

European Wheelset Traceability for freight wagon axles (EWT) Intermediate implementation status as per 03/2011

Joint Sector Group for ERA Task Force on wagon/axle maintenance

General:

First of all, the Sector would like to state clearly that the required information for all wheelsets in freight wagons is given and ensures full traceability of each wheelset. Traceability is available by physical signs on the wheelset and by the documentation of the production and the maintenance in case of necessity. At the moment, most of the keepers have no central electronic database for traceability.

To improve and to harmonize traceability further, and to reduce the time for analyzing in case of incidents, the sector will collect the data listed in this document.

The aim of the EWT is to:

- trace wheelsets in case of incidents and to reduce the risk for further incidents due to similar reasons.
- trace in case of incidents the service conditions of a wheelset in the past and also its core item, the axle.
- trace the applied maintenance regime and which non destructive tests have been done on the wheelset.

In case wheelset defects will be detected, the keeper is able to select concerned wheelsets by the aid of EWT. This allows the keepers and NSA's to carry out appropriate measures.

European Wheelset Traceability will be integrated in the updated version of EN 15313.

Questionnaire:

•To the EWT bodies:

- EWT Implementation guide translated
- EWT Implementation guide submitted to the respective keeper

•To the Keeper (via the EWT bodies):

- Regarding European Wheelset Traceability
 - Start of developing an electronic database (Done or estimated time)
 - Electronic database developed (Done or estimated date)
 - Start of data acquisition (Done or estimated time)
- Regarding special wheelset data
 - Traceable wheelsets regarding wheelset data*
 - Traceable wheelsets regarding wagon number

* wheelset data (on paper or by database):

wheelset number (Data Nr. 1 in EWT)

wheelset type (Data Nr. 2 in EWT)

date of last maintenance (Data Nr. 33 in EWT)

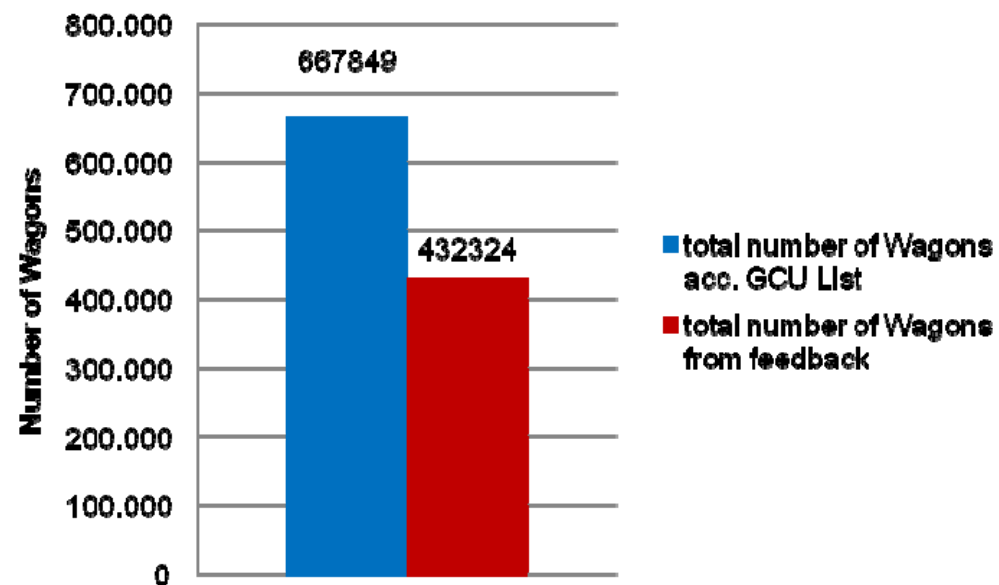
date of next maintenance (Data Nr. 38 in EWT)

workshop of last maintenance (Data Nr. 36 in EWT)

- **To the Keeper (via the EWT bodies):**
 - Regarding European Wheelset Traceability
 - Regarding special wheelset data
- **Questionnaire:**

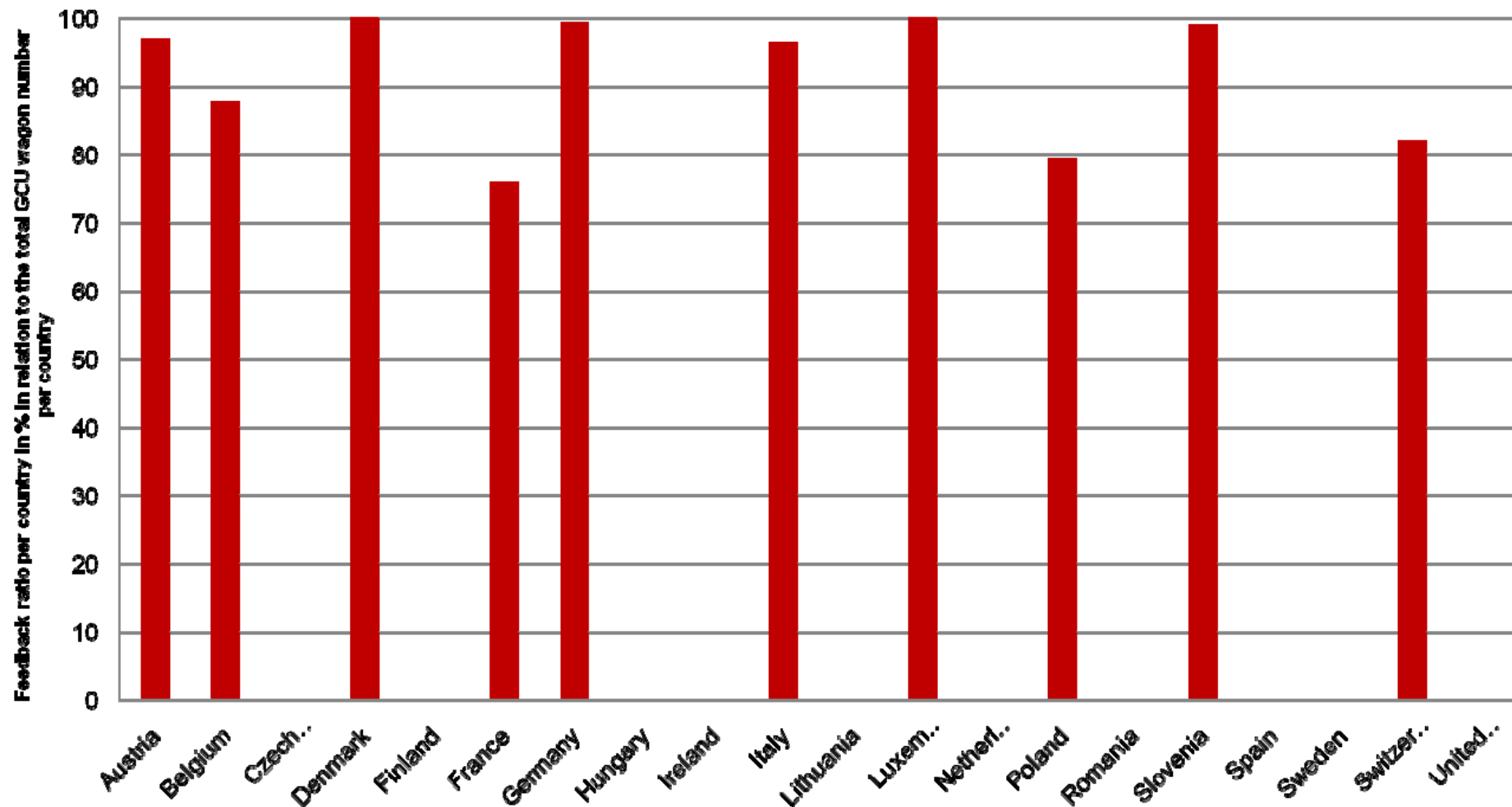
Start of developing an electronic database	Electronic database developed	Start of data acquisition	Traceable wheelsets reg. wheelset data*	Traceable wheelsets reg. wagon number
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- **Feedback from the 1st survey in total (Feedback from 66 Keeper)**

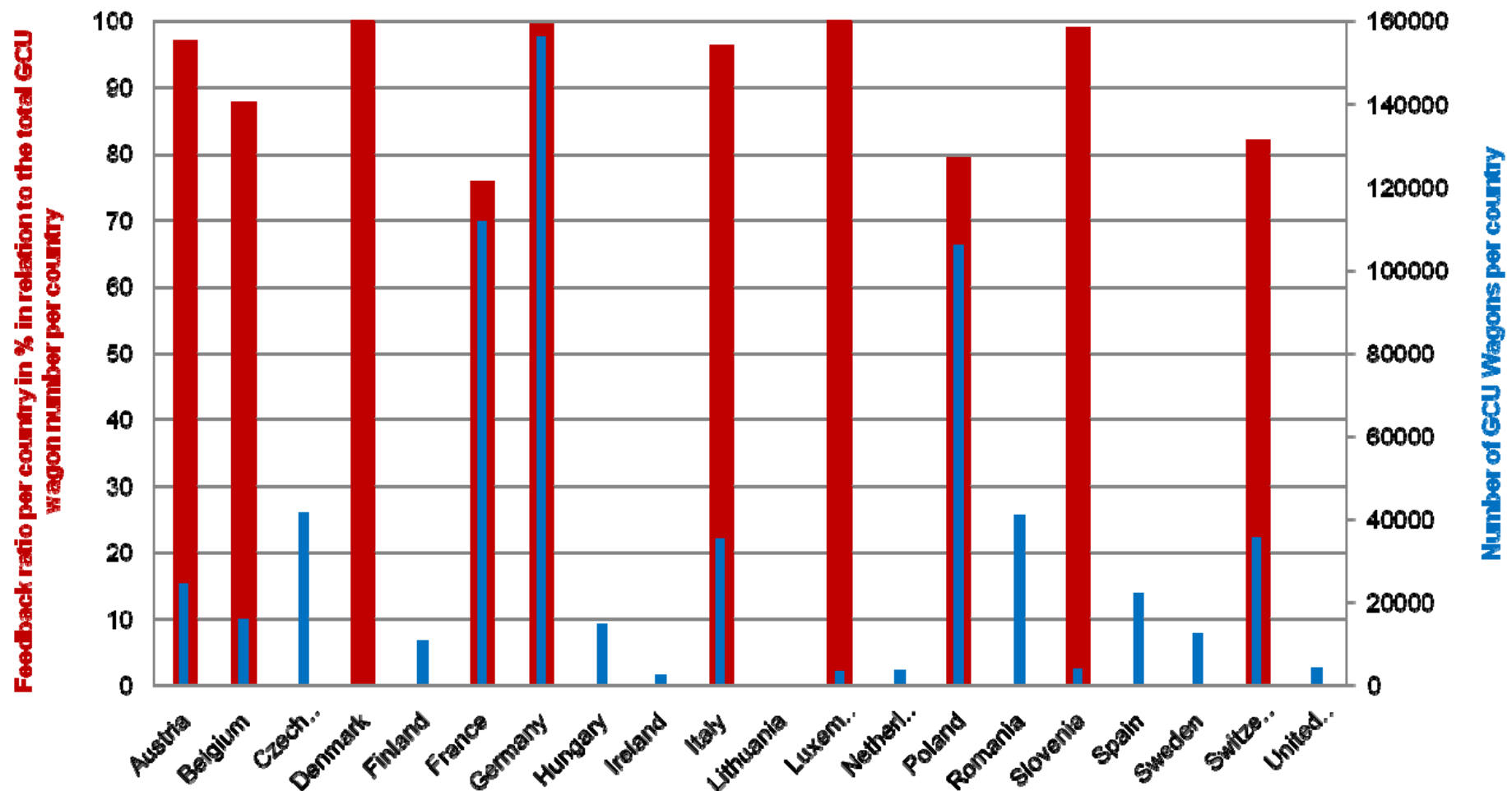


* wheelset data (on paper or by database):
 wheelset number (Data Nr. 1 in EWT)
 wheelset type (Data Nr. 2 in EWT)
 date of last maintenance (Data Nr. 33 in EWT)
 date of next maintenance (Data Nr. 38 in EWT)
 workshop of last maintenance (Data Nr. 36 in EWT)

Feedback from the 1st survey per country in % in relation to the total GCU wagon number per country



Feedback from the 1st survey per country in % in relation to the total GCU wagon number per country and number of GCU Wagons per country



Intermediate EWT Implementation status

Implementation of EWT

V1.0

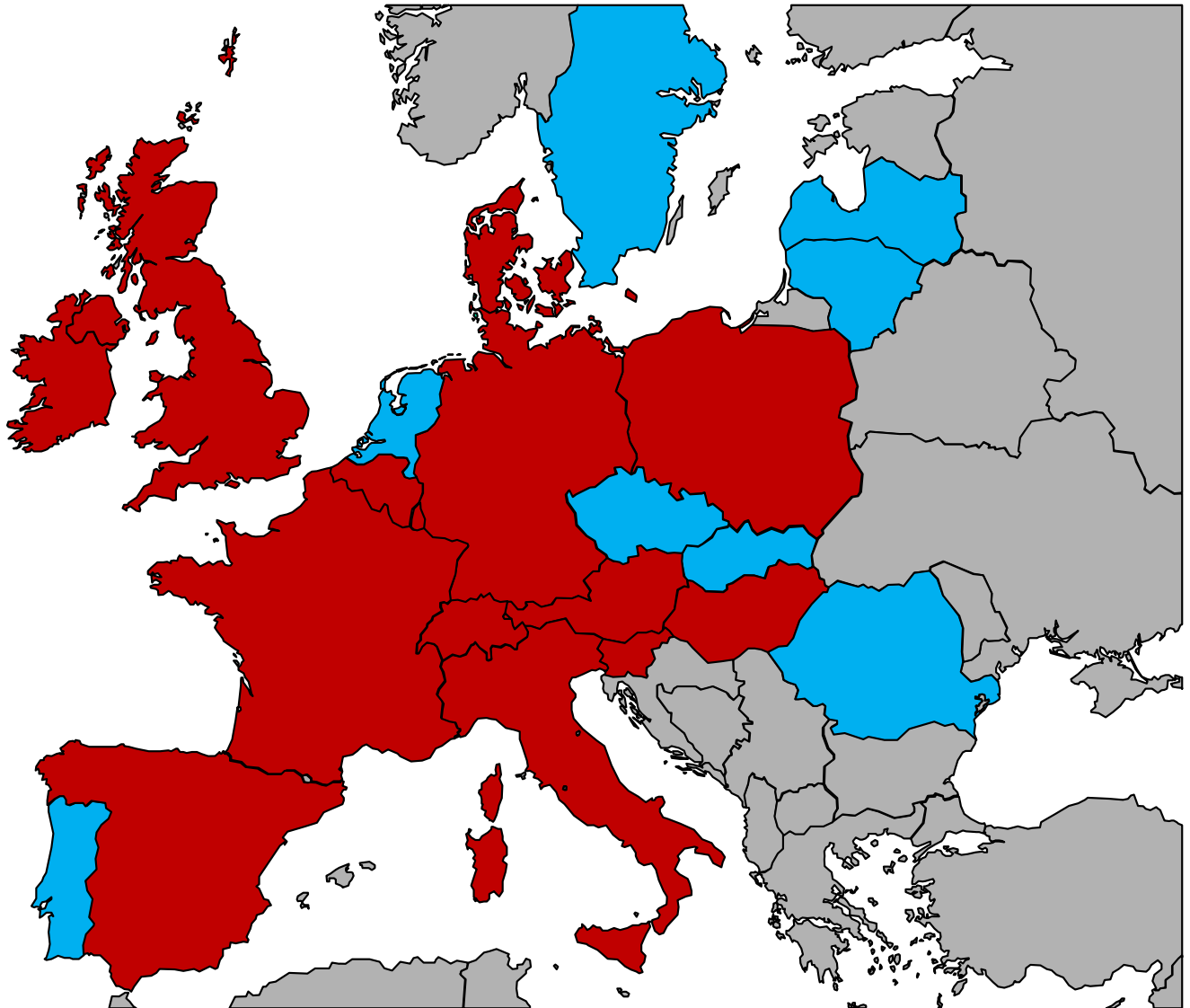
Questionnaire:

•To the EWT bodies:

- EWT Implementation guide translated

The following languages are available

- English
- German
- French
- Spanish
- Italian
- Slovene
- Polish
- Hungarian
- Danish



Intermediate EWT Implementation status

Implementation of EWT

V1.0

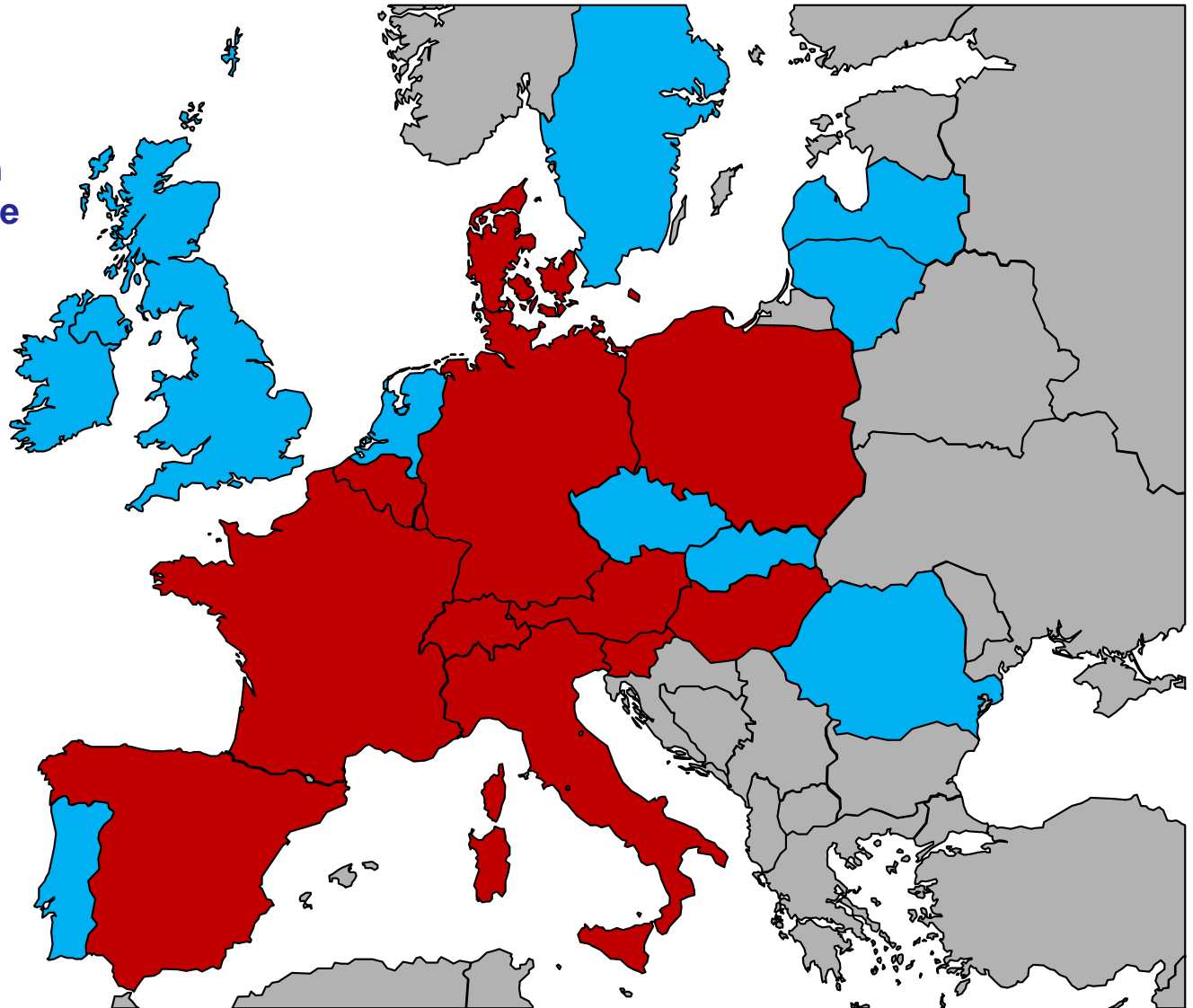
Questionnaire:

•To the EWT bodies:

- EWT Implementation guide submitted to the respective keeper

Submitted in the following countries:

- Austria
- Germany
- France
- Spain
- Italy
- Slovenia
- Switzerland
- Luxembourg
- Denmark
- Poland
- Belgium
- Hungary

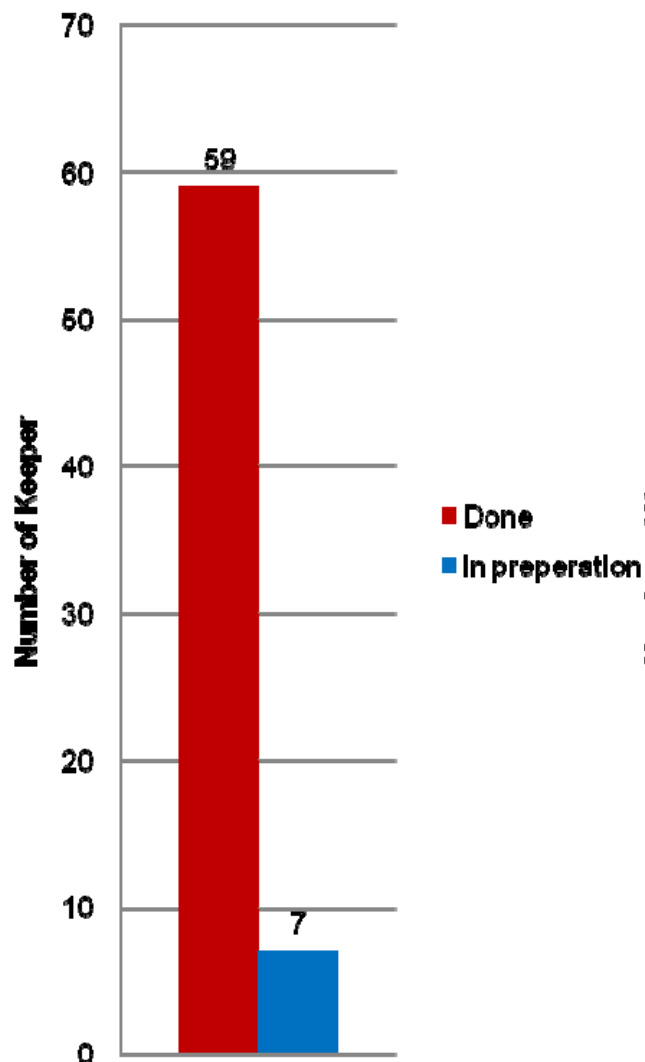


Intermediate EWT Implementation status

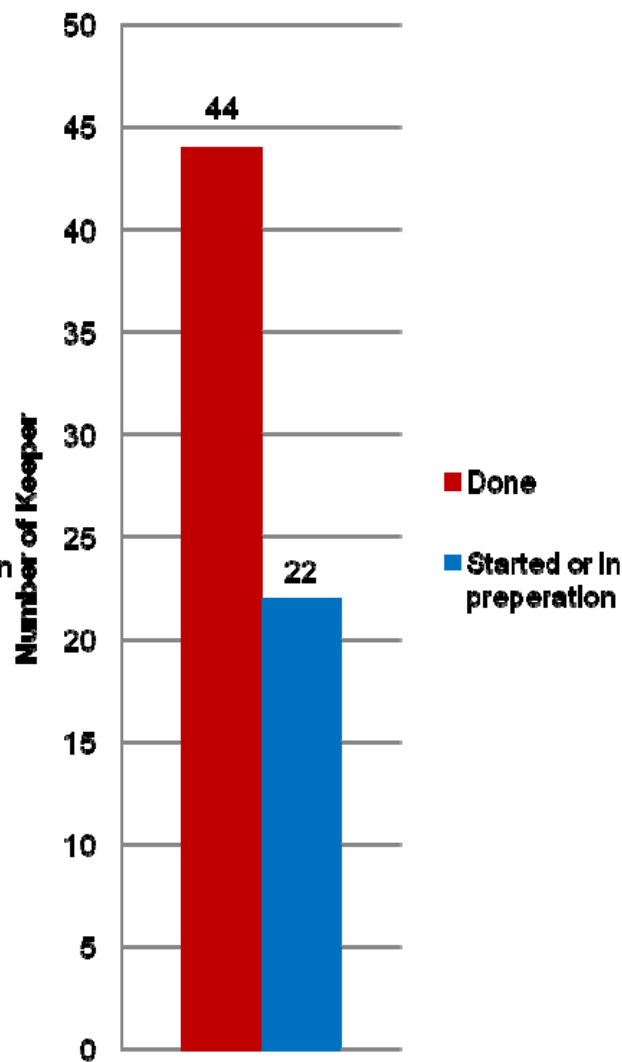
Implementation of EWT – 1st survey

V1.0

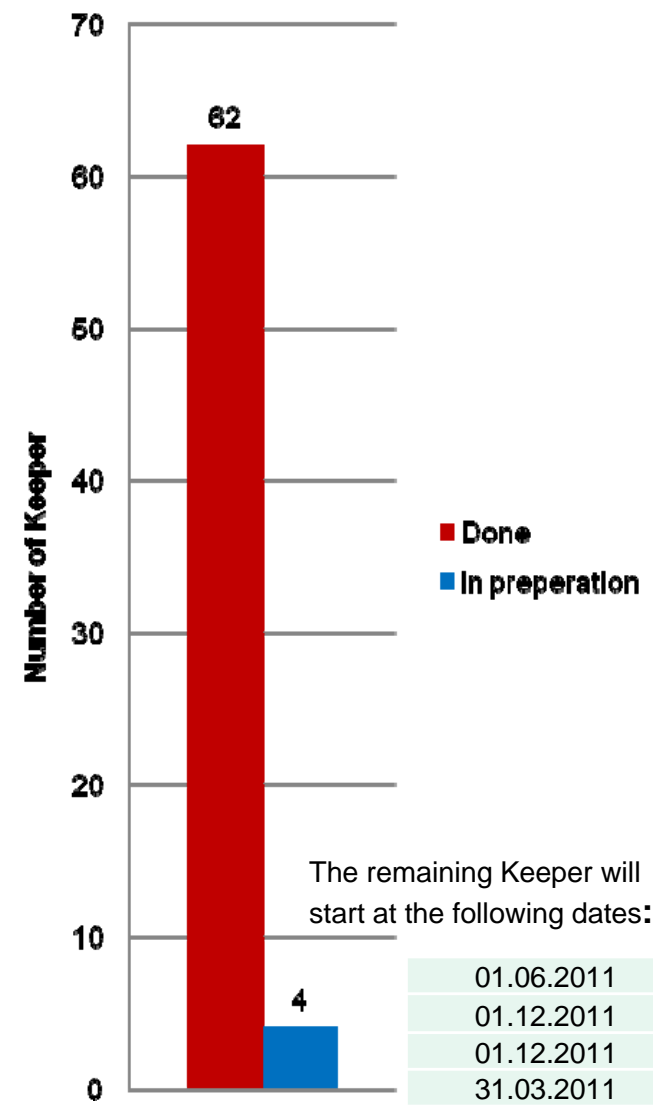
Start of developing an electronic data base



Electronic database developed



Start of data acquisition

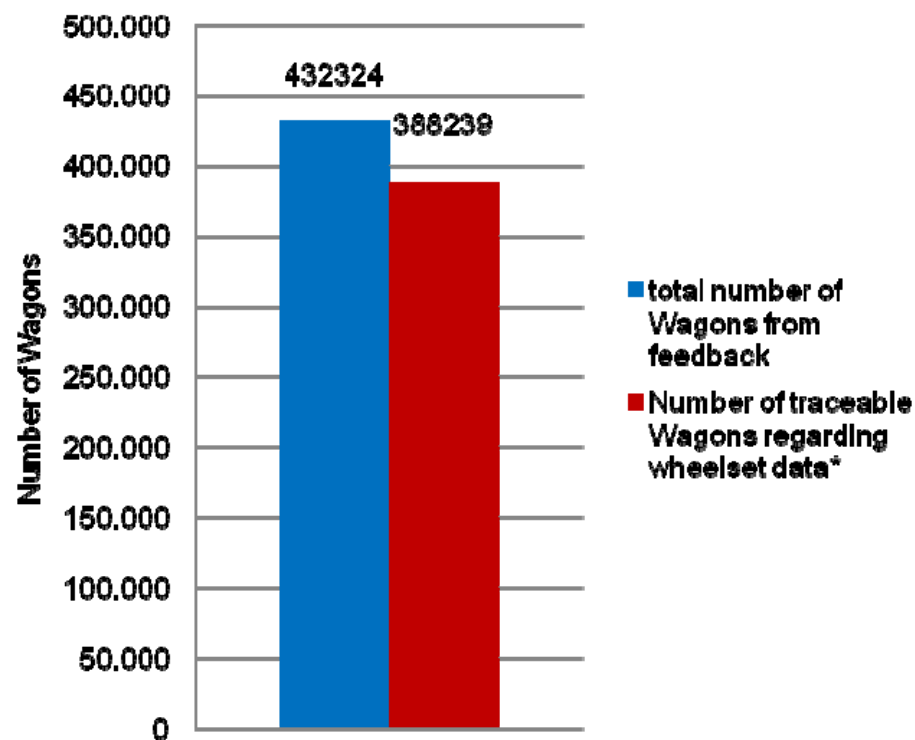


Intermediate EWT Implementation status

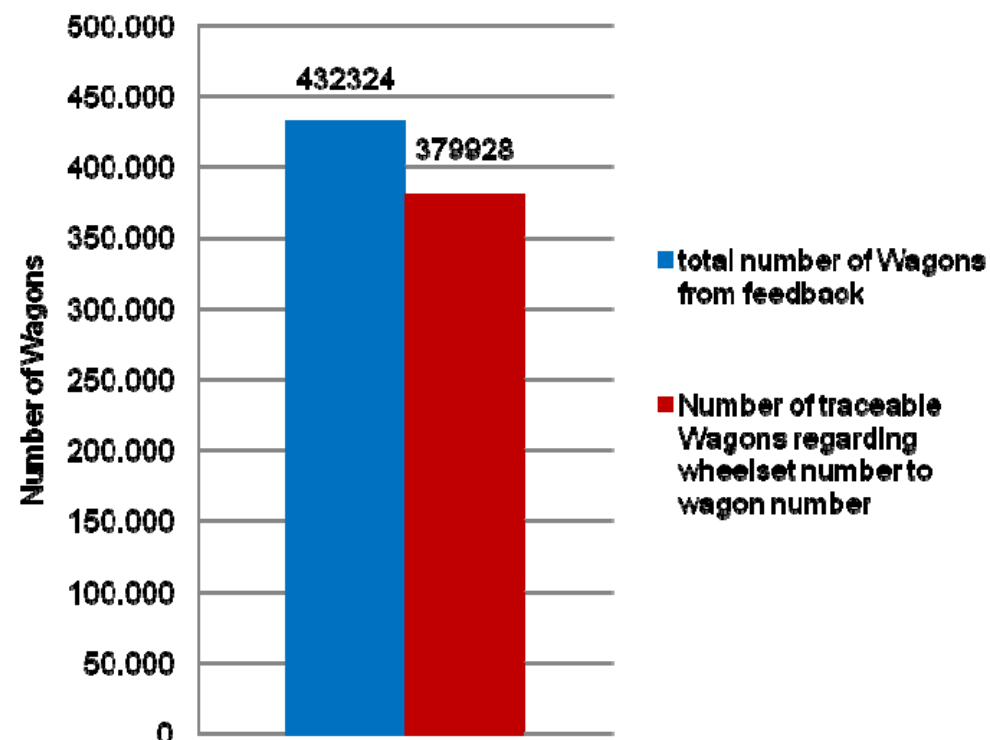
Special wheelset data – 1st survey

V1.0

**Traceable wheelsets regarding
special wheelset data***



**Traceable wheelsets regarding
wheelset number and wagon number**



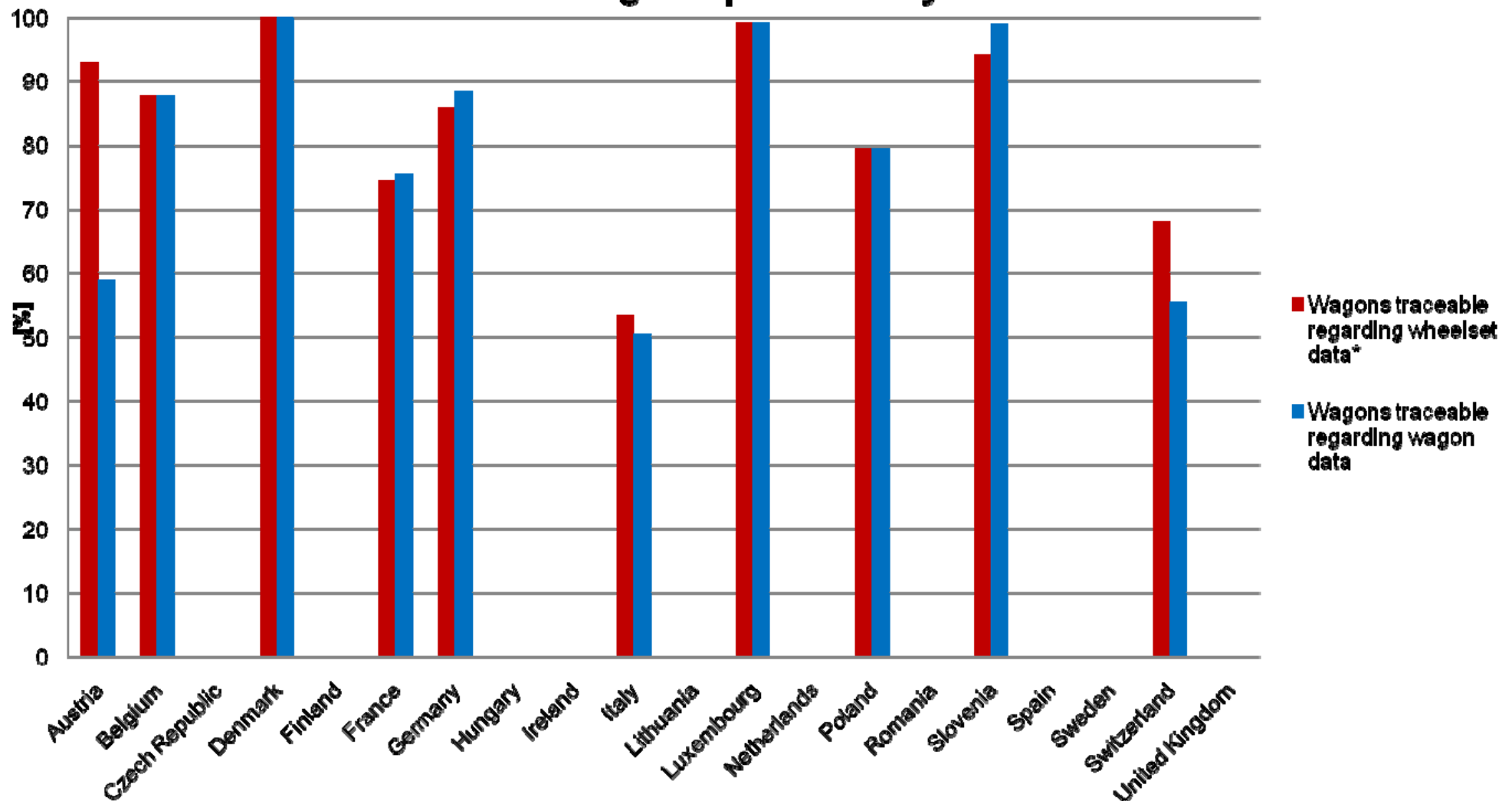
* wheelset data (on paper or by database):
wheelset number (Data Nr. 1 in EWT)
wheelset type (Data Nr. 2 in EWT)
date of last maintenance (Data Nr. 33 in EWT)
date of next maintenance (Data Nr. 38 in EWT)
workshop of last maintenance (Data Nr. 36 in EWT)

Intermediate EWT Implementation status

Special wheelset data – 1st survey

V1.0

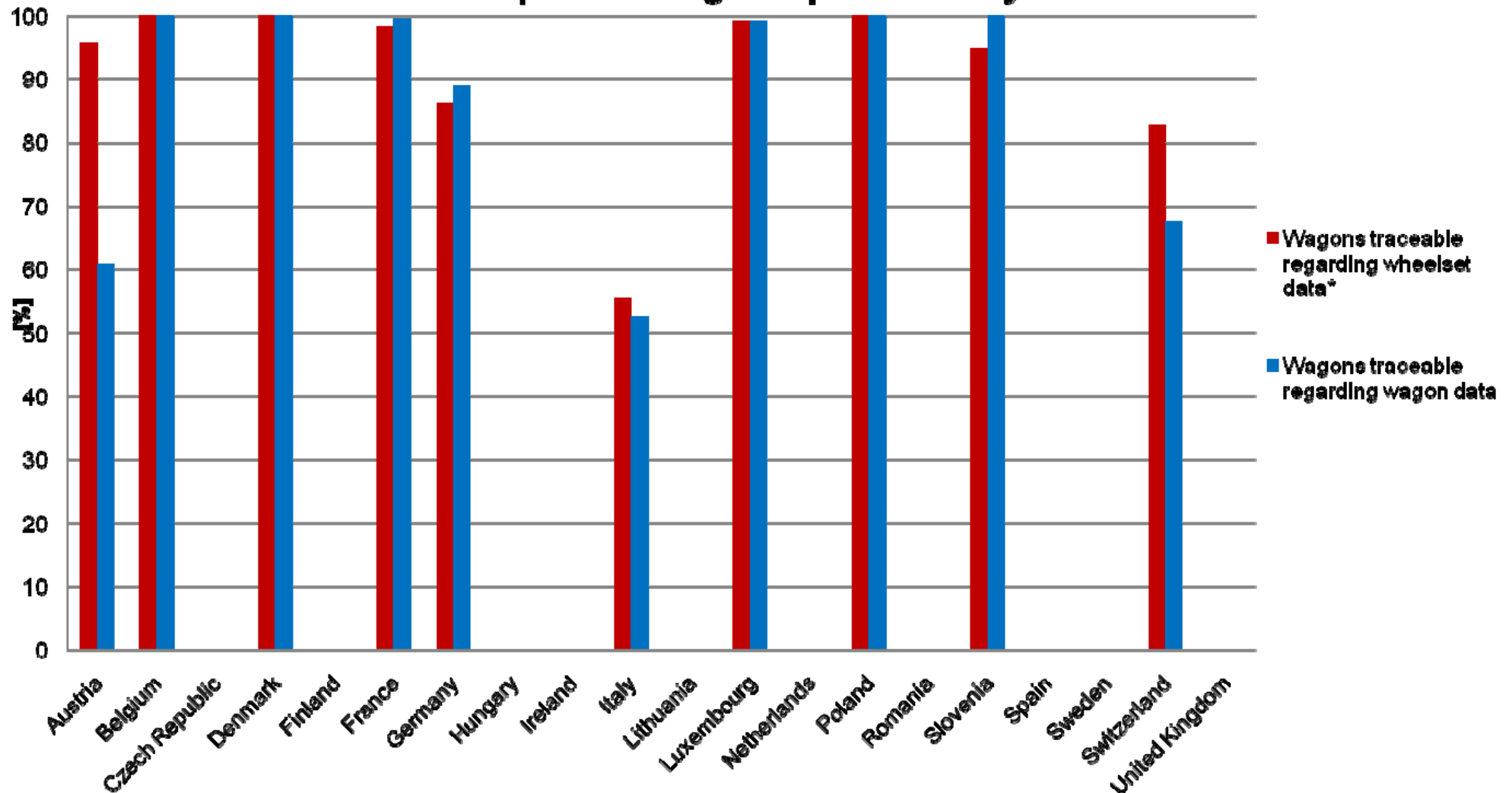
Traceable Wagons reported in relation to the number of GCU wagons per country



Intermediate EWT Implementation status Special wheelset data – 1st survey

V1.0

Traceable Wagons reported in relation to the number of reported wagons per country



Conclusion:

Implementation of EWT:

- The first feedback on EWT Implementation status is representing approx. 64% of GCU wagons.
- The prevailing part of this survey (89%) has already started or finished the developing of an electronic database.
- 2/3 of the keeper of this survey has already finished the developing of an electronic database.
- 94% of this survey have already started with the data acquisition.

Survey regarding special wheelset data:

- 90% of the wheelsets in this survey are traceable regarding the inquired wheelset data
- 88% of the wheelsets in this survey are traceable regarding the wagon number

Thank you for your attention!

