



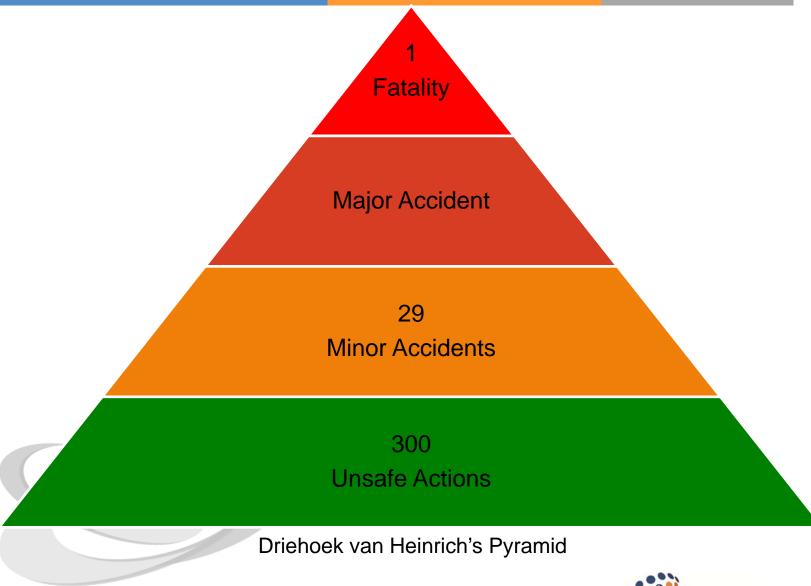
CONFERENCE ON EUROPEAN TRAFFIC POLICY





RESEARCH AND TECHNOLOGY APPLIED TO ROAD SAFETY

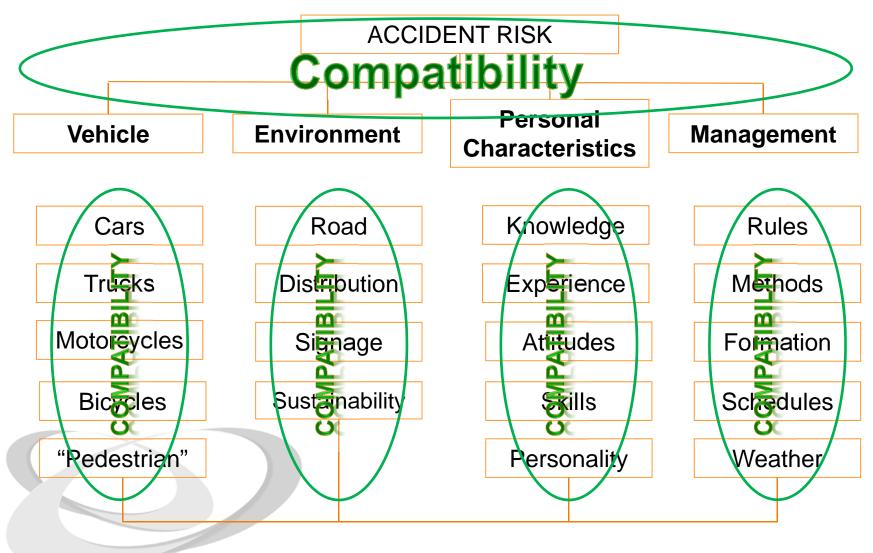
Controlling risk to Manage Accident Probability







Some Factors involved in the Occurrence of Accidents







Human Scale Technology

Visual Reaction time

Reaction time Motor Start/Stop

Reaction time

Decision making

Decision The Sing

Visual

Motor

Reaction time

Motor Decision making Visual

Reaction

Motor

Decision making Reaction time

Motor CIVI-E

Reaction time

Motor

Decision making

Decision making

Reaction final

Moto Vision

Decision making

Motor

Visual

Auditory

Decision making

Visual

Reaction time

Moldead-up display

Decision making

Visual

React Priving Assistant Plus

Motor

Decision making

Reaction time

Decision making

ESP Motor

Visual

Reaction time IS Motor

Decision making

Reaction time

Decision Dec

Motor

Visual

Reaction time Motor SSC

Decision making

Auditory

Lane depa

EBA

Motor

Decision making

Reaction time

Motor

Brake pssistantaking

Motor**Airbags**

Auditory

Visual

Traffic sign recognition to the sign recognition to th

Motor

Decision making





Limits to Consider in the Overall Design

INTRAIND

Auditory

Visual

Reaction time

Motor

Decision making

BASIC

Visual

Auditory

Kinesthetic

HDUAL DIFFERENCES

Vestibular

MENTAL PROCESSES

Short term memory

Long term memory

Decision making

Attention

Percepción

Reaction time (audit. and vis. St.

complexity)

HOGICAL ILLITERATE

Motor

EXPERIENCE

AGE

CULTURE





Controlling risk to Manage Accident Probability

