

# INVISIBLE ROAD SIGNS: WHY TRUCK DRIVERS' VISIBILITY MUST IMPROVE TO ENHANCE ROAD SAFETY

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FROM SAFETY DATA TO  
SAFER CITY STREETS

ITF-POLIS WORKSHOP

20/11/2018 | LONDON  
21/11/2018 | MANCHESTER

**POLIS**  
CITIES AND REGIONS FOR  
TRANSPORT INNOVATION

The joint workshop with POLIS' Road Safety Working  
Group marks the 4th meeting of ITF's Safer City  
Streets Network.

# THE RESEARCH

## Question:

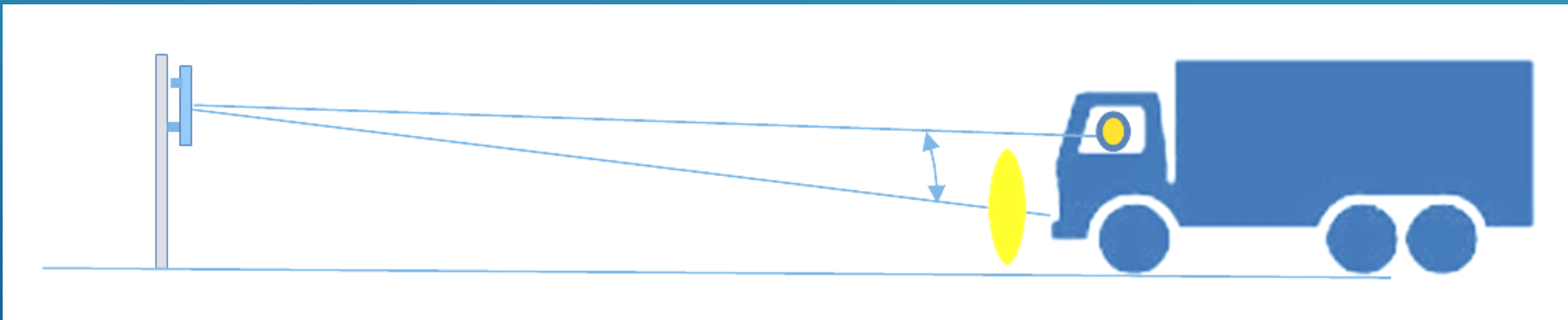
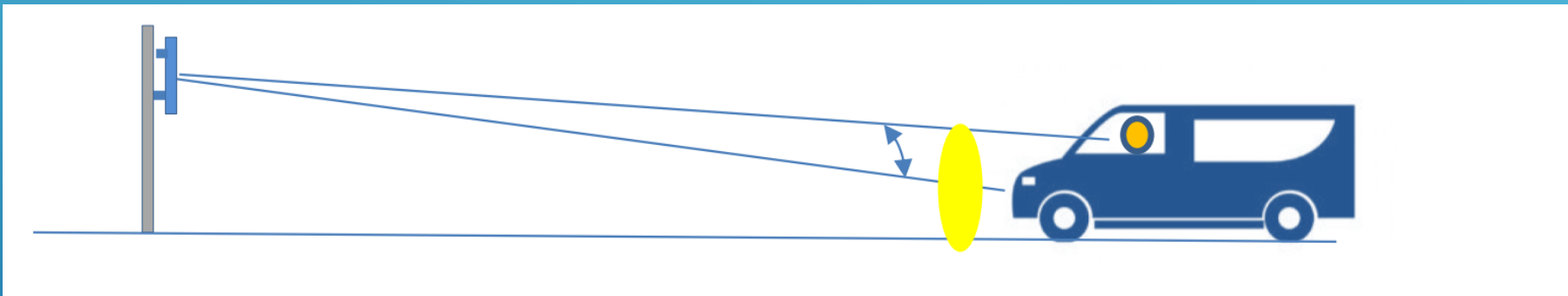
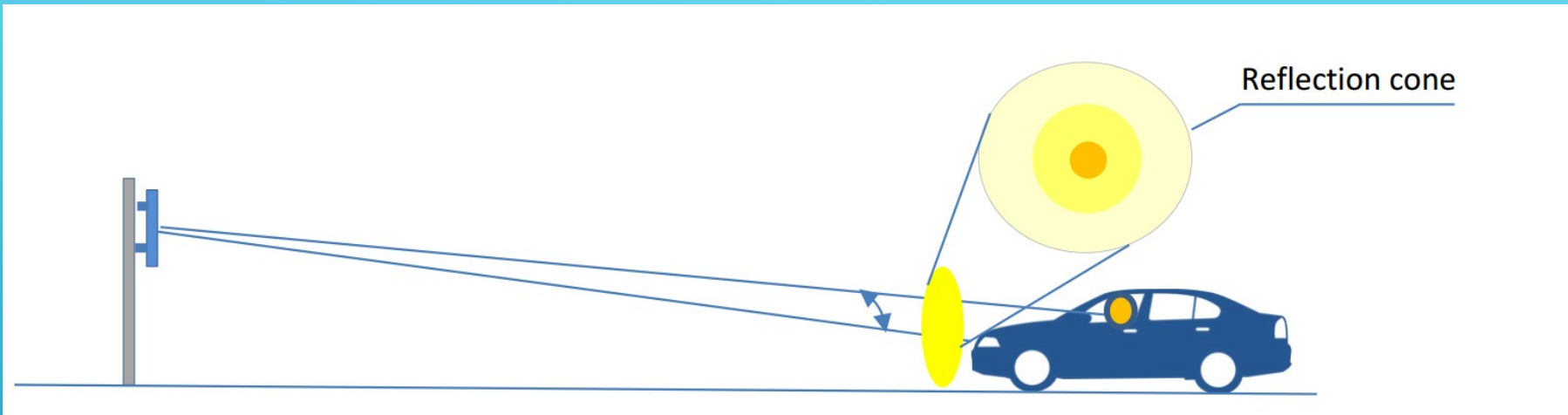
Do road signs still need a light source or is retro-reflection a welcome alternative for all signs?

## Research

- Literature study
- survey for road authorities
- Interviews suppliers & manufacturers
- Fieldwork
- Expert session
- Driving tests
- Test sites
- Laboratory tests



# WHAT IS RETROREFLECTION?









## Conclusions on this matter:

Lorry drivers at night have more trouble seeing:

- Road- and traffic signs
- The windings of the road ahead in the dark

is not clear if this actually leads to related accidents but,

Drivers of heavy vehicles should be able to see signs well ahead!

Possible reason why lorry drivers use driving beam lights more often





# NEXT STEPS



PROBLEM  
RECOGNITION



ADDITIONAL  
RESEARCH



FIND A SOLUTION



# THIS IS A MATTER ON:

- ▶ International road authorities (Vehicle regulations & road safety)
- ▶ Manufactures of lorries (position of the lights)
- ▶ Manufactories on reflecting materials
- ▶ Suppliers of road sings

**THANK YOU!**

The background is a solid blue color. In the top-left corner, there is a white triangular shape. In the bottom-right corner, there is a white triangular shape. Several white diagonal lines of varying thicknesses run from the bottom-left towards the top-right, creating a sense of motion or speed.