

INJURY MITIGATION TO PROMOTE VISION-ZERO ACHIEVEMENT

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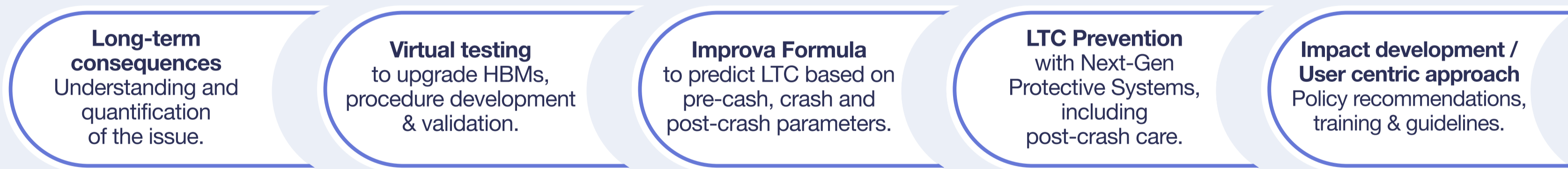


The IMPROVA project aims to enhance safety systems by comprehensively understanding the link between immediate injuries and their long-term consequences (LTC), and evaluating its impacts using virtual testing (VT) Human Body Models (HBMs). The project focuses on new and upgraded vehicle interiors in highly automated vehicles as well as vulnerable road users (VRUs).

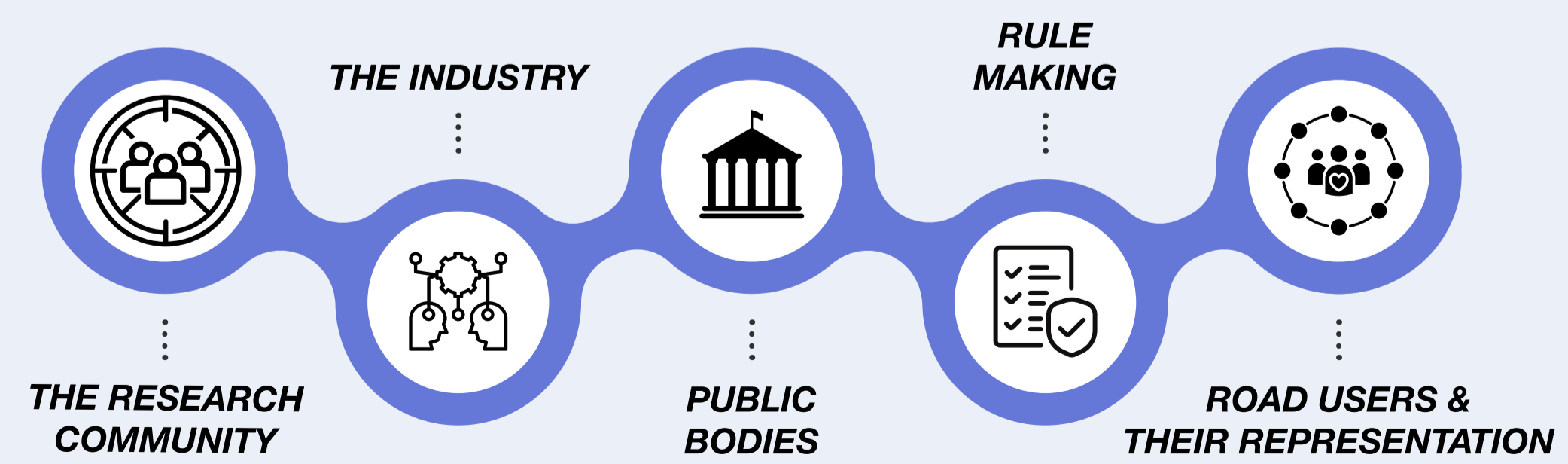
OBJECTIVES

- Identify, understand, and describe the issue of serious injuries and LTC due to road traffic accidents and permanently improve knowledge basis.
- Make LTC tangible by developing a method allowing for purposeful data collection and LTC assessment.
- Propose linkages between criteria based results from physical or virtual tests and wider knowledge from field data to assess LTC.
- Refine HBMs regarding their capabilities to predict injuries related to LTC (long term injuries, LTI).
- Objectively assess risks for serious injuries and LTC: Development of HBM based virtual testing procedures.
- Vigorous policy support for technical and behaviour change countermeasures against LTC.
- Address and mitigate the long term consequences associated with road traffic injuries at EU level and abroad.

METHODOLOGY



IMPACT
IMPROVA is setting a baseline and validated methodology for research, regulation and policy making regarding the LTC and the reduction of their influence on the society, specifically to tackle the needs of the following target groups:



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PROJECT DURATION
48 MONTHS
1 JUNE 2024 - 31 MAY 2028

PROJECT PARTNERS

