

SAFER

VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

FOT-NET2 – WP3.2

WG Events and Incident Definition (SAFER)

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FOT-NET2 - WP3 FOT Methodology

- WP3.2 Working Groups on addition to FESTA

→ **WG Events and Incident Definition**

Background

- Previous approaches limited, often relying on human judgement.
- A main opportunity is the possibility to perform quantitative analyses of Crash-relevant-events (CREs) based on continuous signals.

WG AIM:

- Critical look at existing theories, frameworks, and definitions for **Crash Relevant Events**.
- Existing definitions will be developed into more continuous and quantitative definitions which are better aligned to the continuous-signal datasets.

Crash-Relevant-Events (CREs) are time segments which contain a particular occurrence that predicts or identifies a crash.

SeMiFOT2

WP1 Development of quantitative definitions of crash-relevant-event severity

- Will provide quantitative definitions of Crash-Relevant Events
- Review of existing methods
- Similar aim as FOTNET2 WG
- CRE Severity is comprised of 1) measures of *crash risk* and 2) measures of *injury risk*
 - Crash risk severity measure - Traffic Conflict Theory (e.g. TTA)
 - Injury risk severity measure – AIS similar (crash type, road user type, relative speed)
- Journal Paper