BusinessCode

IATA

#IATACEC

open logistics foundation

Implementing standards through open source: The power of an OS air cargo community

Who am I?

Your reliable partner - since 1999

BusinessCode

BlueBox SYSTEMS

CONSULTING | TECHNOLOGY | DEVELOPMENT | RUN & SUPPORT

End – 2 – End Support

- For over 20 years, we have been serving our worldwide customers from our location in Bonn, Germany
- Comprehensive support for international companies and SMEs
- In-depth industry knowledge in logistics and beyond
- More than 500 successful projects – convincing experiences
- Since the management buy-out (MBO) in 2020, BusinessCode has been owned by its employees

CEO of BusinessCode
Diploma in Computer Science
With BusinessCode since 1999

open logistics foundation

Megatrends shaping IT

- **Cybersecurity** is paramount and will be even more in the current political situation. This is especially true in logistics as critical infrastructure (NIS-2).
- **Virtualization** (Cloud or on-prem) enhances efficiency and resource utilization for our IT solutions and allows for scalable and flexible IT services.
- **AI** drives innovation and if used carefully and according the AI Act it will help to improve and speed up decision-making processes in enterprises.
- **Connectivity** – Businesses as well as their IT landscape do not exist in silos but are interacting with partners, customers, suppliers, regulators, ...

BusinessCode

- **Your Partner in using these trends for your business success.**

Let‘s find better solutions. Together!

open logistics
foundation

- Open Logistics Foundation **established in 2021.**
- **Non-profit and common benefit** foundation.
- More than **50 members** and network partners.
- **Neutral partner** for coopetition.
- Focusing on **joint implementations**.

Our vision

We foster jointly developed, free open source solutions to shape the (industry) standards for the logistics of tomorrow.

Our mission

In our vibrant community, we facilitate the unbiased, collaborative development of open source software services and components for commoditised processes.

Uicons by Flaticon
www.flaticon.com/uicons

Founding Member of the OLF

DACHSER Intelligent Logistics

DB SCHENKER

duisport

RHENUS LOGISTICS

Better use your resources for differentiation, develop commodities collaboratively!

- We need to step away from silo thinking.
- Complex supply chains require efficient organization.
- Full digitalisation of logistics demands collaboration between all stakeholders.
- Individual efforts alone cannot meet industry-wide challenges.

The challenges of digitalisation are too big for any one company to tackle alone.

Stefan Hohm, CDO Dachser

Uicons by Flaticon
www.flaticon.com/uicons

Showcase from another industry

FINOS

Fintech
Open Source
Foundation

We're a Community Creating Open Source Solutions for Financial Services

FINOS unites the financial services industry to collaboratively build open technologies and standards that enhance profitability, improve resilience, and accelerate innovation.

BMO

citi

Goldman Sachs

UBS

BofA SECURITIES

BlackRock

Capital One

Uicons by Flaticon
www.flaticon.com/uicons

Open source is everywhere.

Software is eating the world.

Mark Andreessen, VC, 2011

Open source is eating software faster than software is eating the world.

Joseph Jacks, VC, 2022

Cornerstone of modern software development

- 96% of firm codebases contain OSS
- 76% of code in firm codebases is OSS

Cutting-edge technologies are all based on OSS

- AI
- quantum computing
- big data
- data analytics

Uicons by Flaticon
www.flaticon.com/uicons

Hoffmann, Nagle and Zhou, The Value of Open Source Software
http://dx.doi.org/10.2139/ssrn.4693148

The value of open source is enormous.

3.5x

Efficiency Factor
Additional spending required without open source

$8.8T

Cumulative Value
Total demand side value of open source software

$3.4T

Global Investment
Private firms' spending on prepackaged software

// Without open source, firms would need to spend significantly more on software development. //

Uicons by Flaticon
www.flaticon.com/uicons

Hoffmann, Nagle and Zhou, The Value of Open Source Software
http://dx.doi.org/10.2139/ssrn.4693148

The OLF Working Groups - creating open source solutions

Electronic Transport Documents

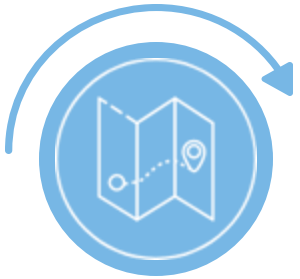
Focus on digital transport processes.

Digital Air Cargo

Focus on efficient data exchange in air freight.

Open Customs Blockchain

Focus on reduced border delays and digital data exchange.



Track & Trace

Definition of an event and notification model for the transport process.

Enabling Logistics Decarbonisation

Standardised data framework for exchange of emissions-related transport data.

We need a Global Digital Cargo Open Source Community.

Intermodal Transport

Connecting hinterland and intermodal transports with road transport.

One Record Implementation

Realizing and broadening the use of ONE Record via NE:ONE.

Yard Management

Time slot management for hubs and terminals.

// Air freight should not be considered in isolation but always together with other ecosystems, different transport modalities and industries.//

Uicons by Flaticon
www.flaticon.com/uicons

Roundtable workshop with the Air Cargo community
15th May 2025

Potential topics for collaboration
Selection of potential topics suitable for a collaborative approach

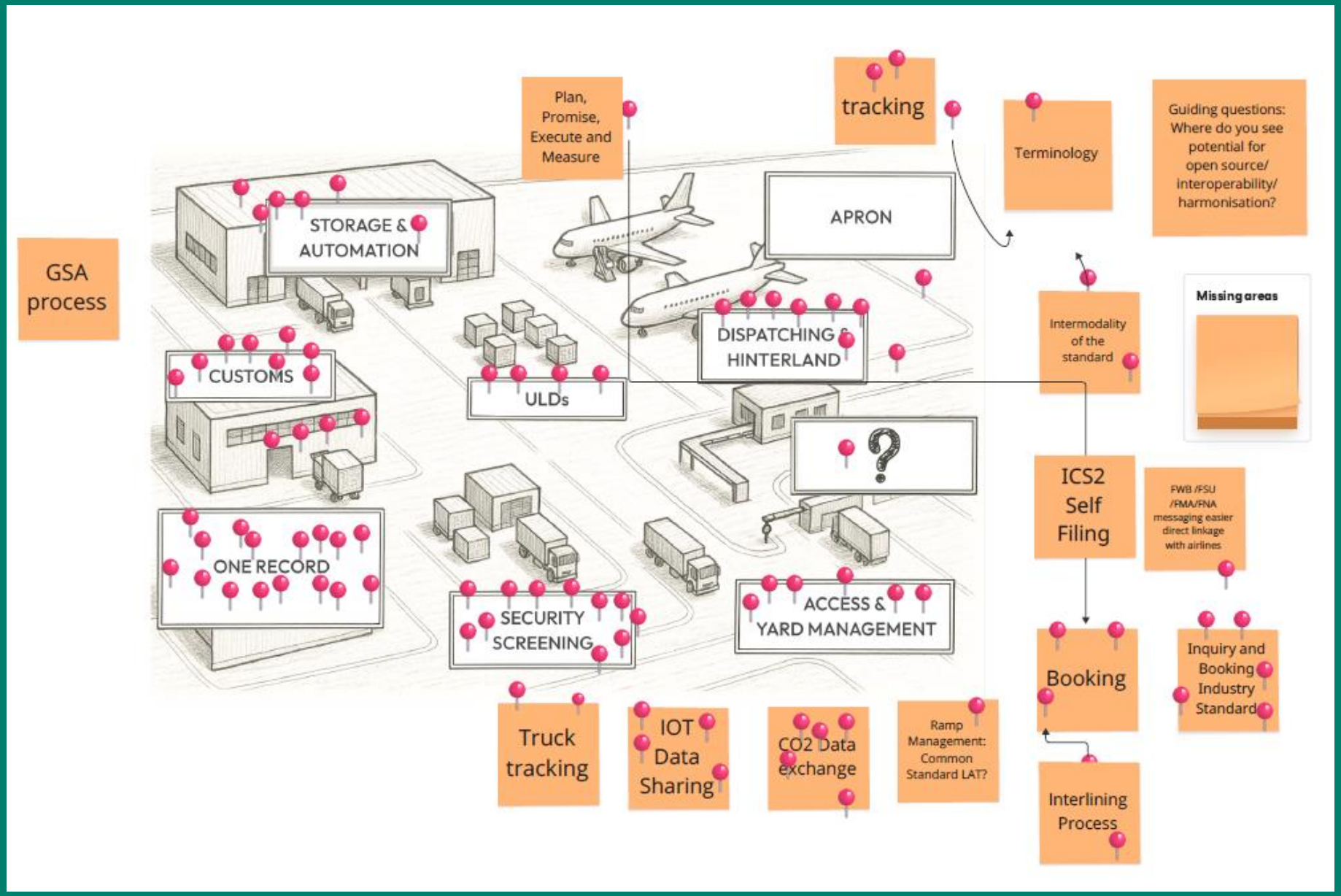
Like-minded companies
Companies willing to collaborate in specific topics

// This event marks the start of first collection, and if you are interested, there will be detailed discussions on selected topics. //

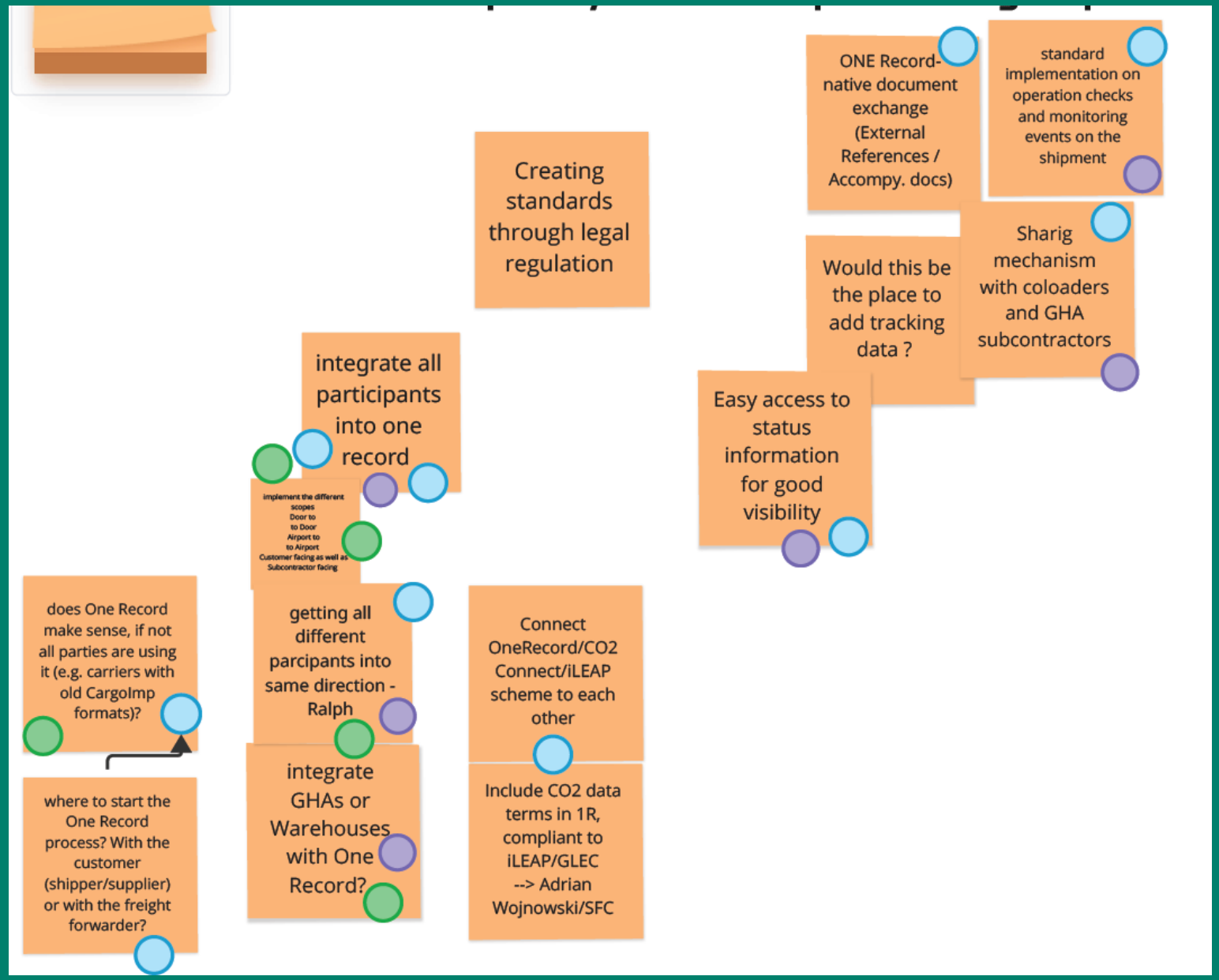
Participating companies from various backgrounds

Uicons by Flat
www.flaticon.c

Identified areas for Collaboration and Open Source



Ideation process on OneRecord activities



A unified data center to which all parties involved in the transport are connected to receive data (e.g. status data, shipment data, documents) and send data

Is there an idea of a "translator" for 1R to Cargo IMP?

Can IR along with Computer Vision/Images simplify the claim processing simpler.
Eg: The history of the shipment should be part of the IR and when the user raises the claim, the AI agent can fetch the data, verify and process the claim. Same can be used for tracking the shipment status

Open source can only reach its full potential with a strong community.

We develop open source **solutions** and **projects**.

We are an interactive and diverse **community**.

We provide a **neutral space** for collaboration

// The OLF provides the perfect setting.

Uicons by Flaticon
www.flaticon.com/uicons

The OLF is convincing with its strong governance.

open logistics
foundation

- We assure **professionalism** and a **long-term approach** to joint projects.
- We are guided by a **clear governance** of antitrust, IP and licensing issues.
- We offer **technical expertise** and project organisation for cross-company teams.
- We create a **managed community** of open-minded companies and individuals.

OLF member overview

Logos arranged in order of membership signing