GS1 Germany

# EPCIS-based fish traceability pilot: outline incl. live demo

**Tim Sadowski + Ralph Tröger | 2013-10-10**

**GSMP Autumn | Lisbon | Lunch & Learn**

# Why is EPCIS 1.1 so brilliant for (fish) traceability purposes? [1/2]

**Companies** have to ensure **traceability** for **each lot of fish** from catch to consumption

**Consumers** want to obtain not only static, but also **dynamic traceability information** about **products**.

**Authorities** want to be able to **control compliance with legal regulations**.

# Why is EPCIS 1.1 so brilliant for (fish) traceability purposes? [2/2]

What has GS1 to provide in order to meet these requirements?

- Documentation of **transformations**
- **Lot** identification
- **Instance/ lot**-related **master data**
- Documentation of **aggregations/ disaggregations**
- **Scalable**, **robust**, **viable**, **decentralised** approach

➔ **EPCIS/ CBV 1.1** fulfils **ALL** the above requirements.

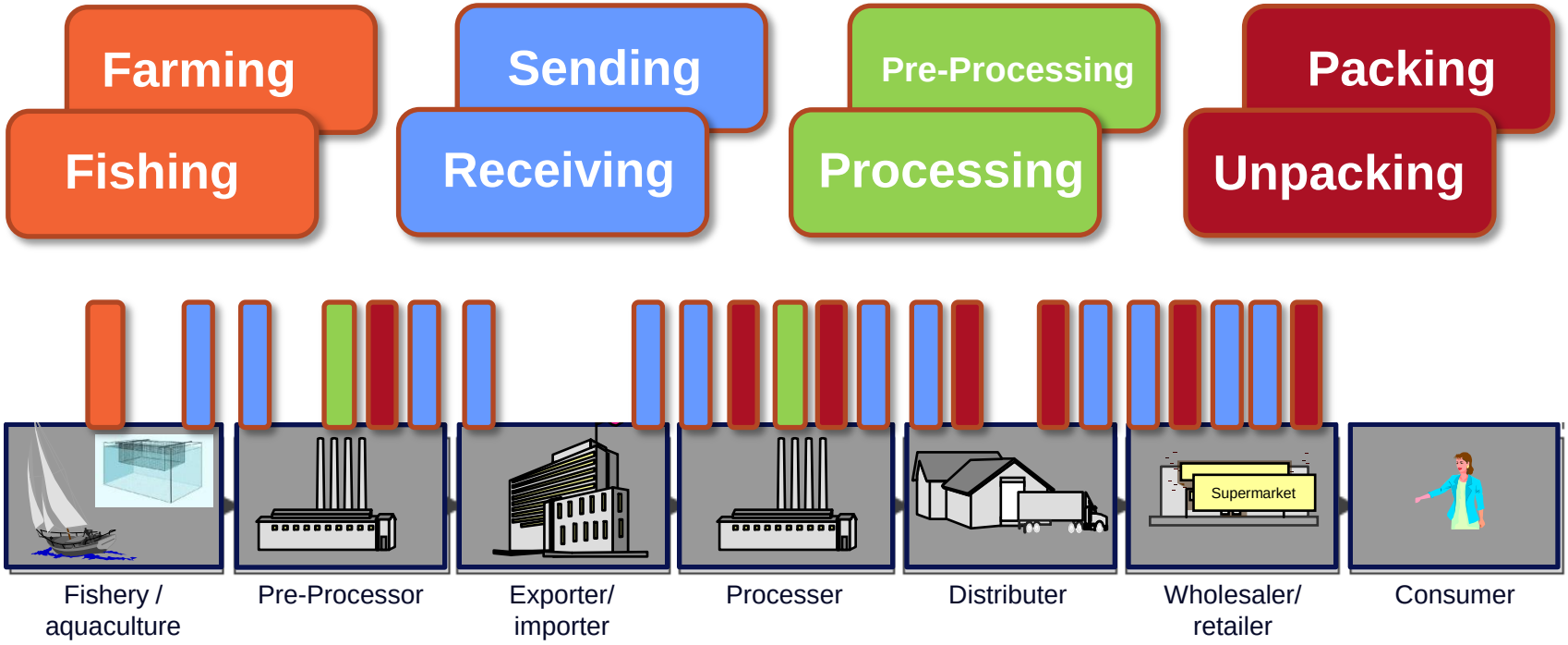
# The fish traceability pilot in a nutshell [1/2]

- **Participating organisations** represent **all relevant stakeholders** in the **fish industry:**

| Countries and international organisations | Fisheries | Fish processors | Other | Retailers/ Wholesalers |
|---|---|---|---|---|
| | | | | |

# The fish traceability pilot in a nutshell [2/2]

- Achieve **traceability from catch to consumption** by capturing and exchanging all relevant process steps **via EPCIS** events**:**




Object Event | Transformation Event | Aggregation Event

# Live Demo

Data supply

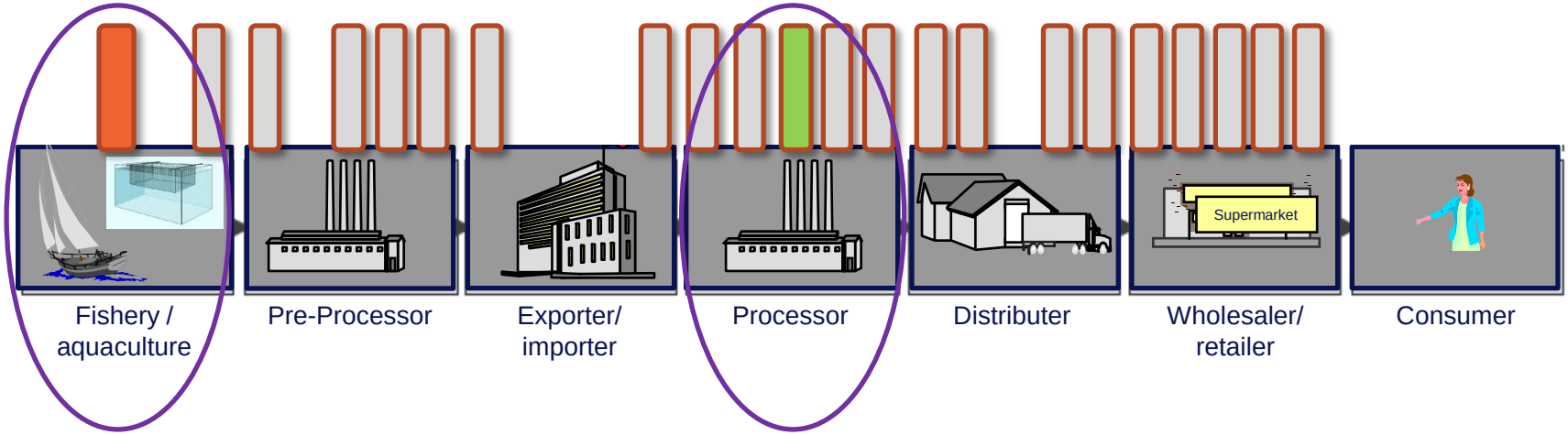
or or

Via **web interface**

Via **servlet**

Via **EPCIS interface**

(EPCIS-compliant messages automatically generated by legacy systems)



# Try it out yourself!

# Thank you for your attention.
# Please do not hesitate to contact us.


Tim Sadowski
Project Manager AIDC
GS1 Germany

T +49(0)221-94714-335
sadowski@gs1-germany.de

www.gs1-germany.de

Ralph Tröger
Senior Project Manager AIDC
GS1 Germany

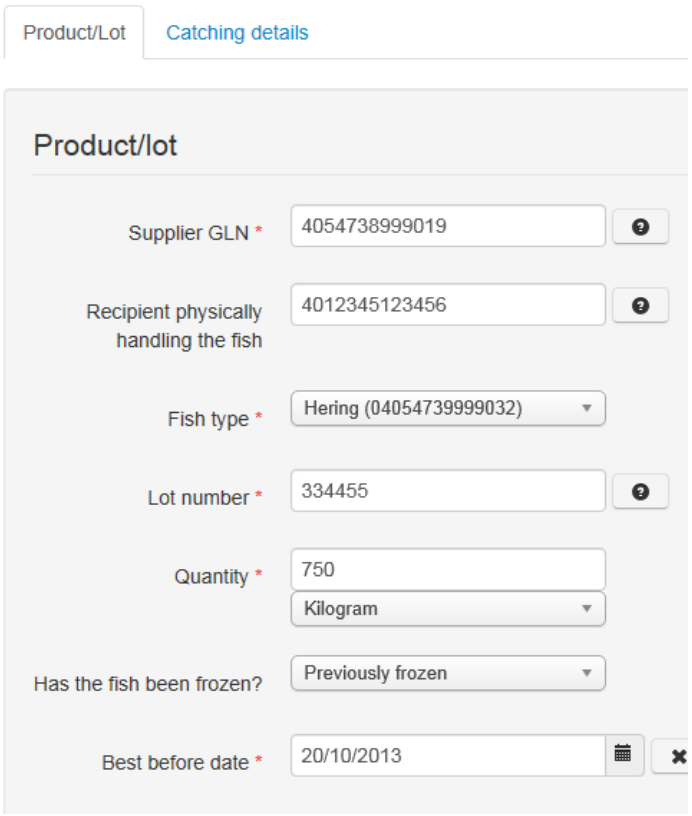
T +49(0)221-94714-243
troeger@gs1-germany.de

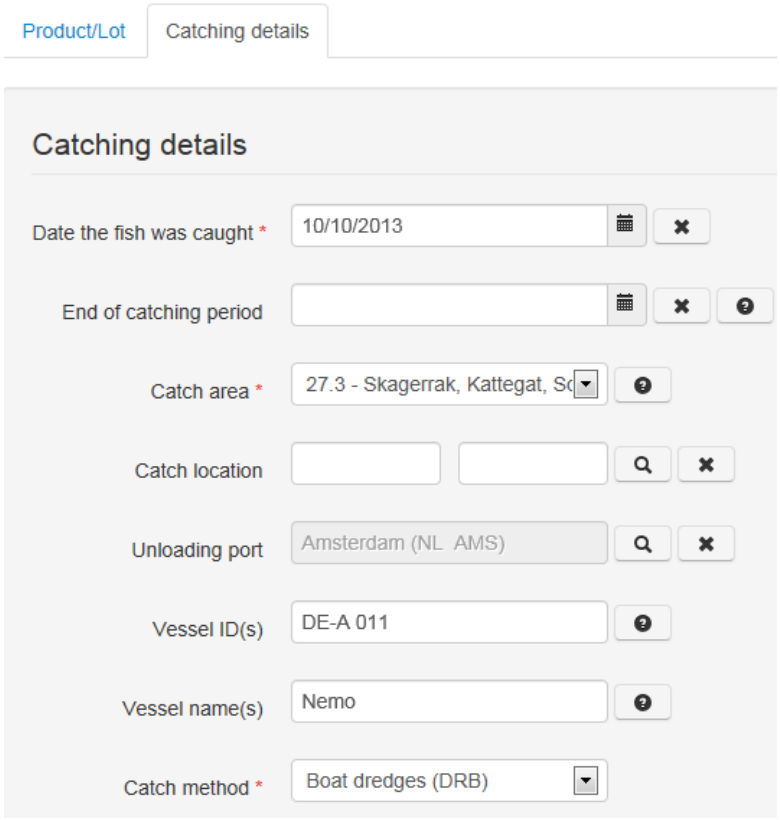
www.gs1-germany.de

# Backup 01

## - Data entry website -

This is how a **fishery** with poor IT infrastructure can capture relevant traceability data, e.g.:

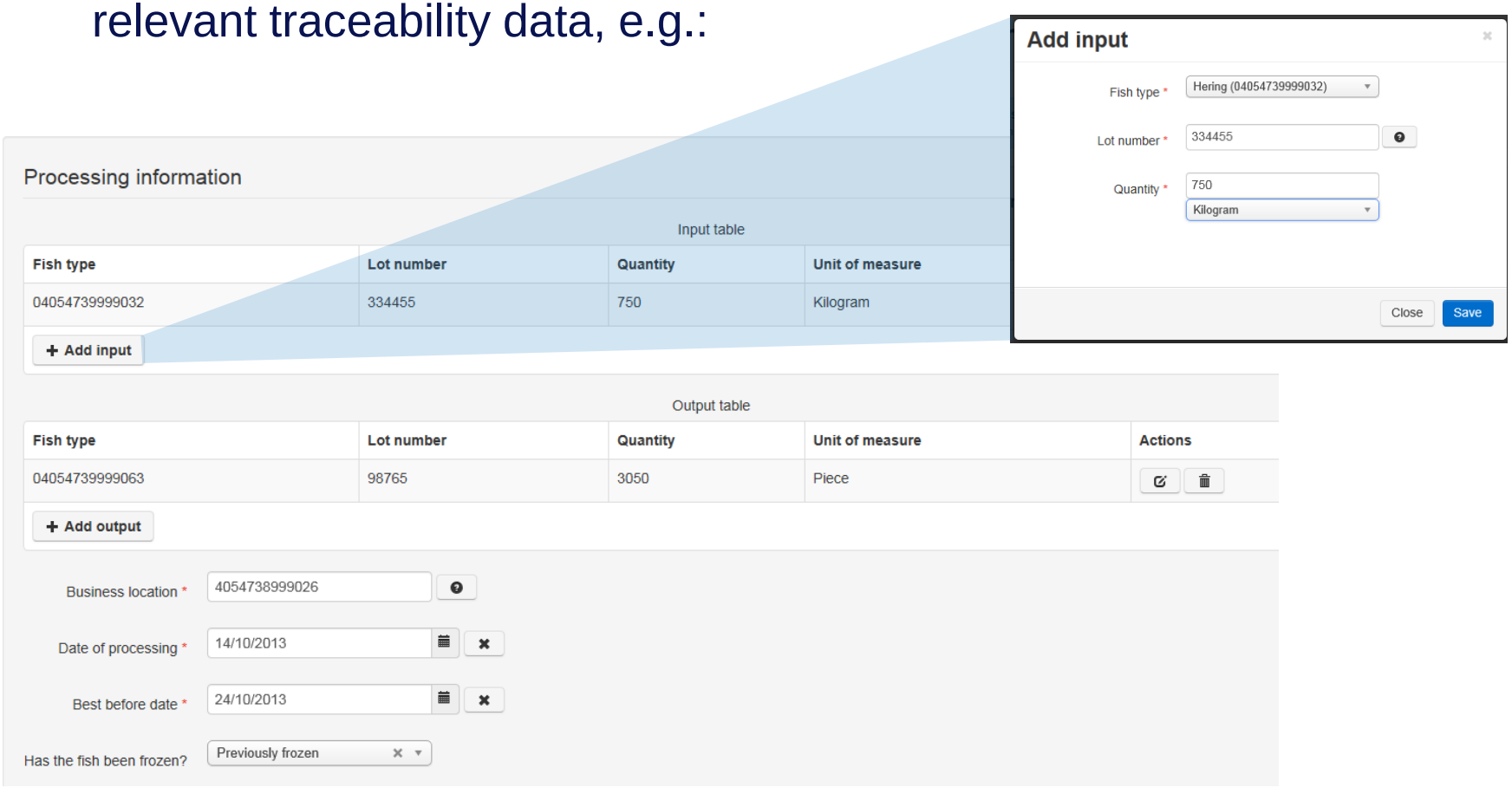


# Backup 02

## - Data entry website -

This is how a **fish processor** with poor IT infrastructure can capture relevant traceability data, e.g.:



# Backup 03

## - B2C traceability information for consumers-

Telekom.de 3G 03:49 87 %

Seelachsfilet ohne Haut, 330 g

Kutterfisch

Produktinfos

### Informationen zum Produkt

| | |
|---|---|
| **GTIN/EAN:** | 04260278110016 |
| **Tracking-Code:** | KF124F |
| **Produktart:** | Saithe(=Pollock) |
| **Fanggebiet:** | North Sea (Subarea IV) |
| **Fangmethode:** | Kiemen- und Verwickelnetze - Kiemen- und Verwickelnetze (ohne nähere Angaben) |

Telekom.de 3G 03:45 89 %

| | |
|---|---|
| **Fangperiode:** | 09.07.2013 - 10.07.2013 |
| **Schiffsname:** | MSMoeve (6645) |
| **Anlandehafen:** | DE CUX |
| **Herstellungsbetrieb:** | Kutterfisch-Zentrale GmbH, Cuxhaven, Deutschland |
| **Zuvor gefroren:** | ja |
| **Mindesthaltbarkeitsdatum*:** | 24.07.2013 |

*Bitte im Tiefkühlschrank lagern und nach dem Auftauen nicht wieder einfrieren.

### Verpackung und Inhalt

Telekom.de 3G 03:45 89 %

Herkunft

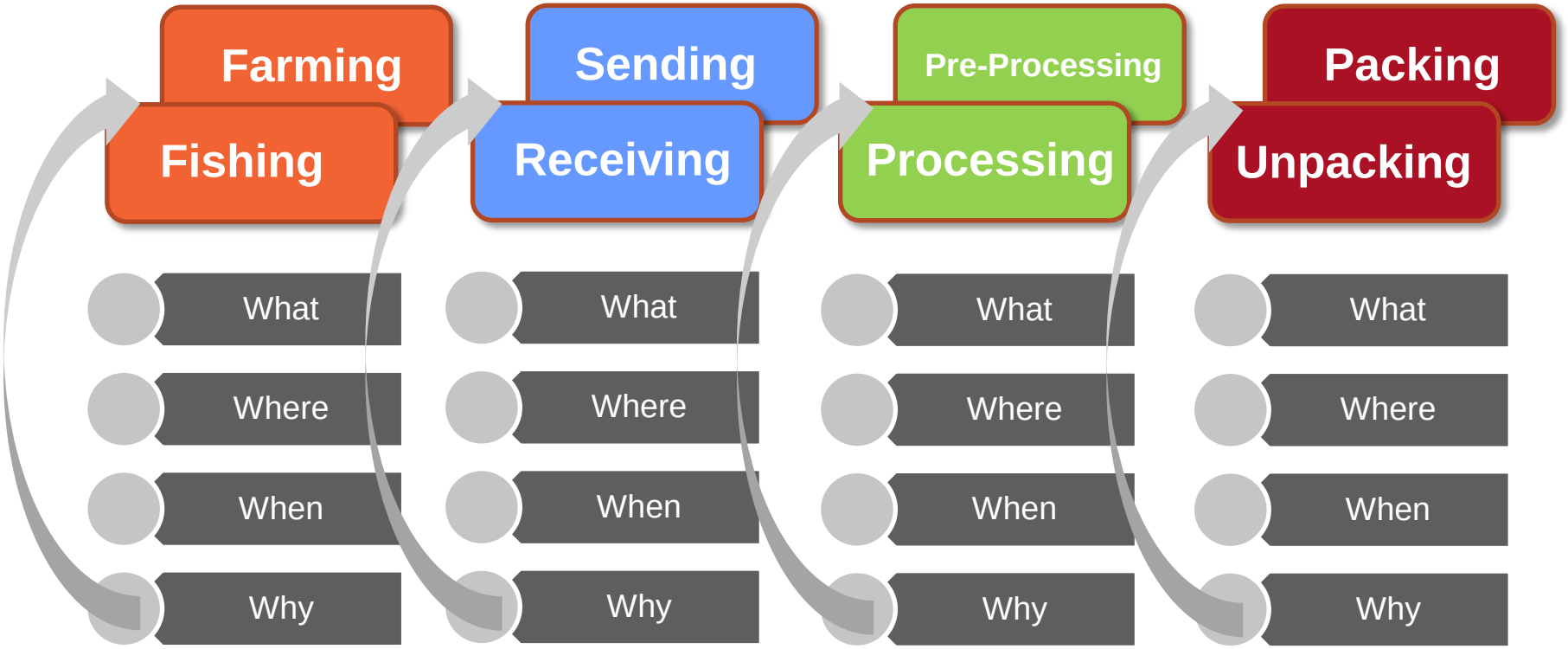
Der Seelachs lebt in Gewässern um Island, Spitzbergen, Norwegen und in der Nordsee. Durch das Skagerrak dringt er auch ins nördliche Kattegat vor. An Großbritannien vorbei zieht er bis in iberische Gewässer. Die wichtigsten Fangnationen sind: Norwegen, Faröer, Island, Frankreich, Kanada, Großbritannien und Deutschland.

Das hier vorliegende Los wurde in nachfolgendem Gebiet gefangen:

A. North Sea (Subarea IV)

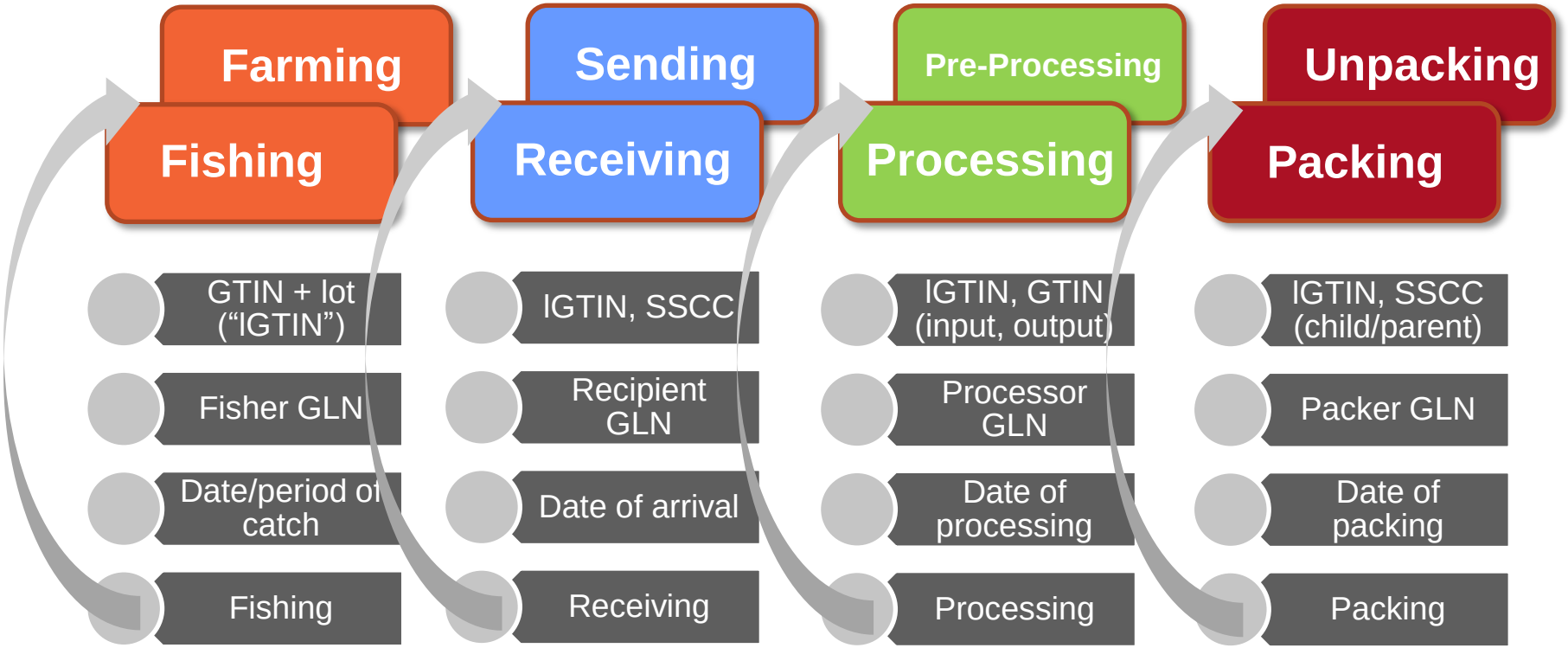
# Backup 04

## - Basic structure of EPCIS event messages used [1/2] -



# Backup 04

## - Basic structure of EPCIS event messages used [2/2] -




Instance/ Lot Master Data

- Catch area/location
- Unloading port
- Vessel ID / name
- Catch method
- Previously frozen?
- Best before date

- Best before date
- Previously frozen?