



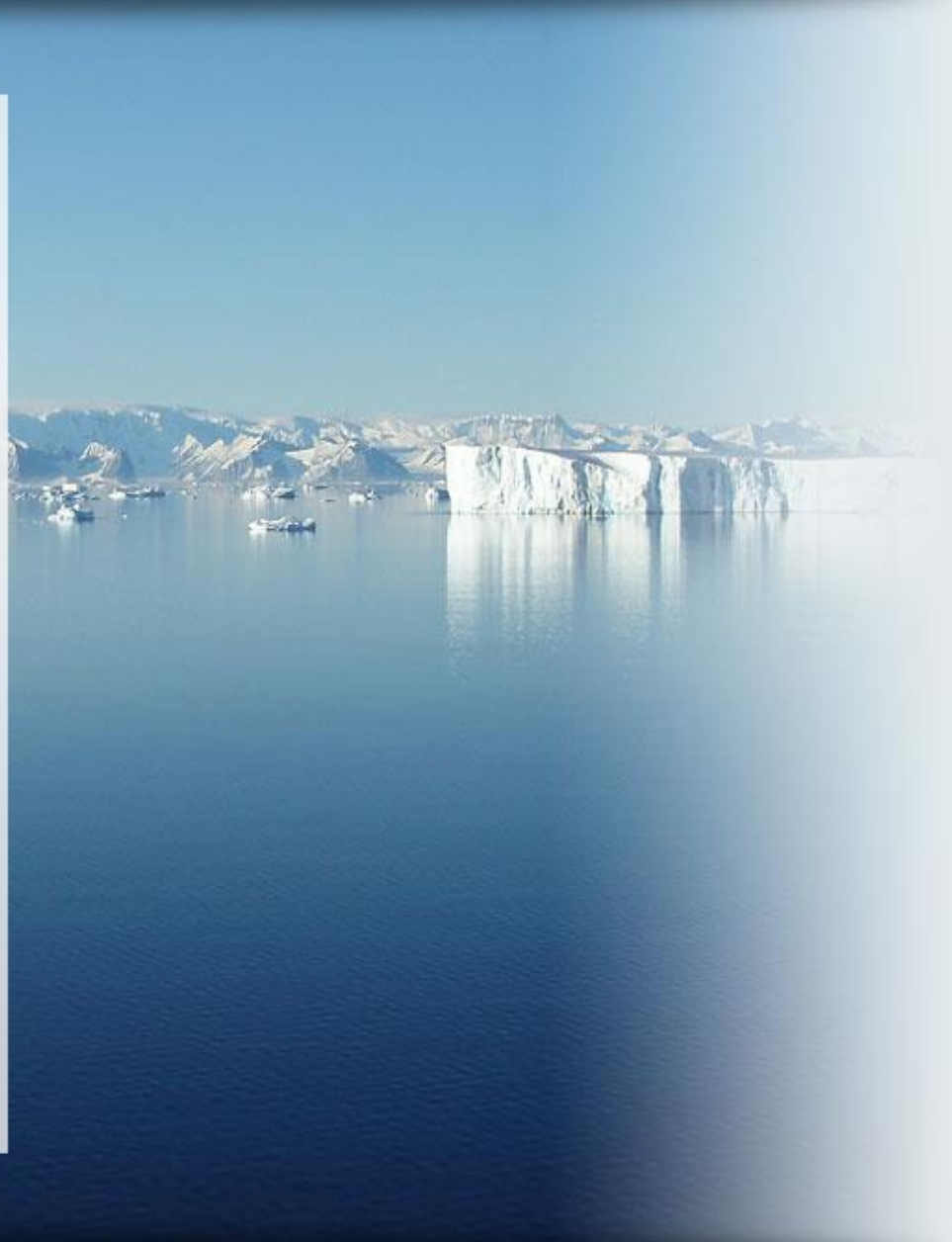
CCAMLR

Commission for the Conservation of Antarctic Marine Living Resources
Commission pour la conservation de la faune et la flore marines de l'Antarctique
Комиссия по сохранению морских живых ресурсов Антарктики
Comisión para la Conservación de los Recursos Vivos Marinos Antárticos

Catch Documentation Scheme, science data and unreported catches

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Online Global Fisheries Enforcement
Training Workshop
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Members of the Commission, Acceding States and cooperating non-contracting parties

26 Members

and

11 Acceding States

and

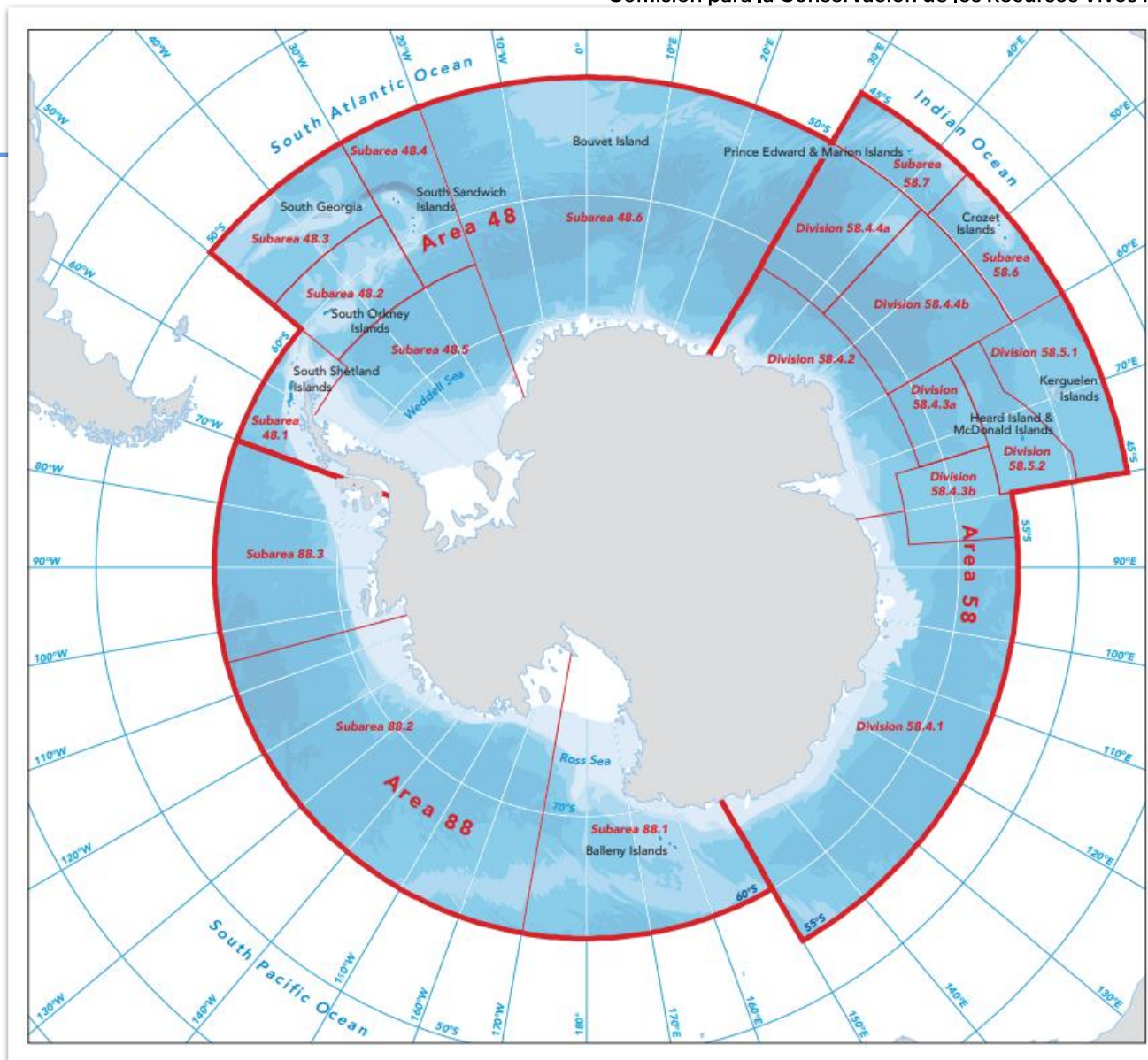
3 cooperating non-contracting parties

	Argentina		Namibia
	Australia		Netherlands
	Belgium		New Zealand
	Brazil		Norway
	Chile		Poland
	China		Russia
	EU		South Africa
	France		Spain
	Germany		Sweden
	India		Ukraine
	Italy		United Kingdom
	Japan		USA
	South Korea		Uruguay



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Catch Documentation Schemes

3 Multilateral

CCAMLR	–	Toothfish
ICCAT	–	Atlantic Bluefin Tuna
CCSBT	–	Southern Bluefin Tuna

2 Unilateral

European Union	–	All marine wild caught fish
United States of America	–	Atlantic Cod; Pacific Cod; Blue Crab; Red King Crab; Dolphinfish (Mahi Mahi); Grouper; Red Snapper; Sea Cucumber; Sharks; Swordfish; Tunas (Albacore, Bigeye, Skipjack, Yellowfin, and Bluefin); Abalone and Shrimp



Data – so much data

We have lots of it and we can call it a number of things:

- Data sets
- Data holdings
- Databases

Sometimes it duplicates

Generally it can all be linked together

So let's reconcile it!





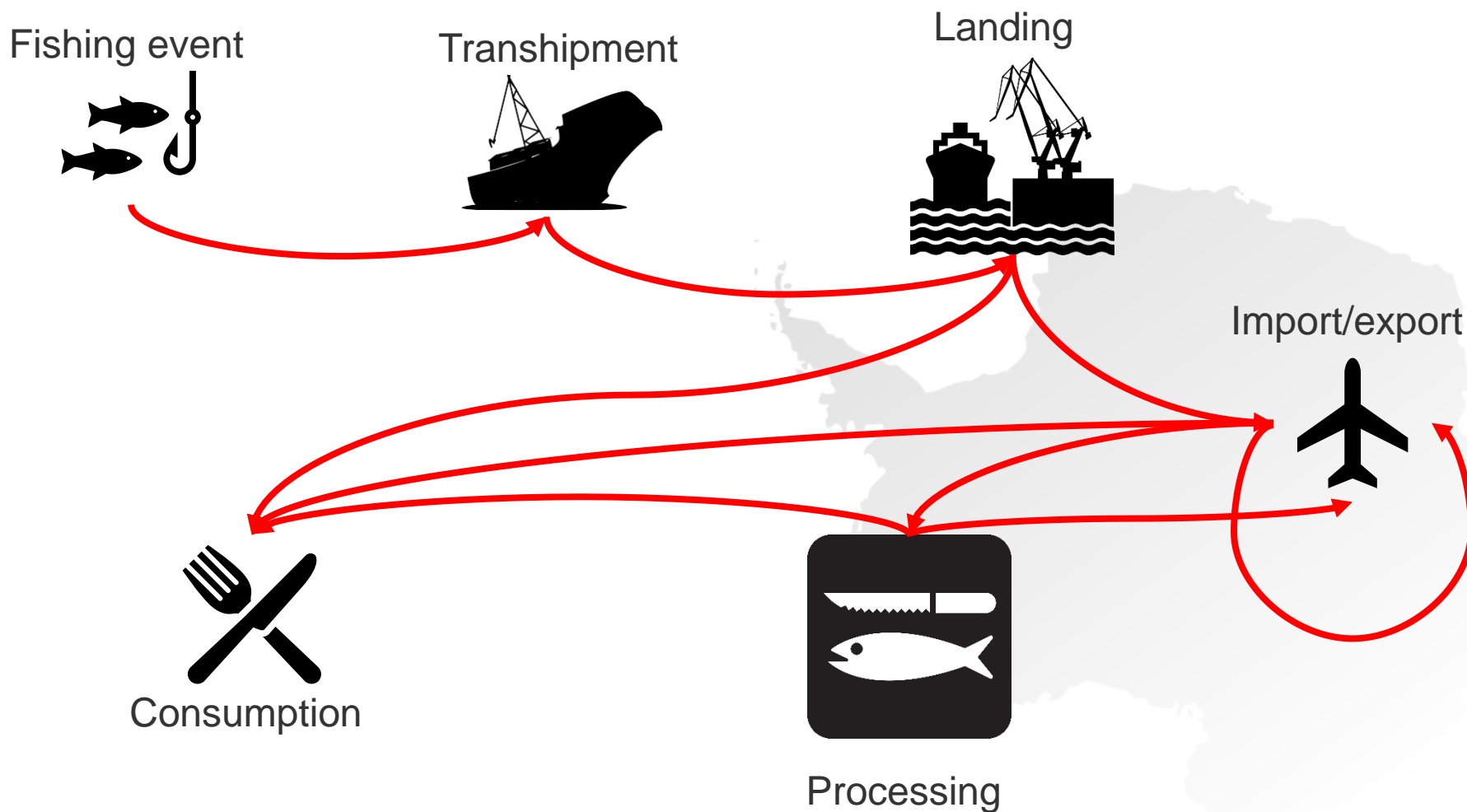
Catch Documentation Schemes – What is it?

"A system that tracks and traces fish from the point of capture through unloading and throughout the supply chain. A CDS records and certifies information that identifies the origin of fish caught and ensures they were harvested in a manner consistent with relevant national, regional and international conservation and management measures. The objective of the CDS is to combat IUU fishing by limiting access of IUU fish and fishery products to markets."

Report of the Expert Consultation on Catch documentation Schemes, FAO Fisheries and Aquaculture Report No. 1120, July 2015



Catch Documentation Schemes – What are we documenting?





Catch effort data

CCAMLR Conservation Measure 23-04

Monthly Fine-Scale Catch and Effort Data Reporting System for Trawl, Longline and Pot Fisheries

Information utilised from this dataset:

- Haul numbers
- Dates
- Times
- Location
- Species
- Reported catch weights
- Reported product types





Reconciling the data

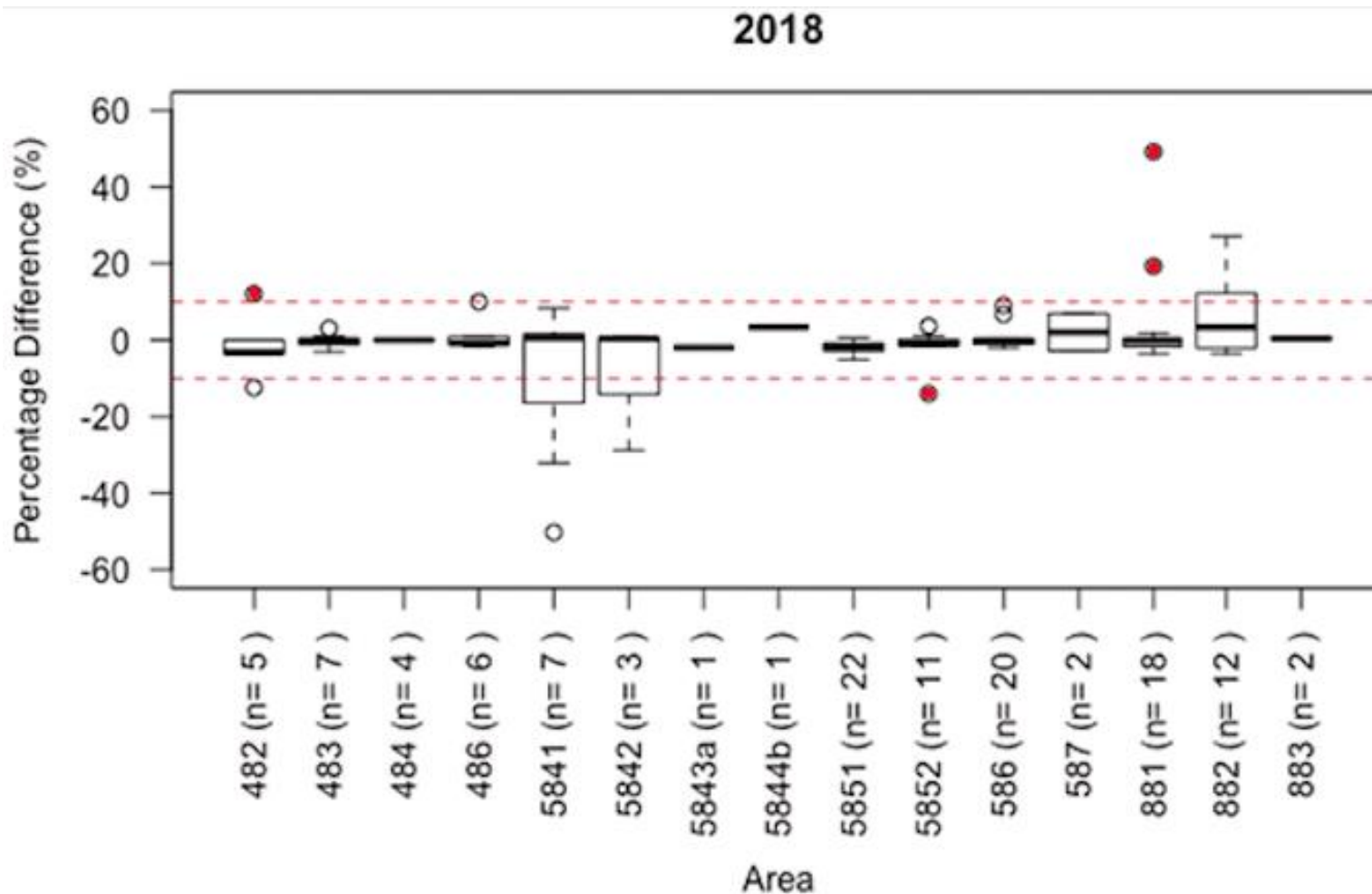
Three catch values are compared

1. Reported in season catch total for the fishing trip
2. Estimated catch total for the fishing trip
3. Verified catch total for the fishing trip



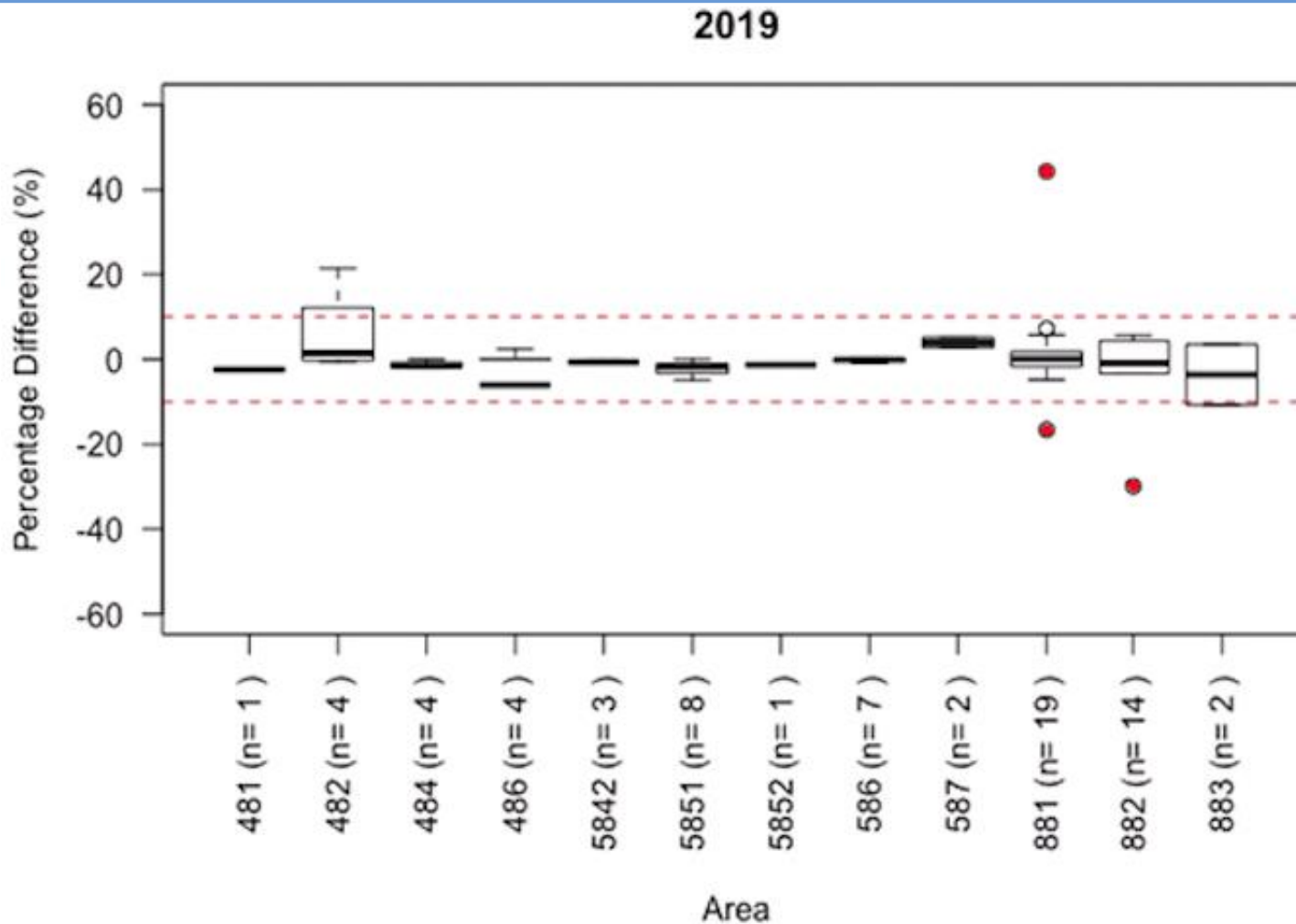


2018 Reconciliation of CDS data with fine-scale catch and effort data





2019 Reconciliation of CDS data with fine-scale catch and effort data





Reconciling the data

The majority met the 10% threshold

Where reconciliations did not meet the 10% threshold we entered strategic engagement to address the problem

Result

- Awareness that this is now occurring across the CCAMLR toothfish fisheries
- Investigation by the Flag State into the industry's practices
 - International scientific observer were found to be the ones providing the catch and effort data – not their role
 - Improved flow scales now being used



Application to National fisheries

- Understand your CDS data set
- No CDS? No worries, use other data sets such as catch and effort data or verified weight landings – always need two different datasets!
- Understand your datasets!
 - Catch and effort reporting
 - Transshipment data
 - Port inspections
 - Trade data
 - Scientific data





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