



eFTI doesn't replace eCMR –
It complements it

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.
- Focussing on **joint implementations.**

Our member overview



Logos arranged in order of membership signing

Why open source?

The value of open source is enormous.

3.5x

Additional spending for software
required without open source software

96%

Enterprise codebases include
open source software



\$8.8T

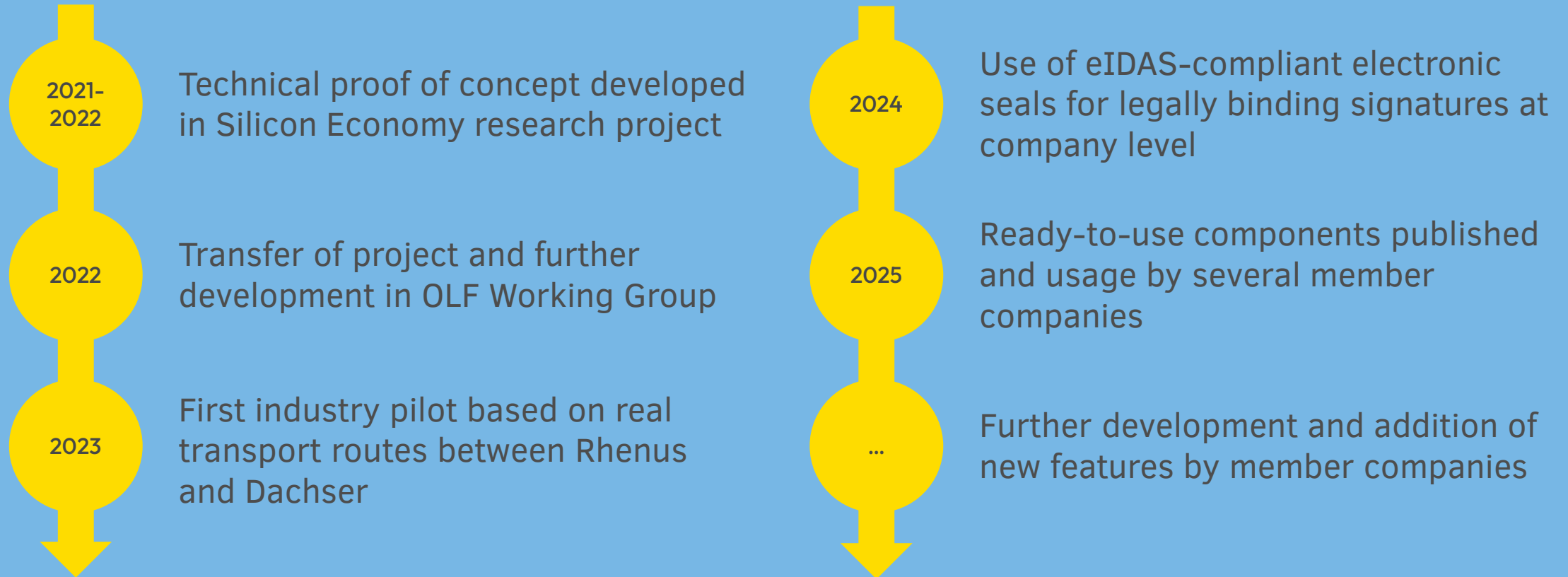
Total demand side value of
open source software

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



Explore the OLF-eCMR

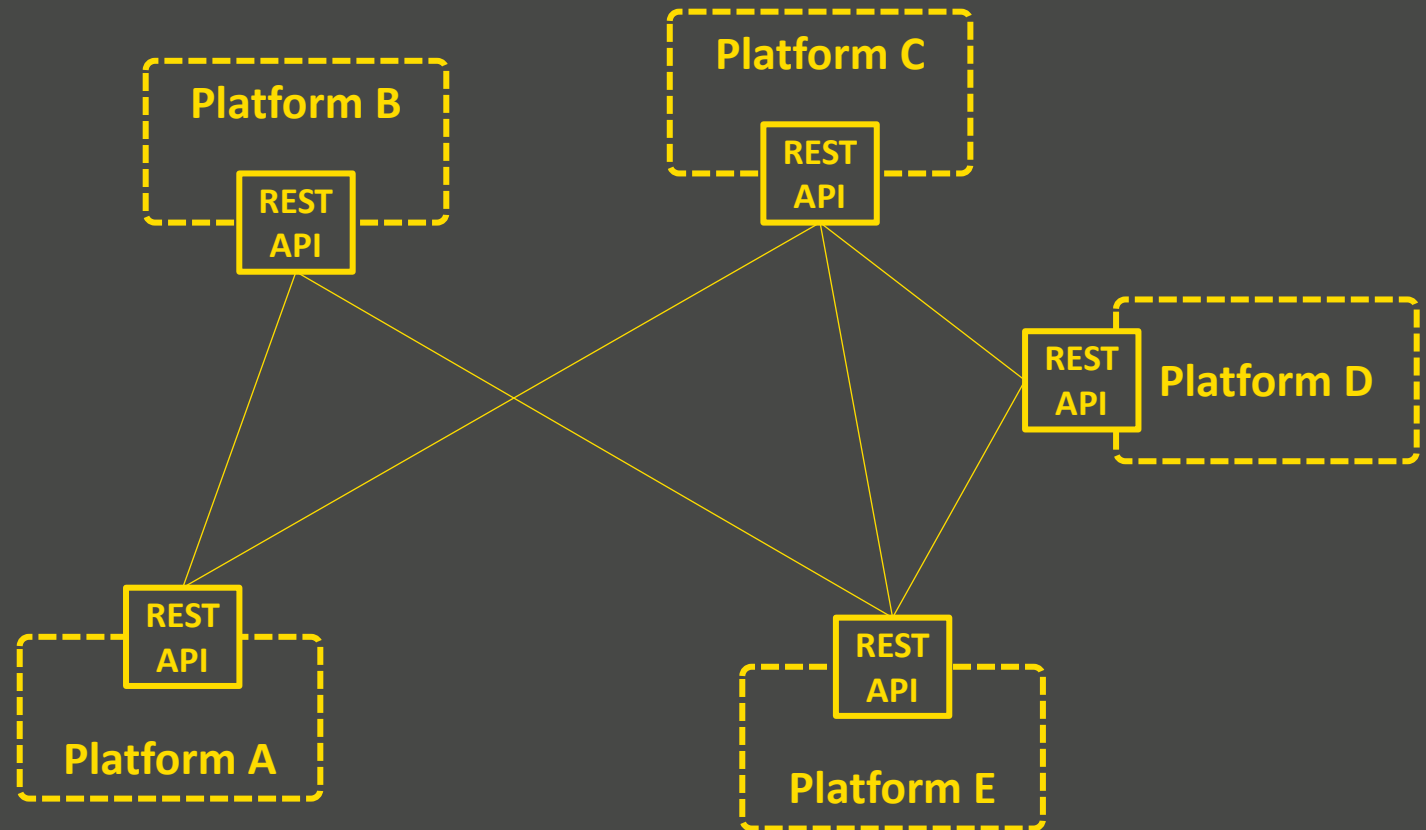
Short history of OLF-eCMR



Silicon Economy project (2020-2025) funded by German Federal Ministry of Transport.

Network of federated platforms

- Broad usage of eCMR can only be achieved by maximising compatibility
- Common infrastructure for the compatible exchange of eCMRs regardless of the platform
- eCMR business models should not be characterised by differentiation at data and compatibility levels but should focus on other things such as usability, price, etc.



eCMR open source components



All components are published in the OLF repository

1. eCMR data model (derived from UN/CEFACT and IRU template)
2. eCMR instance with
 - (Optional) Frontend
 - Backend with basic services (like creation, sharing, etc.)
 - API (using the eCMR data model) for sharing eCMRs with other instances
 - API (using the eCMR data model) for importing eCMR (e.g., from TMS/ERP)
3. Advanced electronic seals
 - Signing eCMRs as legal entities (eIDAS conform)
 - Verifying signed eCMRs



Two options for the eCMR usage

Deployable and fully
operational instance



Individually usable
components and API



Deep dive into eCMR project



<https://git.openlogisticsfoundation.org/wg-electronictransportdocuments/ecmr>

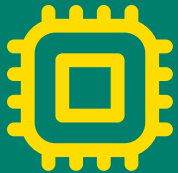
eFTI and eCMR,
a perfect match?

eCMR vs. eFTI

	Electronic consignment note (eCMR)	eFTI Regulation
Information exchange / interaction type	Business-to-Business (B2B)	Business-to-Authorities (B2A)
Legal basis	Supplement of the 1956 Convention on the International Carriage of Goods by Road (CMR) by the eCMR Protocol in 2008	Adoption of EU Regulation 2020/1056 in 2020
Content	Legal equality of the electronic consignment note to the paperbased consignment note	Acceptance of digital transport information by authorities
Category	Electronic „document“	Data model & architecture
Scope of application	International, CMR member states	EU (all member states)
Mode of transport	Cross-border freight transport, road	(Cross-border) freight transport, all modes of transport
Exchange of ...	Information under private law (contract between sender and carrier); often used by authorities	Information required by EU and national law for authorities in the transport of goods

Complementary roles of eCMR and eFTI

Both, eFTI and eCMR, are complementary and pursue the common goal of enabling paperless freight transport in Europe.



- eCMR can easily serve as a data source for eFTI platforms:
 - Digital information are already available at company level
 - Simple and easy transfer into eFTI data model / to eFTI platforms



- eFTI ensures legal acceptance of digital information by all member state authorities:
 - Inconsistent and individual national regulations will be replaced
 - Providing legal certainty all over Europe for transport companies and IT providers



Get in contact with us!

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Check our website to get more
information about our work:
www.openlogisticsfoundation.org



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