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Coordinator	*DuWill AB*
Project Manager	*Tania.willstrand@combitech.com*
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Author(s)	Tania Dukic Willstrand
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Summary

The present explorative project made a contribution for all SAFER partners by updating the list of accident database available by at least one SAFER partner. An updated excel file with all global accident databases that SAFER partners have access to is delivered. This information will be secured into the SAFER data catalogue to ensure that SAFER partners can use this valuable tool in their research.

Mapping of accident databases worldwide

1. Background

A significant number of accident databases is available worldwide however their nature can vary depending on how the accident data is collected: on-scene investigation, insurance databases, retrospective investigation, national statistics and European projects databases. As a SAFER infrastructure a mapping of accident databases available by at least one SAFER partner is available since 2014. The mapping contains about 60 databases. The goal of the project is to update the information regarding database and parameters documented. An updated excel file with all global accident databases that SAFER partners have access to will be delivered. Moreover, this information will be secured into the SAFER data catalogue to ensure that SAFER partners can use this valuable tool in their research.

2. Project set up

2.3 Purpose

Traditional official road accident statistics worldwide provide the number of deaths and injured by main road users, i.e. number of deaths in vehicles, as a pedestrian, etc. The motivation to collect these statistics has been for developing policy and governance worldwide. A significant number of accident databases is available worldwide however their nature can vary depending on how the accident data is collected: on-scene investigation, insurance databases, retrospective investigation, national statistics and European projects databases. The number of those databases is quite extensive and their information is sometimes time-consuming to find and to get access to.

Year 2014, SAFER partners identify a need to map accident databases and partners put together efforts to fulfil this need. This information has been available at partners. It has helped introducing new employees in the field and saved resources for SAFER partners. Now, ten years later, the mapping done is still relevant and there is a need among SAFER partners to update this information. The mapping of accident database contains basic information to orientate researchers to focus on the right information to conduct traffic safety research. It is time consuming to investigate worldwide all accident database therefore, it is strategic to use common resources to perform the work. We will focus on database where at least ONE SAFER partner has access to the database to increase the value of the work.

2.4 Objectives

To update SAFER mapping of accident databases worldwide from 2014 for enabling traffic safety research on the SAFER platform. After the project, handover will be done for implementation in the SAFER data catalogue. After the project, a handover will be

conducted for implementation in the SAFER data catalogue. This will facilitate other partners in understanding the various datasets and how to access them.

2.5 Project period

Start date 2024-06-01
End date 2024-09-31

2.6 Partners

This explorative study is composed mostly by industry partners namely: AB Volvo, Autoliv, DuWill AB, Folksam, If and Scania. Those partners are the one who can contribute to the work and primarily users of the output. Each partner will contribute with their knowledge, past experience and perspective

AB Volvo	Anna Theander anna.theander@volvo.com
Autoliv	Hanna Jeppsson hanna.jeppsson@autoliv.com
DuWill AB	Tania Dukic Willstrand tania.willstrand@duwill.se
Folksam	Anders Kullgren anders.kullgren@folksam.se
If	Magdalena Lindman magdalena.lindman@if.se
Scania	Reimert Sjöblom reimert.sjoblom@scania.com

3. Method and activities

The project was planned into following steps:
- A kick-off with project partners to ensure partners needs and define criteria to update
- Investigation of all 60 databases available in the document from 2014. Specific updates regarding European projects and potential new database since 2014.
- Partners review and completion.
- Presentation to the working group and release to SAFER partners through a presentation at the research day event to ensure dissemination for SAFER partners.

4. Results and Deliverables

At the beginning of the project, all partners met to review the existing database file and to update the criteria for designing the new one. Several meetings have been held to go through the file and to inventory the relevance of all columns. Following below a number of updates that has been done:
Two sheets where one was composed by all accident database available and the second one where only SAFERs' partners had an access became one sheet with only documented SAFER partners database access
All database coming from EU project are left behind and are not updated. Those projects are limited in time and the results are often not updated anymore which create a lack of value
Vehicle types is removed and updated by road users i.e. car, bicycles, PTW, pedestrians, HGV, bus.

Overall accident types are removed and instead we created a category “how is the data collected?” i.e. in-depth, on-site investigation, retrospective, police report and national database.
“Who is collecting the data” has been introduced
“Vehicle year model covered” has been removed due to lack of interest
Personal injuries have been complied with fatal, serious, slight, non-injury, AIS coding, permanent medical impairment.
A first column was introduced to write when the data has been updated.
Since the original file was composed by a 60 database, the partners made a priority list to start the work with.

The results delivered by the project is a summary of accident database which SAFER partners have access to. This inventory has been successfully achieved by sending an email to all SAFER partners. Partners were asked to tell us if there were using accident database and in this case which one. For each positive answer, a meeting was set up to go through the file to update all columns and have a dialogue on the relevance of each one.

Results of the project is integrated in the SAFER data catalogue and will be update continuously.

5. Conclusions, Lessons Learnt and Next Steps

The project has been successfully achieved as planned in the application. The contact with all partners has been successful and engagement has been significant in the topic. No surprise nor deviation have been observed. The excel file delivered will be part of the SAFER data catalogue. Future updates will be done continuously as part of the data catalogue updates.

6. Dissemination and Publications

Results of the project are presented at the SAFER research day in November 27th 2024.

7. Acknowledgement

Thanks to all project partners and to all SAFER partners. All SAFER partners have been involved in the inventory and have answered and showed a great engagement in the topic of accident database showing the relevance of this topic.