

The Erex logo consists of the word "erex" in a white, lowercase, sans-serif font, positioned inside a green square. Below this square is a smaller green square containing the text "by Eress" in white, lowercase, sans-serif font.

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eress

A dive into Erex and standardization timeline from EU

Dyre Martin Gulbrandsen
Director, Eress

EU
standardization
timeline & Erex

Erex, a quick
walkthrough

AGENDA

June 13, 2018

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Erex, a quick
walkthrough



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Erex, a quick
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EU standardization
timeline



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EU standardization
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Erex &
coverage of
EU standards

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Erex A quick walkthrough

Erex

A quick dive into Erex







Calculating cost based on variable data

Settling the correct amount of kWh to the correct customer with the correct price and related data



Correct invoice
Statistics
Reports

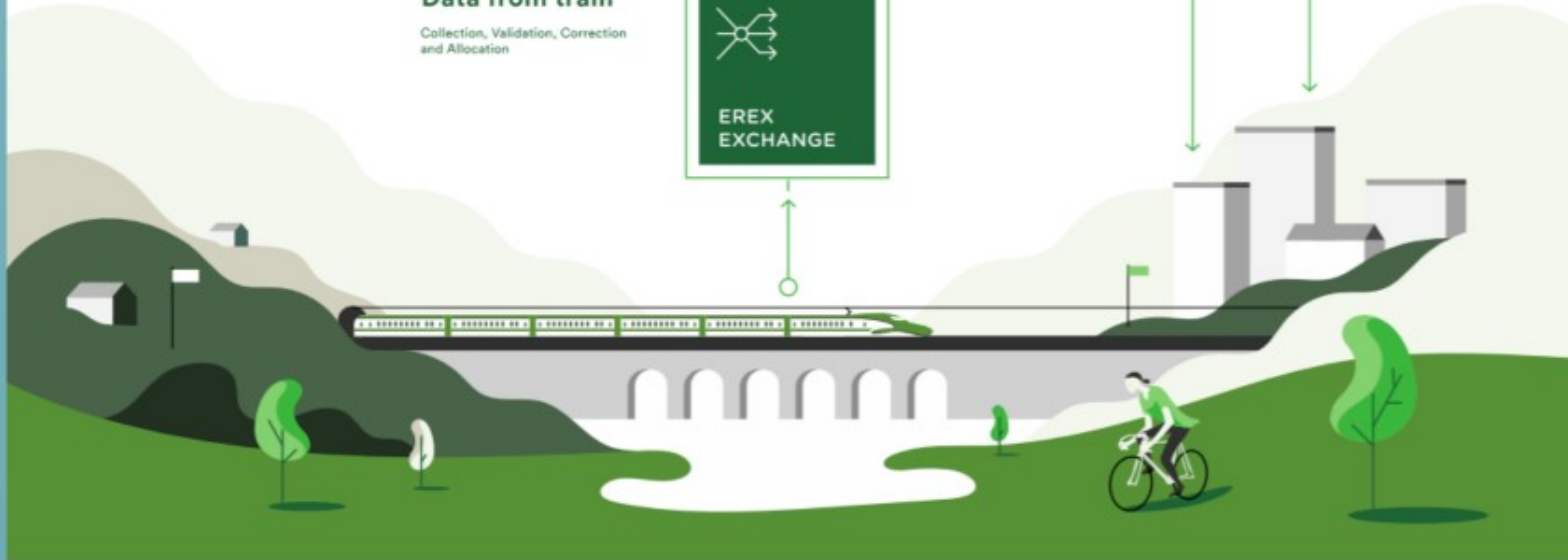


Infrastructure
manager

Train
operator

Data from train

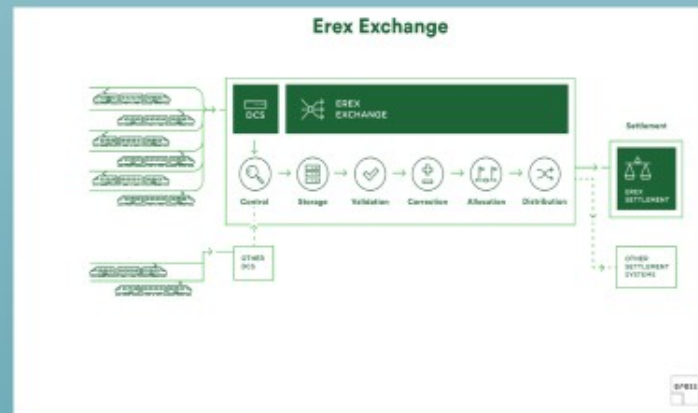
Collection, Validation, Correction
and Allocation



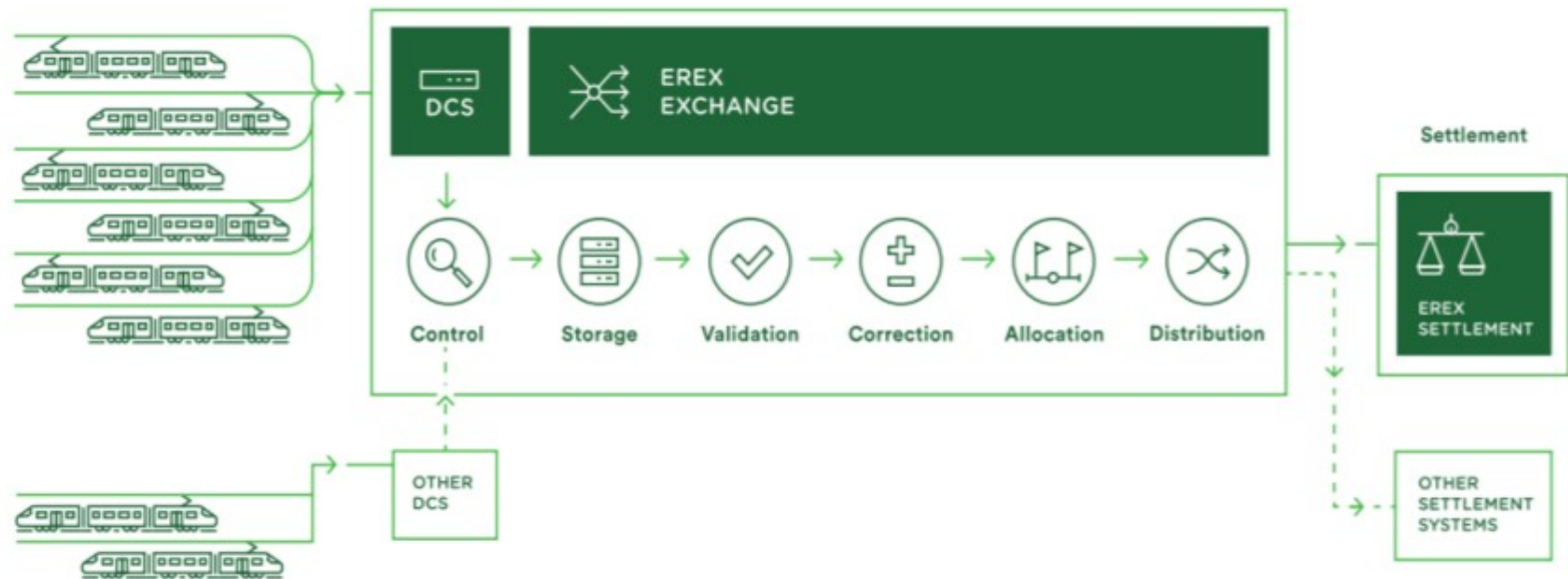
Erex overview



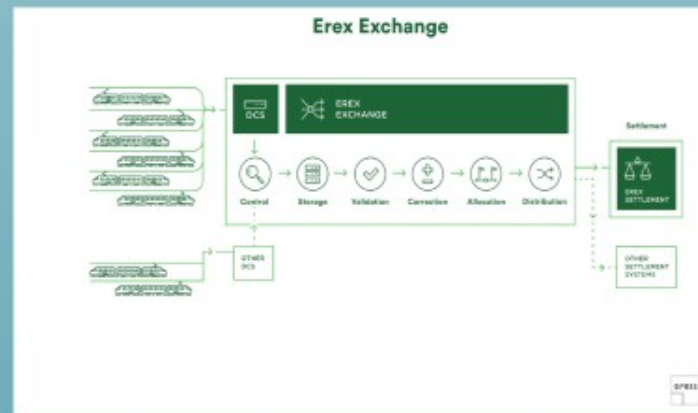
Overview of Exchange



Erex Exchange



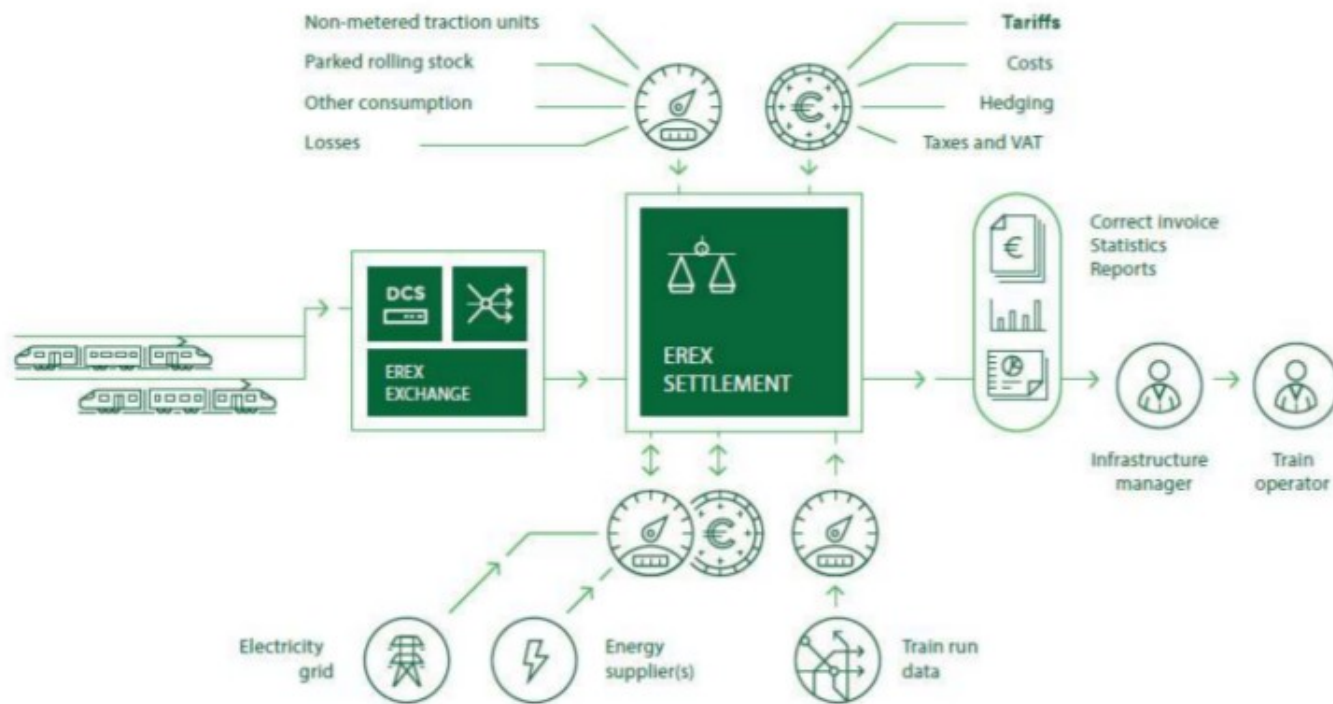
Overview of Exchange



Overview of settlement



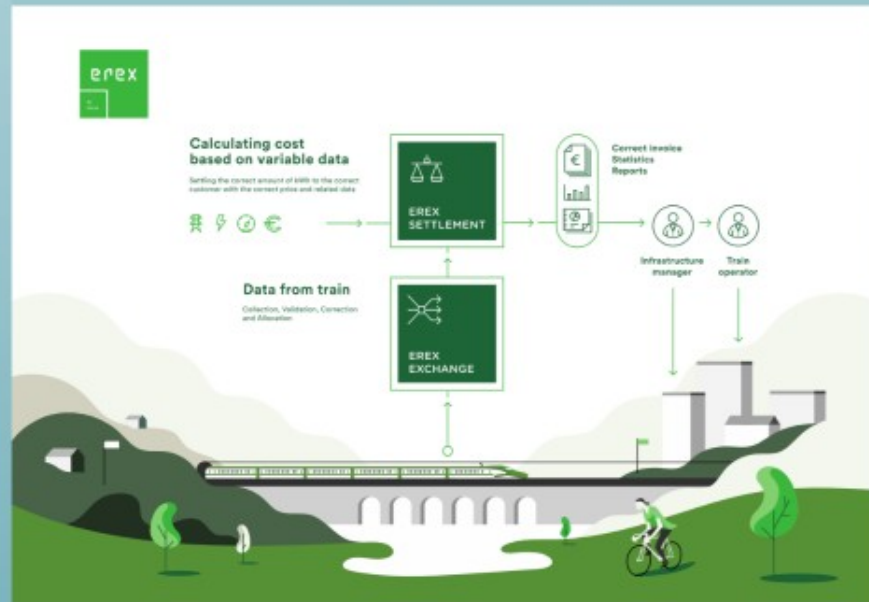
Erex Settlement



Overview of settlement



Erex overview





Calculating cost based on variable data

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Correct invoice
Statistics
Reports

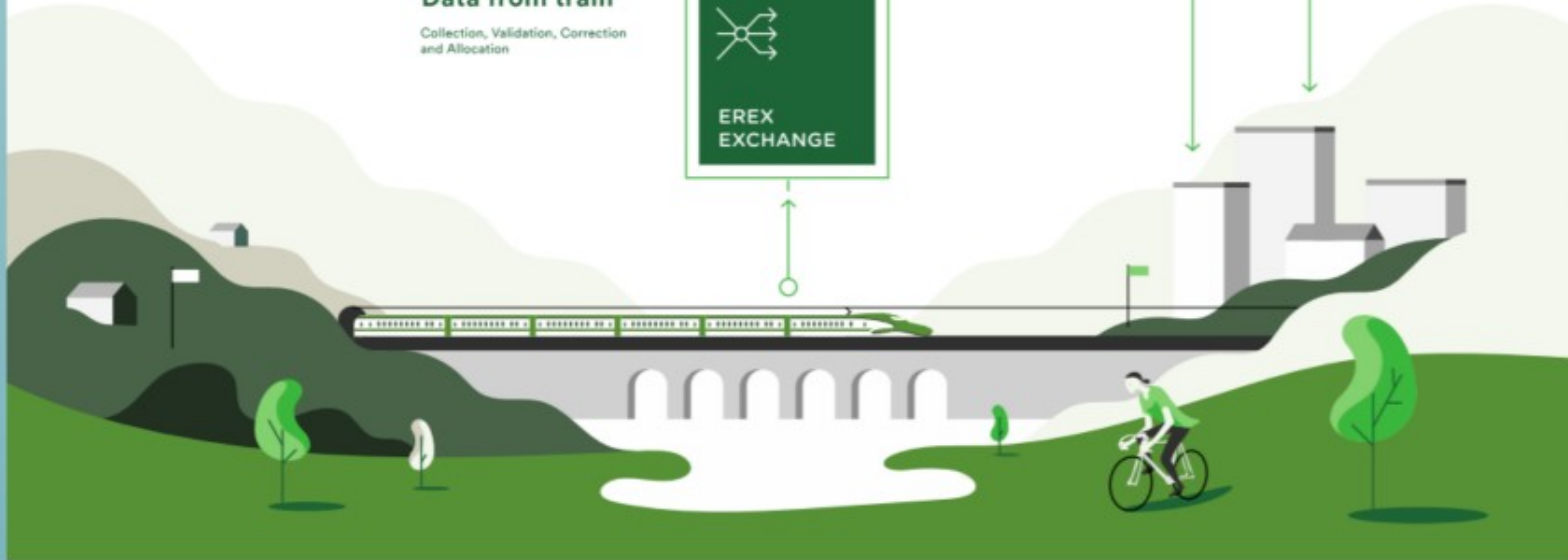


Infrastructure
manager

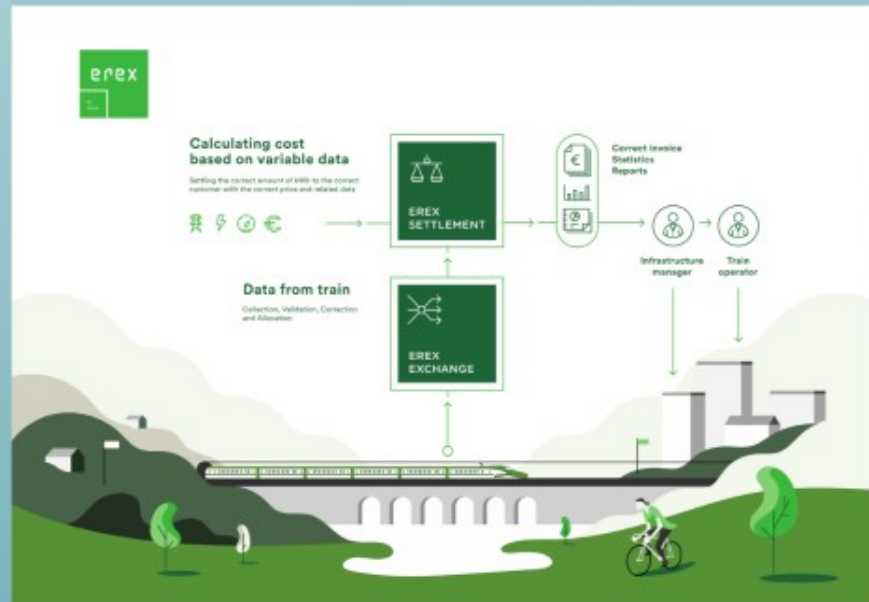
Train
operator

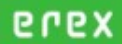
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Collection, Validation, Correction
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EU
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timeline

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Erex

EU standardization timeline

Timeline

EU standardization timeline





ENERGY METERS ON TRAINS

Energy meters are mandatory on all new, renewed and upgraded rolling stock since November 2014 (Commission Regulation 1302/2014).

EU standardization timeline





EXCHANGE AND SETTLEMENT SYSTEM FOR ENERGY DATA

EU countries must have a settlement system.

By July 2020 each member state in EU will be able to exchange and settle energy data, including validation and allocation of energy consumption to correct end user (Commission Regulation 1301/2014).

EU standardization timeline





DATA COLLECTION SYSTEM (DCS)

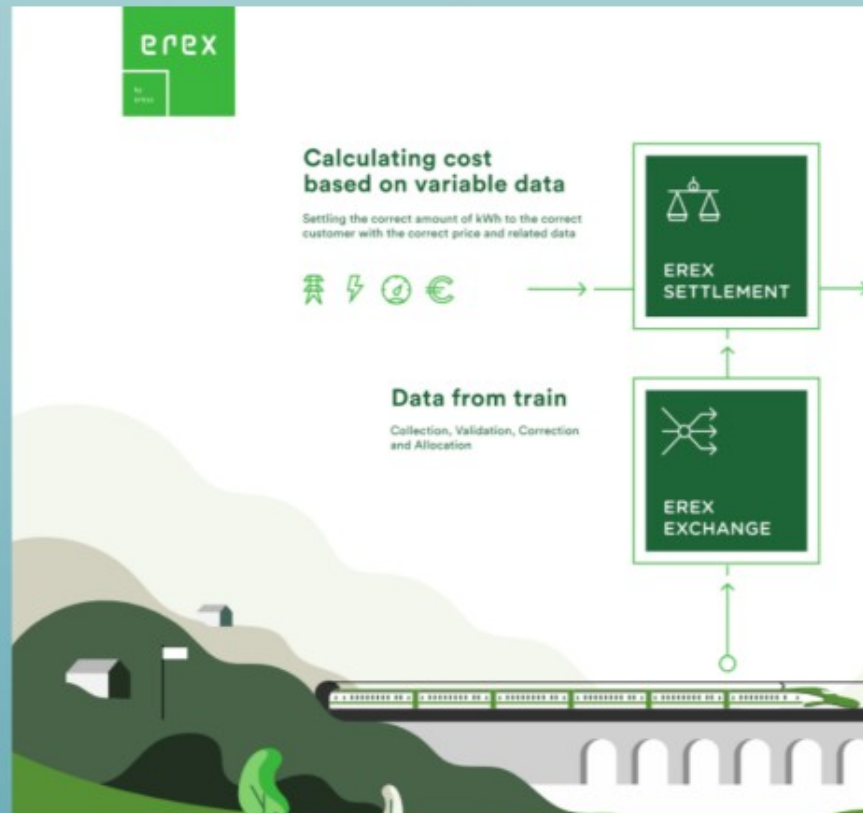
EU countries must have a DCS by 2022

Each member state in EU will be able to collect and exchange energy data. from January 2022. (Commission Implementing Act amendment of TSI ENE and TSI LOC&PAS)

EU standardization timeline



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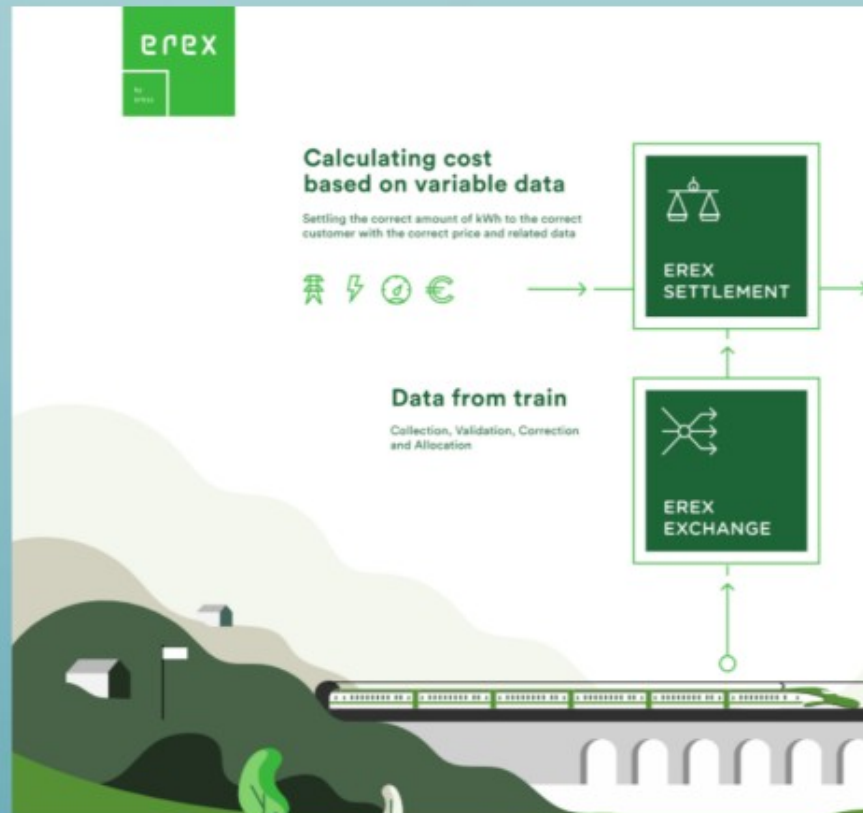
EU standardization timeline



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EU standardization timeline

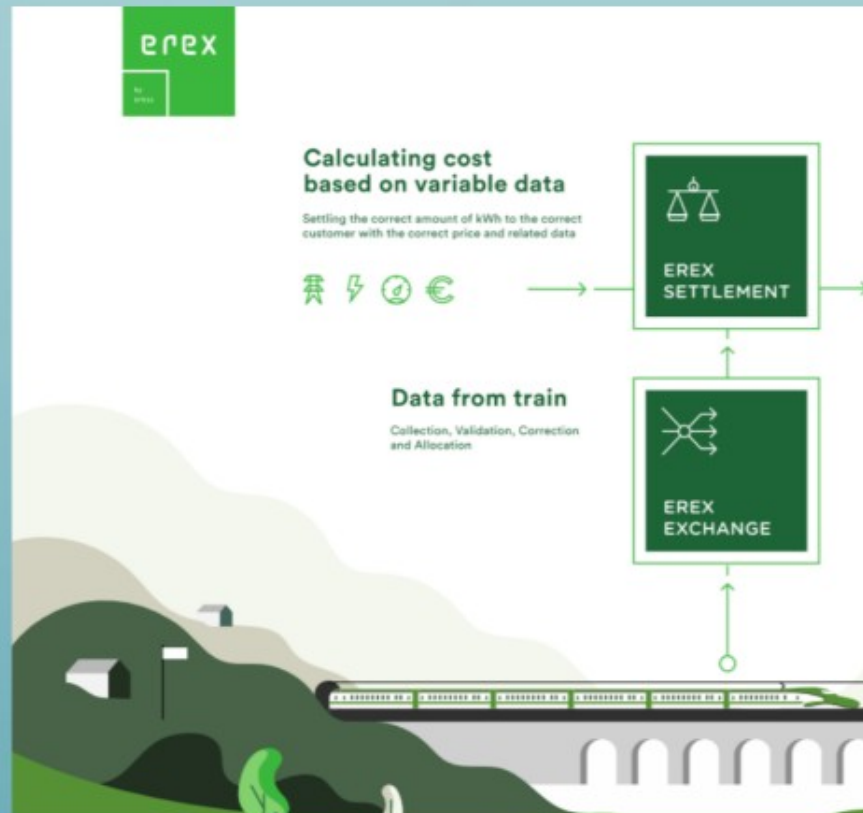


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EU standardization timeline

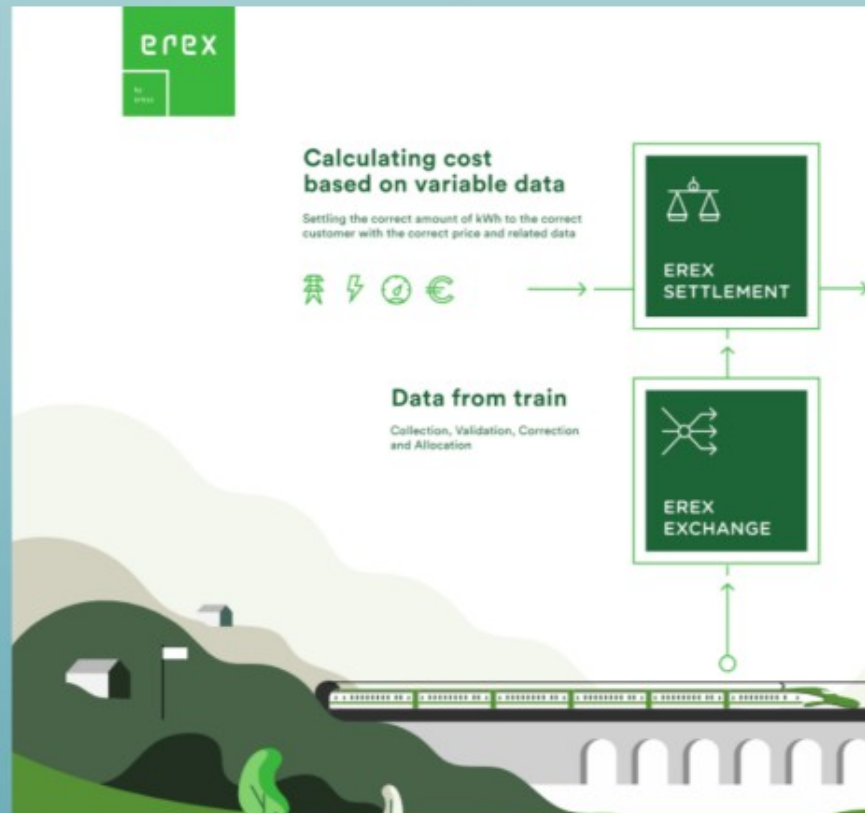


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