

# UN/FLUX

## Introduction to the UN Fisheries Language for Universal eXchange (UN/FLUX)



Coordinating Working Party on Fishery Statistics – 26<sup>th</sup> Session  
Rome, 15-18 May 2019



# UN/CEFACT Fisheries Language for Universal eXchange - ***Why needed?***

- More than 3 billion people depend on fish for almost 20% of their animal protein intake.
- Illegal, unreported and unregulated (**IUU**) fishing is valued at **USD 23 billion**, which is about **26 million tons of fish** per year.
- Both economic and ecological damage.



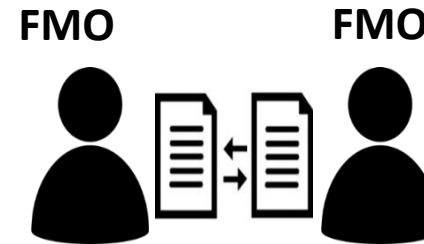
# UN/CEFACT Fisheries Language for Universal eXchange – **SDG**

- UN/CEFACT FLUX: Fisheries Language for Universal eXchange
- First UN communication tool to automatically collect and disseminate fishery catch data for:
  - Sustainable fishery management (SFM)
  - Detecting and combatting illegal, unreported and unregulated fishing (IUU)
- Directly linked to Sustainable Development Goal (SDG) 14 and 12 of the 2030 Agenda on Sustainable Development



# UN/CEFACT Fisheries Language for Universal eXchange – *About*

- FLUX is a **message** between authorities

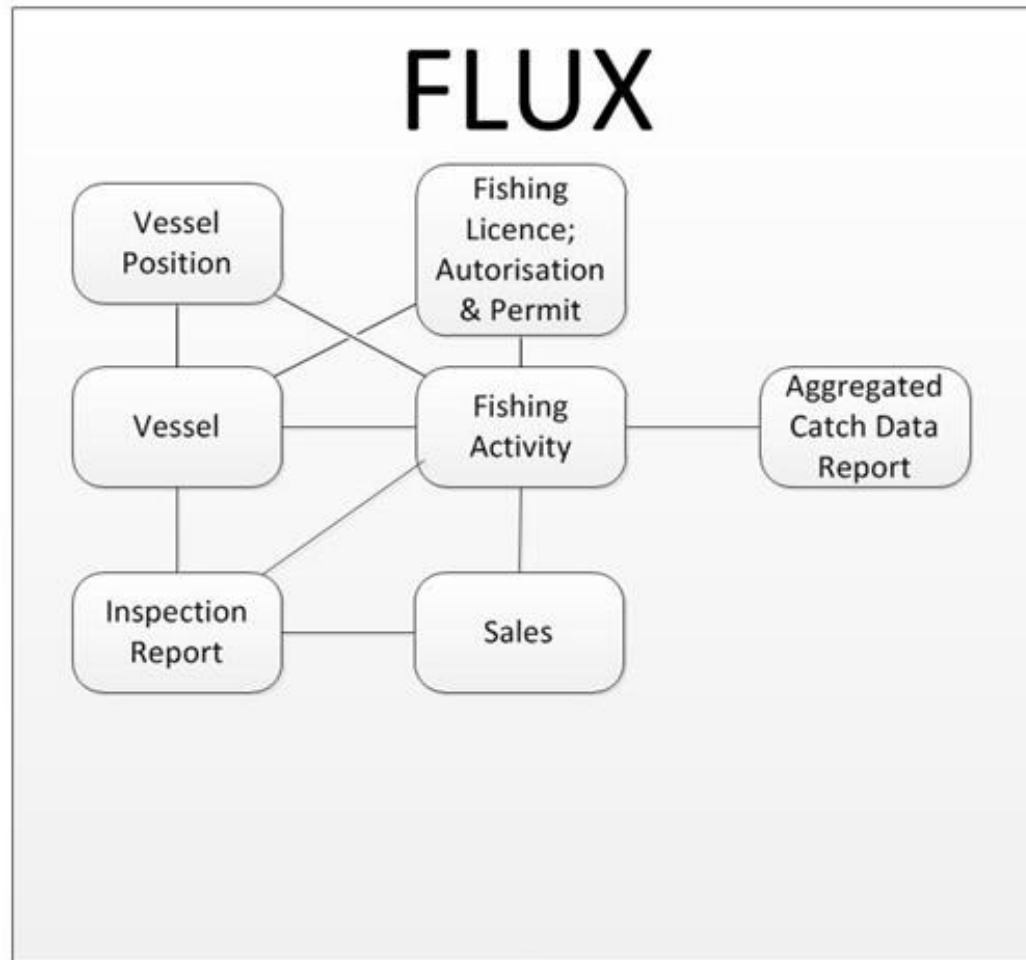


- The type of information that can be exchanged by means of FLUX is information ranging from the catch up to the first sale:

✓ **Including catch**; vessel and trip identification, fishing operations (daily catch or haul-by-haul) , fishing data (catch area, species and quantity, date and time, and gear used), landing and sales information, license information and inspection data

X **Excluding**: trade after first sale

# UN/CEFACT Fisheries Language for Universal eXchange – *Domains*



# UN/CEFACT Fisheries Language for Universal eXchange – *For whom?*

- The geographical coverage of this standard is **global**;
- Governments, regional and international organizations, regional FMOs, research institutions, and control and enforcement authorities.



# UN/CEFACT Fisheries Language for Universal eXchange – *Reporting requirements*

- Vessel data
- Licence data
- Position data
- Catch data
- Gear data
- Landing data
- Sales data
- Scientific data
- Economic data

- **Frequency**
- **Aggregation**
- **Format**
- **Availability**
- **Codes**
- **Deadlines**
- ...



# UN/CEFACT Fisheries Language for Universal eXchange – *Business requirements*

- Based on reporting of vessel activities (eLogbook)
  - From the vessel departure to return to port
  - Includes Landing & Transshipment
- Transmission between Fisheries Monitoring Centers (FMCs)
  - Vessel reports to FMC.
  - FMC transmits reported (enriched) information to others.
- Two ways transmission
  - Reporting & Query/Response messages.



# UN/CEFACT Fisheries Language for Universal eXchange – *Reported data*

- Fishing data
  - Species & quantity.
  - Catch area.
  - Event date & time
  - Gear used.
- Added data (link to other domains)
  - Vessel identification
    - Link to vessel characteristics (FA -> FLUX Vessel domain).
  - Licence/Authorization Document
    - Link to FLAP document (FA -> FLUX FLAP domain).
  - Trip identification
    - Grouping events to clearly identify dependencies. (to be used by other domains for linking to FA).



# UN/CEFACT Fisheries Language for Universal eXchange – *Incentives*

- **Pros of FLUX:**

1. Effective, transparent and efficient data exchange;
2. Timely acquisition
3. Practical solution and cost-effective;
4. Assist in traceability
5. Free, open and global standard;
6. Common approach in electronic logbooks;
7. Compatible with other UN/CEFACT standards

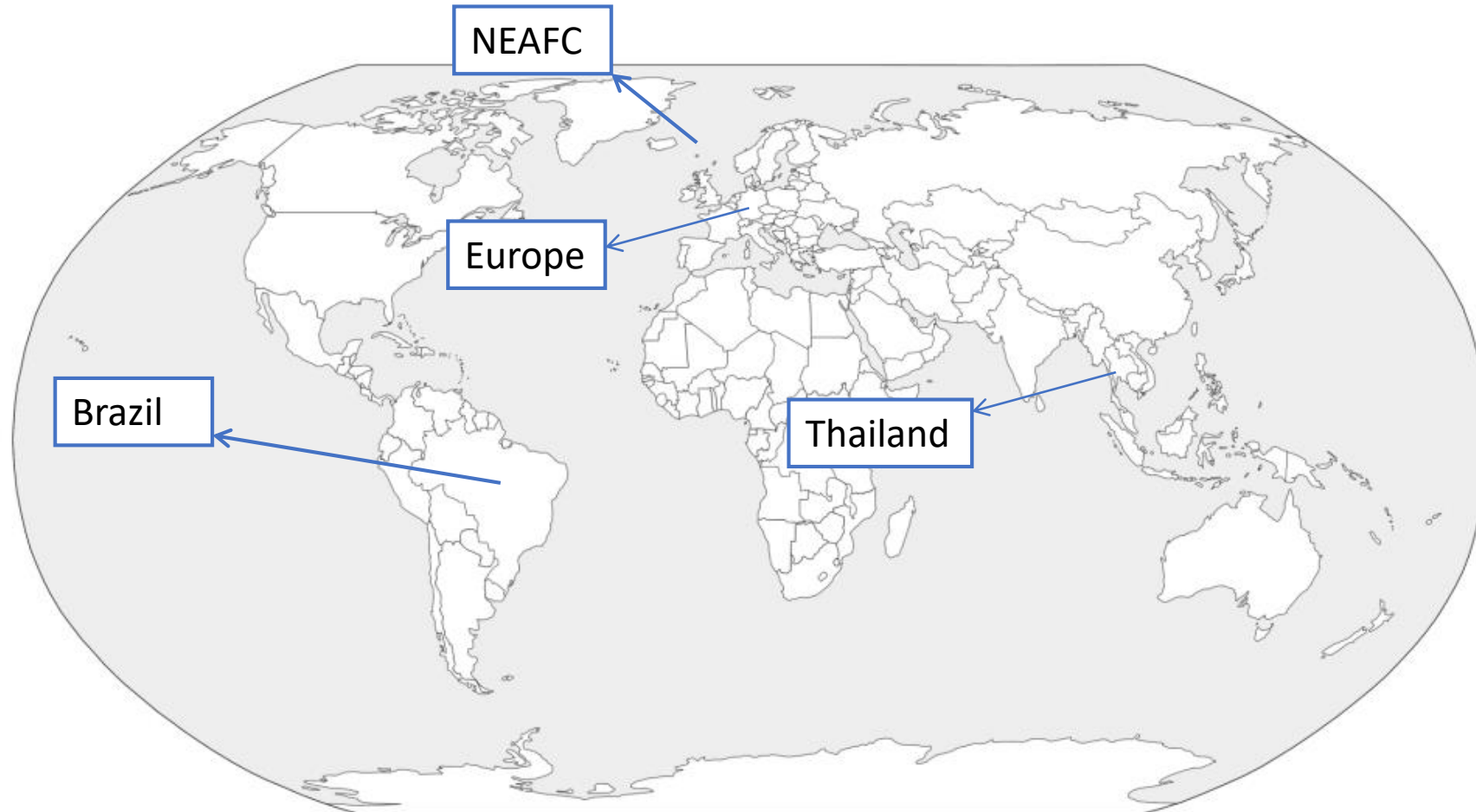


# UN/CEFACT Fisheries Language for Universal eXchange – *Cons/difficulties*

- First implementation should not be underestimated
- Cost for implementation
- Agreement with parties to use FLUX in order to actually use FLUX
- Not yet completely and fully implemented, therefore no complete example.



# UN/CEFACT Fisheries Language for Universal eXchange – *Globally*



## UN/CEFACT Fisheries Language for Universal eXchange – *Compatibility*

- UN Tracking and Tracing
- E-certification



Marta Consulting Inc., 2013



# Team of Specialists on Sustainable Fisheries

Objective:

“...To promote, facilitate and support the implementation of fisheries standards, e.g. FLUX on a global scale...”

Open to:

Experts involved in fishery and sustainable fisheries management

**For more information and to join please visit:**

<https://www.unece.org/uncefact/unflux>

