

ProtAct-Us



From the long-term consequences of road crashes

ProtAct-Us aims at protecting all road user groups from serious injury and long-term physical, cognitive and mental health consequences of road crashes, through innovatively interlinked research action between medical and engineering tools.

Four main road user groups



Occupants of public transportation



Pedestrians



Occupants of passenger cars



Motorcycles, Bicycles & New Micro-Mobility riders

Main Goal

Road user specific countermeasures development and effectiveness

Methods

Engineering and development tools

- HMB assessment capability upgrade
- ATD/Dummy implementation
- Test procedures development

Medical & Epidemiological indicators & tools

- Classification system for long-term consequences of injury

Outcomes

- Upgraded protection solutions and countermeasures for all road users
- Improved post-crash treatment
- Early detection of cognitive and mental health issues

Socio-economic cost reduction of long-term consequences of injury for

- Physical
- Cognitive impairment
- Mental health issues



Medical data correlation



Robust and reliable medical, epidemiological and engineering tools



Reduction of long-term consequences and related socio-economic cost

Partners

- CEESAR, Centre Europeen d'Études de Sécurité et d'Analyse des Risques
- CIDAUT, Fundacion Cidaut
- HMU, Elliniki Mesogeikiako Panepistimio
- INOVA+, Innovation Services, S.A.
- LAB, Groupement d'Intérêt Économique, de Recherches et d'Études PSA Renault
- LAZER, Lazer Sport NV
- MHH, Medizinische Hochschule Hannover
- RWTH, Rheinisch-Westfälische Technische Hochschule Aachen
- UKA, Universitaetsklinikum Aachen
- UNIPV, Università degli Studi di Pavia
- UNISTRA, Université de Strasbourg
- VIF, Virtual Vehicle Research GMBH
- ZF, ZF Friedrichshafen AG

Associated Partners

- EUPHA, European Public Health Association
- MQ, Macquarie University

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