

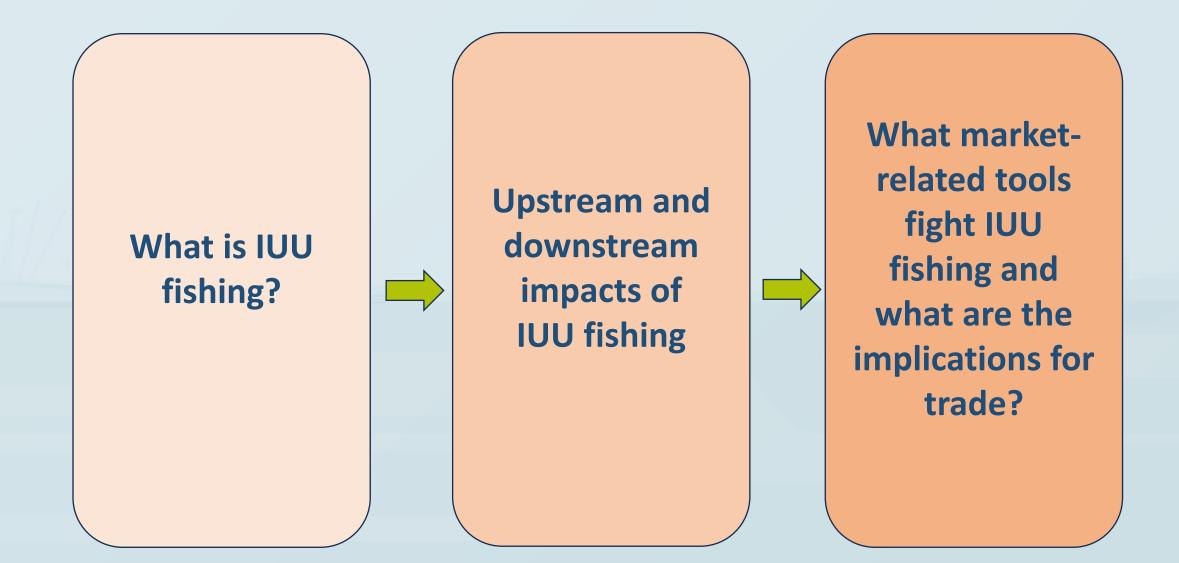
Food and Agriculture Organization of the United Nations

Fishing Global and Regional Processes Team Fisheries Division Food and Agriculture Organization of the United Nations

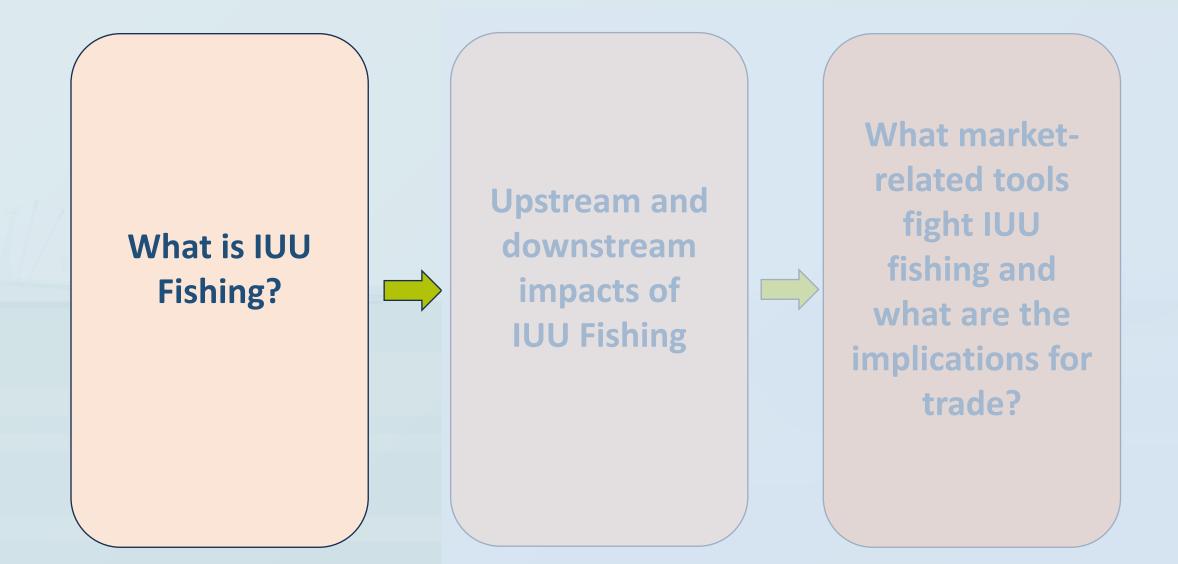
Session 8.3 – Illegal, Unreported and Unregulated (IUU) Fishing

Shelley Clarke (shelley.Clarke@fao.org)

### **Introduction and Overview**

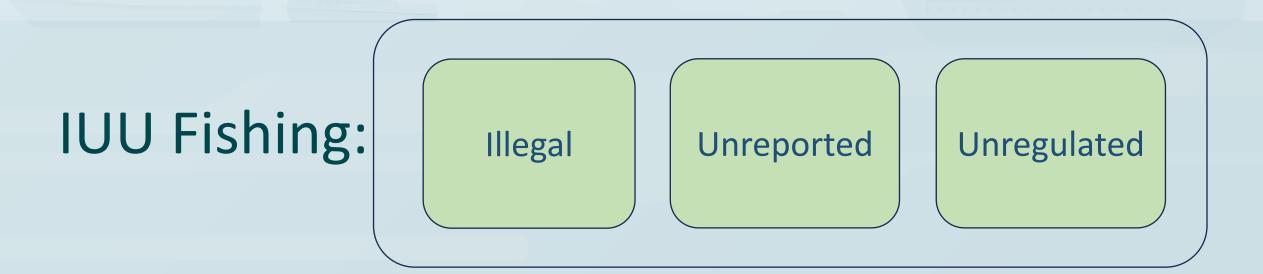


### **Introduction and Overview**

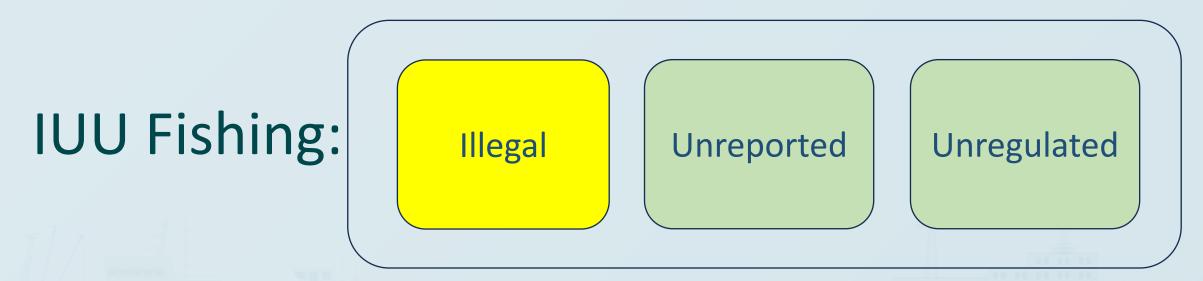


## **Definition of IUU Fishing**

- International attention became focused at FAO Committee on Fisheries (COFI) in 1999
- Produced and adopted an International Plan of Action – IUU in 2001 which contains a definition



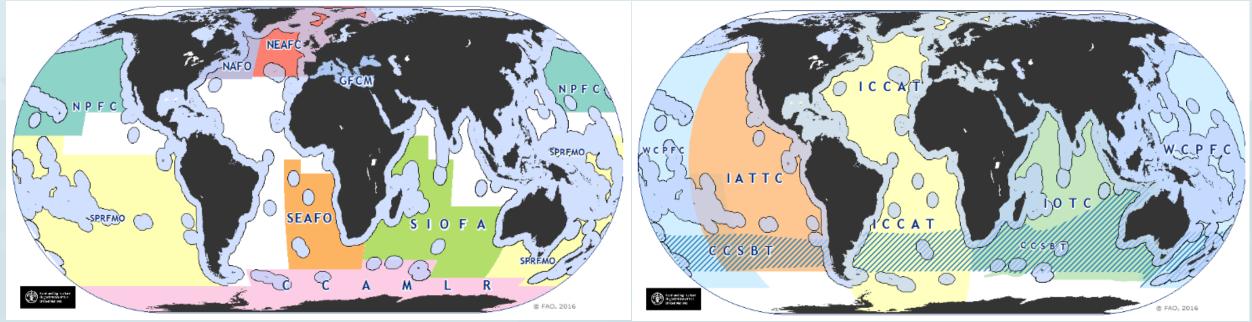
### **Illegal Fishing**



- Fishing activities conducted without permission or in contravention of:
  - National laws and regulations
  - International law and obligations
  - Conservation and management measures of an RFMO

### What is an RFMO?

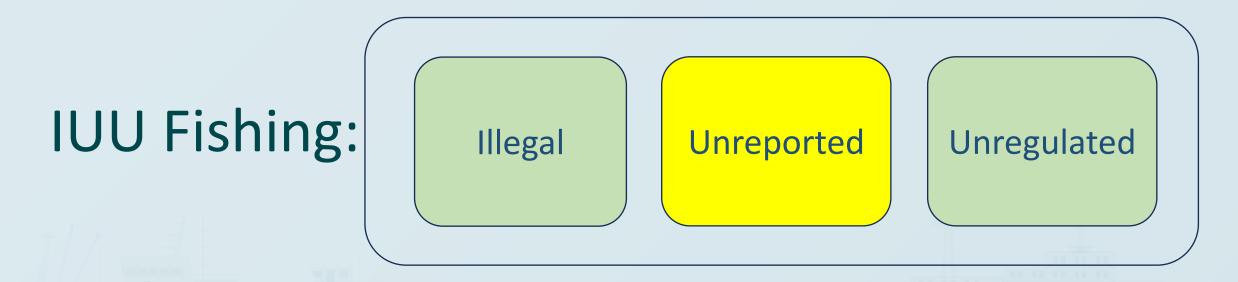
 Regional fisheries management organizations (RFMOs) aim to ensure the sustainability of fish stocks through international cooperation.



### **MULTI-SPECIES RFMOs**

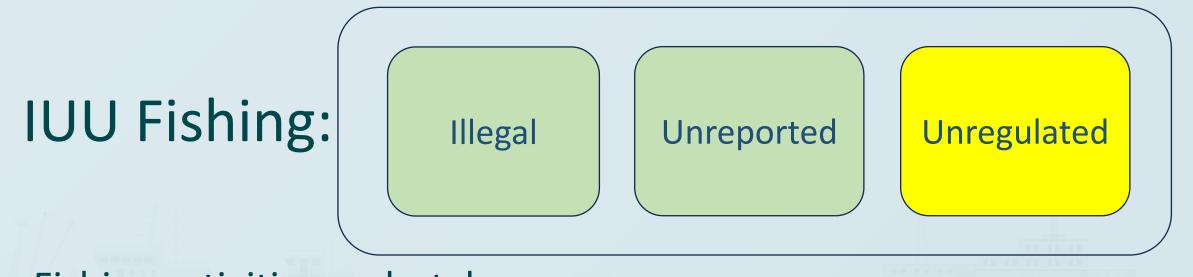
**TUNA RFMOs** 

### **Unreported Fishing**



- Fishing activities which have not been reported or misreported (in contravention of laws/regulations/procedures) to:
  - The relevant national authority
  - The relevant RFMOs

### **Unregulated Fishing**



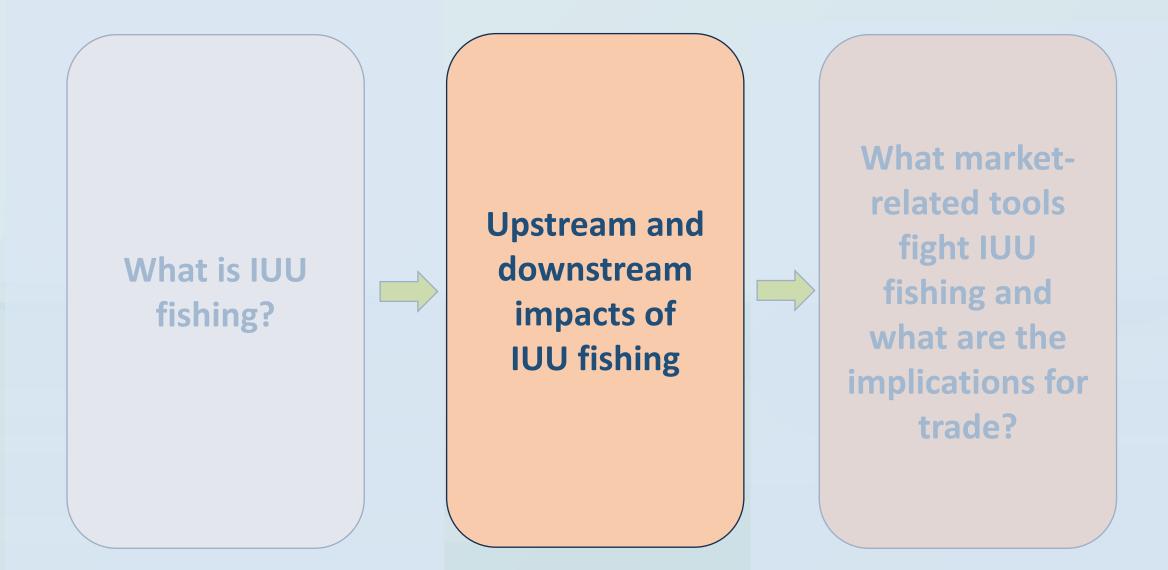
- Fishing activities undertaken:
  - On the high seas, by vessels which are stateless, or whose flag is outside RFMO structure (or otherwise not compliant)
  - In national waters, but contrary to international law and not regulated by the State

Mentimeter #1

# Opinions on the Importance of IUU Fishing (Questions 1-3)



### **Introduction and Overview**



### Estimating the Worldwide Extent of Illegal Fishing

David J. Agnew<sup>1</sup>\*, John Pearce<sup>2</sup>, Ganapathiraju Pramod<sup>3</sup>, Tom Peatman<sup>2</sup>, Reg Watson<sup>3</sup>, John F eddington<sup>1,4</sup>, Tony J. Pitcher<sup>3</sup> ivision of Biology, Impetial College London, London, United Kinadom, 2MBAG 1td, London, United Kinadom, 3 Fisheries Centre

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Canada, 4 United Kingdom Go

llegal and unreported fishing contributes to overexploitation of fish stocks and is a hindrance to the recovery of fish populations and ecosystems. This study is the first to undertake a world-wide analysis of illegal and unreported fishing. n in 54 countries and on the high seas, we estimate that lower and upper estimates of t unreported fishing losses worldwide are between \$10 bn and \$23.5 bn annually, nes. Our data are of sufficient resolution to detect regional differ tches. Such levels of exploitation severely hamper the esses in reducing the level of illegal fishing in some areas, the

sity of California San Diego, United States of Americ

eceived December 4, 2008: Accepted January 15, 2009: Published February 25, 2009 009 Agnew et al. This is an open-access article distributed under the terms of the Creative Com distribution, and reproduction in any medium, provided the original author and source are credited artment for Environment, Food and Ruzal Affairs and the UK Departme aritable Trusts. The funders had no role in study design, data collectio

nature COMMUNICATION

ARTICLE

Received 27 Feb 2015 Accepted 19 Nov 2015 | Published 19 Jan 2016 Catch reconstructions reveal that global marine fisheries catches are higher than reported and declining Daniel Pauly<sup>1</sup> & Dirk Zeller

mbled by the Food and Agriculture Organization (FAO) suggest that glo marine fisheries catches increased to 86 million tonnes in 1996, then slightly declined. Here, using a decade-long multinational 'catch reconstruction' project covering the Exclusiv Economic Zones of the world's maritime countries and the High Seas from 1950 to 2010, and nting for all fisheries, we identify catch trajectories differing considerably from th ational data submitted to the FAO. We suggest that catch actually peaked at 130 million s, and has been declining much more strongly since. This decline in reconstructed atches reflects declines in industrial catches and to a smaller extent declining discards, pite industrial fishing having expanded from industrialized countries to the waters of developing countries. The differing trajectories documented here suggest a need for improved

ring of all fisheries, including often neglected small-scale fisheries, and illeg

### SCIENCE ADVANCES | RESEARCH ARTICLE

her problematic fisheries, as well as discarded bycatch

SOCIAL SCIENCES

Illicit trade in marine fish catch and its effects on ecosystems and people worldwide

salla<sup>1</sup>\* D. Zeller<sup>2</sup> I. Hood<sup>2</sup> M. I. D. Palomares<sup>3</sup> Y. L<sup>4</sup> D. Pauly<sup>2</sup>

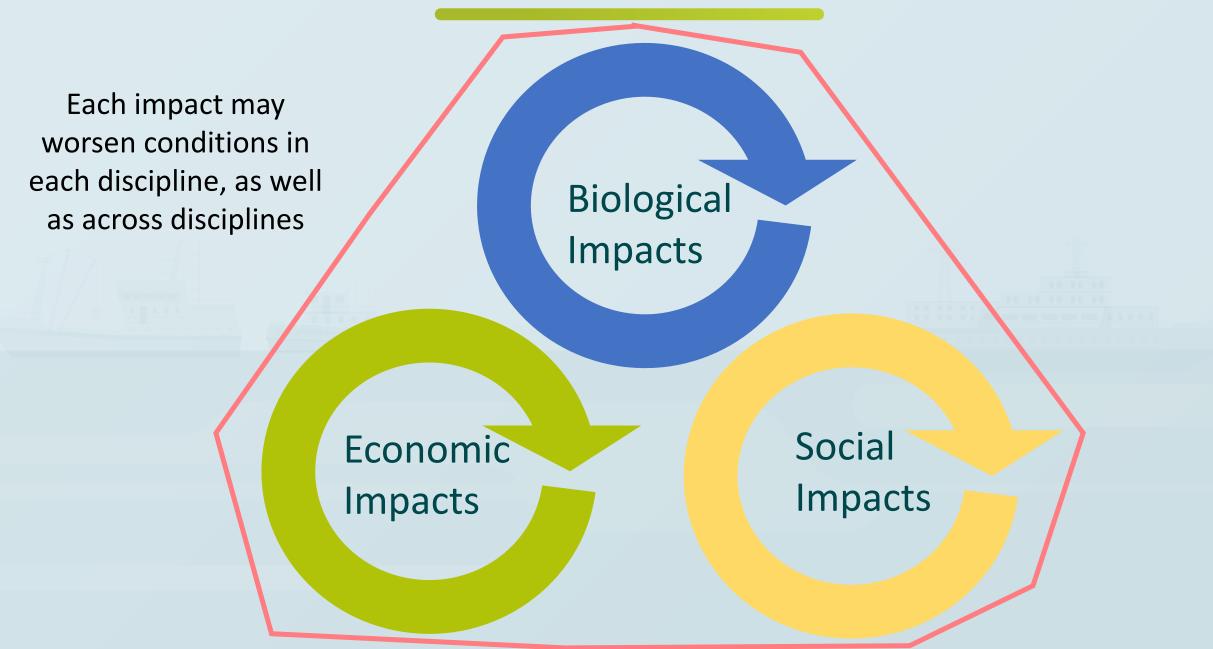
pread- it is therefore likely that illicit trade in marine fis d to curb this illicit trade

JUCTION unreported, and unregulated (IUU) (1) fishing is global in fishing boats onto large freezer and processing ships at exa. This but more widespread in certain regions (2-3). This implies rtant negative driver that needs to be noney, goods or value gained

**Dimensions of IUU Fishing** 

- First estimates focused on the period 2000-2003 and included illegal and unreported fishing only
- Although estimates are highly uncertain they suggest tens of million tonnes of catch and tens of billion USD of revenue are lost to IUU fishing each year (seafood industry worth 135 billion USD)
- A more recent study found that diversion of I&U catches from the market reduced gross revenues by USD 9-17 billion with additional losses of USD 34-67 billion due to secondary economic impacts

### IUU Fishing impacts are more than just fish



## Consequences of IUU Fishing From an Economic Perspective

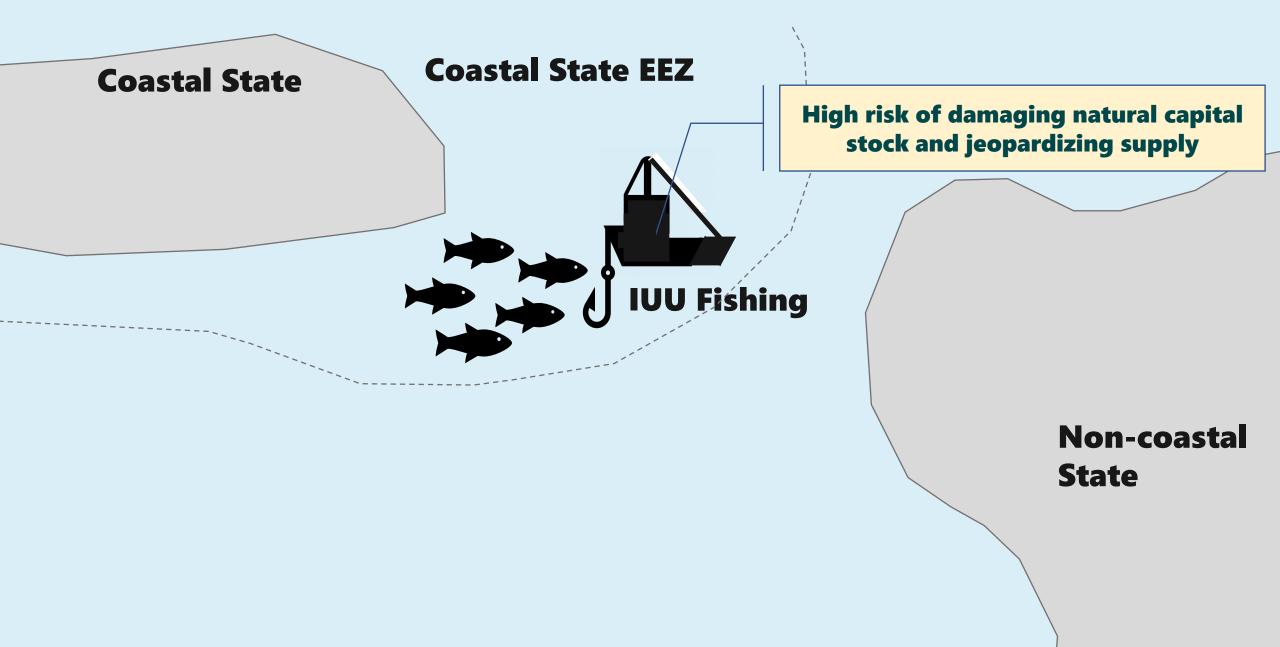
### **Damage to Natural Capital Stock**

- IUU fishing outside the legitimate fisheries management system, "borrows" from the natural asset, reducing yields
- Higher risk to food security in the long-term (returns fall below a minimum level)
- Higher risk of ecosystem degradation (system collapse)

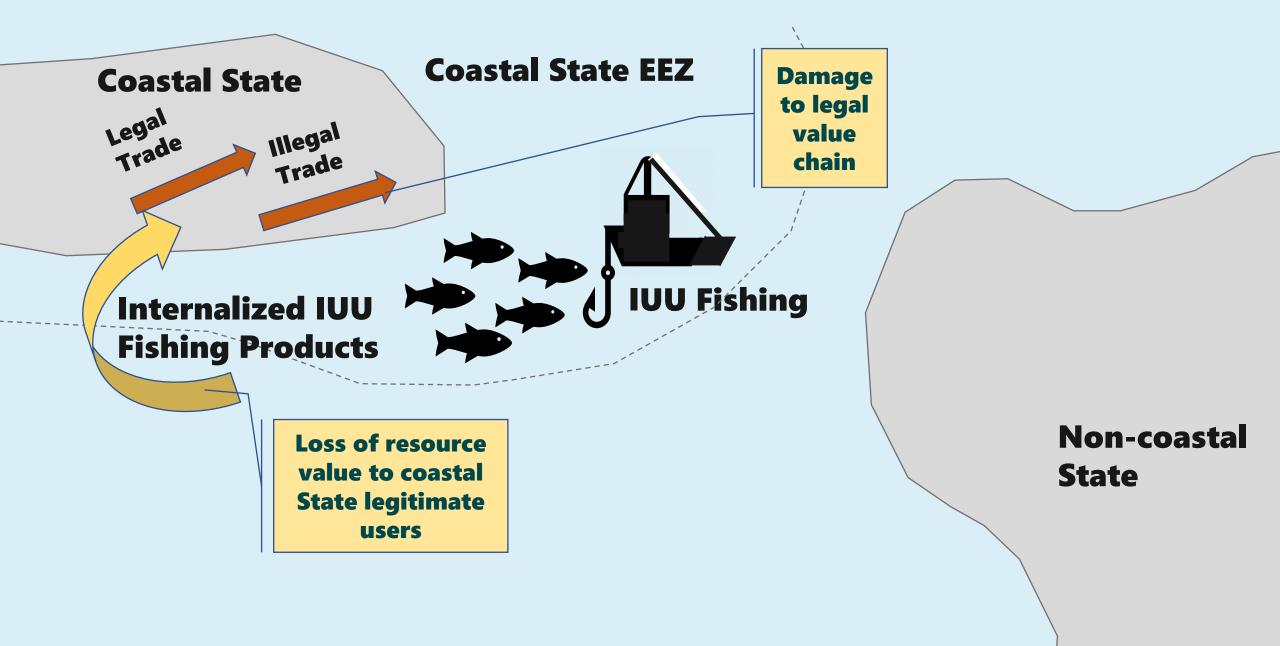
### Damage to the Value Chain

- Losses to direct and indirect actors in the value chain (processing, storage, transport, sales)
- Disruption to food supplies (competition, inefficiency)
- Potential to bypass food safety systems

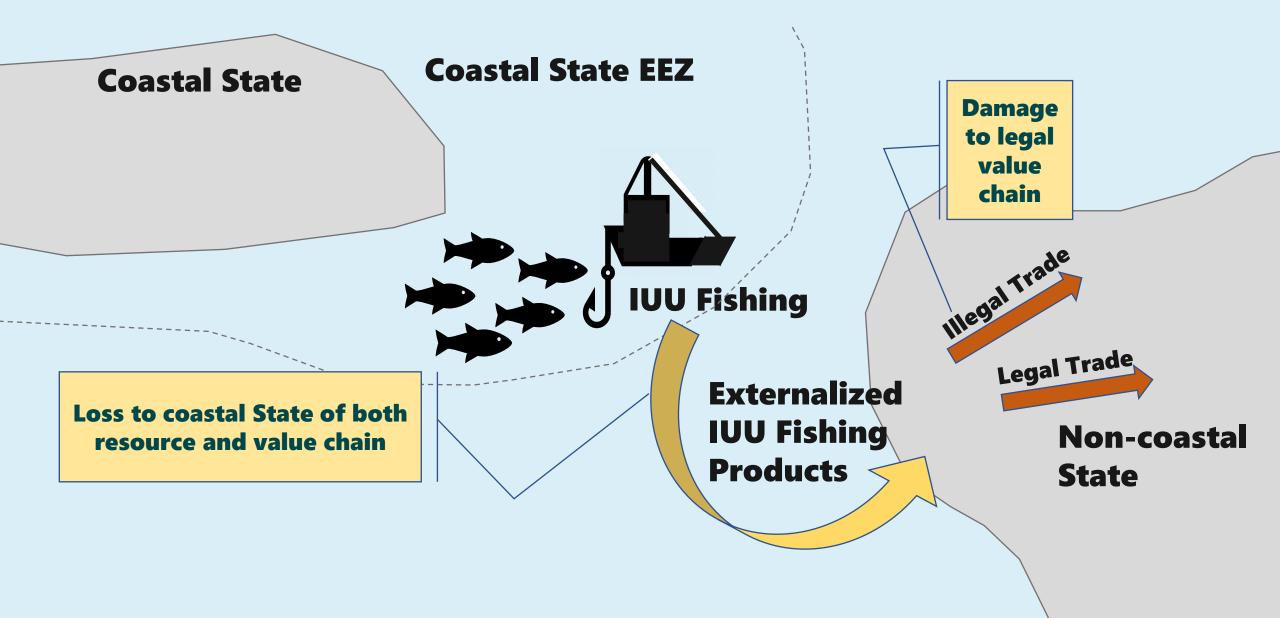
# **Economic Consequences of IUU Fishing**



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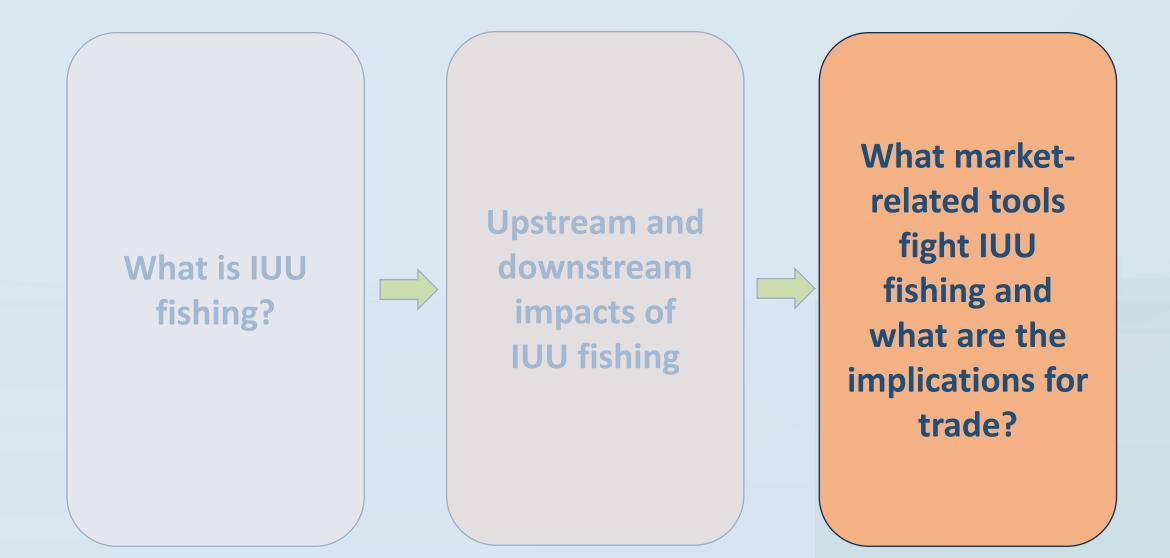




# Concerns about the consequences of IUU Fishing (Question 4)



### **Introduction and Overview**



Market-related Tools for Combatting IUU Fishing

- Catch Documentation
  Schemes (CDS)
- 2. Voluntary Guidelines for Transshipment (VGT)
- 3. Port State Measures Agreement (PSMA)



Source: vecteezy.com

### What is a Catch Documentation Scheme?

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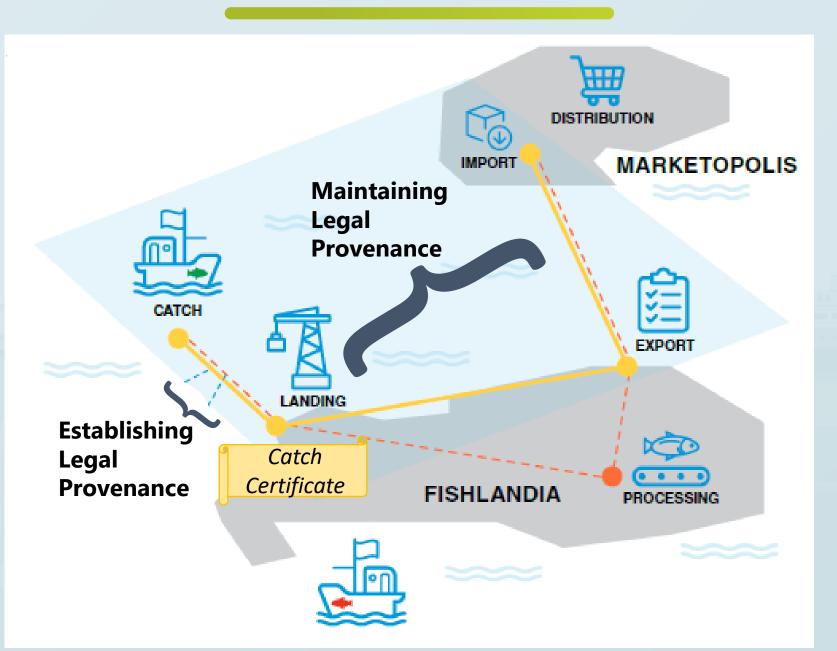




2017

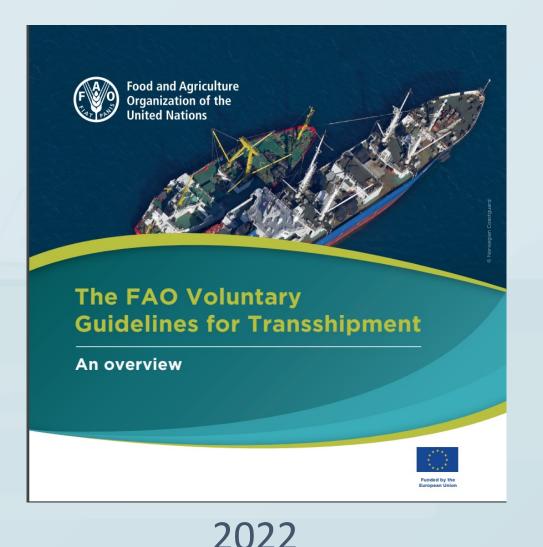
- Catch certificates document whether catches are legally fished ("legal provenance")
- -AND-
- Allow that information to be shared between trading partners

### **CDS** as a Tool for Showing Legal Provenance



# What are the Voluntary Guidelines for Transshipment?





- Minimum international standards to regulate, monitor and control transshipments of fish
- Provides the basis for regional and national regulations
- Offers clarity on separating "transshipment" and "landing"

### **VG-Transshipment Requirements**





Due Diligence

Monitoring & Documentation

No longer any loophole for "in

transit", "containerization", etc.

Reporting

- VMS/IMO
- Global Record / RFMO authorized lists
- Under an observer programme
- Flagged by a Party or Cooperating non-party of RFMO

### During

- Prenotification to relevant actors
- Authorized by relevant actors
- Follow operational procedures

### After

- Provide a transshipment declaration
- · Deliver the declaration to relevant actors

### If not a Transshipment

- Provide a landing declaration
- Deliver the declaration to relevant actors

### What is the Port State Measures Agreement?





Food and Agriculture Organization of the United Nations

Organisation des Nations Unies pour l'alimentation et l'agriculture

Organización de las Naciones Unidas para la Alimentación y la Agricultura

AGREEMENT

ON PORT STATE MEASURES TO PREVENT, DETER AND ELIMINATE ILLEGAL, UNREPORTED AND UNREGULATED FISHING

### ACCORD

RELATIF AUX MESURES DU RESSORT DE L'ÉTAT DU PORT VISANT À PRÉVENIR, CONTRECARRER ET ÉLIMINER LA PÊCHE ILLICITE, NON DÉCLARÉE ET NON RÉGLEMENTÉE

Revised edition

Édition révisée Edición revisada

### ACUERDO

SOBRE MEDIDAS DEL ESTADO RECTOR DEL PUERTO DESTINADAS A PREVENIR, DESALENTAR Y ELIMINAR LA PESCA ILEGAL, NO DECLARADA Y NO REGLAMENTADA

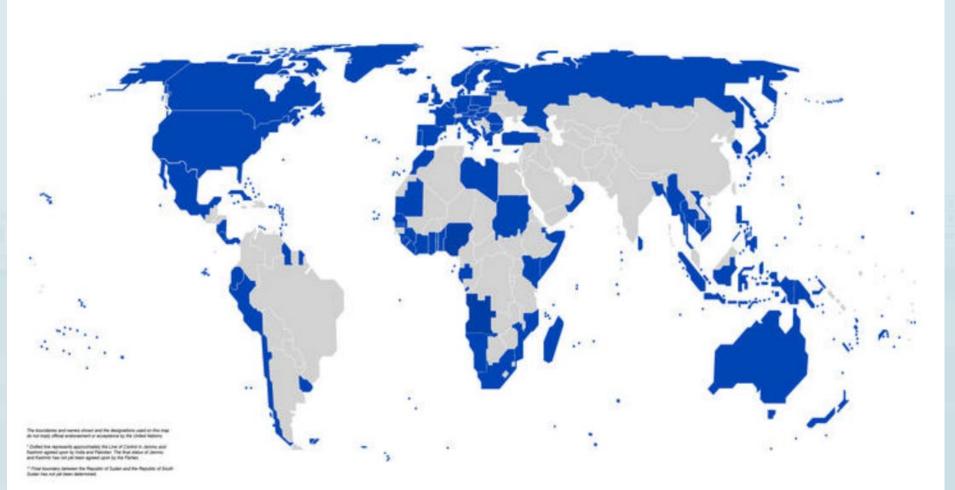


- Designed to prevent vessels engaged in IUU fishing from using ports and landing their catches
- Serves as the first line of defense for markets and value chains
- Requires designated ports, advance notice, inspections, information exchange (GIES)

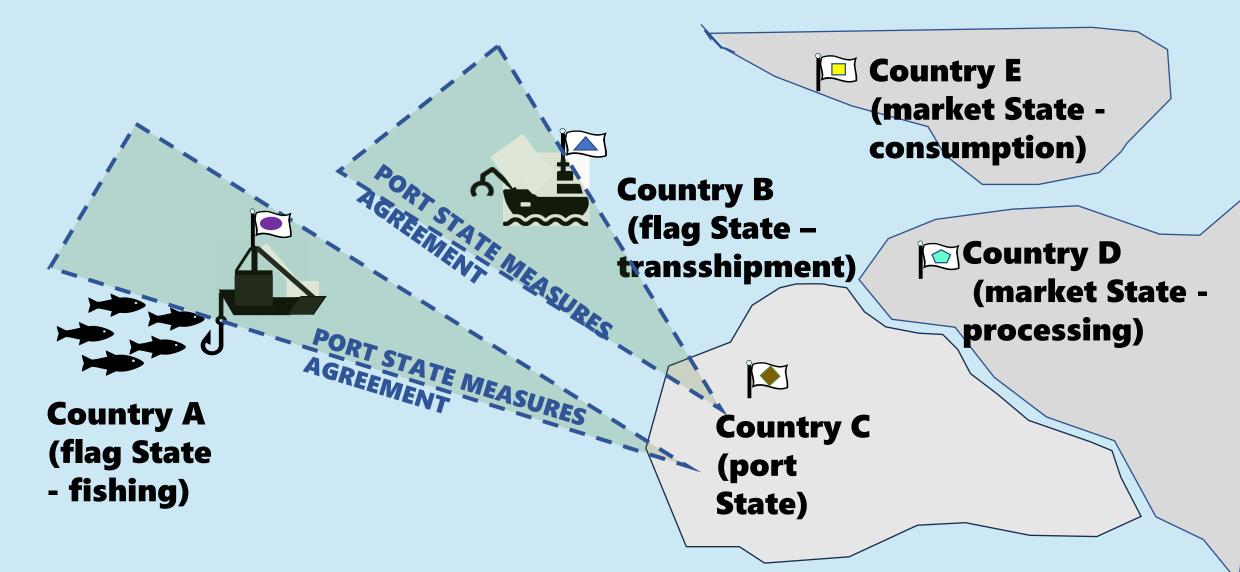
2016

### **79 Current Parties to the PSMA**

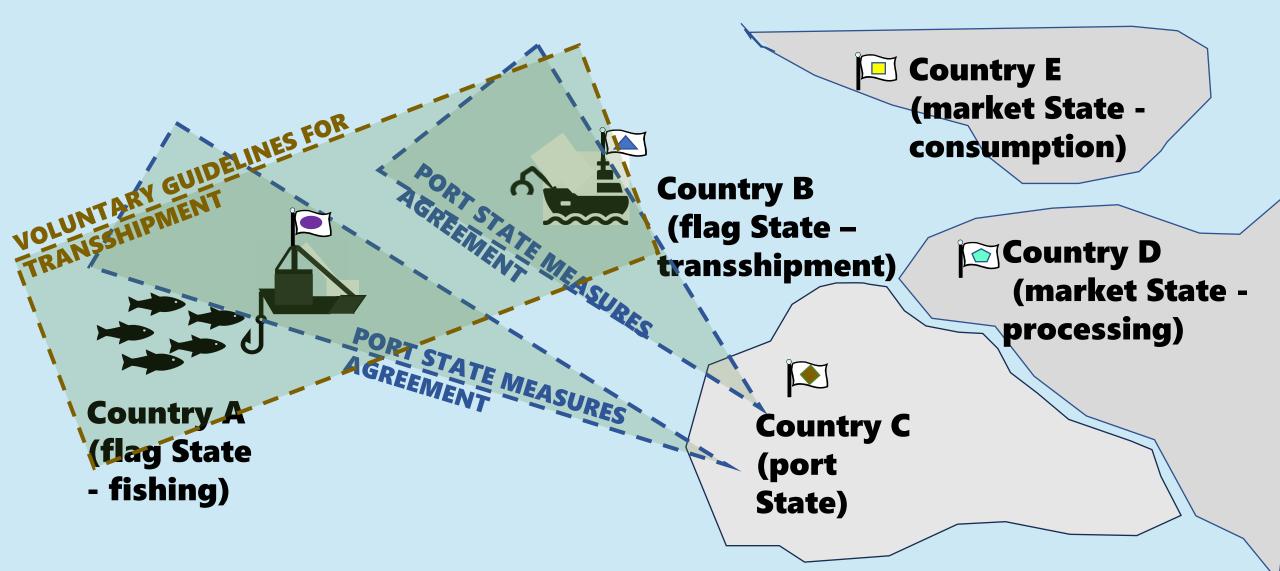


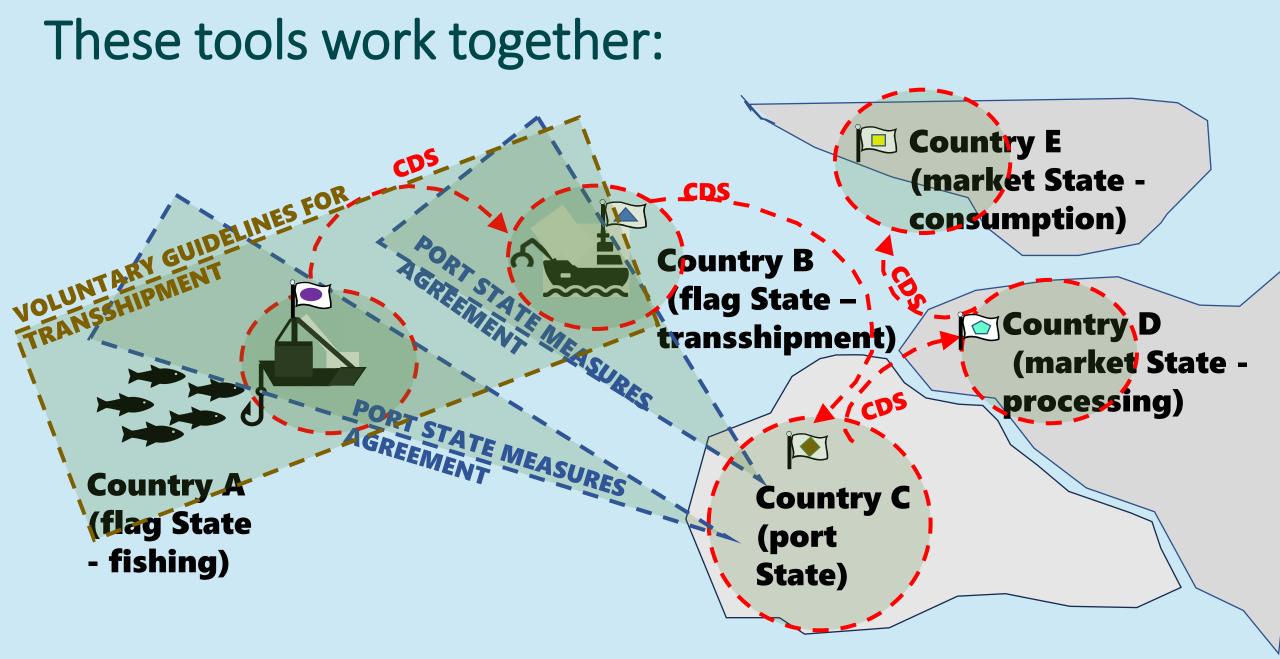


## These tools work together:



# These tools work together:





## **Implications for Trade**

- All of these tools designed to fight IUU fishing can affect trade...
- Negative consequences of improper implementation:
  - Economic losses and decrease in market share for industry
  - Closing down of related hubs and logistics services
  - Reputational damage to future investment



## **Implications for Trade**

- On the other hand, applying these tools properly can have major benefits...
- **Positive** consequences of proper implementation:
  - Maximize value by allowing entry to any market without delay
  - Enhance national reputation as a trading partner
  - Reinforce the benefits of sustainable fisheries





# Impacts of IUU Fishing on Markets (Questions 5-7)



### **Summary and Main Messages**

- IUU fishing is more than simply illegal fishing unreported and unregulated catches are also a problem
- IUU fishing damages stocks, legitimate stakeholders and markets losses are large and wide-ranging
- National and international controls on catch documentation, transshipment and landing are tightening – for suppliers and buyers
- States should ensure that a) fish caught or handled by vessels flying their flag have legal provenance, and b) the products of IUU fishing, whether by domestic or foreign-flagged vessels, are identified and prevented from entering markets
- This maximizes the value of trade, avoids disruptions and reinforces sustainability



Food and Agriculture Organization of the United Nations