



European
Commission

26th UN/CEFACT Forum

FLUX Project

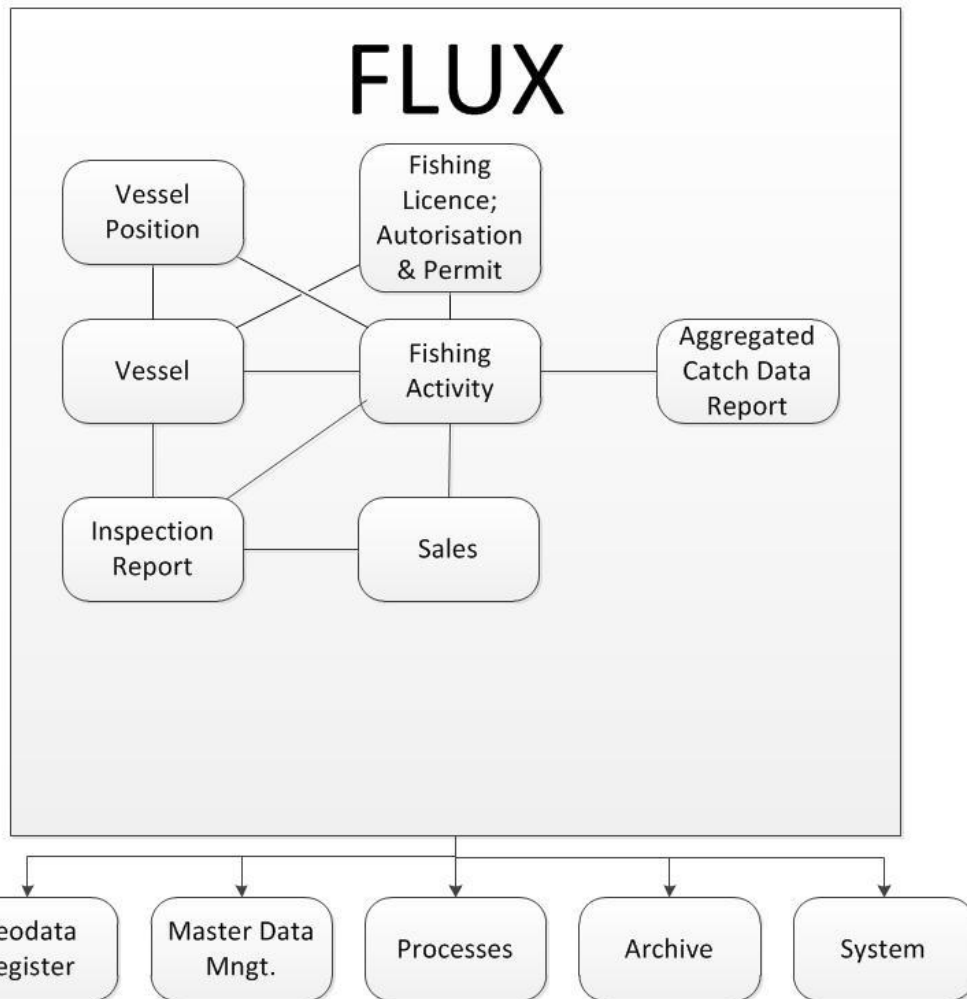
DG Mare D4- Eric Honoré
03 November 2015

Fisheries



1. State of play

FLUX Business sub-domains



P1000 - 1; General principles

P1000 - 2; Vessel domain

P1000 - 3; Fishing Activity (FA) domain

P1000 - 5; Sale domain

P1000 - 7; VMS domain

P1000 - 8; Inspection Report domain

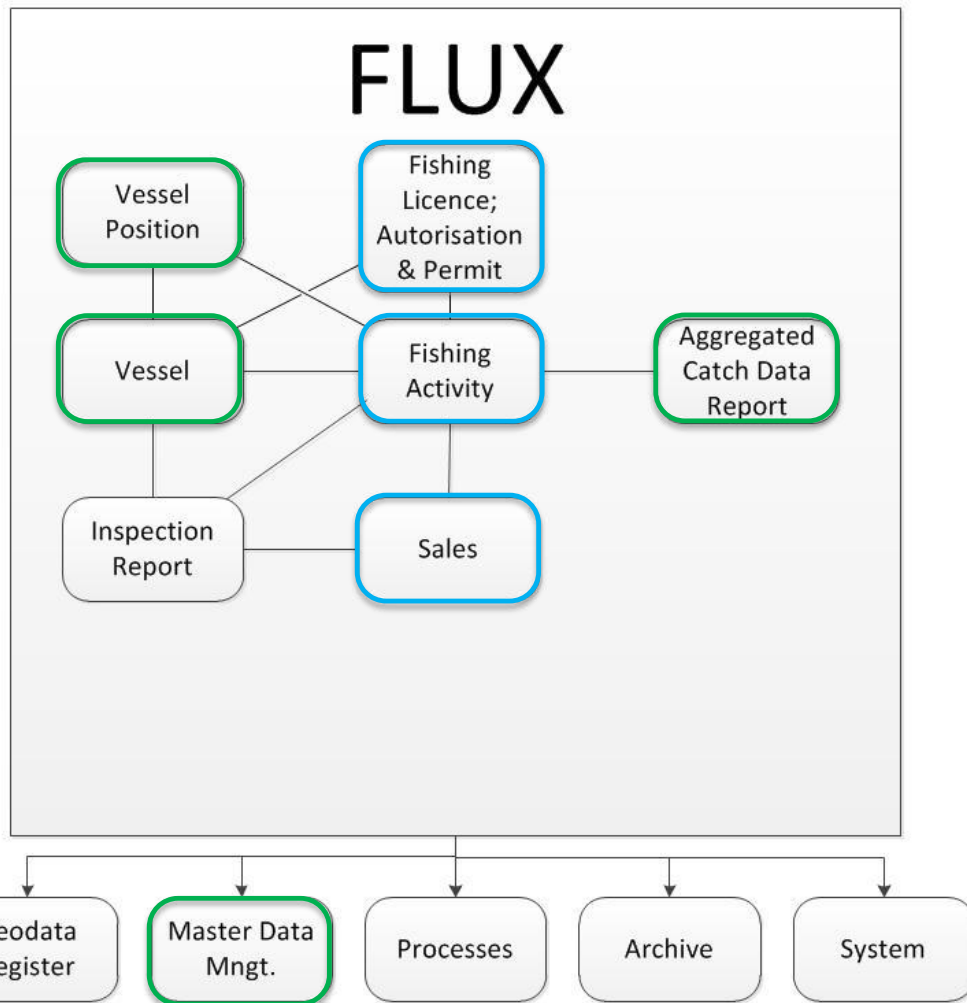
P1000 - 9; Fishing Licence; Authorisation & Permit (FLAP) domain

P1000 - 10; Master Data Mngt. (MDM domain

P1000 - 11; System domain

P1000 - 12; Aggregated Catch Data Report (ACDR) domain

FLUX Business sub-domains



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FLUX sub-domains in a Nutshell: Additional domains

- **General Principles:**
 - introduction & definition of general behavior.
 - basis for all other FLUX sub-domains.
- **Master Data Management (MDM):**
 - For retrieving list of codes (e.g. Species codes) used in FLUX sub-domains from a registry (MDR).
- **System, Geodata Register, Archive, Processes:**
 - Transmission of information about system status, geographical data (similar to MDM), Archived data and Business Processes (Business Rules).

FLUX sub-domains in a Nutshell: Support & Administrative domains

- **Aggregated Catch Data Report (ACDR):**
 - Transmission of catch data aggregated at upper level (per month, area, etc.).
- **Fishing Licence; Authorization & Permit (FLAP):**
 - Transmission of request for fishing license, authorizations or permit between authorities.
- **Vessel:**
 - Transmission of fishing/non-fishing vessels characteristics data (e.g. EU vessel register, FAO vessel global record).
- **Inspection Report (IR):**
 - Transmission of report related to inspection (e.g Fishing Vessel, Port, Auction Centre).

FLUX sub-domains in a Nutshell

Fishing related domains

- **Fishing Activity (FA):**
 - Transmission of data recorded on board of fishing vessel (aka eLogbook) during fishing trip (from departure to return to port).
 - Information about the quantity of fish landed (Landing).
- **Sales:**
 - Transmission of information since the landing (included in FA) up to the first sale (e.g. in auction centre).
 - Includes Take-Over and Transport (up to first sale) information.
- **Vessel Position:**
 - Transmission of Vessel Monitoring System (VMS) data.

UN/CEFACT Standardization state of play

1. UN/CEFACT STANDARD – CCL 13B

- ✓ P1000 - 1; General principles
- ✓ P1000 - 7; Vessel Position domain
- ✓ P1000 - 12; Aggregated Catch Data Report domain

2. UN/CEFACT STANDARD – CCL 14A

- ✓ P1000 - 10; Master data register domain

3. UN/CEFACT STANDARD - CCL 14B

- ✓ P1000 - 2; Vessel domain

FLUX Standard - state of play

4. CCL 15A

P1000 - 1; General principles (v2)

P1000 - 2; Vessel (v2)

P1000 - 7; Vessel Position domain (v2)

P1000 - 12; Aggregated Catch Data Report domain (v2)

5. CCL 15B (IN PROGRESS)

P1000 - 3; Fishing Activity domain

P1000 - 2; Vessel (v3)

P1000 - 9; Fishing Licence; Authorisation & Permit (FLAP) domain

P1000 - 5; Sales domain

FLUX Standard – next steps

Submission to harmonization

•September 2015



BRS presentation in UN/CEFACT forum

•October 2015



Harmonization & XSD

•December 2015



FLUX v1 Publication

•April 2016

FLUX Standard - v1 package

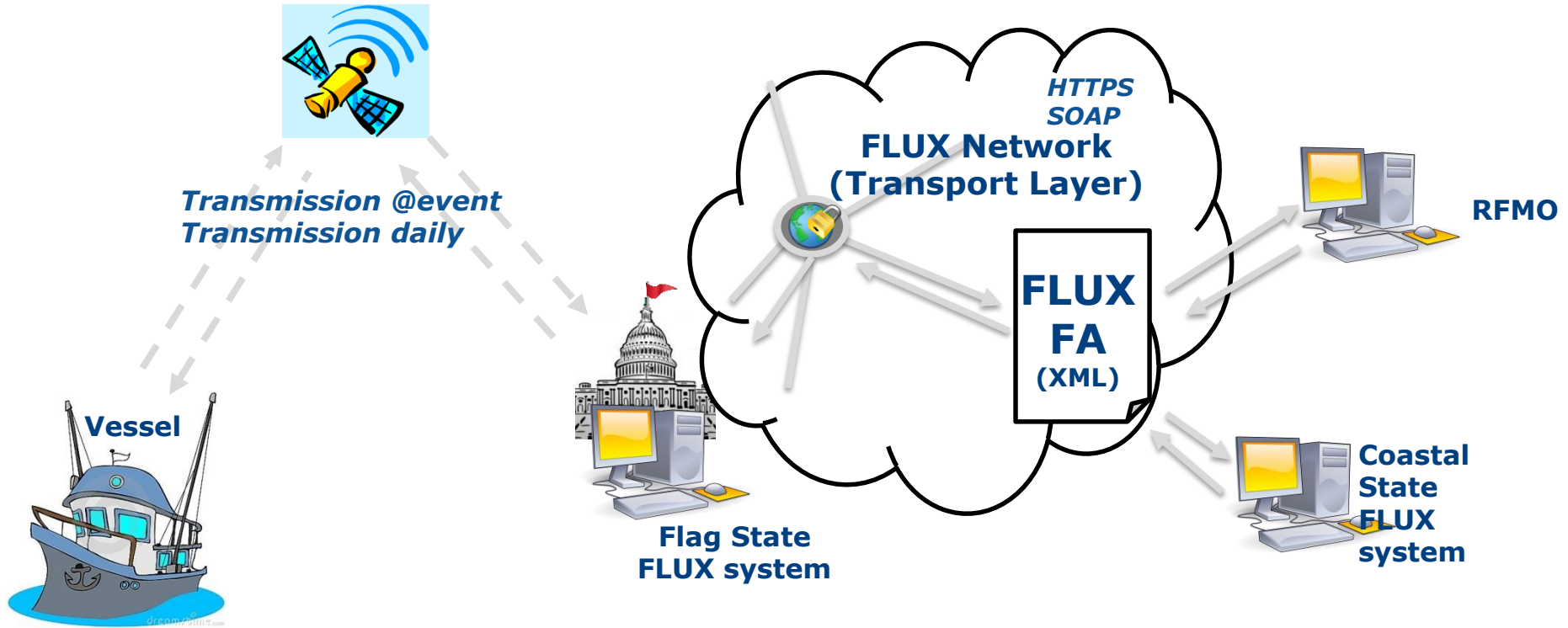
- *P1000 - 1; General principles - v2*
- *P1000 - 2; Vessel - v2*
- *P1000 - 7; Vessel Position domain - v2*
- *P1000 - 12; Aggregated Catch Data Report domain - v2*
- *P1000 - 3; Fishing Activity domain - v1*
- *P1000 - 2; Vessel - v3*
- *P1000 - 9; Fishing Licence; Authorisation & Permit (FLAP) - v1*
- *P1000 - 5; Sales domain -v1*

2. Fishing Activity (FA)

Fishing Activity domain objectives

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

FLUX Reporting Workflow



**Performing
Fishing Activities
=> events**

FLUX Reporting Workflows

- **2 ways of exchanging data**

- **Reporting** of Fishing Activity messages by the flag state

- *Notifications*
- *Logbook data*
- *Landing & Transshipment declarations*



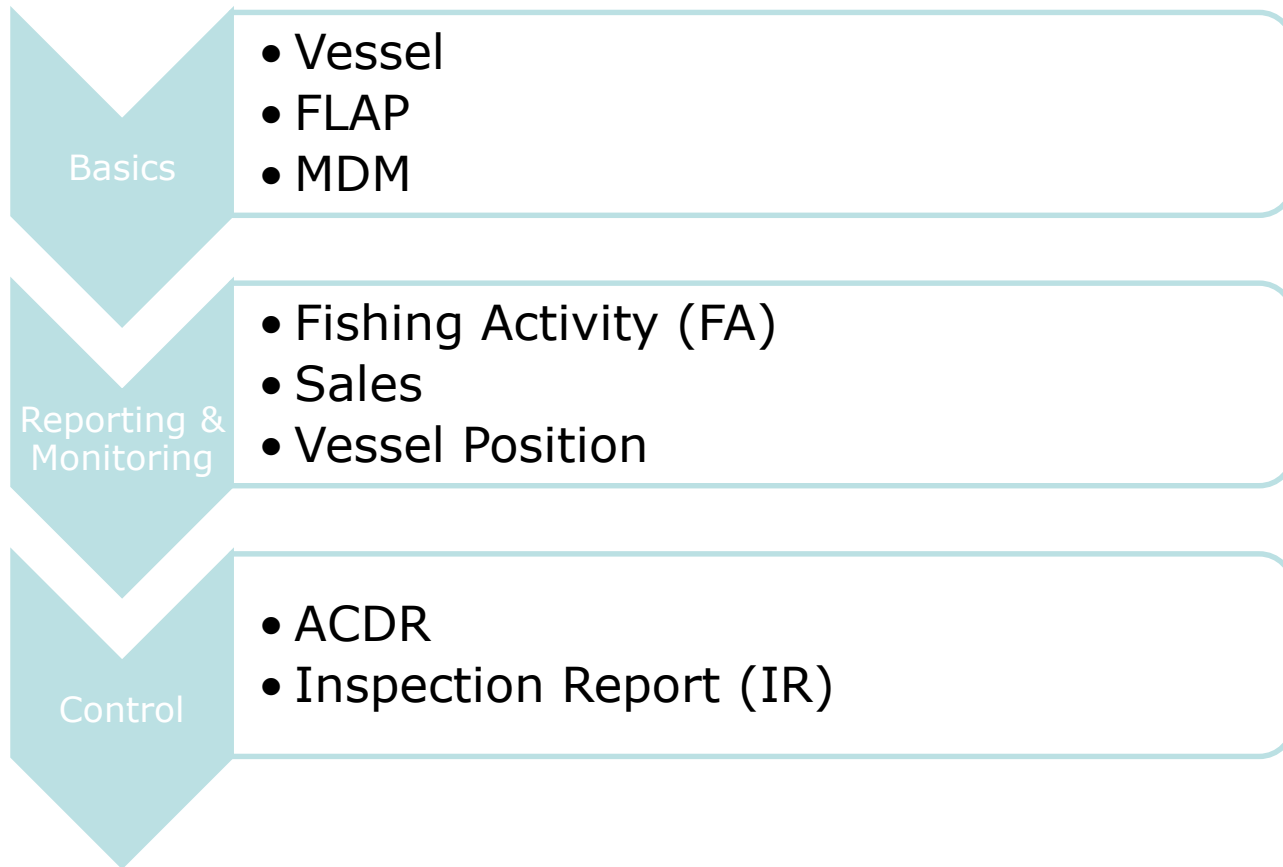
- **Querying** for of Fishing Activity by the Coastal State or RFMO

- *Only for logbook data*



3. Standard Usage

FLUX domains deployment



Basic FLUX domains

- **Vessel**
 - Official register of fleet (fishing & support vessels)
 - Characteristics of vessel
- **Fishing Licence; Authorization & Permit (FLAP)**
 - Management of licences for vessels.
 - Essential for FAO Global Record.
- **MDM**
 - Code list repository (MDR)
 - Essential for messages validation

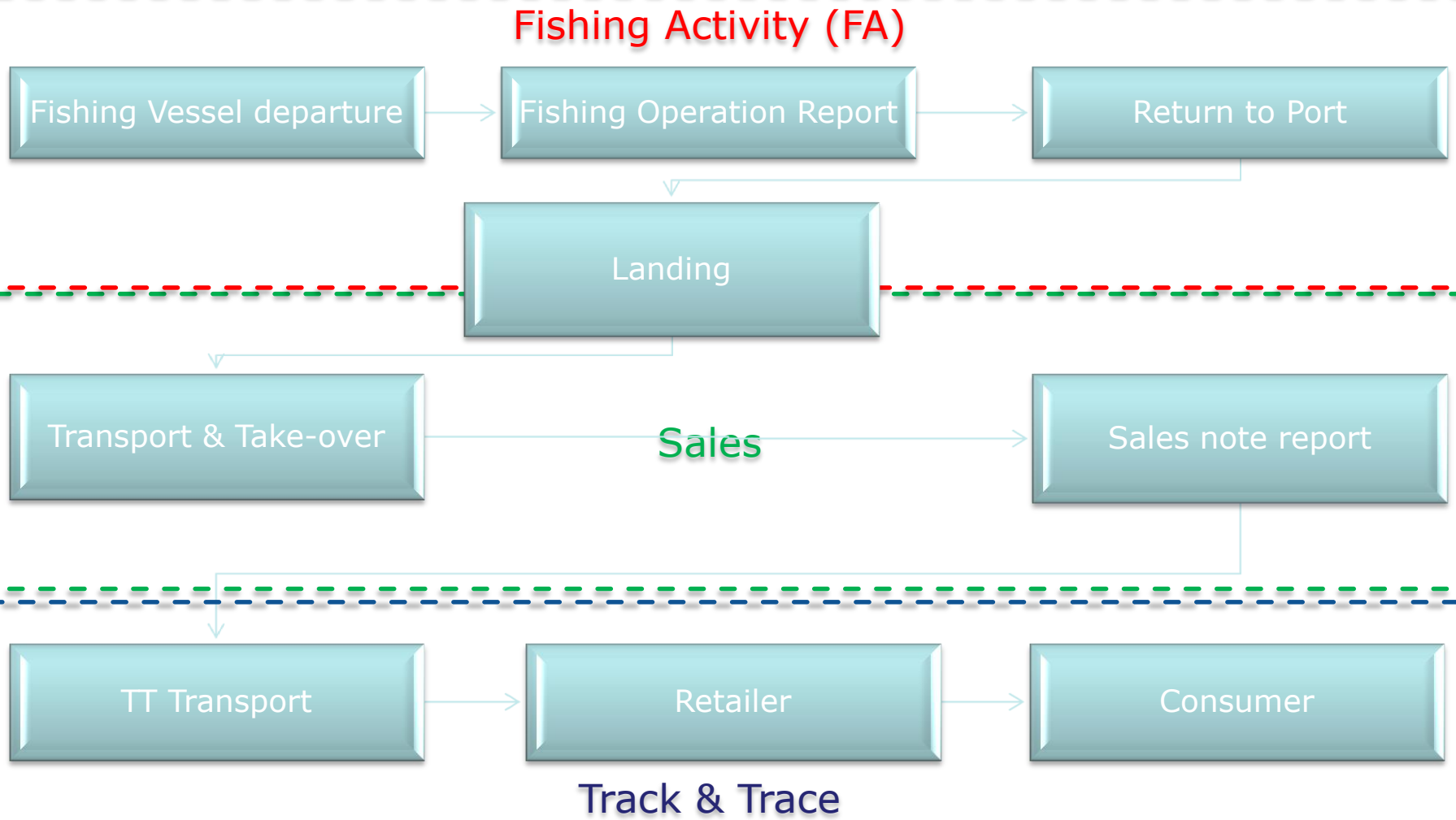
FLUX reporting & monitoring domains

- **Fishing Activity (FA)**
 - Starting point of fisheries business
 - Use for control purpose
 - Related to vessel definition
- **Sales**
 - Start at fish landing
 - Covers take-over of landed fish
- **Vessel Position**
 - Monitoring of vessel activities
 - Essential for control
- **ACDR**
 - Accounting of vessel activities
 - Tools for fisheries management sustainability

FLUX Control domains

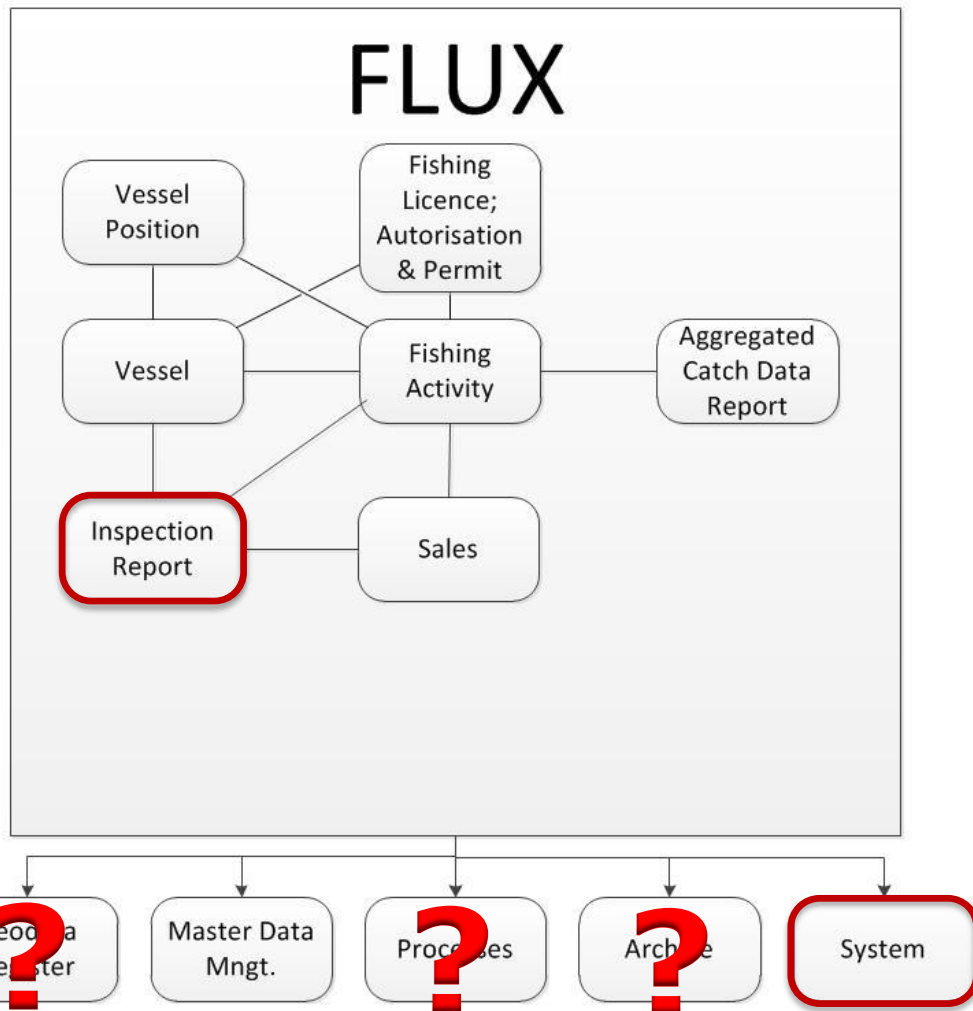
- **ACDR**
 - Tools for fisheries management sustainability (Catch <> Quotas)
 - Control of legal obligations
 - Accounting of vessel activities
 - Declaration cross-check
- **Inspection Reports (IR)**
 - Physical Control of vessel activities & characteristics
 - Support for policies (infringements).

FLUX & Traceability



4. Next (FLUX v2)

FLUX Business sub-domains



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FLUX project maintenance

- **Fishing Activity (FA)**
 - Response message enhancement
- **General Principles**
 - Generic Query
- **Vessel**
 - Characteristics definition (restrictive)

