

# Introduction to Clepa's LightSightSafety Initiative

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# The objective of the LightSightSafety Initiative



## ***Objective:***

***“to create more awareness and understanding to the safety, comfort and environmental aspects of good quality car lighting at end users (car drivers), carmakers as well as at relevant decision-making authorities***

## **By:**

- **Communicating the advantages of good car lighting to the market in order to increase the performance, safety, comfort and environmental benefits of present and future motor vehicles**
- **Supporting the continuous efforts of the society to improve road safety (e.g. European Road Safety Action Program 2011-2020) and to be more environmentally friendly (e.g. reduction of CO2 emission).**

# Focus & Members



## Focus on:

**Till 2010:  
"Xenon"**

**From 2010 onwards  
(as member of e-SafetyAware)  
"Adaptive Headlights"  
(with Xenon and/or LED)**

## Members:

**Automotive Lighting**

**Hella**

**Osram**

**Philips**

**Valeo**

**Visteon**

# Highlights Initiatives & Events



2006:

Foundation of the initiative under the Clepa umbrella

WEB site [www.clepa.be](http://www.clepa.be)

Building up contacts with e.g. EU commissions, ACEA, NCAP

FIA "Daytime Running Event"

2007, 2008. 2009:

LightSightSafety Technology day in Brussels

2010:

Member of e-SafetyAware

Commitment to European Road Safety Aware

Millbrook e-Safety Aware event

Clepa Technology day (demo with car with adaptive headlights)

2011:

Austria e-SafetyAware event (with night testdrives)

# Testimonial e-SafetyAware



**Michael Schumacher, seven-time Formula 1 Champion:**

"Adaptive Lighting offers me the best illumination of the road, enabling me to have a safe night-time drive under all road and weather conditions"

# Highlights Initiated Research



## To create facts and figures about safety related to better carlighting

2007:

Presenting TÜV research results about safety and Xenon

2008:

Presenting PULSE research results (buying behaviour carlighting)

2009:

Presenting cost benefit analysis of Xenon (uni Cologne)

2010:

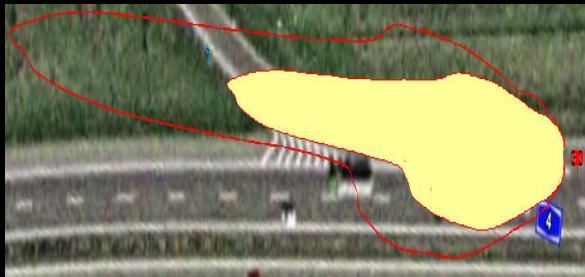
Presenting GIDAS research results about safety and Xenon

2011:

Initiating study about safety/comfort and adaptive headlighting  
(uni Darmstadt)

# Basic GIDAS findings

**In ~ 50% of the cases Xenon headlamps would have avoided the crash. This means ~16% of all night time accidents with injuries and/or fatalities could be avoided by Xenon headlamps.**



Car with Halogen



Car with Xenon



With Xenon head lamps the driver is able to see and react 20 m or 0.52 s earlier than with halogen headlamps.

As a result of the earlier reaction he although get into slide, but will not leaving the road and will not collide with the stone and will survive.

*Rem.: car was equipped with ABS and ESP*

# Highlights

## Support, Training & Marcom



### Supporting activities

2009:

Beyond NCAP

2010:

Eco-innovations (ASEA)

2011:

Eco- innovations (EU commission)

### Training & Marcom

2010:

Dealer training in Spain

Info adaptive headlights for EU  
commission's WEB site

Publications in e.g. Driving Vision  
News, Thinking Highways

2011:

Dealer training (325 persons) in  
Belgium

Publications in e.g. Driving Vision  
News, Thinking Highways



**Thank you for your attention!**

**Questions?**

