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Assessing Driver Acceptability of the PROSPECT Systems

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Assessing Driver Acceptability of the PROSPECT Systems

Objectives and Motivation

Acceptance testing is an important part of PROSPECT. It provides knowledge on users' perception of the systems developed within the project, and an indication of their likelihood to purchase such a system.

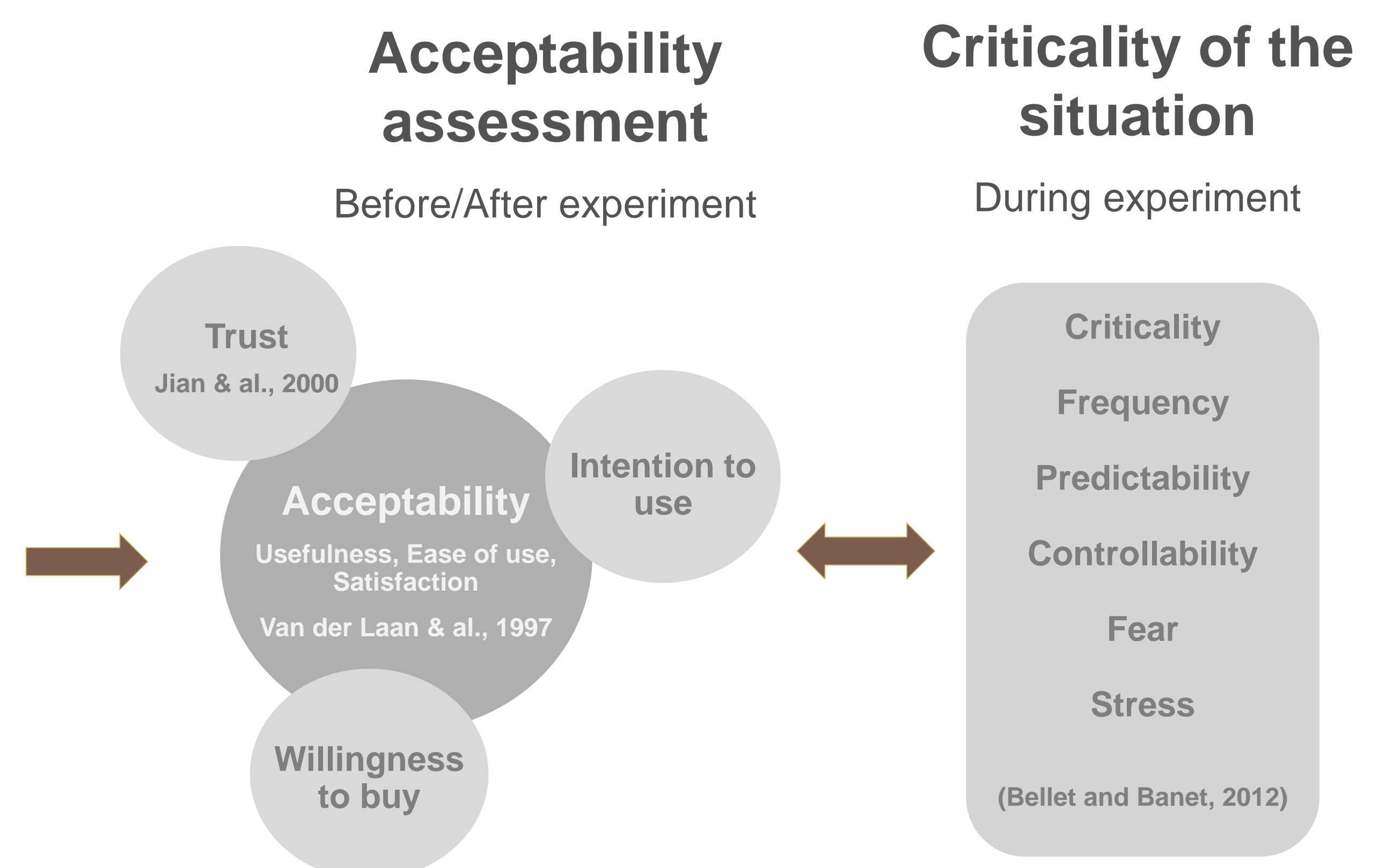
Fundamentally, it is crucial for the success of such active safety systems that they are acceptable to the drivers (e.g. judged to be useful and trusted).

Common Method

A common 'acceptance' methodology was developed within the project based on existing questionnaires:

- **Acceptability** assessment administered **before** and **after** the experiments
- Evaluation of the **criticality** of the situation **during** the experiments

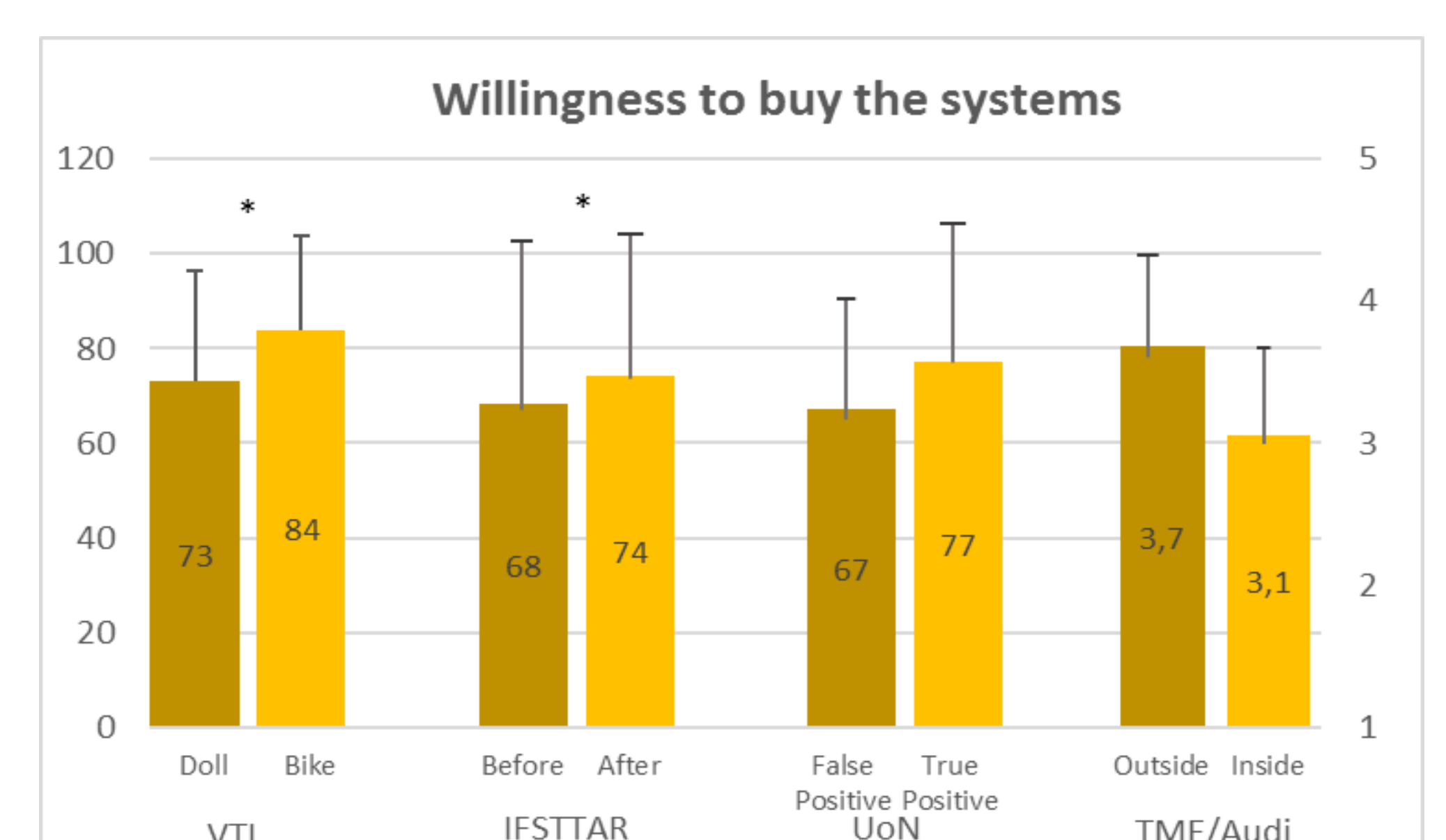
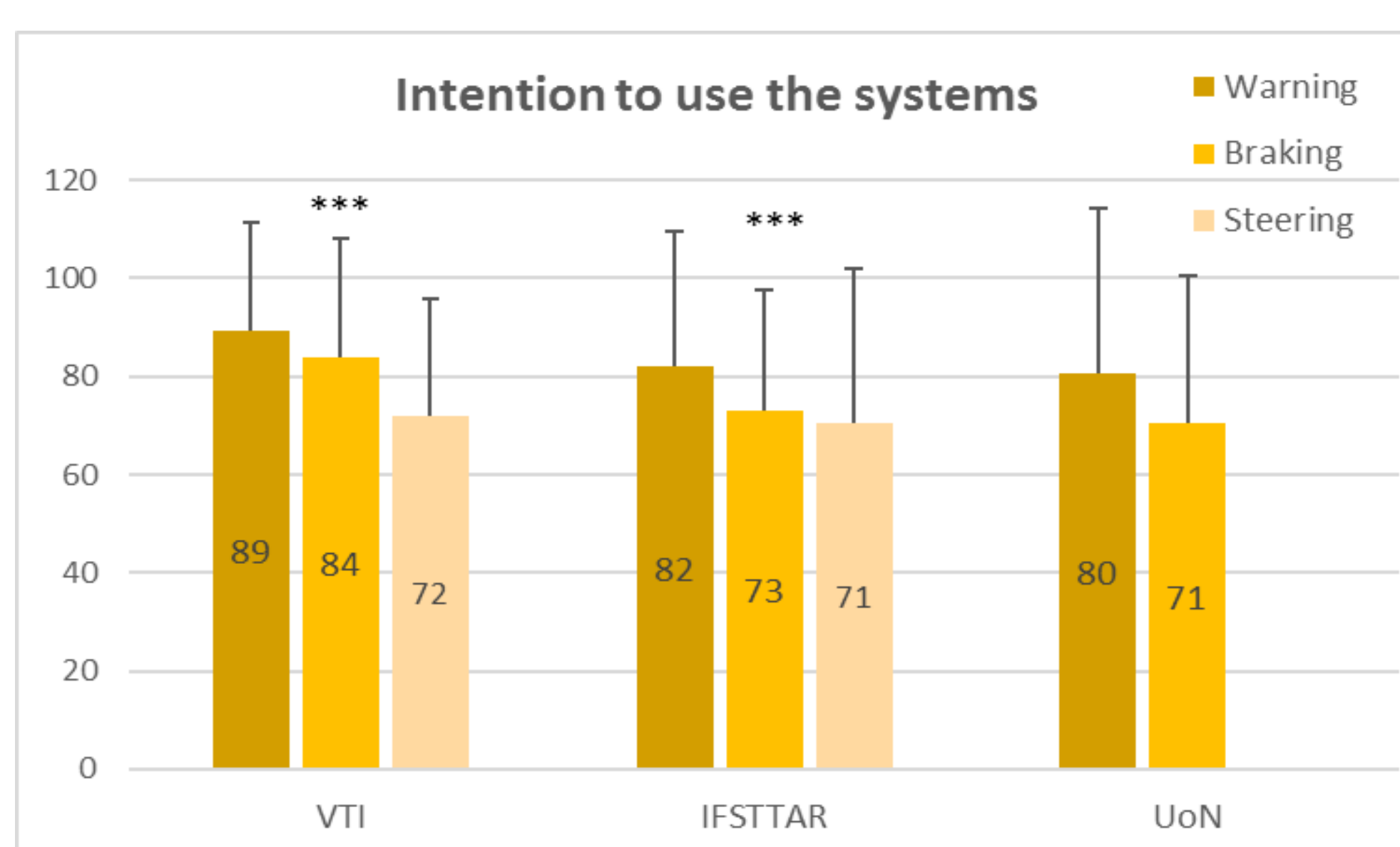
Experiments carried out by the partners



8 Use Cases for Demonstrators are investigated during the experiments

Main results

Results show a **high likelihood of acceptance** of PROSPECT systems. Participants were most positive towards the **warning** function, but also indicated a high likelihood of using the **braking** and **steering** functions.



Willingness to buy was influenced by various factors, such as: the situation experienced (dummy versus bike), and the time at which the warning occurred (TME). Participants' willingness to buy increased after they were presented with 'critical' situations (IFSTTAR).

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