Integration of platforms
Port Community Systems
Opportunity / Advantages for Shippers

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IPCSA Ambassador

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The role of IPCSA

Representing Sea, Air and Inland Port Community System operators,

Sea and Air Port Authorities,

Single window operators around the world.

To act in their common interest.
In order to

- Promote the electronic exchange of information, using of Port Community Systems and Single Window platforms
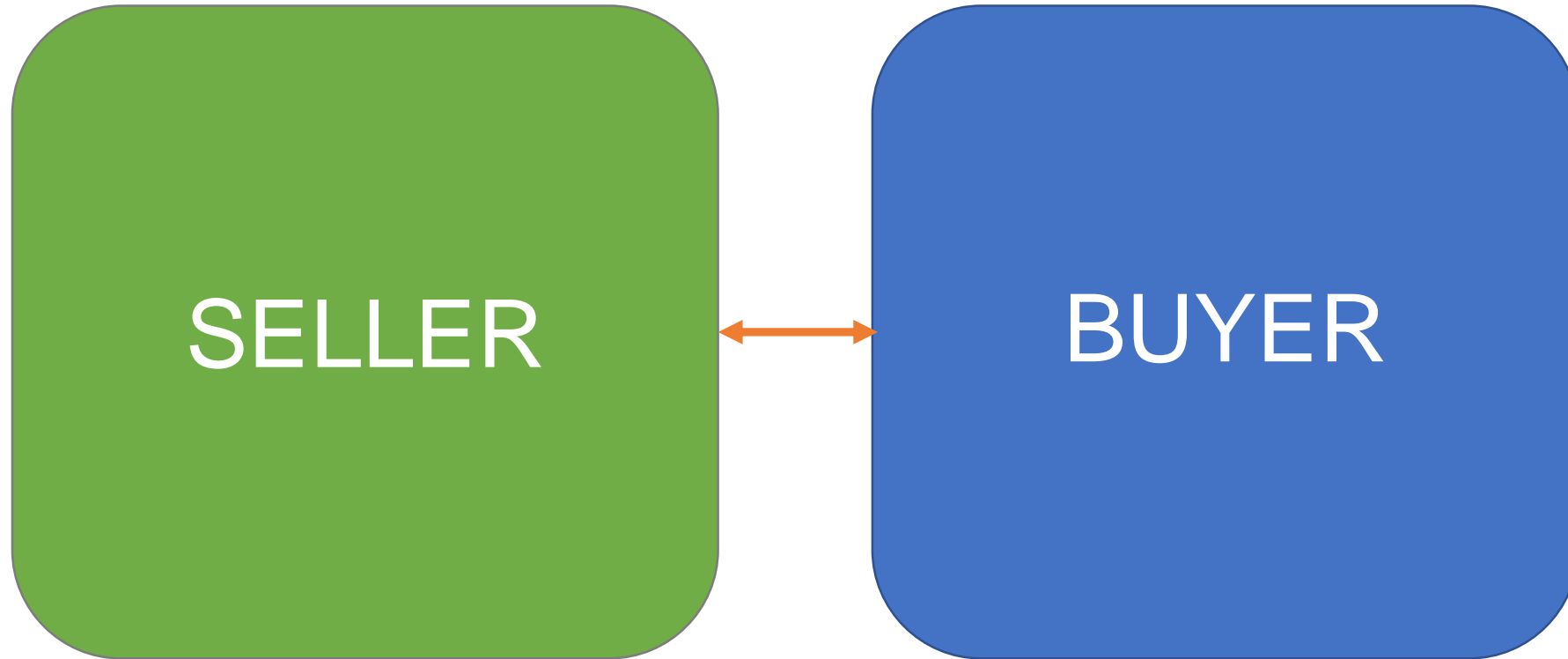
To enable

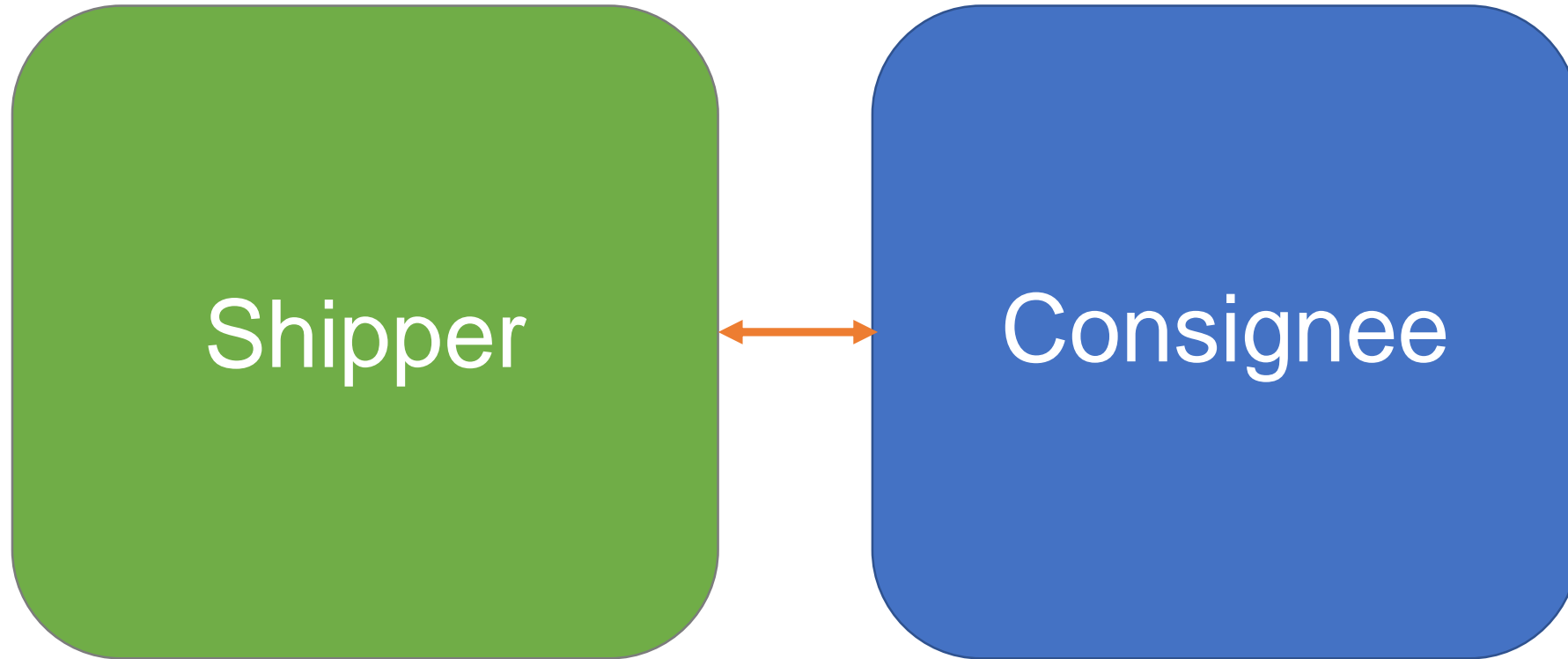- Seamless and efficient trade logistics processes.

This will be achieved through

- Practical initiatives and projects.
- Engagement with the global, regional and national logistics communities and relevant public bodies.
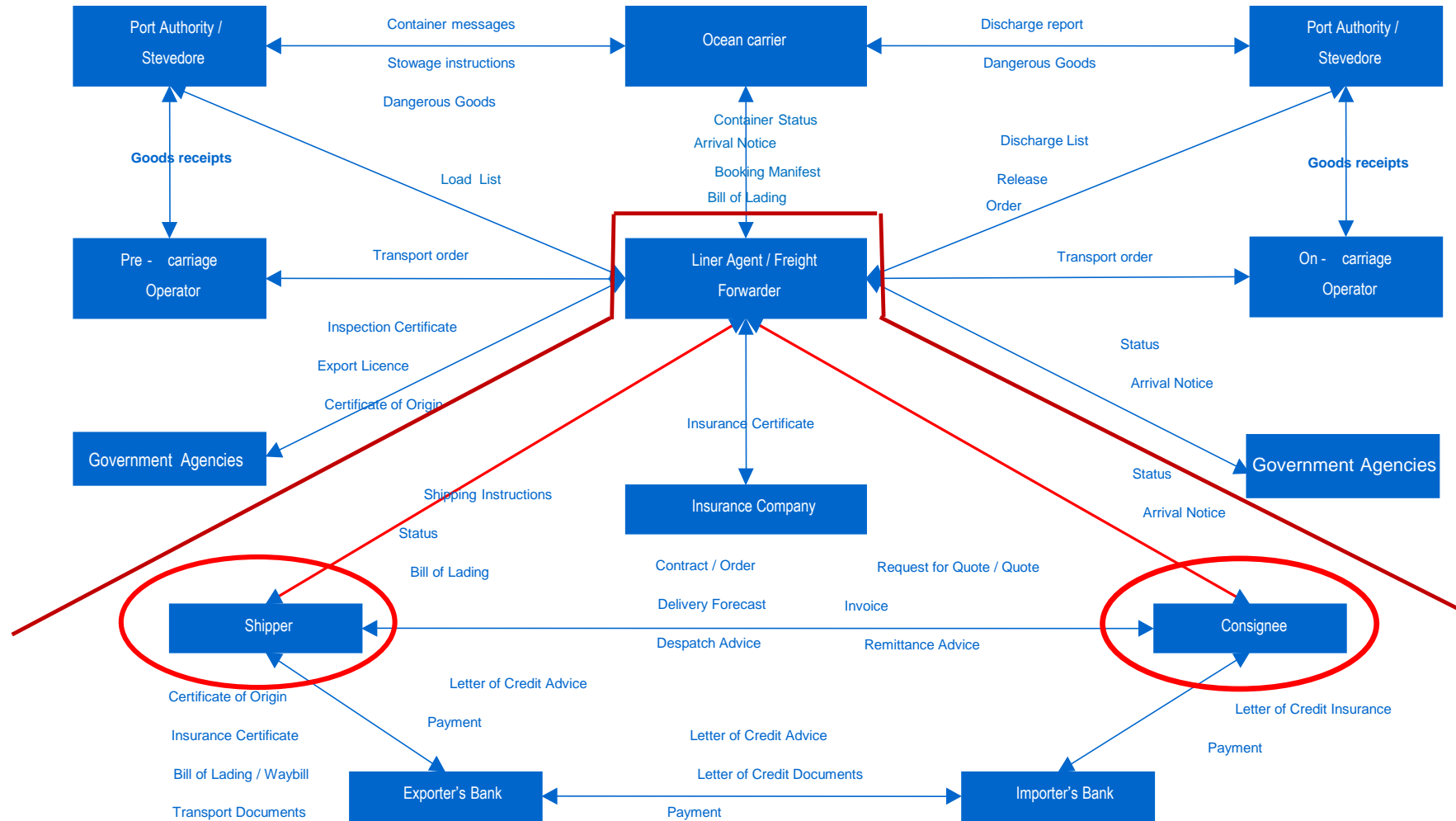
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It looks so easy

SELLER ←→ BUYER

It looks so easy

Logistic flow of information Seafreight

Port Authority / Stevedore — Container messages → Ocean carrier — Discharge report → Port Authority / Stevedore

Stowage instructions

Dangerous Goods — Dangerous Goods

Goods receipts

Container Status
Arrival Notice
Booking Manifest
Bill of Lading

Discharge List
Release
Order

Goods receipts

Pre - carriage Operator — Load List — Transport order → Liner Agent / Freight Forwarder — Transport order → On - carriage Operator

Inspection Certificate

Export Licence

Certificate of Origin

Status
Arrival Notice

Government Agencies

Insurance Certificate

Government Agencies

Status
Arrival Notice

Insurance Company

Shipping Instructions

Status

Bill of Lading

Contract / Order — Request for Quote / Quote

Delivery Forecast — Invoice

Despatch Advice — Remittance Advice

Shipper — Consignee

Certificate of Origin

Insurance Certificate

Bill of Lading / Waybill

Transport Documents

Letter of Credit Advice

Payment

Letter of Credit Advice

Letter of Credit Insurance

Payment

Exporter's Bank — Letter of Credit Documents — Importer's Bank

Payment

How to manage this complexity
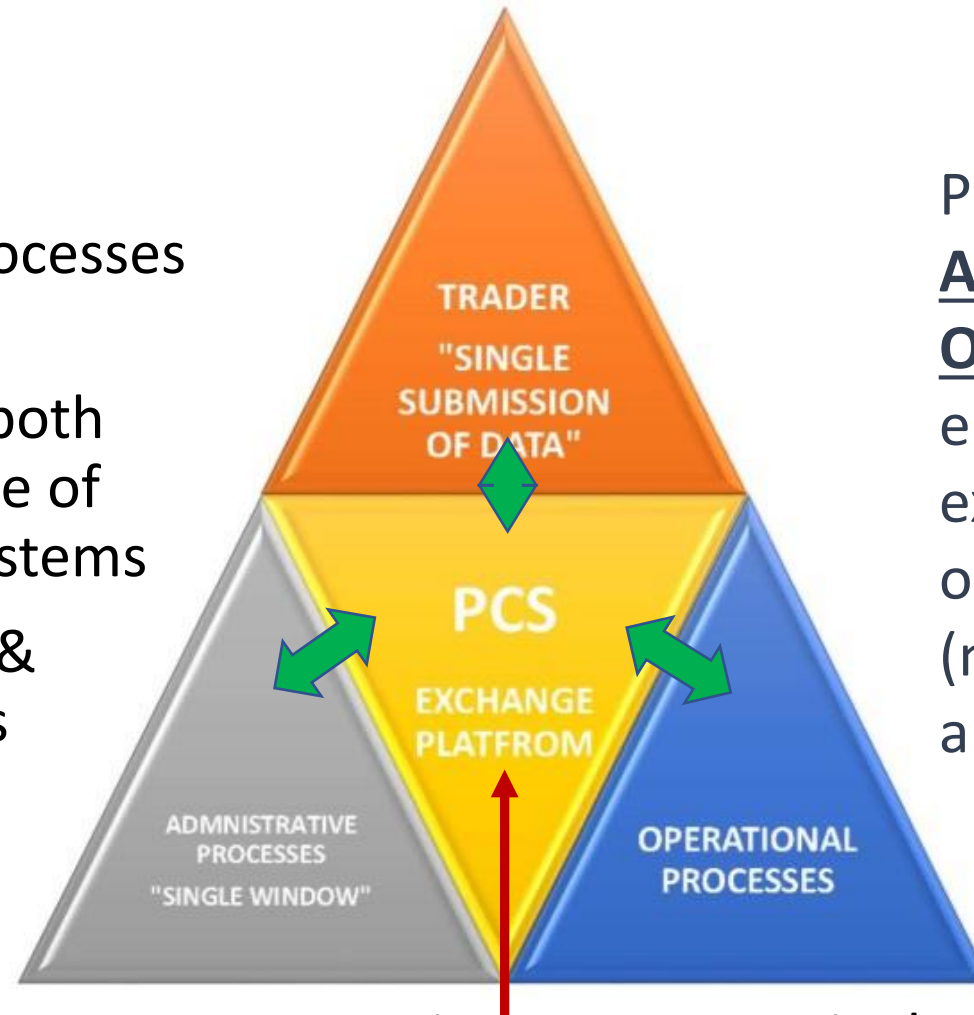
- Organizers
  - Carriers
  - Agencies
  - Forwarders
  - Shippers
  - Consignee

- Facilitators
  - Terminals
  - Depots
  - Road
  - Rail
  - Barge

- Supporting
  - Port authorities
  - Government agencies

In total abt. 40 players per port are active in the port related processes

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PCS – A Trade Facilitation Tool

A PCS:

- Links administrative processes to operational ones

- Thus re-using data for both purposes and the re-use of existing Information Systems

- Creating Transparency & reducing trade burdens

- Can also act as a Gateway into a Single Window

TRADER "SINGLE SUBMISSION OF DATA"

PCS

EXCHANGE PLATFROM

ADMNISTRATIVE PROCESSES "SINGLE WINDOW"

OPERATIONAL PROCESSES

PCS thus link **Administrative** and **Operational** procedures electronically via the exchange of messages and on an end to end basis (machine to machine) with all stakeholders.

Port Community Systems as single submission portal
(UNECE recommendation 37)

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# Some highlights about Port Community Systems
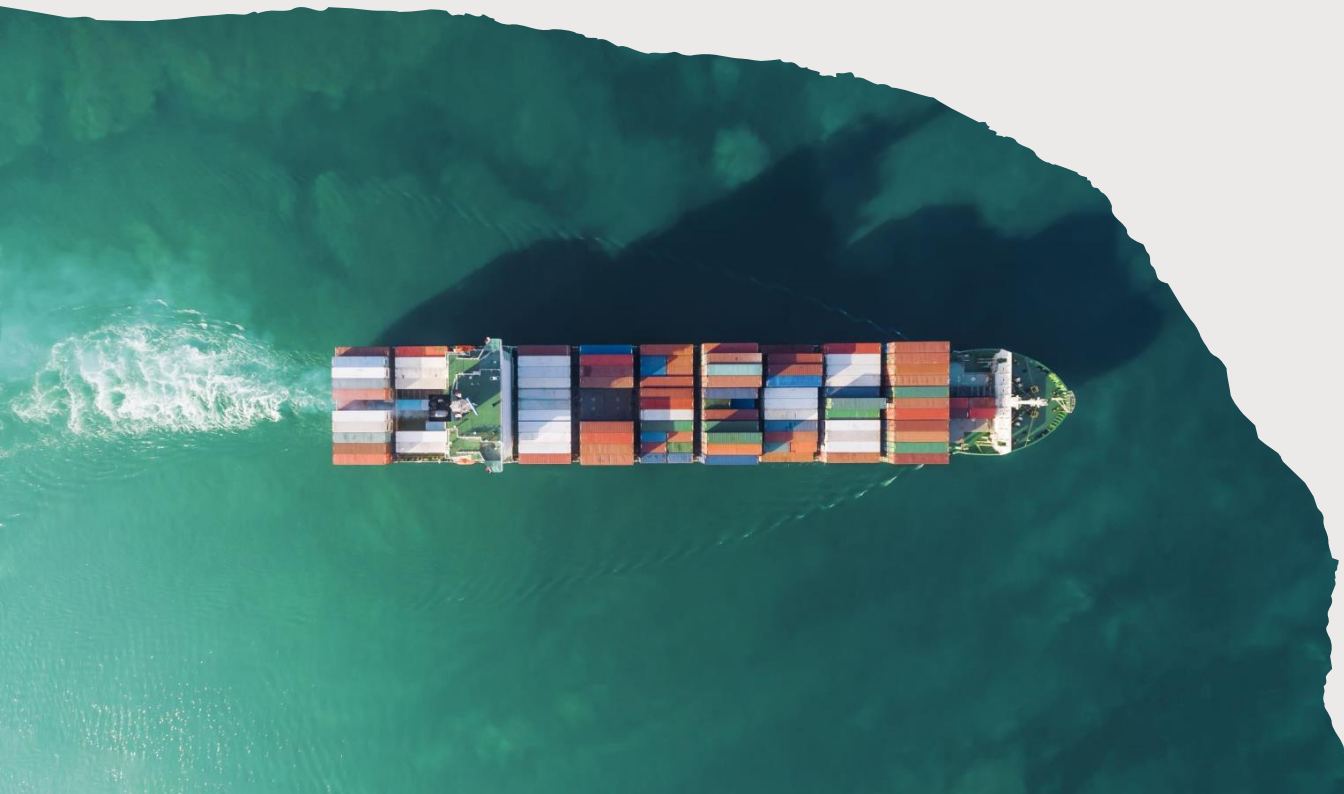
- Ports that have adopted a Port Community System as part of their critical infrastructure offer better transparancy and accurate data about logistic information.

- A Port Community Systems is seen as a neutral and trusted party with no commercial interest.

- The processes they support for the community are those that are necessary to optimise the port throughput to the maximum level.

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The Port Community System –
Enabling shippers to get direct information about the status of their cargo in and around the port area (port centric)

Without PCS information **partly** direct available
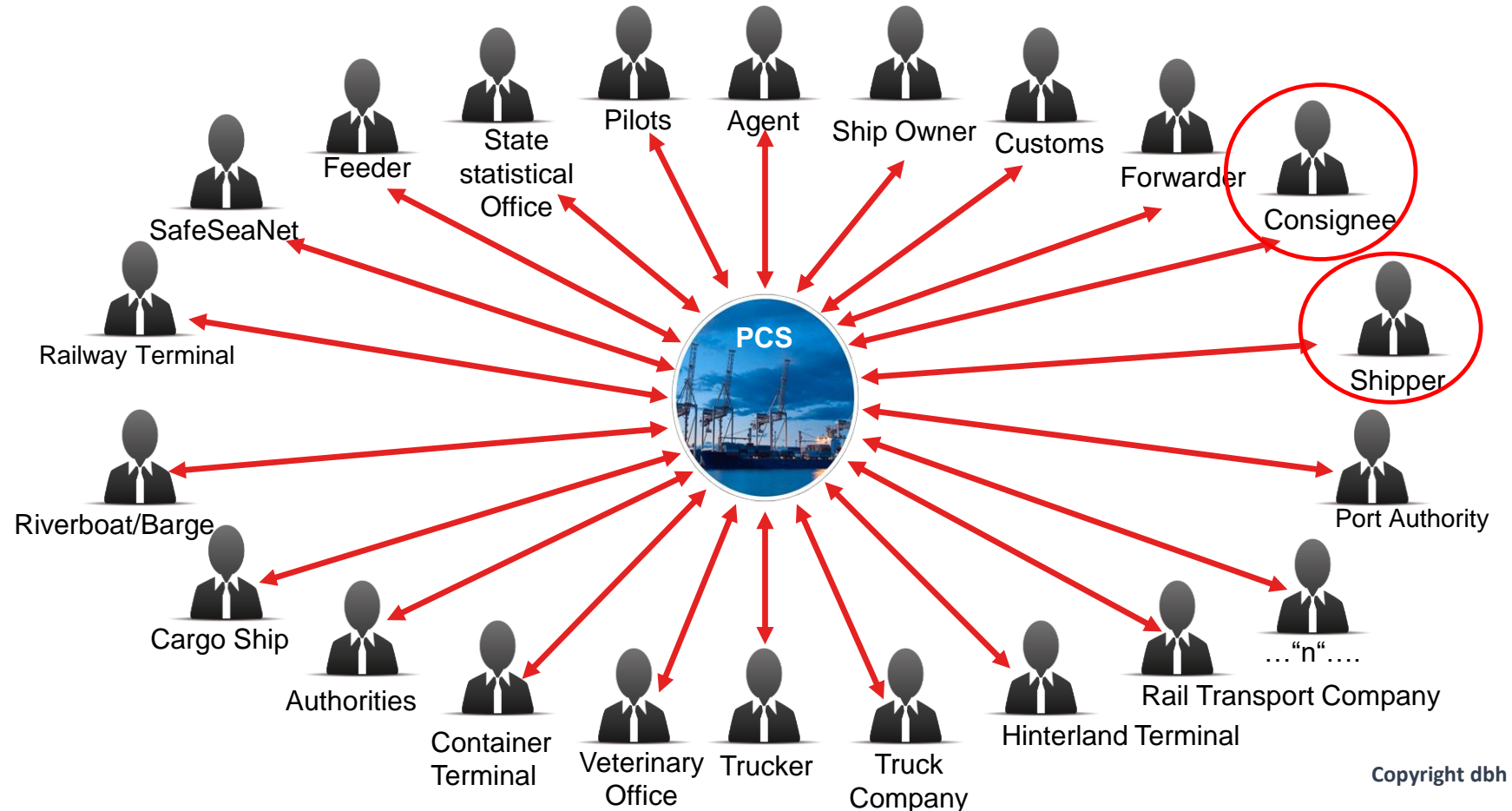
With the use of a PCS **complete** information package direct – real time available

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Shippers needs in Track & Trace

How to get this organised

- Your aim is to get as much as possible transparancy about the whereabouts of your cargo.

- To achieve an optimised transport chain from factory to retail.

- In most cases you rely on the information from your contract partner taking care of the formalities for export or import the cargo incl the local transport.

- But more and more we see that shippers want to have Track & Trace details direct and realtime.

- The more parties that are involved, the more complex it will be to get the correct information in time.

- The Port Community System is the ideal one-stop shop to direct retrieve the information needed.

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But what about track & trace cross border

- All of us as private persons are used to eCommerce these days.
- When buying something, you get immediately the confirmation.
- You are notified or able to track and trace your cargo at any moment during the transport of the goods.
- But what in the present situation when talk about track & trace of your cargo businesswise.
- A path full of blind spots.

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From
Port centric
approach
to
Cross border

- IPCSA created a unique cross-border data exchange platform globally.
- Between Port Community (PCS), Single Window operators (SW) and Port Authorities (PMS).
- Facilitate mechanisms for contractual and operational arrangements between these parties.

- It is not a Data Platform.

Enabling now:

- Vessel-voyage and cargo track & trace information.
- Easy and secure data exchange between trusted, neutral third-party platforms. (PCS, SW, PA)
- Increase of reliable and timely information along the supply chain.
- Pilot till mid 2023 between IPCSA members.

https://notn.ipcsa.international/

Cross border exchange of data
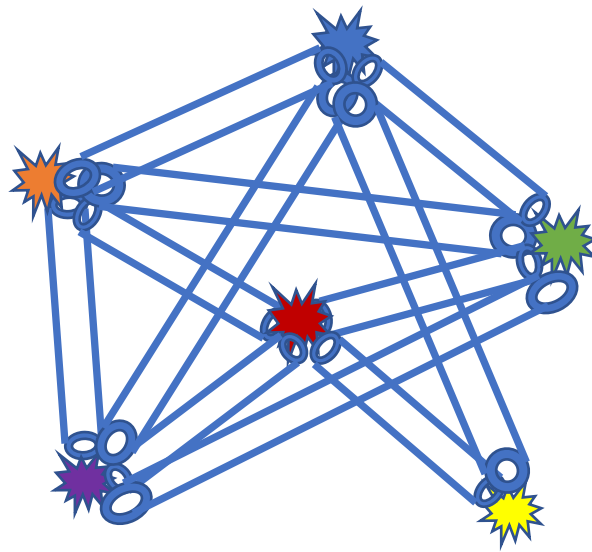
- Datapipeline construction.
- Many Point to Point connection between nodes.
- Bilateral agreements.
- Security procedures bilateral.
- Complex administration.
- Complex maintenance.
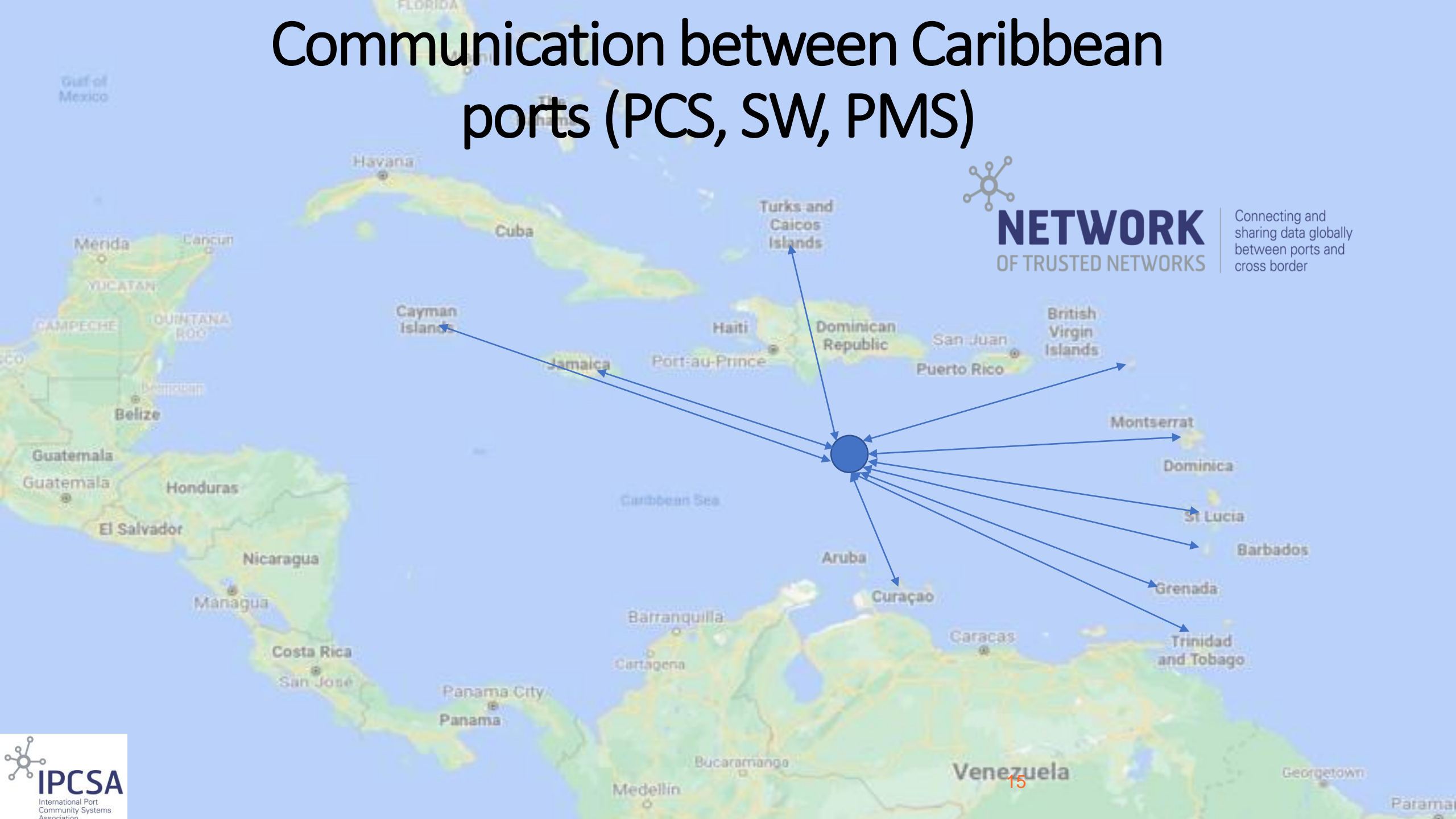- Variety on authorisation and authentication setup.

NETWORK
OF TRUSTED NETWORKS
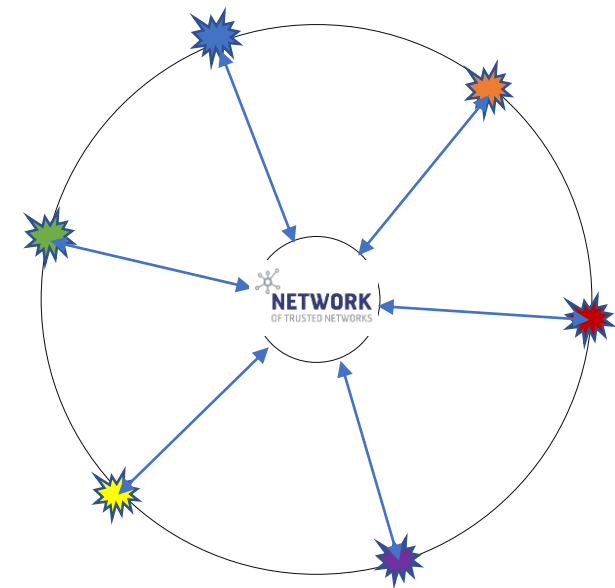
- API Enabler construction.
- Central technical node for multiple connections.
- Simple connection procedure.
- Terms & Conditions structured.
- Agreements structured and automated on technical node.
- Standardized and Harmonized API setup.
- Strong security rules on technical node for all connections.
- Structured authorisation and authentication setup.
- Simple administration.
- Central maintenance procedure.

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Three examples that are ideal for Cross Border data exchange

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Communication between Caribbean ports (PCS, SW, PMS)

From bilateral port centric communication approach
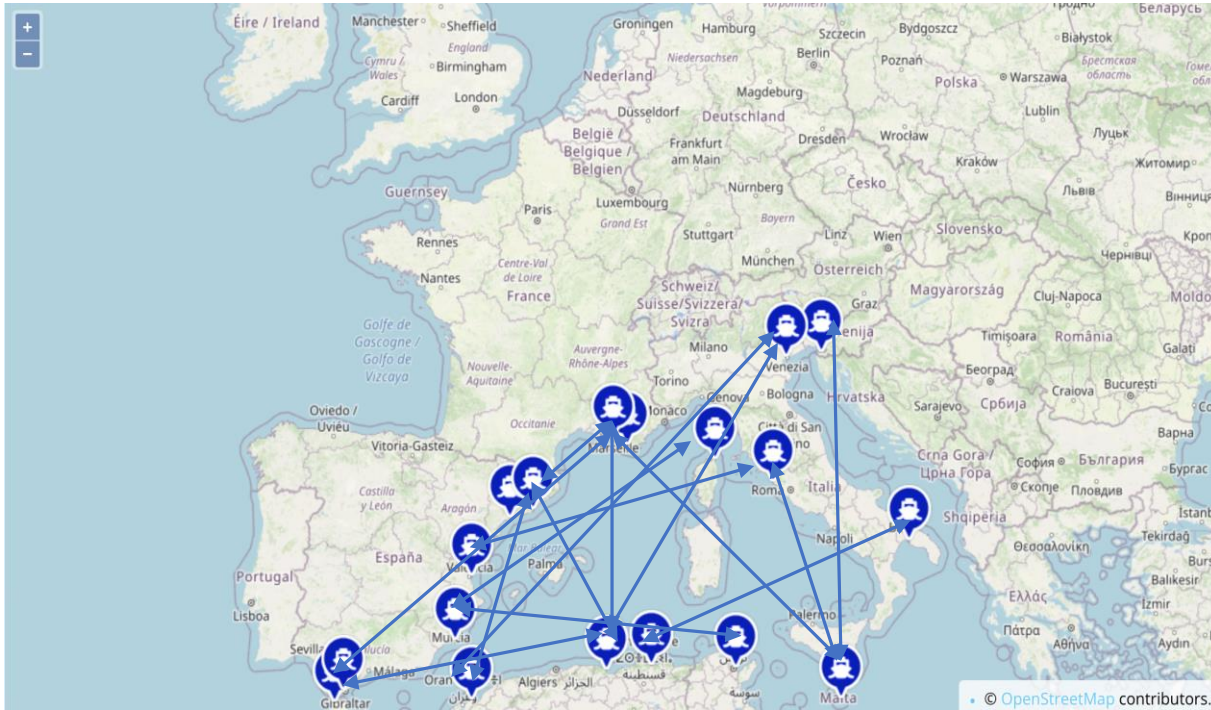
Standardised, harmonised, interport operability
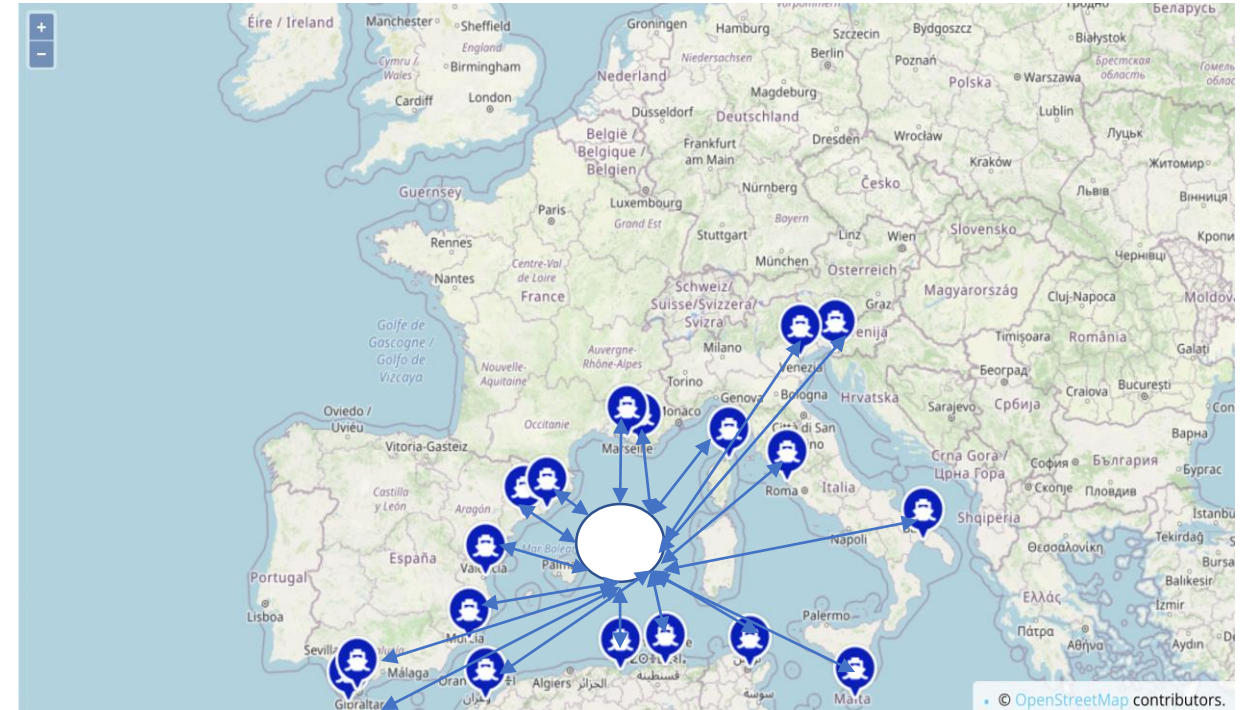
NETWORK OF TRUSTED NETWORKS | Connecting and sharing data globally between ports and cross border

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DUETs
Data driven Ukraine – European Union Transport solutions

Speeding-up UA-EU corridors through digital data sharing NOW

Network of Trusted Networks

as exchange platform between

Ukraine	(PCS PL 33-35)
Romania	(CNS Constanta)
Poland	(Polski PCS)

IPCSA members active in the NoTN pilot

- Portic Barcelona
- Port of Bilbao
- Portnet Maroc
- Djibouti Port Community System
- Port of Antwerp-Bruges
- Soget Le Havre
- Dakosy Hamburg
- Kale Logistics Mumbai
- IPCS Israël
- Logink China

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Integration of platforms: Port Community Systems

Opportunity/ Advantages for shippers

- Port centric
  - Call your local Port Community System operator for support.

- Cross border
  - Contact IPCSA for more info.
  - IPCSA can bring you in contact with your local PCS provider who together with you will look into possibilities to deliver cross border track and trace using the Network of Trusted.
  - And of course you can contact one of the pilot PCS operators direct.

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