



European
Commission

European Union experience with FLUX

Maris Berzins
DG MARE/C4, Data Management unit

Team of Specialists on Sustainable Fisheries
Geneva, 29/01/2018

Fisheries

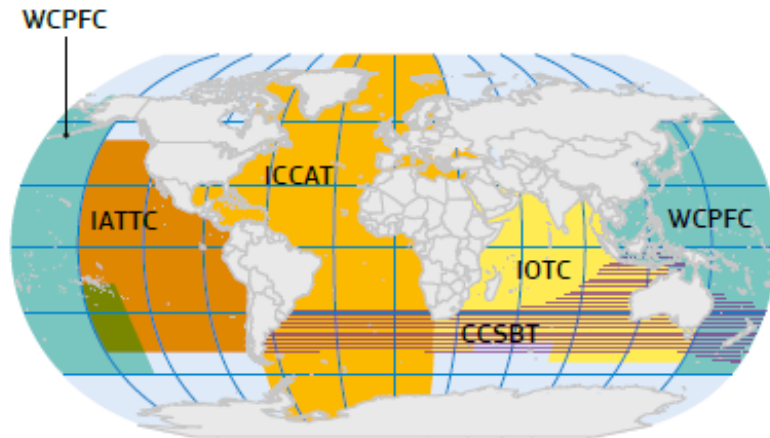


EU fisheries





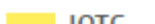
- **EU internal context**

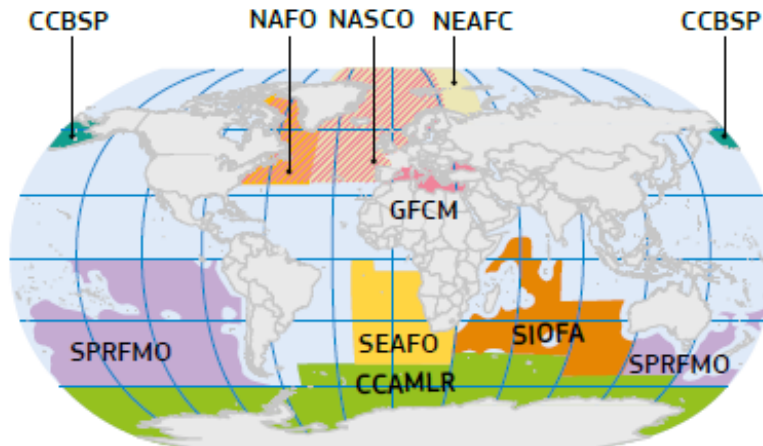
- Common Fisheries Policy
 - *EU has exclusive competence – to act together*
- 23 Member States' involved in fisheries
- 470 stocks and quotas to manage sustainably
- 85 000 active vessels to follow-up
- 5 million tons of fish landed annually

Regional Fisheries Management Organisations



RFMOs for highly migratory fish stocks (tuna and associated species)

-  CCSBT Commission for the Conservation of Southern Bluefin Tuna
-  IATTC Inter-American Tropical Tuna Commission
-  ICCAT International Commission for the Conservation of Atlantic Tunas
-  WCPFC Western and Central Pacific Fisheries Commission
-  IOTC Indian Ocean Tuna Commission



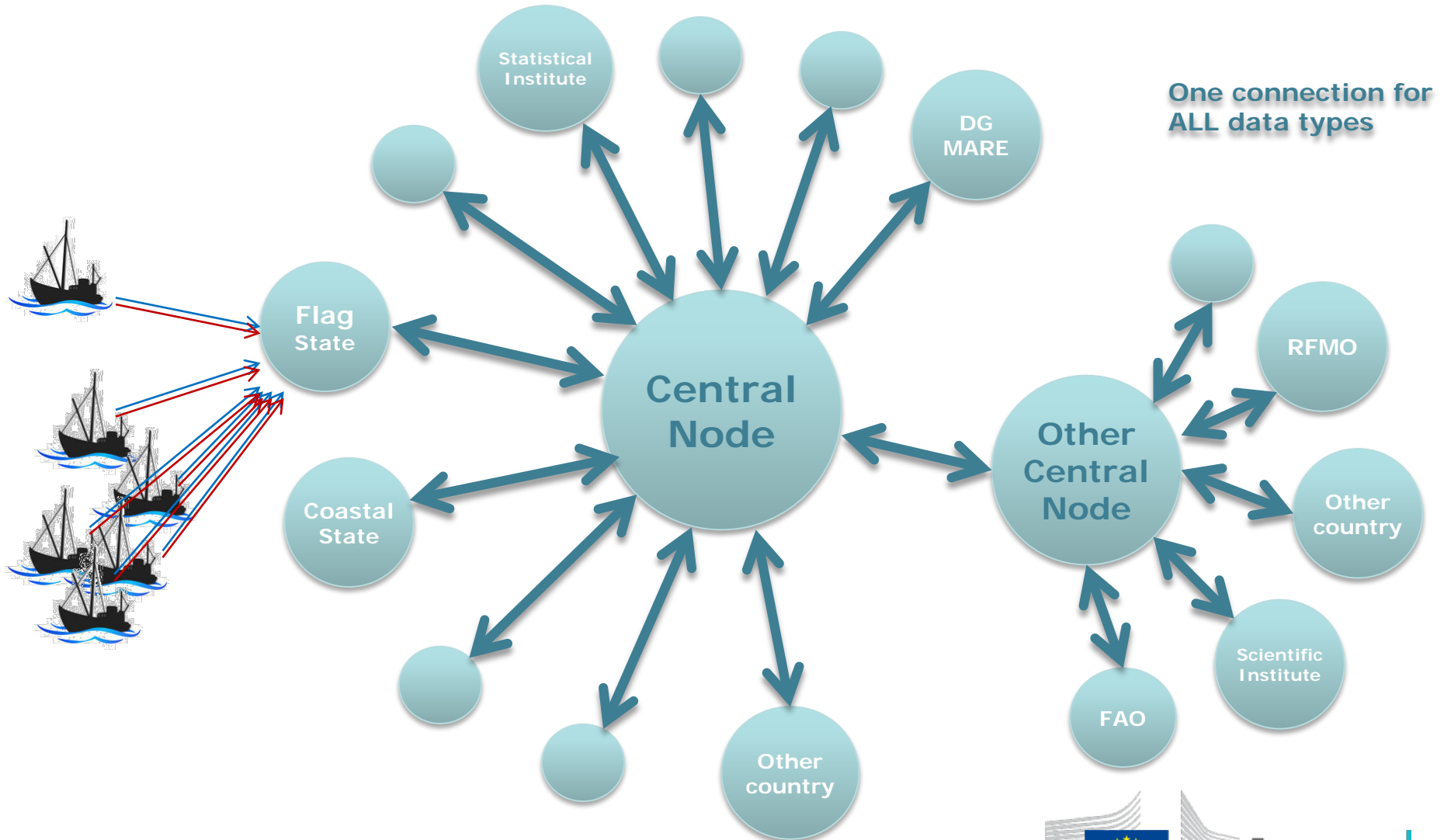
RFMOs for non-tuna species

-  CCAMLR Commission for the Conservation of Antarctic Marine Living Resources
-  CCBSF Convention on the Conservation and Management of Pollock Resources in the Central Bering Sea
-  GFCM General Fisheries Commission for the Mediterranean
-  NEAFC North East Atlantic Fisheries Commission
-  NASCO North Atlantic Salmon Conservation Organization
-  NAFO Northwest Atlantic Fisheries Organization
-  SEAFO South East Atlantic Fisheries Organization
-  SPRFMO South Pacific Regional Fisheries Management Organization
-  SIOFA South Indian Ocean Fisheries Agreement

International Agreements



How data exchange is organised?



In summary

- **Vessels fish all over the world**
- **Overfishing and IUU is a concern worldwide**
- **Fisheries is controlled by many authorities**
 - Flag State authorities
 - Coastal State authorities
 - RFMO
- **Everybody needs electronic data**

a STANDARD is essential

FLUX P1000 standards

| Standard | Name | Description |
|----------|-------------------|---|
| P1000-1 | GP | General principles - basic entities applied to all FLUX standards |
| P1000-2 | Fishing Vessel | Information on vessel characteristics |
| P1000-3 | Fishing Activity | Information on fishing vessel activities, including logbook, notifications, declarations, etc. |
| P1000-5 | Sales | Information on fish after landing and till first sales. Sales note, take-over note, transport document |
| P1000-7 | Vessel Position | VMS data |
| P1000-8 | Inspection Report | Electronic inspection reports |
| P1000-9 | FLAP | Fishing Licenses; Authorisations & Permits |
| P1000-10 | MDM | Master Data Management – information on code lists |
| P1000-12 | ACDR | Aggregated Catch Data Reporting |

FLUX covers our needs

- Fit for ALL data exchanges
 - global
 - local IT solution independent
 - flexible and fast process
 - flexibility to add new components
 - independent quality review



A single and complete fisheries data exchange language

=

UN/CEFACT FLUX



EU state of play

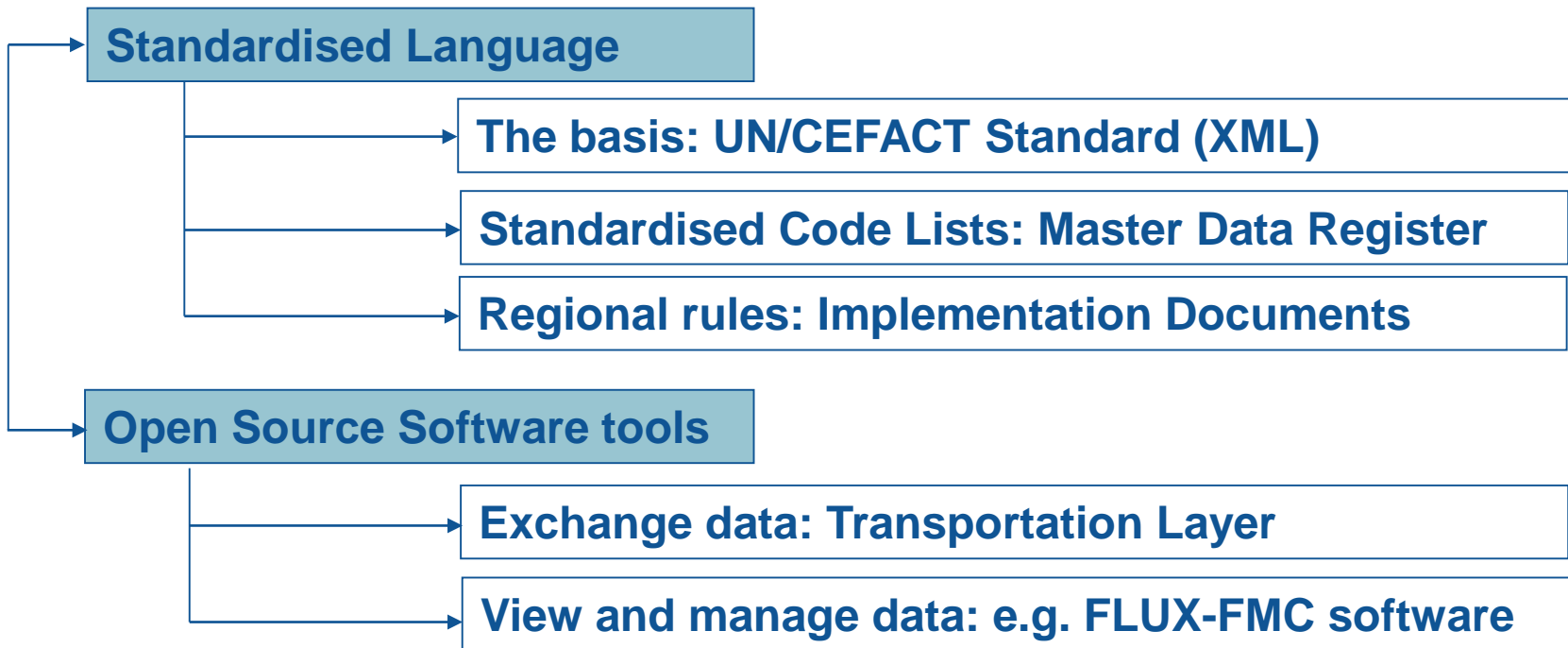
In place

In plan

- Vessel positions 01-11-2016
- Aggregated catch 15-02-2017

- Vessel data 01-02-2018
- **Fishing activities 01-05-2018**
- **Sales notes 01-05-2018**
- Licences 2019/2020
- Inspections 2019/2020

Practical building blocks



YOUR PLAN.



REALITY.




HUSTLE + GRIND

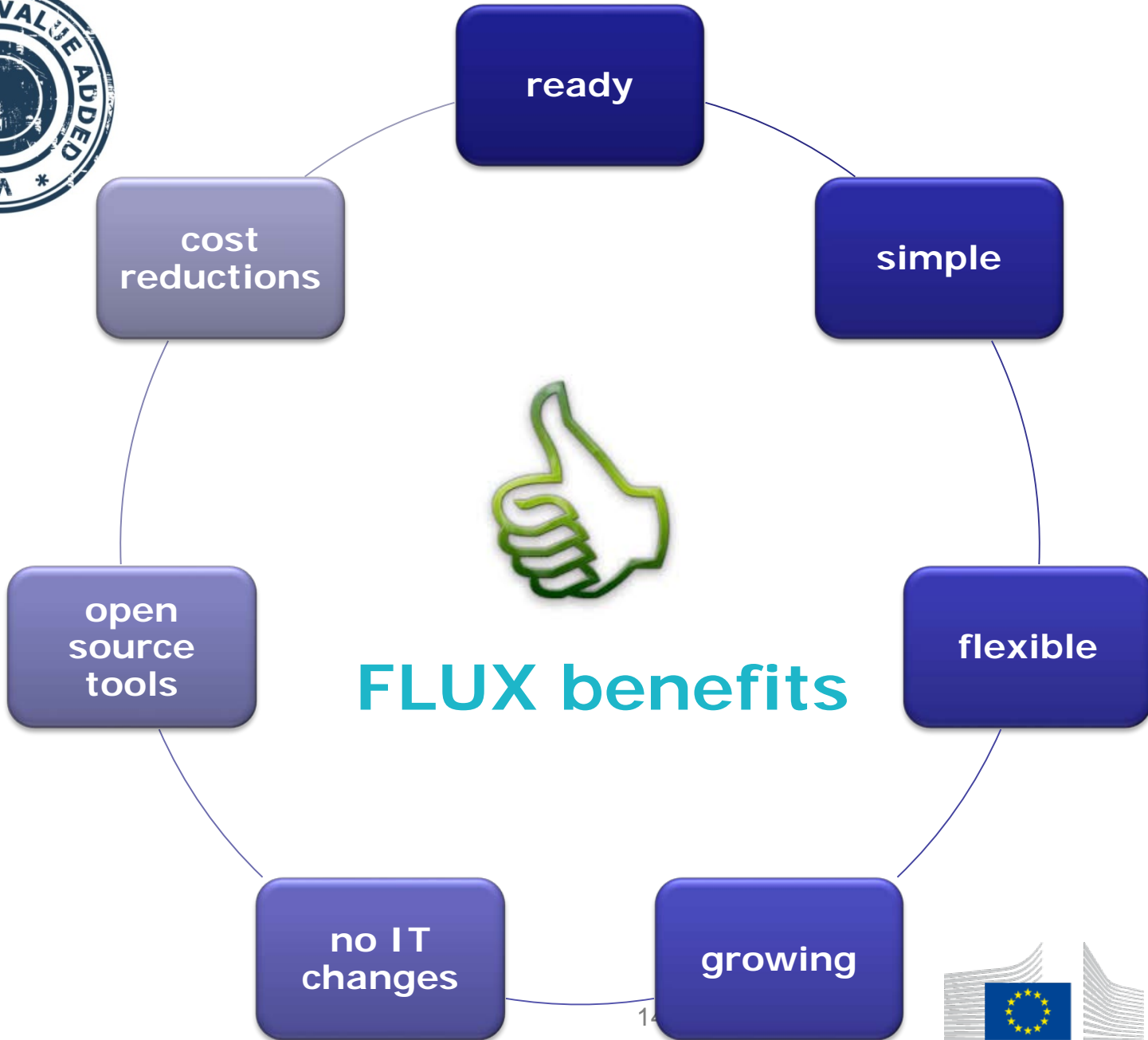
EU supports FLUX

- **FLUX is a priority**
 - in EU fisheries data management strategy
- **FLUX is required by law within the EU**
- **ToS on Sustainable Fisheries**
 - EU voluntary contribution
 - *100 000 EUR*
 - Practical support
 - *making and using FLUX standard*
- **Open Source tools**
 - The EU donates its software
 - *FLUX TL data exchange tool*
 - *FLUX FMC viewing tool*
 - *other tools to come*



EU cooperates with its FLUX partners

- **UNECE – UN/CEFACT**
 - standardisation body
- **FAO**
 - Global Record of fishing vessels
- **EU internal**
 - 23 EU Member States
 - European Commission (DG MARE)
- **Agreed to implement**
 - NEAFC
- **Also interested**
 - Norway, Faroe Islands, Greenland,
 - NAFO, SEAFO, GFCM, WCPFC,



Thank you...

... for your interest!

Join the UN/CEFACT FLUX
success story...



Questions?

MARE-DATA-MANAGEMENT@ec.europa.eu