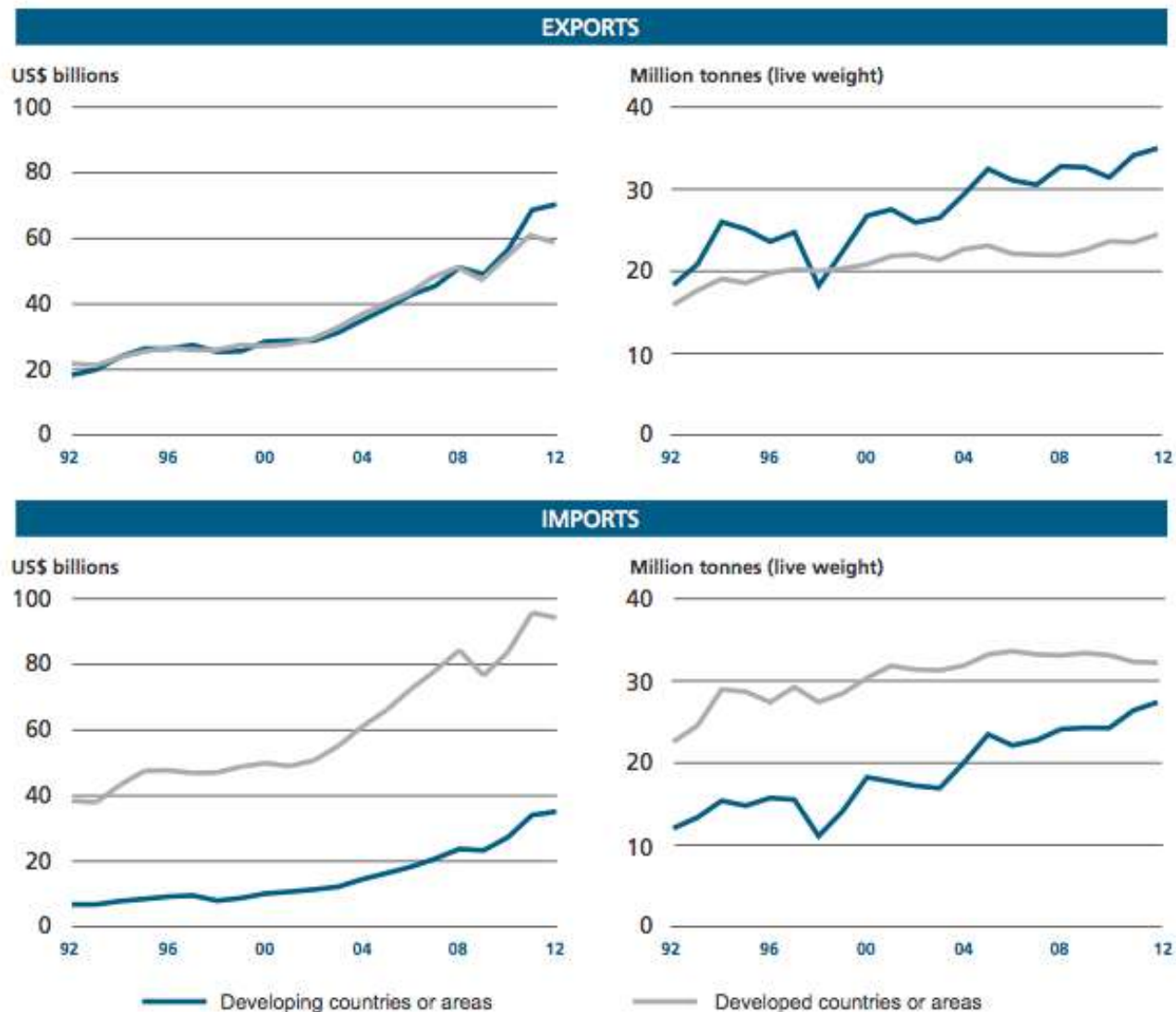


Inland fisheries



Fish remains among the most traded food commodities worldwide

- 10% of total agricultural exports
- 1% of world merchandise trade in value terms



2014

THE STATE OF WORLD FISHERIES and AQUACULTURE

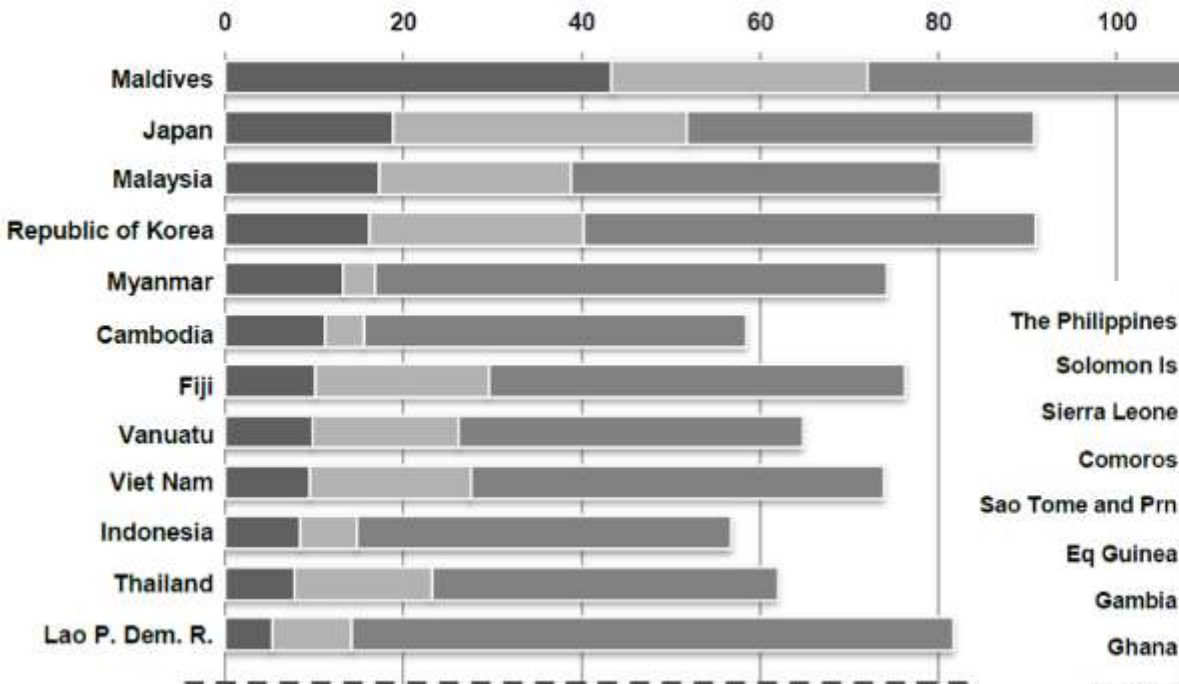
People have never consumed so much fish or depended so greatly on the sector for their well-being as they do today

CONSUMPTION AND NUTRITION

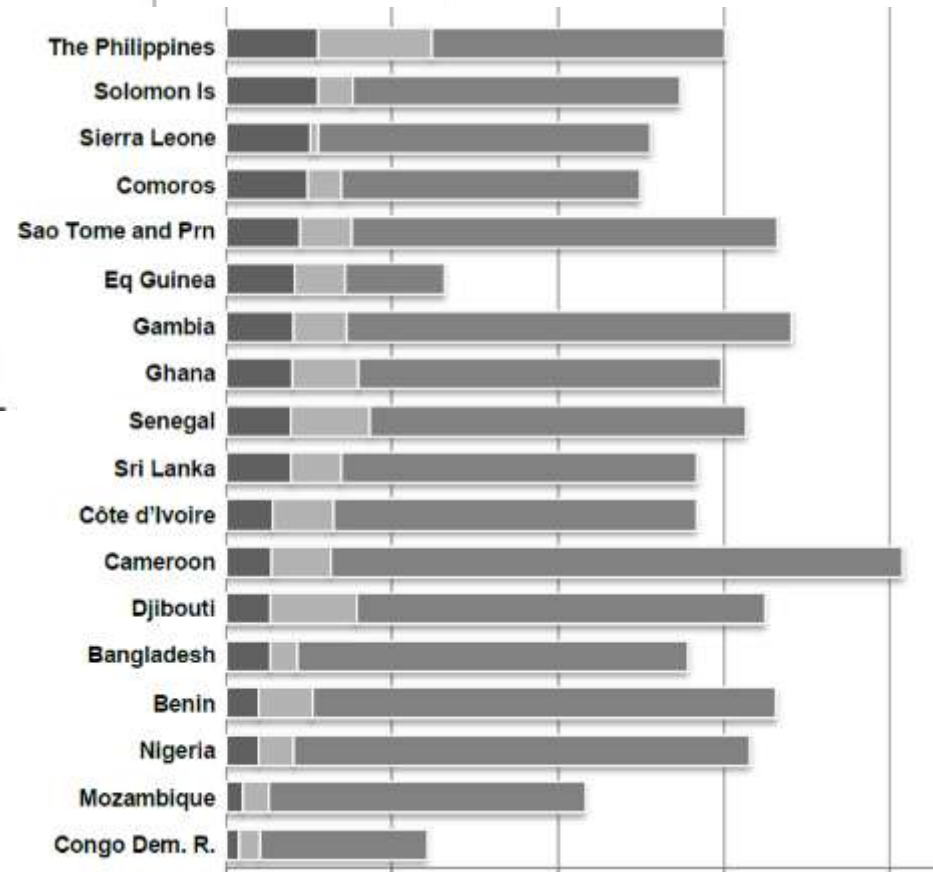
The amount of fish that people are eating continues to rise.

Fish makes up **17%** of the global population's intake of **animal protein**, and provides **essential nutrients, vitamins** and **omega-3 fatty acids**.



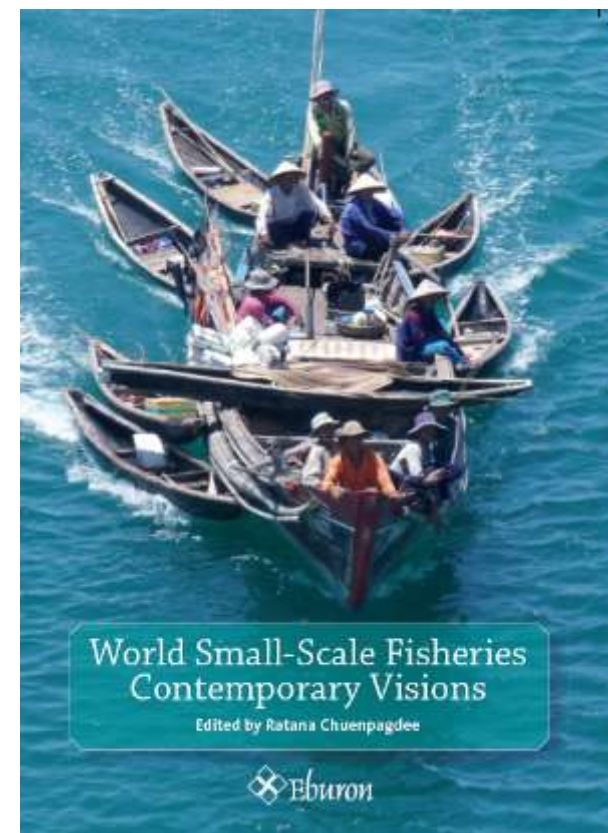
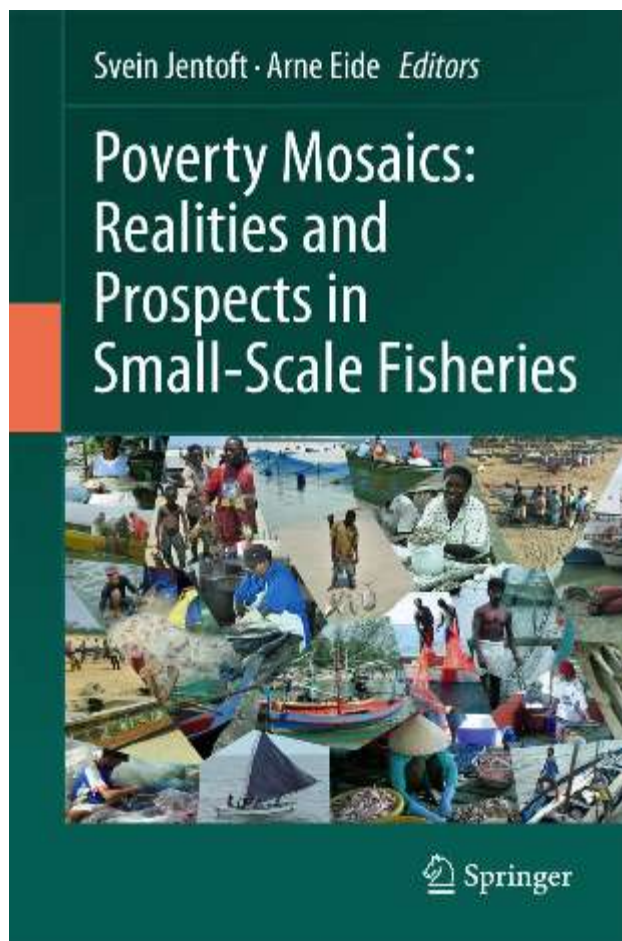
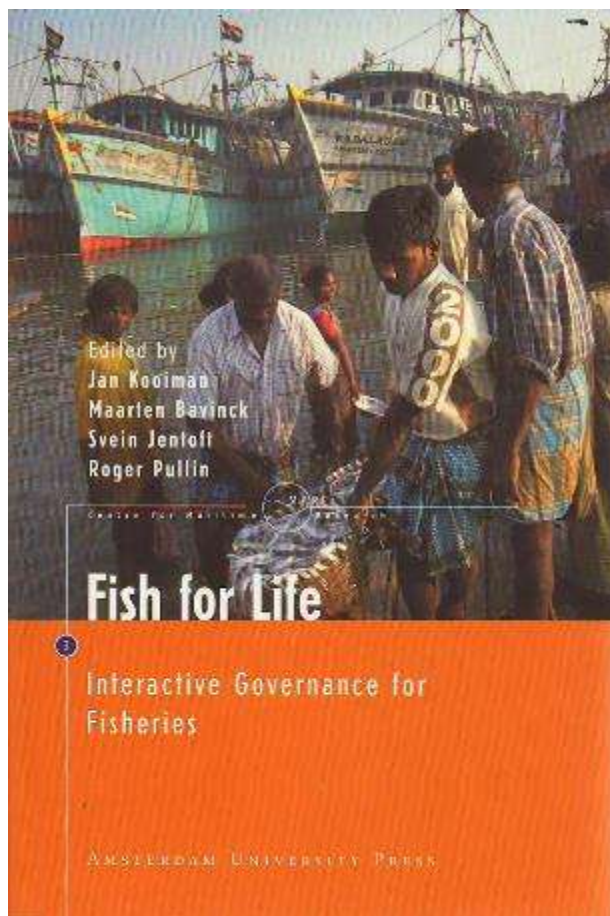


Many of them are “low income food deficit countries”



Many countries have a high proportion of fish in total protein consumption

Theoretical and empirical research on SSF



Major concerns in global fisheries

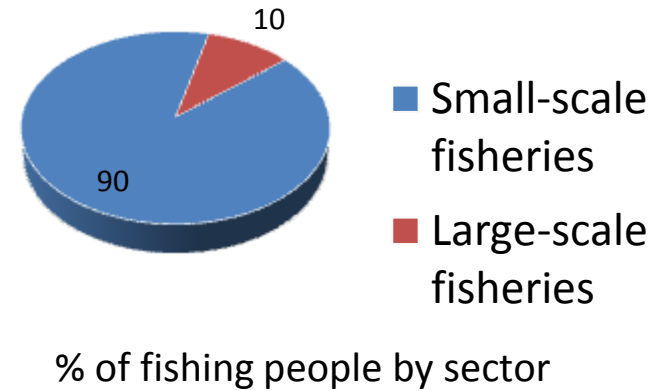
Small-scale fisheries are highly affected by these concerns.

Ecosystem health
Social justice
Livelihoods
Food security

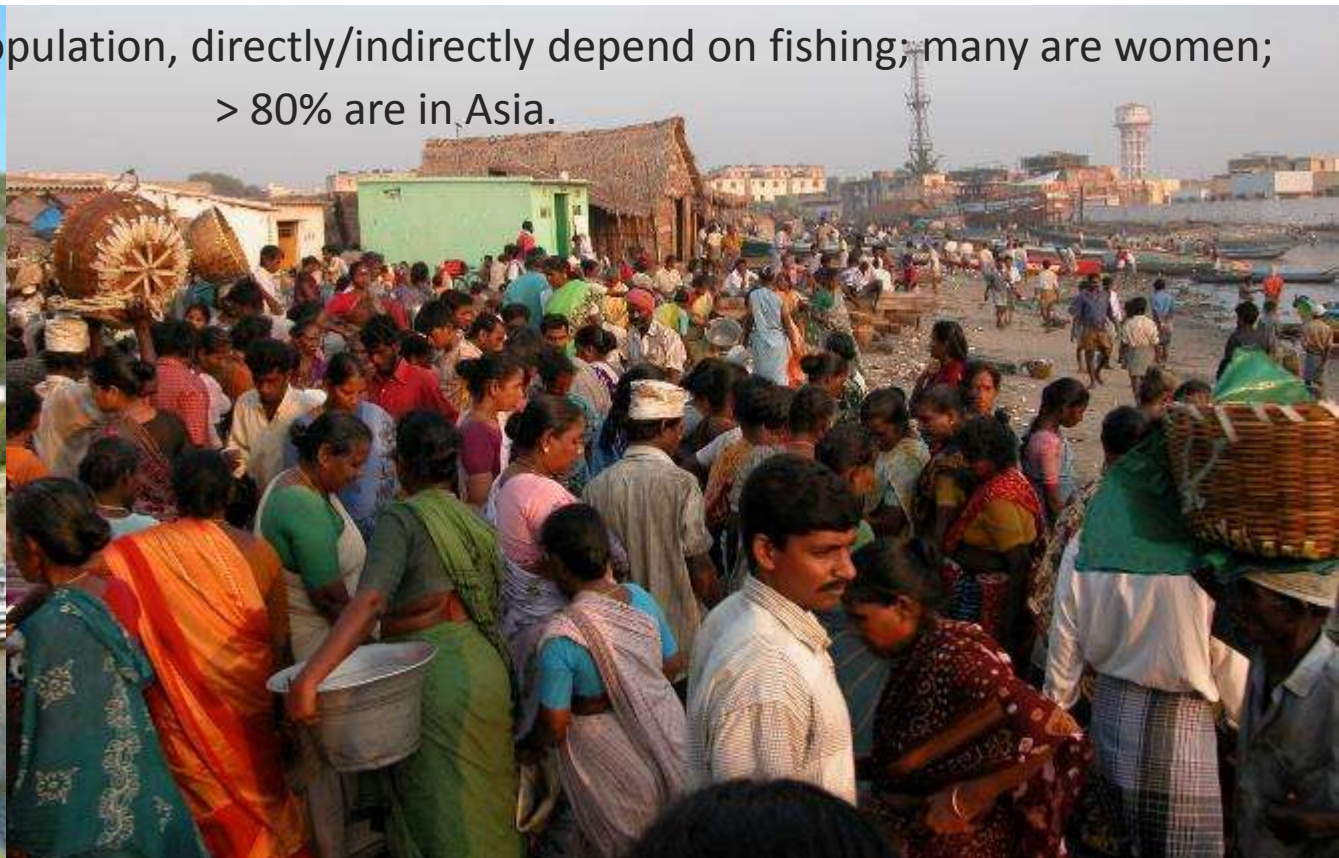
Small-scale fisheries make major contribution to address these concerns.



Majority of the world fisheries, in the North and in the South, are small-scale, contributing to food security, poverty alleviation, livelihoods, and are of cultural and traditional importance to millions of people.



About 8% of the global population, directly/indirectly depend on fishing; many are women; > 80% are in Asia.





Too BIG To IGNORE

Global Partnership for Small-Scale Fisheries Research



Too Big To Ignore

www.toobigtoignore.net

Global Partnership for Small-Scale Fisheries Research

A six-year project (March 2012 - Feb 2018), with \$2.5 million funding from
Social Sciences and Humanities Research Council of Canada
and \$2.5 million matching contributions

Characteristics of small-scale fisheries

- Artisanal fisheries that use relatively small vessels, low levels of technology and capital investments;
- Represent a diverse and dynamic subsector whose characteristics depend on the location; and
- Anchored in local communities, reflecting links to fishery resources, traditions and values, and supporting social cohesion.

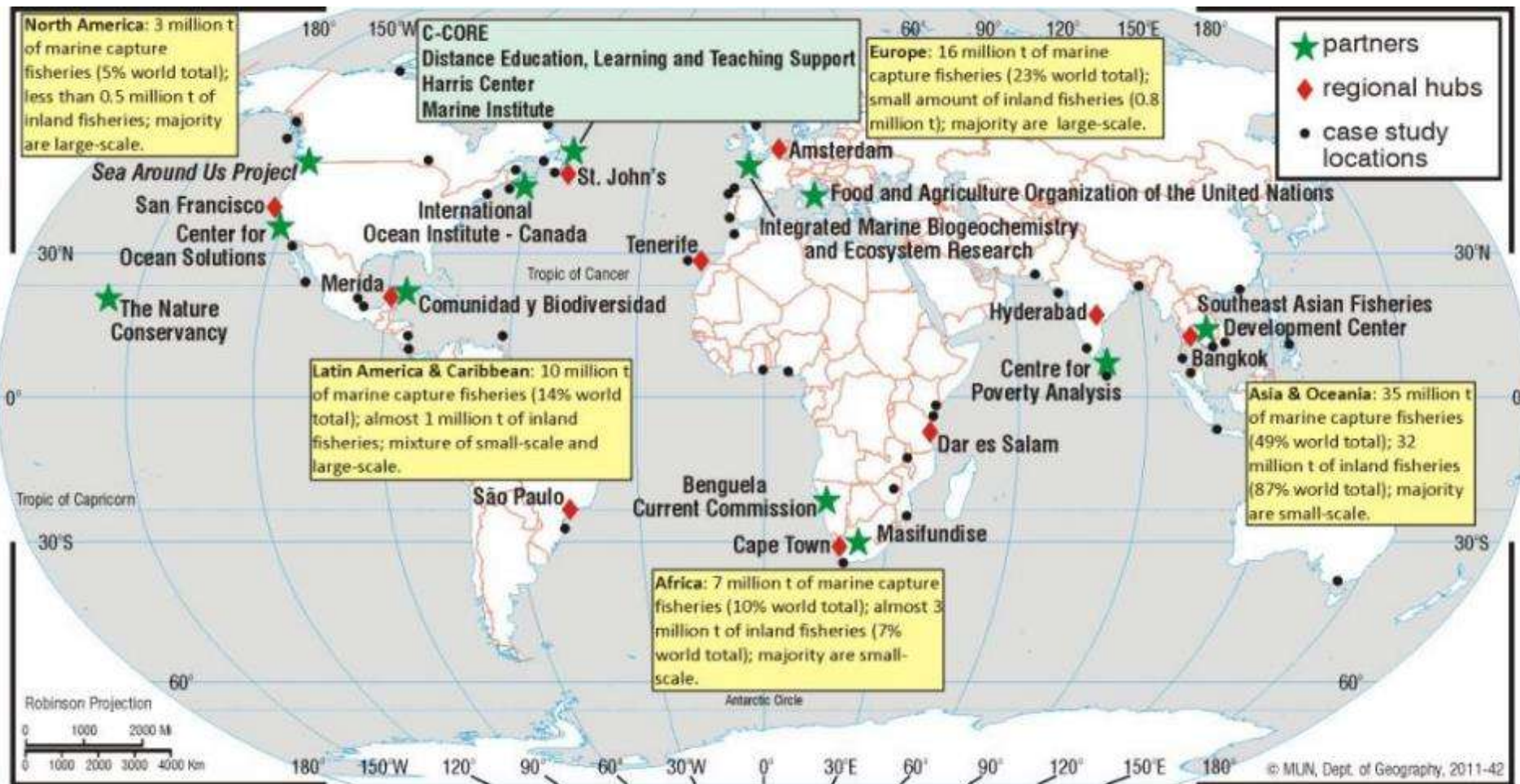
(FAO, 2014)



Too Big To Ignore (TBTI) partnership aims to

- ❖ Elevate the profile of SSF;
- ❖ Argue against their marginalization in national and international policies; and
- ❖ Conduct research, build capacity and influence policies to address global food security and sustainability challenges facing fisheries around the world.



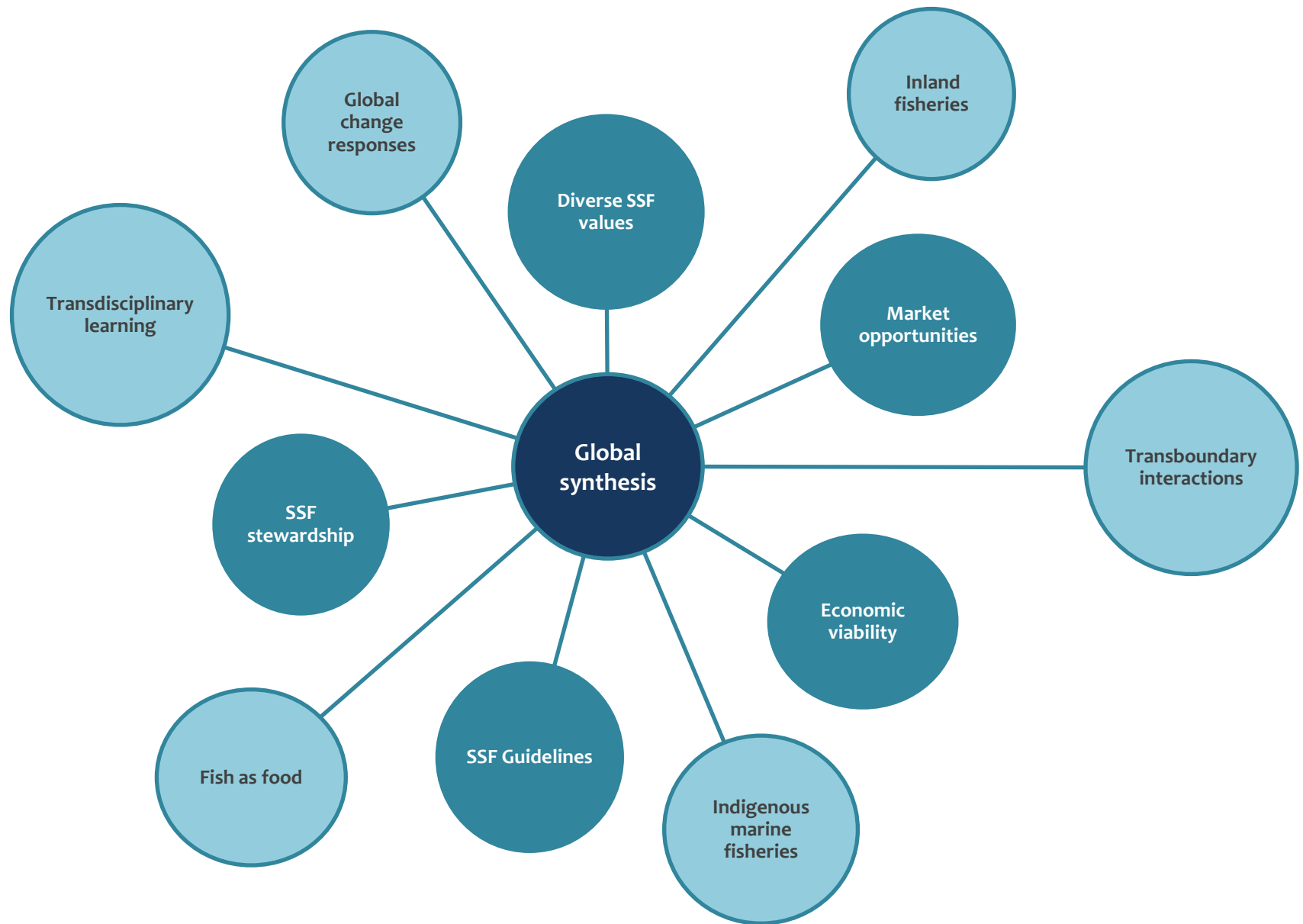


Too Big To Ignore (TBTI) is a network of more than 100 researchers, students and 15 organizations from 35 countries, partnering to do research and capacity building in small-scale fisheries, with \$2.5M from Social Sciences and Humanities Research Council of Canada, and matching contribution from team members and partners.

Three components of Too Big To Ignore

- Information system for small-scale fisheries (ISSF) to enable comparative and global analysis;
- ‘Thick’ description and in-depth analysis of SSF to answer ‘big questions’; and
- Transdisciplinary framework for teaching, learning, researching, and capacity building on small-scale fisheries.

TBTI research clusters



Traditional (Large scale) Fisheries Information Systems

FAO Home > Fisheries & Aquaculture



Food and Agriculture Organization of the United Nations
for a world without hunger

Fisheries and Aquaculture Department

العربية | Español | Français | 中文 | Русский

Search... [OK](#) [more»](#)

[Home](#) [About us](#) [Activities](#) [Statistics](#) [GeoInfo](#) [Meetings and News](#) [Publications](#) [Fact Sheets](#)

Fisheries Global Information System (FIGIS)

- About FIGIS
- Activities and outputs
- Contact
- Meetings
- Publications

Fisheries Global Information System (FIGIS)

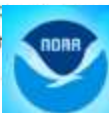


Mission

When the 1995 Code of Conduct For Responsible Fisheries aimed at sustainable fisheries, a major state of world fisheries was identified, established to address this need.

FIGIS is an information management tool to build up a network of subsystems. FIGIS regular activities acts as a framework for delivering expert knowledge, a set of solutions to a broad range of needs in

With the adoption by the Committee on World Fisheries and Aquaculture of the Status and Trends of Capture Fisheries, FIGIS has become a privileged tool for its implementation.



National Marine Fisheries Service Fisheries Information System Program



[Home](#) [About FIS](#) [Current Projects](#) [Partnerships](#) [PSGs](#) [Cross Regional Planning](#) [Past Projects/Milestones](#)

[NMFS Wiki](#)

Fisheries Information System Program



The Fisheries Information System (FIS) provides a context for the design, development, and implementation of data collection and data management for fishery-dependent statistics nationwide to improve the timeliness and accuracy of data. FIS is a portal that identifies the existing federal and state fisheries information systems or databases (data collections) and provides integrated business solutions for effective information sharing. FIS supports fisheries management decisions by developing a virtual application environment and

providing integrated business solutions and data sources in a web browser interface. ([read more](#))

Highlighted Features

FOSS
FEDERAL ONE-STOP-SHOP

InPort

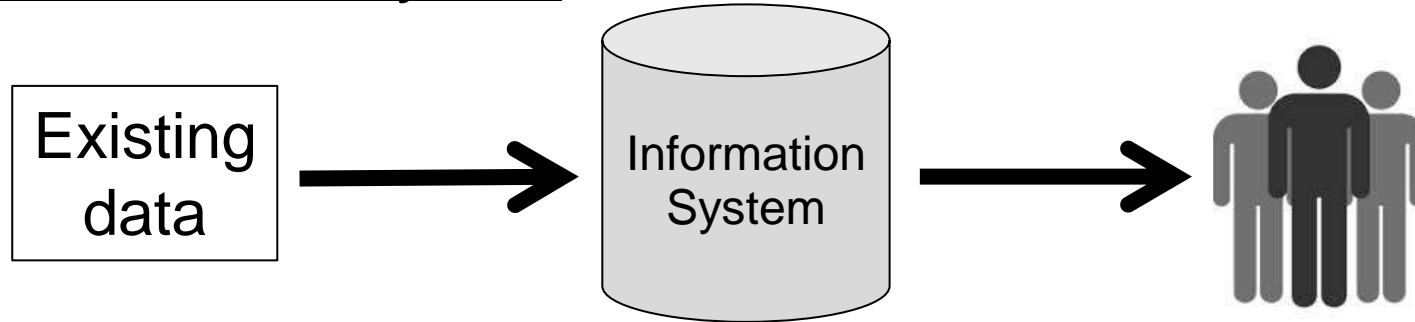
NMFS Enterprise Data Management Program

For SSF, the information exist but is scattered

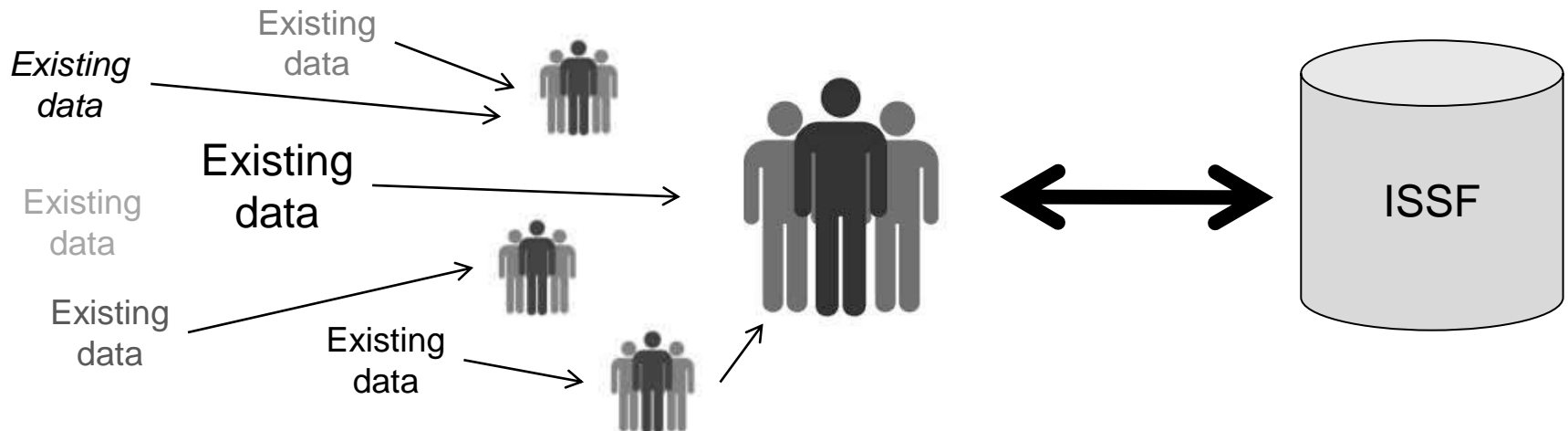


Crowdsourcing Small-scale Fisheries data

Traditional information systems



Crowdsourced information systems



Crowdsourcing Small-scale Fisheries data

In short:

- We provide the **system**
- *Everyone* provide the **content**



Information System on Small-scale Fisheries (ISSF)

For a given place
(ex. community, country)



**Experiences,
data**

Etc.

Studies, reports

SSF characteristics
(fishers, boats, gears,
species, economics,
cultural, etc.)

**SSF organizations and
scientists**

Main ISSF datasets

- Who's who in SSF
- State of the Art in SSF research
- SSF profiles
- Organizations
- Capacity development
- SSF guidelines

ISSF data to date

Examples of data currently in ISSF:

Dataset	Total	Mexico	USA	India	China
Who's who (SSF researchers)	411	28	58	19	1
Organizations	137	8	12	7	0
State-of-the-Art (SSF publications)	1324	53	104	32	1
SSF Profile	98	6	3	4	0

Information System on Small-scale Fisheries (ISSF)

The screenshot displays the ISSF Information System interface. At the top, the logo 'Too Big To IGNORE' and 'ISSF information system on small-scale fisheries' are visible. Navigation links include 'About', 'People', 'Activities', 'News', 'Surveys', and 'Contact'. The main interface features a 'Map' view and a 'Table' view. A 'Table view and data export' label points to the 'Table' tab. A 'Map view' label points to the map area. A 'Dataset selection' label points to a sidebar on the right. A 'Records details' label points to a pop-up window showing record information. An 'Advanced search tools' label points to a search bar. A 'Database and usage statistics' label points to an 'At-a-Glance' section. A 'Data entry tools' label points to a 'Start contributing and join the movement' section.

Table view and data export

Dataset selection

Records details

Map view

Advanced search tools

Database and usage statistics

Data entry tools

Record details:

- Record type: SSF Knowledge
- Geographic scope: National
- Authors: Hermann Waibel, Rudolf Witt, Lervon S. Chwaula
- Title: An Asset-Based Approach to Vulnerability The Case of Small-Scale Fishing Areas in Cameroon and Nigeria
- Publication type: Peer-reviewed Paper
- Year: 2011

At-a-Glance:

Number of boats by region:

Region	Percentage
Region 1	45.8%
Region 2	20.2%
Region 3	12.2%
Region 4	8.2%
Region 5	13.6%

Start contributing and join the movement

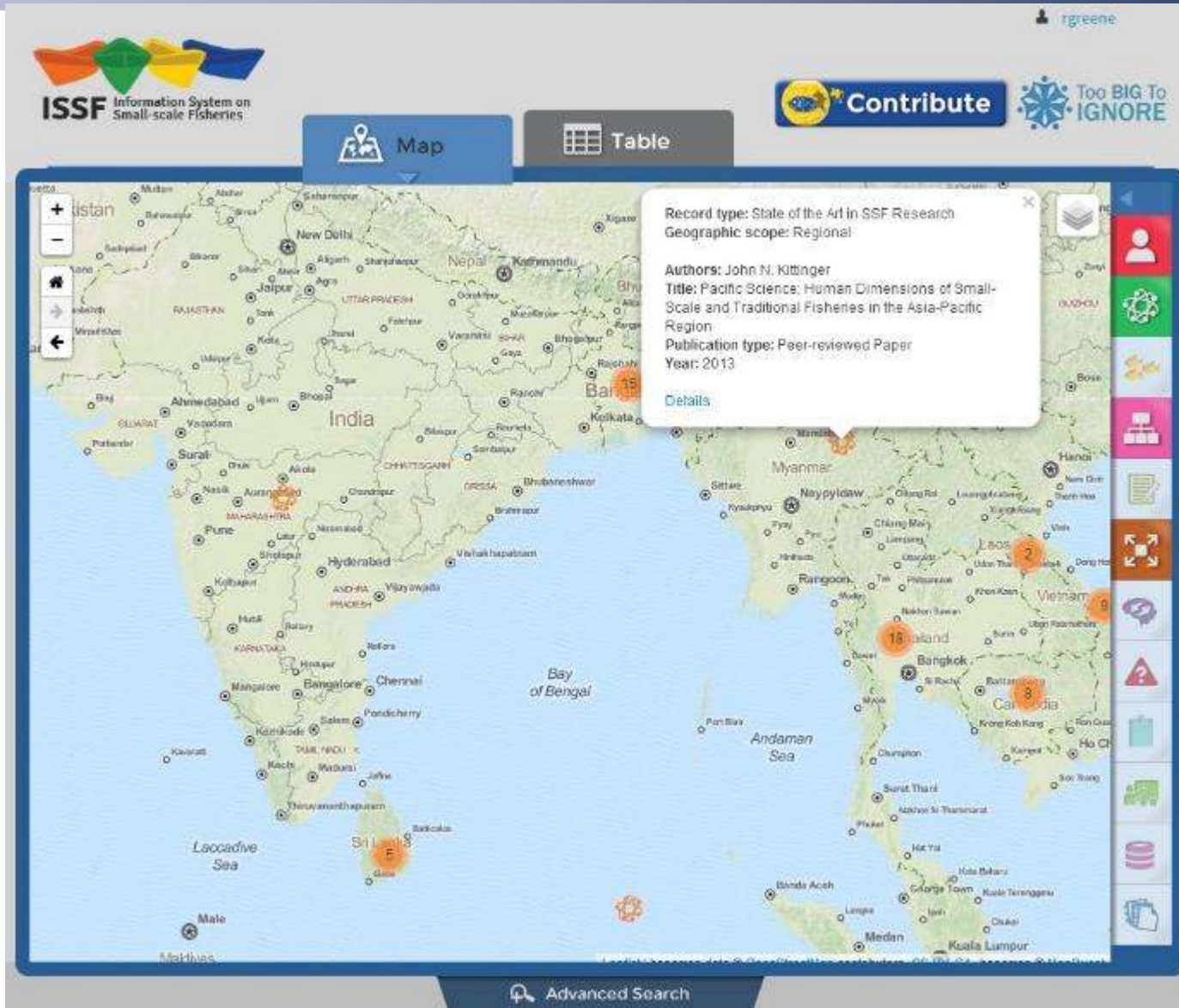
Top Contributors:

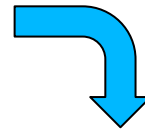
- Mare Loehme: Natural scientist [more...]
- Mare Loehme: Social scientist [more...]
- Mare Loehme: Wood scientist [more...]

Recent Contributions:

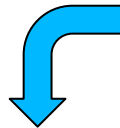
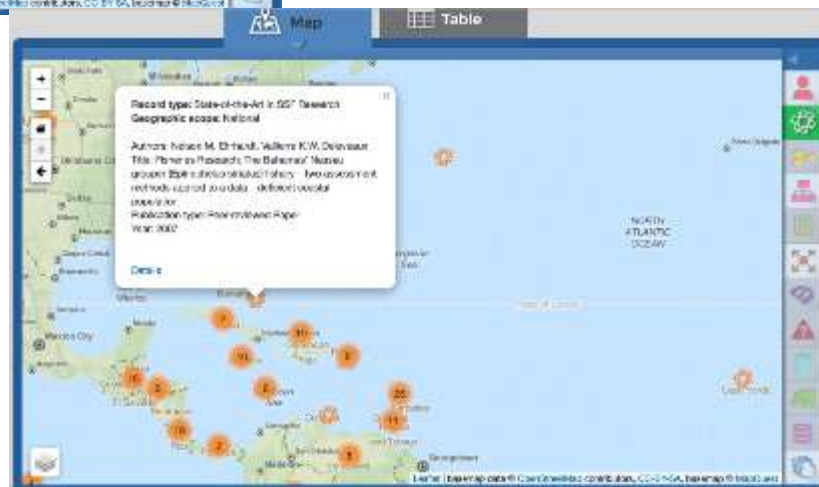
- Contribution Title: governance [more...]
- Contribution Title: Social [more...]
- Contribution Title: economic [more...]

Information Discovery – Map view





From a pin on a map...



... to the more complex story

State-of-the-Art in SSF Research

Details

Publication type	Peer-reviewed Paper
Journal/book/report/newsletter/conference title	Fisheries Research
Article/chapter/item title (if applicable)	The Bahamas' Nassau grouper (Epinephelus striatus) fishery - two assessment methods applied to a data deficient coastal population
Year	2012
Author(s)	Nelson M. Elshardt, Victoria K.W. Coleman
Contributor	Victoria Coleman (Victoria Coleman)
Contribution date	12/04/2012
Editor	Victoria Coleman (Victoria Coleman)
Edited date	12/04/2012

System tutorials

Basic tutorial



THE BASICS

Sign up

1. Click 'Sign up' in the top left corner of the home screen
2. Enter a valid email address and create your password
3. An email will be sent to the address provided to verify your account
4. Open the email and follow the link provided
5. Fill in and your user profile and click submit

Contribute

1. Click one of the two blue 'Contribute' buttons featured on the home screen
2. Choose which dataset you would like to contribute to...
(We suggest the Who's Who Researcher Profile to start)
3. Fill in the information required and click submit*
4. Explore other datasets which you can contribute to
(Contributions can be updated and edited at any time)

Search & Explore



Advanced tutorial



1.1 The Map



1. Filter displayed data by dataset type
2. Show/Hide all datasets
3. Represents number of records at the location, clicking will expand to display all records
4. Symbols correspond to the dataset type on the right, clicking a symbol will cause an information bubble to appear
5. Redirects users to the record's main page which offers additional information
6. Zoom in and out of the interactive map
Hint: Use the wheel of your mouse or double click to achieve the same result
7. Return to the map's original zoom setting
8. Select alternate basemaps and overlays
- ★ Reveal the Advanced Search panel
Section 2 of the tutorial will provide further detail on this feature



Map



Table



Leaflet | basemap data © OpenStreetMap contributors, CC-BY-SA, basemap © MapQuest

Search

Export Data

Current Search Terms: None (showing all 2013 records)



 [Advanced Search](#)



Who's Who in SSF 

State-of-the-Art
in SSF Research 

SSF Profile 

SSF Organization 


Case Studies 

Capacity
Development 

Experiences 

SSF Guidelines 

Projects 

Training Courses 

Data Sources 

Show/Hide All 

Search

Export Data

Current Search Terms: None (showing all 2013 records)

 Advanced Search



Map



Table

Record type: Who's Who in SSF
Geographic scope: Regional

Name: Cecile Brugere
Primary Affiliation: Independent consultant, United
Kingdom
Country of Residence:

[Details](#)

Leaflet | basemap data © OpenStreetMap contributors, CC-BY-SA, basemap © MapQuest

Search

Export Data

Current Search Terms: None (showing all 2013 records)

 Advanced Search



Who's Who in SSF

Cecile Brugere | Independent consultant

Tweet

Details

Name	Cecile Brugere
Email	cecilebrugere@gmail.com
Primary institutional/organizational affiliation	Independent consultant
City/town	York
Country	United Kingdom
Contributor	cecilebrugere (Cecile Brugere)
Contribution date	01/19/2015

Geographic scope

Map

Researcher information

Themes/Issues

Economic	Food/Nutrition Security
	Institutional/Transaction Cost
Ecological	Traditional/local/scientific ecological knowledge
	Ecosystems (inc. services, resilience, etc.)
Social/Cultural	Development, social change, adaptation/coping strategies

0 Comments Sort by Oldest ▾

Add a comment...

Facebook Comments Plugin

Show 10 records

Record Type	Content Summary	Edited Date
Who's Who in SSF	Name: Salvador C Siu Navarro Primary Affiliation: IATTC, Panama Country of Residence: Panama	2016-01-26
SSF Profile	Fishery name: longline fishery Timeframe: 2005 Percent completed: 40%	2016-01-26
Who's Who in SSF	Name: Helven Naranjo-Madriral Primary Affiliation: National University of Costa Rica, Costa Rica Country of Residence: Costa Rica	2016-01-25
Who's Who in SSF	Name: Ellen Pecceu Primary Affiliation: Institute for Agricultural and Fisheries Research, Belgium Country of Residence: Belgium	2016-01-25
State-of-the-Art in SSF Research	Authors: Joonas Plaen Title: Status and resilience of small-scale fisheries in Europe: In the shade of the CFP reform and economic crisis; Critical insight into fisheries policies and its effects to small-scale fisheries in Estonia Year: 2015 Publication type: Book Chapter	2016-01-25
	Authors: Joonas Plaen Title: 2nd Small-Scale Fisheries Conference, Merida, Mexico; Fishers knowledge, power and	

Showing 1 to 10 of 2,014 records

Previous 1 2 3 4 5 ... 202 Next

Search

Export Data

Current Search Terms: None (showing all 2014 records)



Map



Table



Search

Export Data

Current Search Terms: None (showing all 2014 records)



Advanced Search

SSF Profile

Greenland Inshore Small-scale Fisheries (National) | 2010 ...

[Tweet](#)

Background


Name	Greenland Inshore Small-scale Fisheries (National)
SSF Defined?	Not explicitly
SSF Definition (if applicable)	Small-scale is defined legally by boat size, not by distance from the shore. Small-scale fishing vessels are not allowed to fish beyond 3 NM from shore, but naturally large-scale vessels are also fishing in the inshore, especially snow crab and scallop vessels Offshore, >3 miles off the coast Inshore, <3 miles inshore <6 = dingy >6 = IOK/ITQ = individuel omsættelig kvote / individual transferrable quota (Footnote 1*)
Data time frame	2010 - 2015
Contributor	hsnyder5147 ()
Contribution date	09/21/2015

- Download a 'fillable' PDF form in [English](#), [French](#), [Spanish](#), or [Portuguese](#) to see what information is required in an SSF Profile and to complete the form offline.
- [Click here for an example of an SSF profile: Pontal do Parana, Brazil.](#)

**78%
completed**

0 Comments Sort by [Oldest](#)

Add a comment...

 Facebook Comments Plugin

Geographic Scope

National Greenland ,

Main Characteristics



Name	Value	Units
SSF type(s):	Indigenous	
	Commercial	
	Subsistence	
Ecosystem type(s):	Marine	
Ecosystem detailed type(s):	Coastal	
	Deep sea	
	Fjord	
Term(s) used to refer to SSF:	Coastal	
	Indigenous	
	Inshore	
	Small-boat	
	Subsistence	
	Traditional	
Main gear type(s):	Gillnets and entangling nets	
	Hooks and lines	
	Other: Cod Trap (net, corral-type)	
	Other: Longline	
Main SSF vessel type(s):	Fibreglass	
Average length of SSF vessel:	6	Metres
Typical engine size (HP):	100	Horsepower
Typical number of crew:	2	Crew members

profile: Pontal do Parana, Brazil.

78%
completed

0 Comments Sort by Oldest ▾

Add a comment...

 Facebook Comments Plugin



Contribute

Please select the dataset associated with the information you would like to contribute.

Before contributing a new record, please explore/search using the [table](#) and [map](#) to see if it already exists.

After submitting, you will be redirected to the record's page where you can add additional information.



Who's Who in SSF



State-of-the-Art in
SSF Research



SSF Profiles



Organizations



Case Studies



Capacity
Development



Experiences



SSF Guidelines



Projects



Training Courses

SSF Profiles

Step 1. Please provide basic details of the profile

* indicates required fields

1A. *Name of fishery:

2B. *Time frame begin year:

Time frame end year:

4B. *SSF defined?

SSF Definition (if applicable):

*Contributor (note: this is the only person, other than ISSF staff, who can edit the record):

Submit ▲



Map



Table



Search

Export Data

Current Search Terms: None (showing all 2014 records)

Advanced Search

File Home Insert Page Layout Formulas Data

Paste Cut Copy Format Painter

Clipboard Font

Calibri 11 A A B I U A

A1						
A	B	C	D	E	F	
1	issf_core	question	attribute	value	attribute	units
2	2128	1B	SSF type(s):	Commercial		
3	2128	1B	SSF type(s):	Subsistence		
4	2128	3A	Ecosystem type(s):	Brackish		
5	2128	3A	Ecosystem type(s):	Marine		
6	2128	3B	Ecosystem detailed	Archipelago		
7	2128	3B	Ecosystem detailed	Beach		
8	2128	3B	Ecosystem detailed	Coastal		
9	2128	3B	Ecosystem detailed	Coral reef		
10	2128	3B	Ecosystem detailed	Estuary		
11	2128	3B	Ecosystem detailed	Mangrove		
12	2128	4A	Term(s) used to refe	Small-sc		
13	2128	5	Main gear type(s):	Traps		
14	2128	6A	Main SSF vessel type	Un-deck		
15	2128	6A	Main SSF vessel type	Wooder		
16	2128	6A	Main SSF vessel type	Other		
17	2128	6B	Average length of SSF vessel			
18	2128	6C	Typical engine size (HP):			
19	2128	6D	Typical number of crew:			
20	2128	6E	Number of day fishing per ye			
21	2128	7A	Total number of SS fishers:			
22	2128	7B	Percent of SS fishers full-tim			
23	2128	7C	Percent of SS fishers women			

ISSF Information System on Small-scale Fisheries

Contribute

Map Table

Search Export Data

Current Search Terms: None (showing all 2014 records)

Advanced Search

Name	Type	Compressed size
capacity	Microsoft Excel Comma S...	4 KB
guidelines	Microsoft Excel Comma S...	26 KB
organization	Microsoft Excel Comma S...	114 KB
profile	Microsoft Excel Comma S...	190 KB
profile_characteristics	Microsoft Excel Comma S...	366 KB
state_of_the_art	Microsoft Excel Comma S...	2,346 KB
whos_who	Microsoft Excel Comma S...	174 KB

profile_characteristics

Tips

Know exactly what you are looking for in ISSF but cannot find it? Used our Advanced Search engine found at the bottom of the map to get the results you need.

[Archive](#)

Frequently Asked Questions (FAQ)

Sign Up



Contribute



Datasets



Export

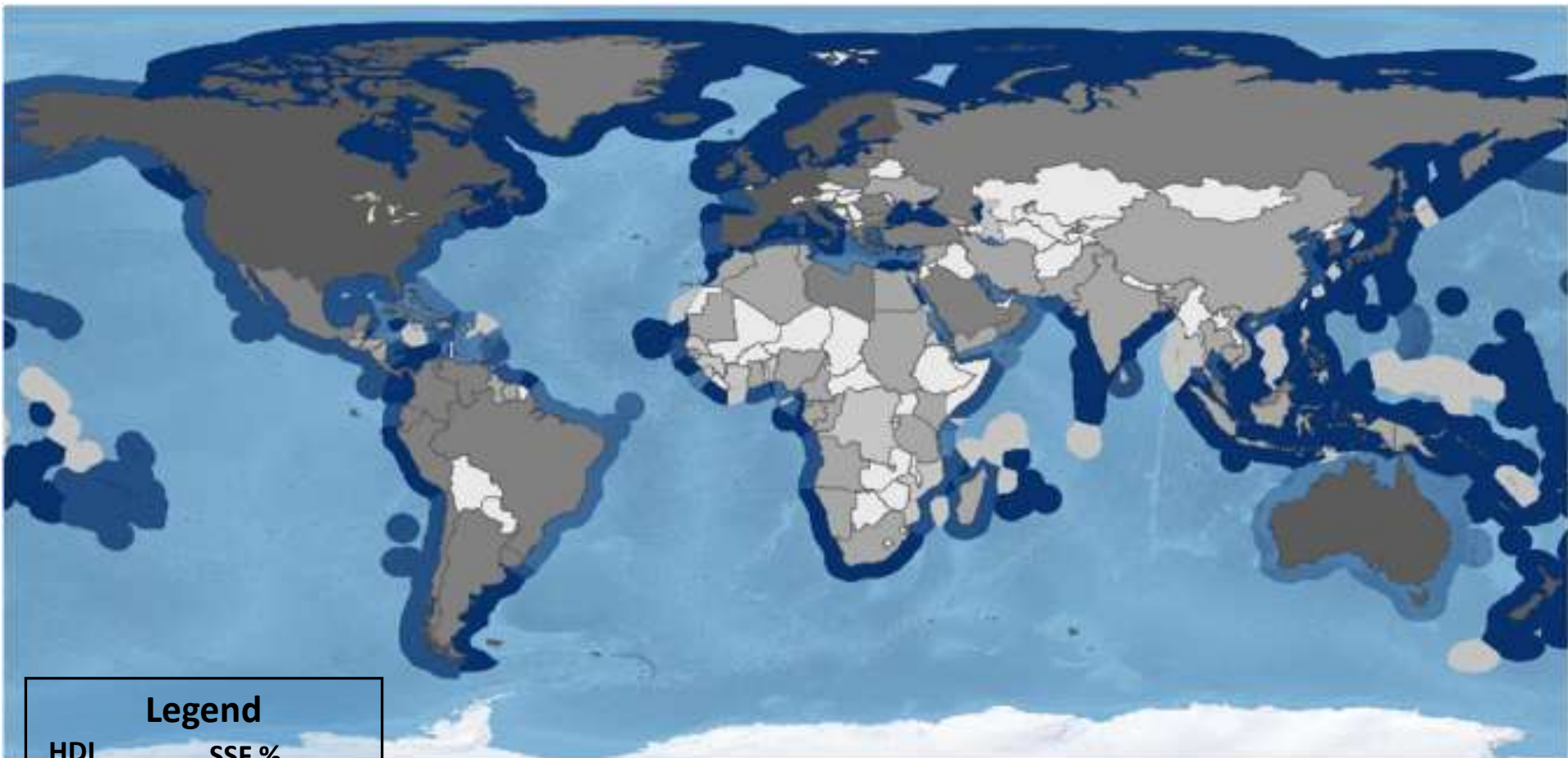


Videos

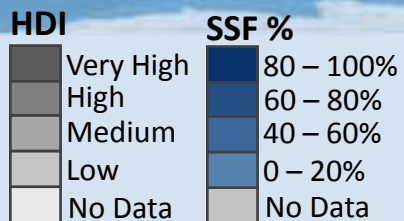
1. **Introduction** - Introduction to the Information System on Small-scale Fisheries (ISSF) 2. **Sign Up** - Tutorial video explaining how to create an account on ISSF



Small-scale fisheries are too big to ignore!

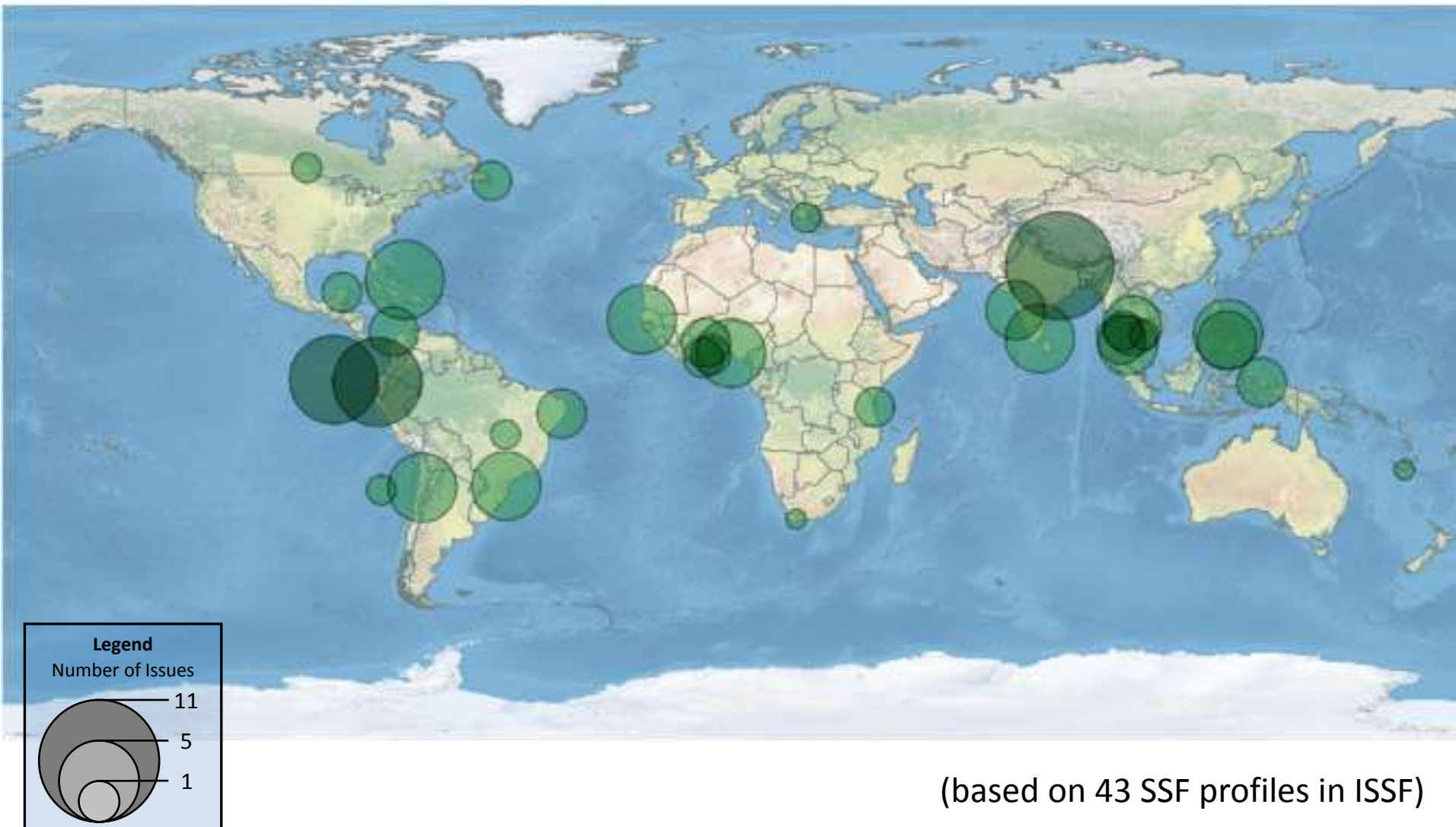


Legend

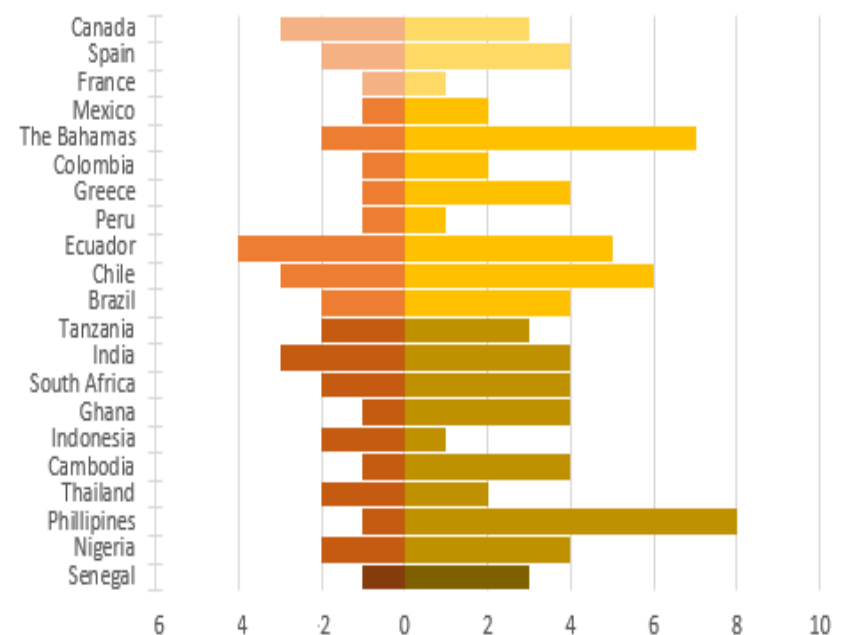
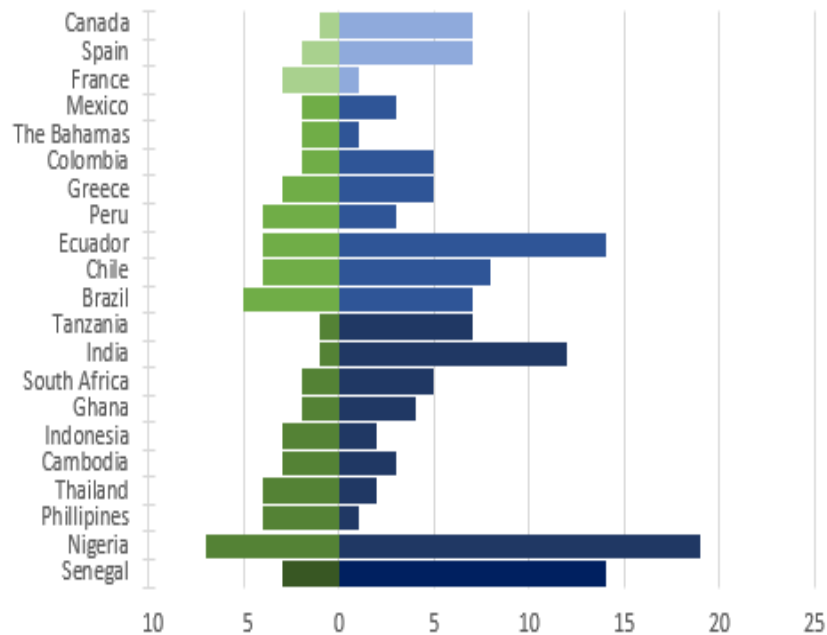


Calculated using catch estimates from Sea Around Us Project

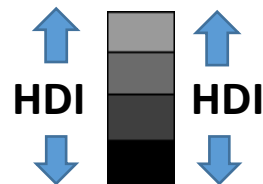
Many small-scale fisheries face several issues affecting their livelihoods and viability



Small-scale fisheries are very complex (ecologically and socially)



 Ecosystem type  Species



 Vessel type  Gear type

(based on 43 SSF profiles in ISSF)