

# Can cyclists and tramways ride on the same space ?



# In France, 2 cases of regulation for tram running in streets

- Tramway alone on dedicated lane with exclusive right of way
- Tramway sharing the space with other road users (mixed zone)



# In France, 2 cases of regulation for tram running in streets

- Tramway alone on dedicated lane with exclusive right of way



# In France, 2 cases of regulation for tram running in streets

- Tramway sharing the space with **all** other road users (mixed zones)



# What do we see in reality ?





Montpellier



Montpellier



Montpellier





Bordeaux



Bordeaux



Grenoble

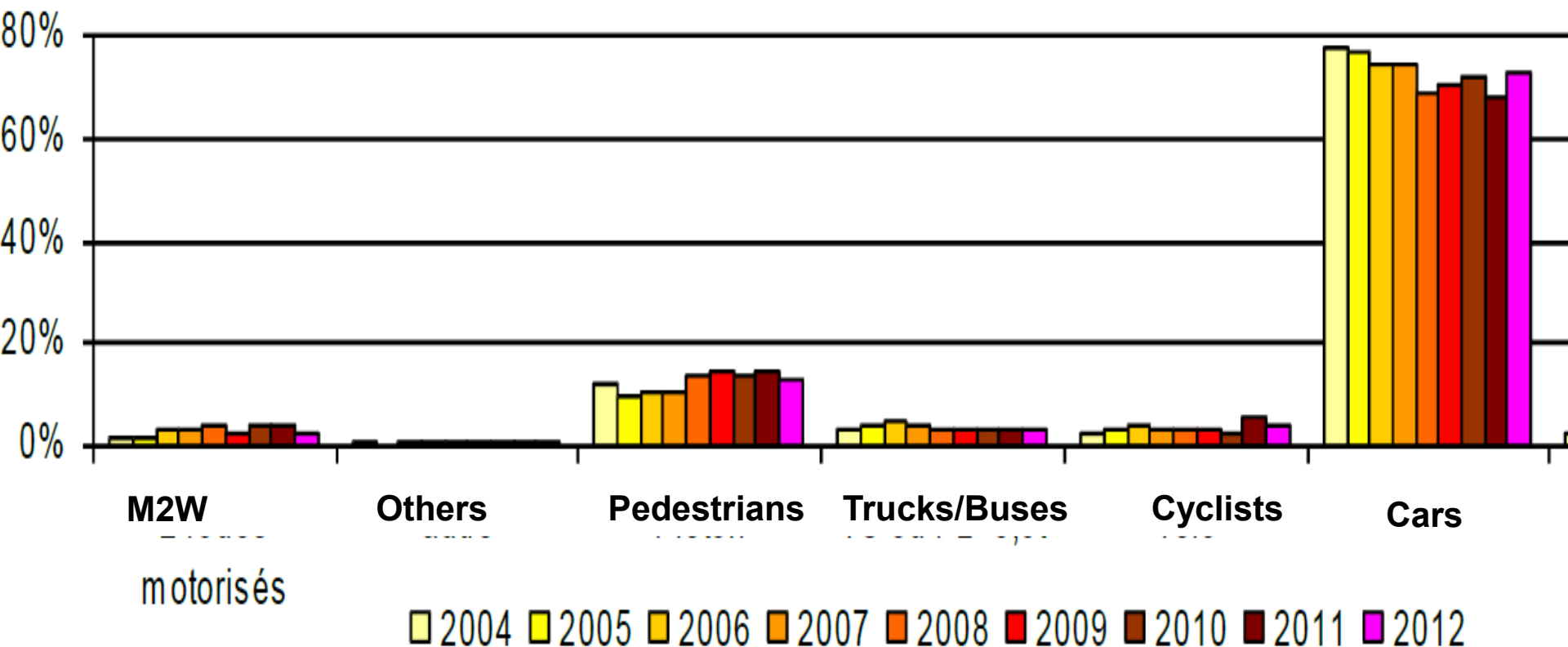


Grenoble



Grenoble

# Tramway crashes with antagonist, by type of user (relative distribution)

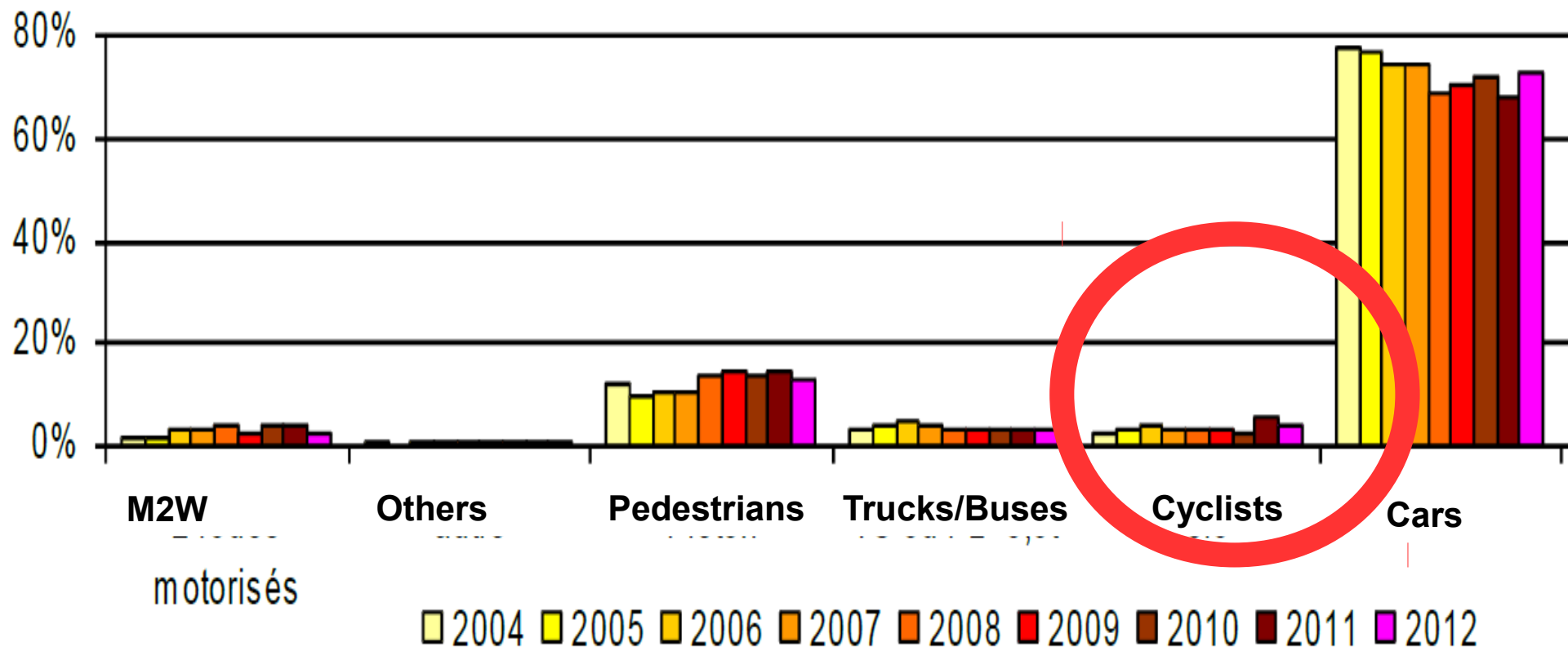


motorisés



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# Tramway crashes with antagonist, by type of user (relative distribution)



# Cyclists accidents on the tramway rail

- Under-reported
- Mainly slight injuries

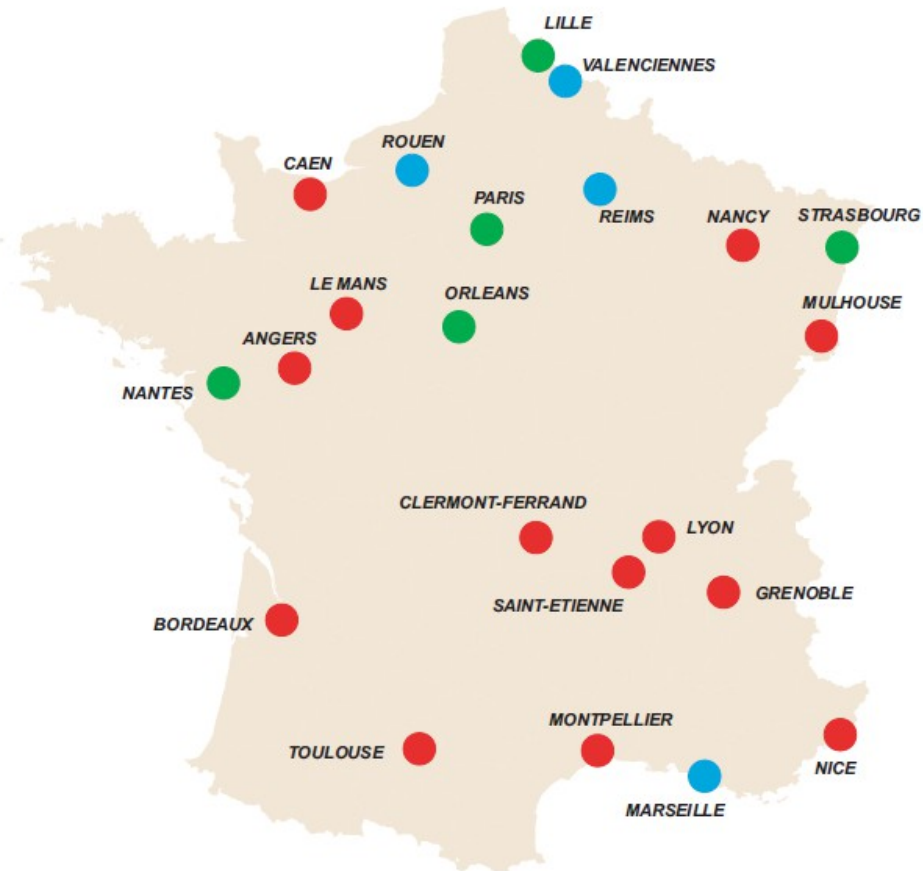







# Part 1 : survey on organisations



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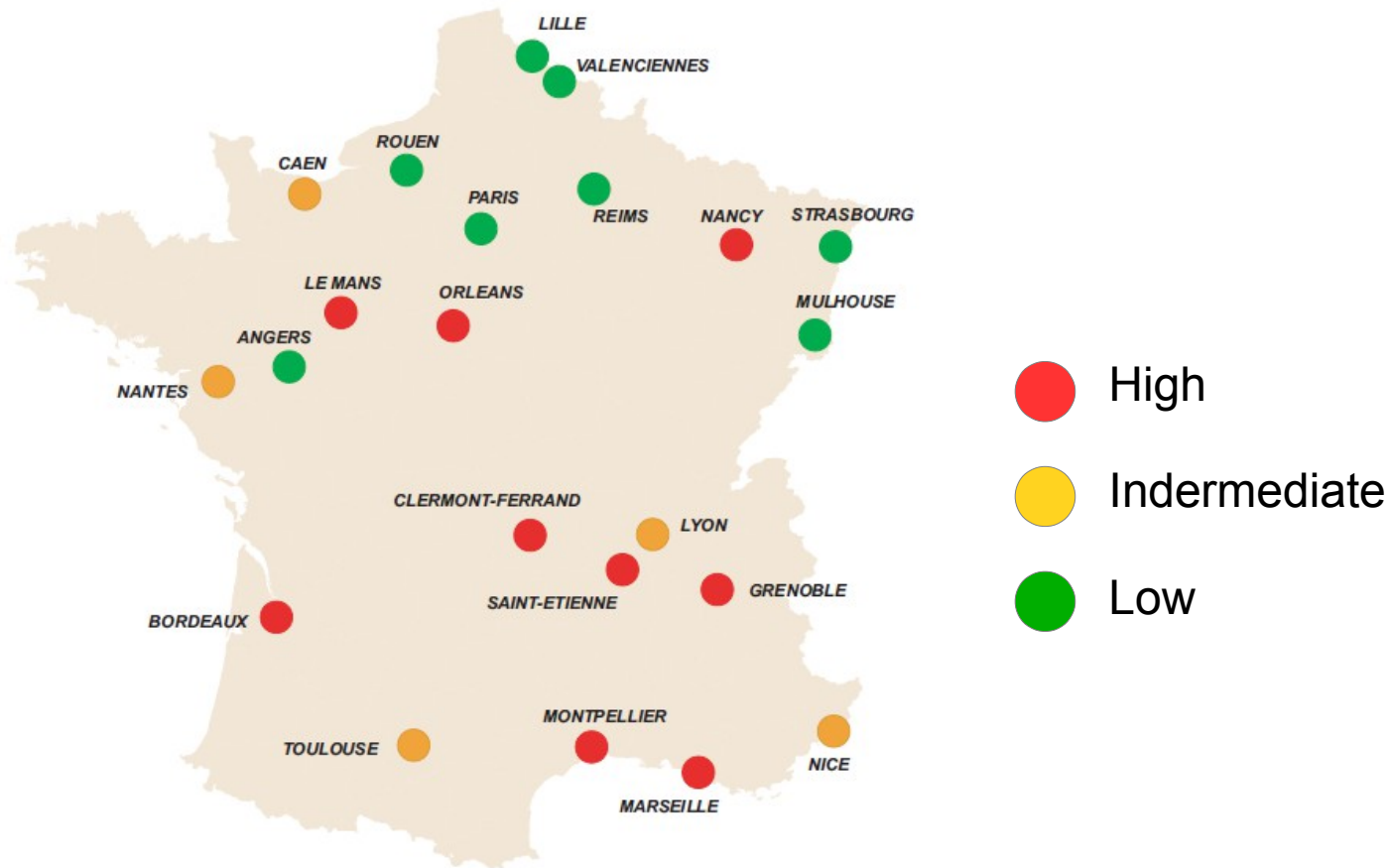
For tram operators cyclists are :

-  a problem
-  not a problem because of good cycling facilities
-  not a problem because not many cyclists are riding on the track bed



# Part 1 : survey on organisations

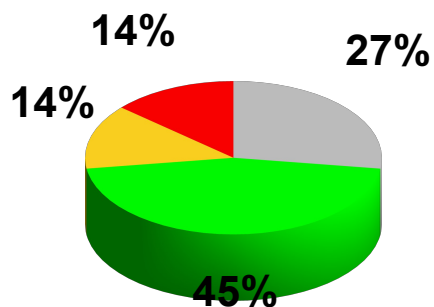
How the organisation perceive the traffic of cyclists riding on tramway tracks



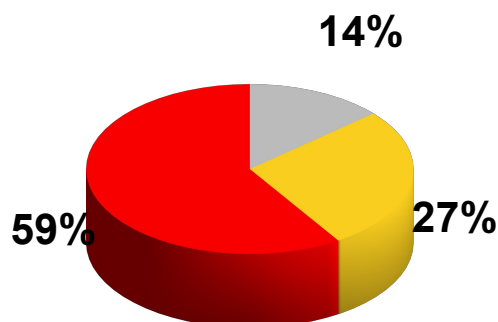
# Opinions...

- What do you think about opening a certain number of tram sections to cyclists ?

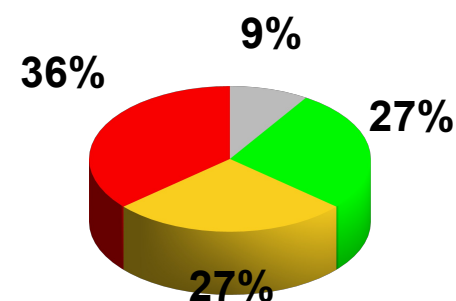
Cyclist's associations



Tram Operators



Road managers



■ against

■ Why not, terms of mixity should be discussed

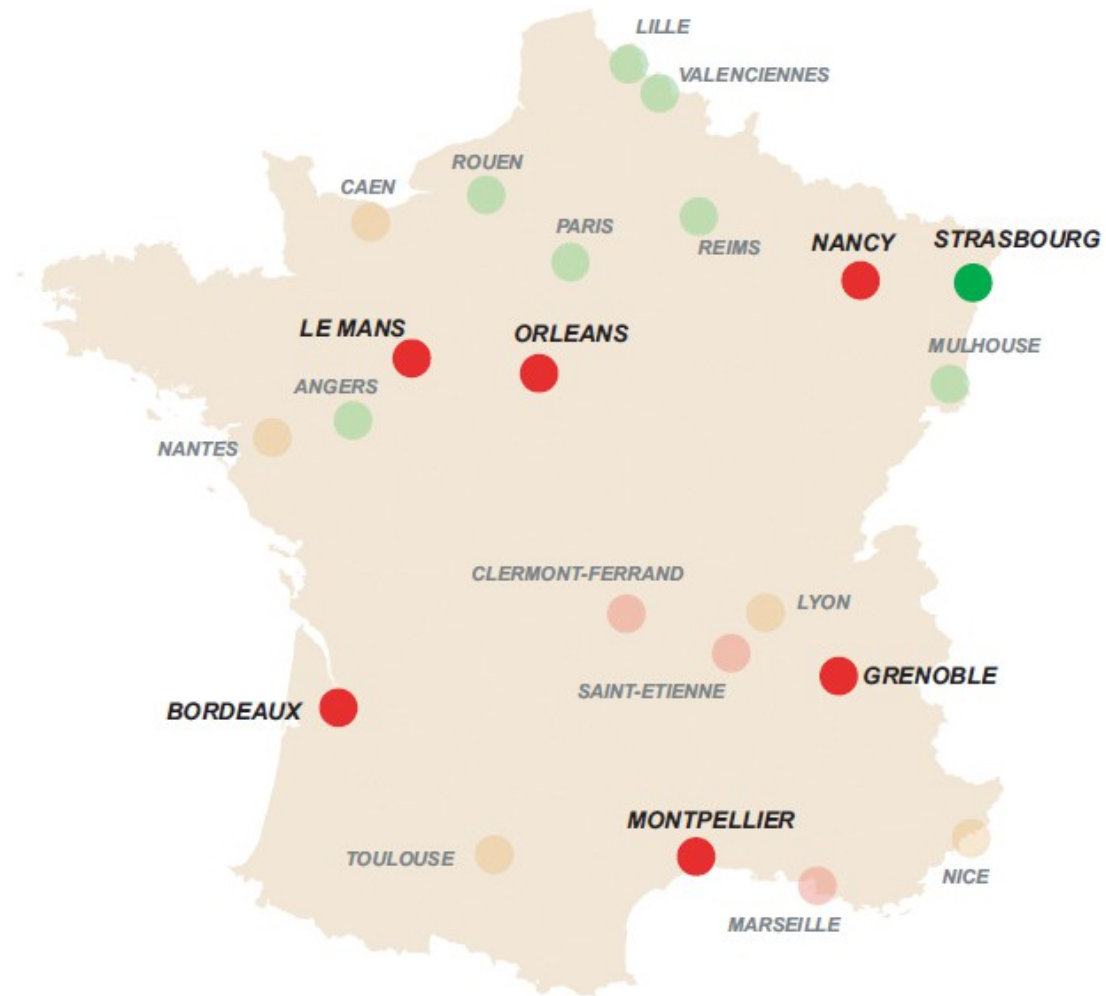
■ favourable

■ No opinion



## Part 2 : in-situ survey

- 17 places in 7 cities
- 550 hours of observation
- 6000 cyclists behaviours analysed



## Part 2

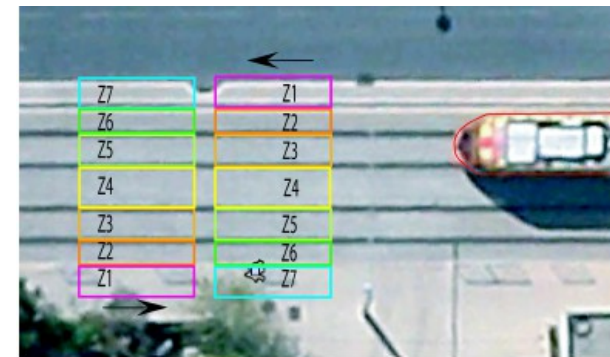
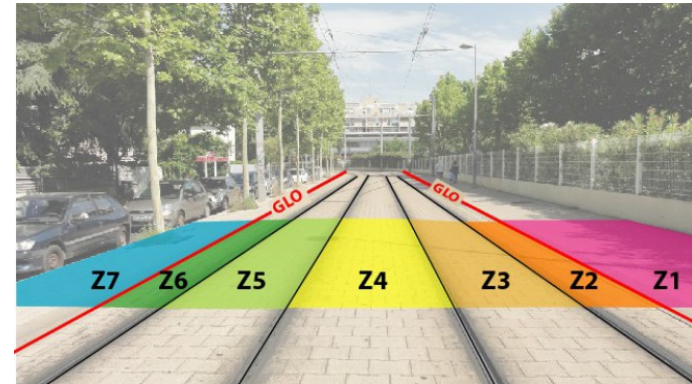
3 types of survey:

**1- Counting (7h/9h – 16h/19h)**

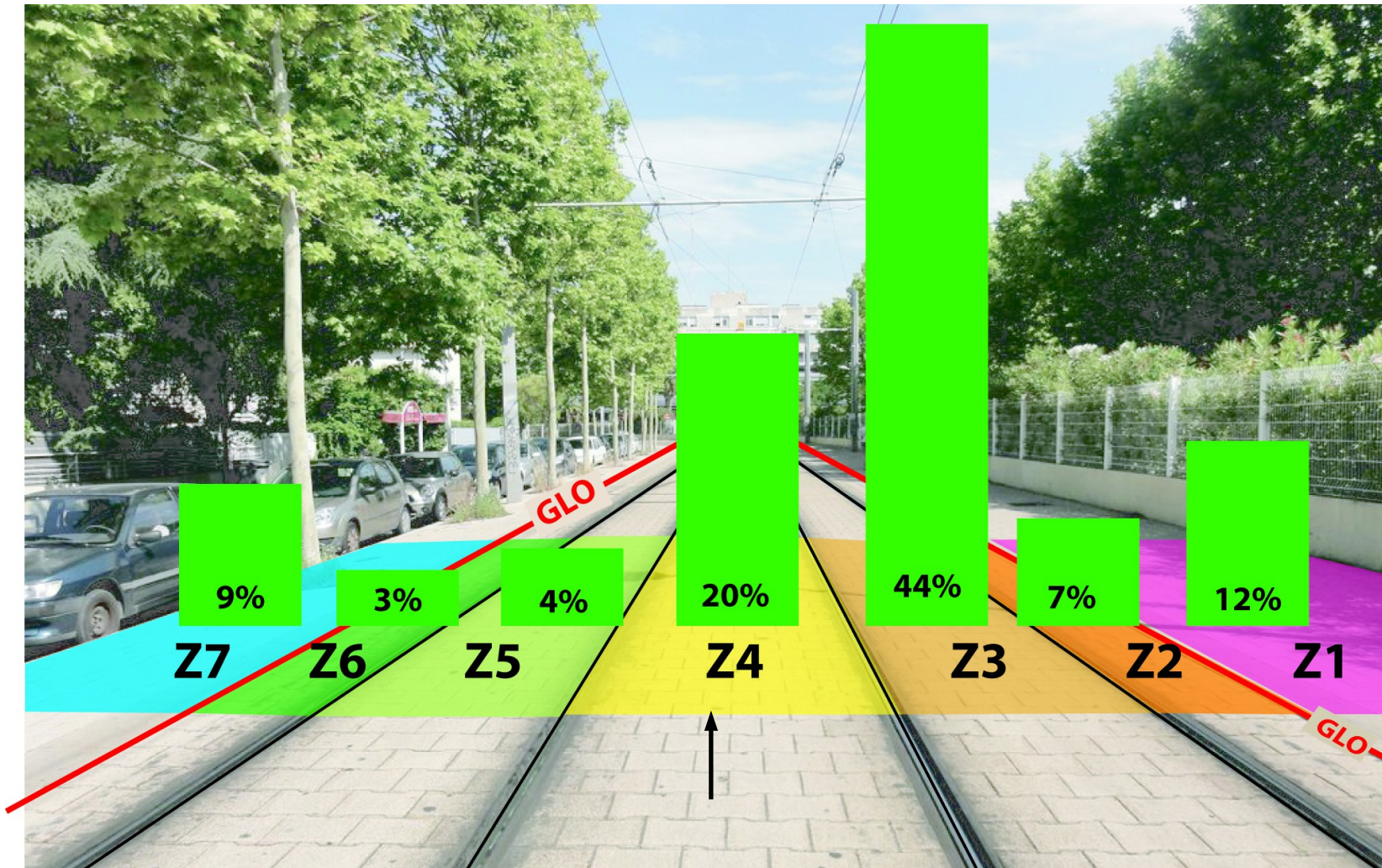
**2- Behaviour analyses, with focus on**

- Interaction with tram
- Behaviours at junctions
- Behaviours at stations
- Pedestrian crossing
- Tram behaviour

**3- 500 cyclists riding on the tram track where interviewed**

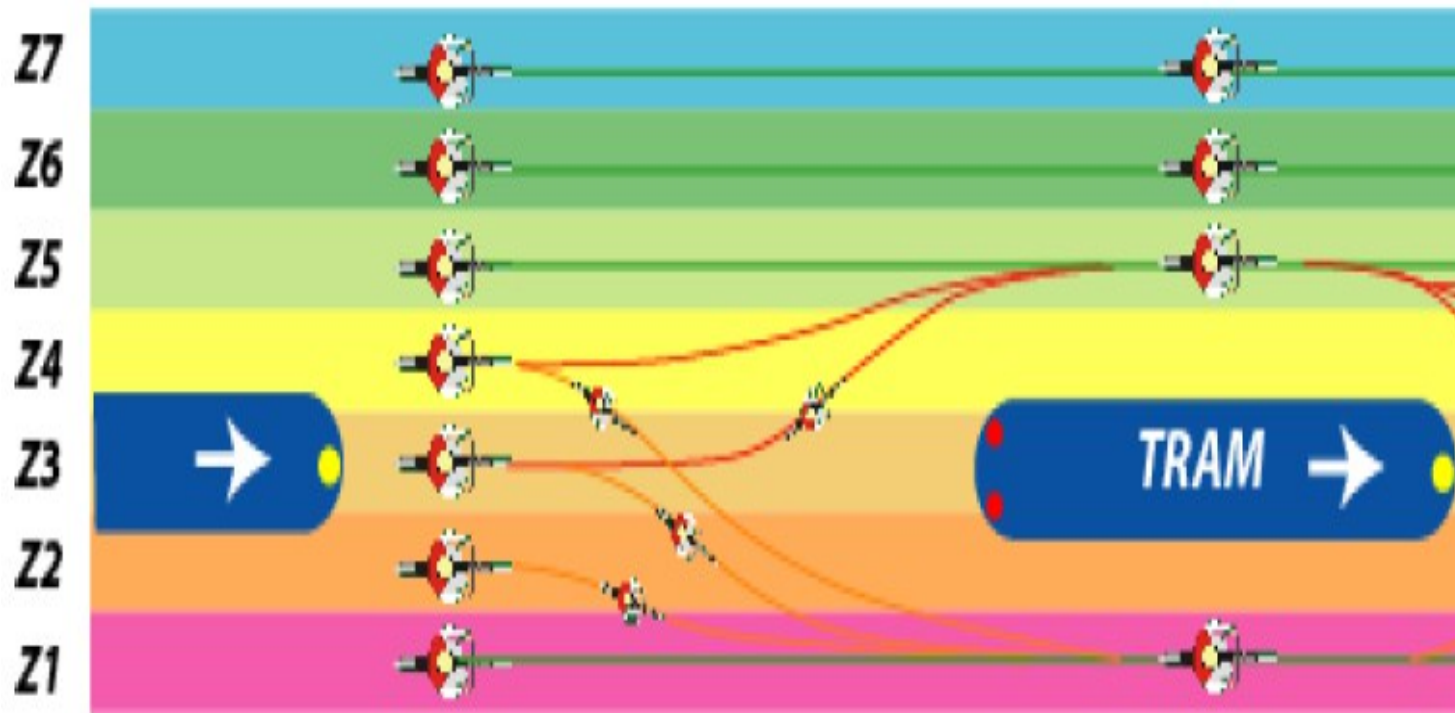


## Part 2 : on which part of the tracks do cyclists ride ?



## Part 2 : interactions between cyclists and tram

Tram catching up with cyclists : 76 cases, between 1 and 4 % of all cyclists observed

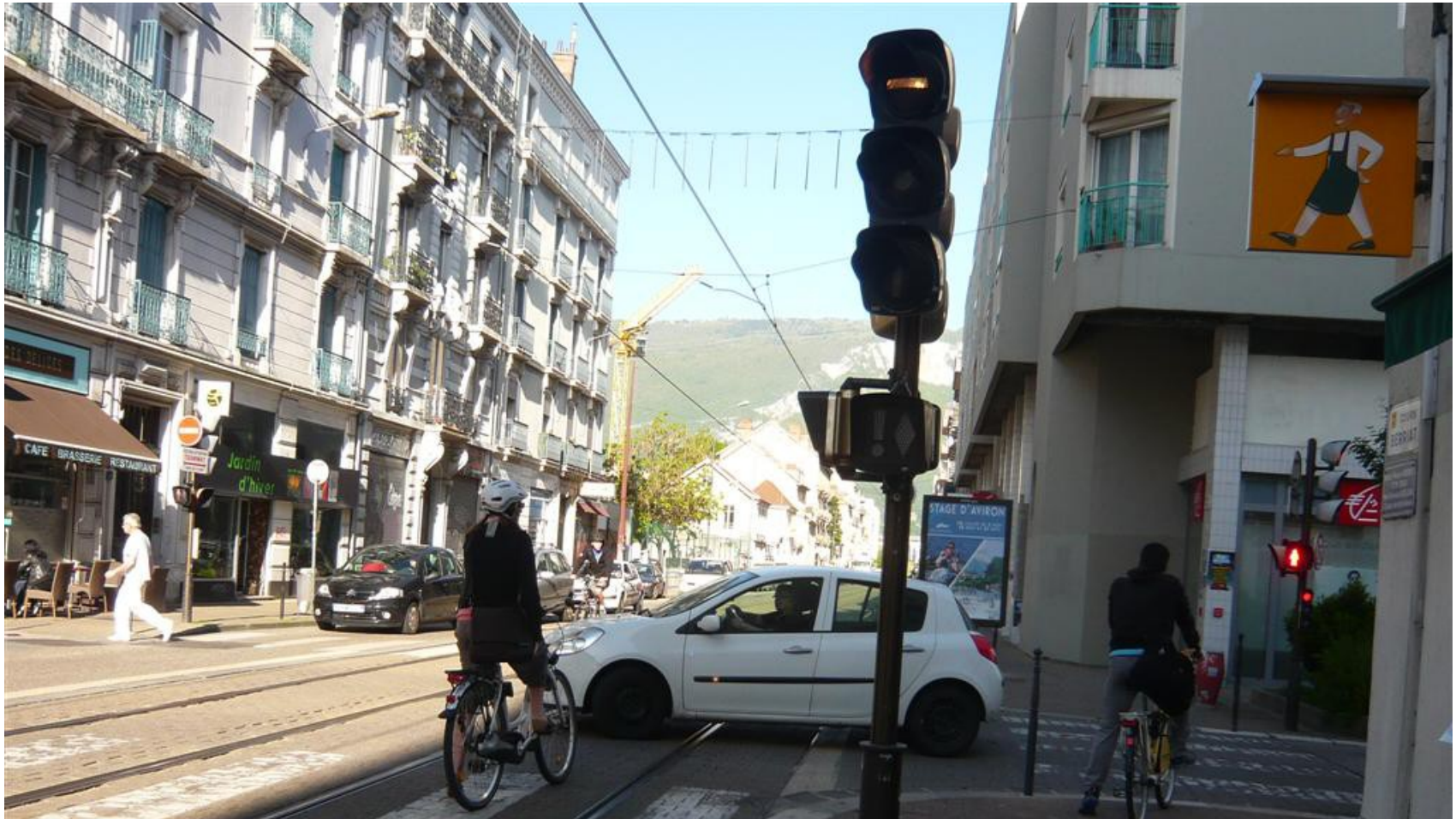




## Part 2 : behaviours at stations



## Part 2 : behaviours at junctions



## Part 2 : behaviours at pedestrian crossings



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## Part 2 : behaviours at pedestrian crossings



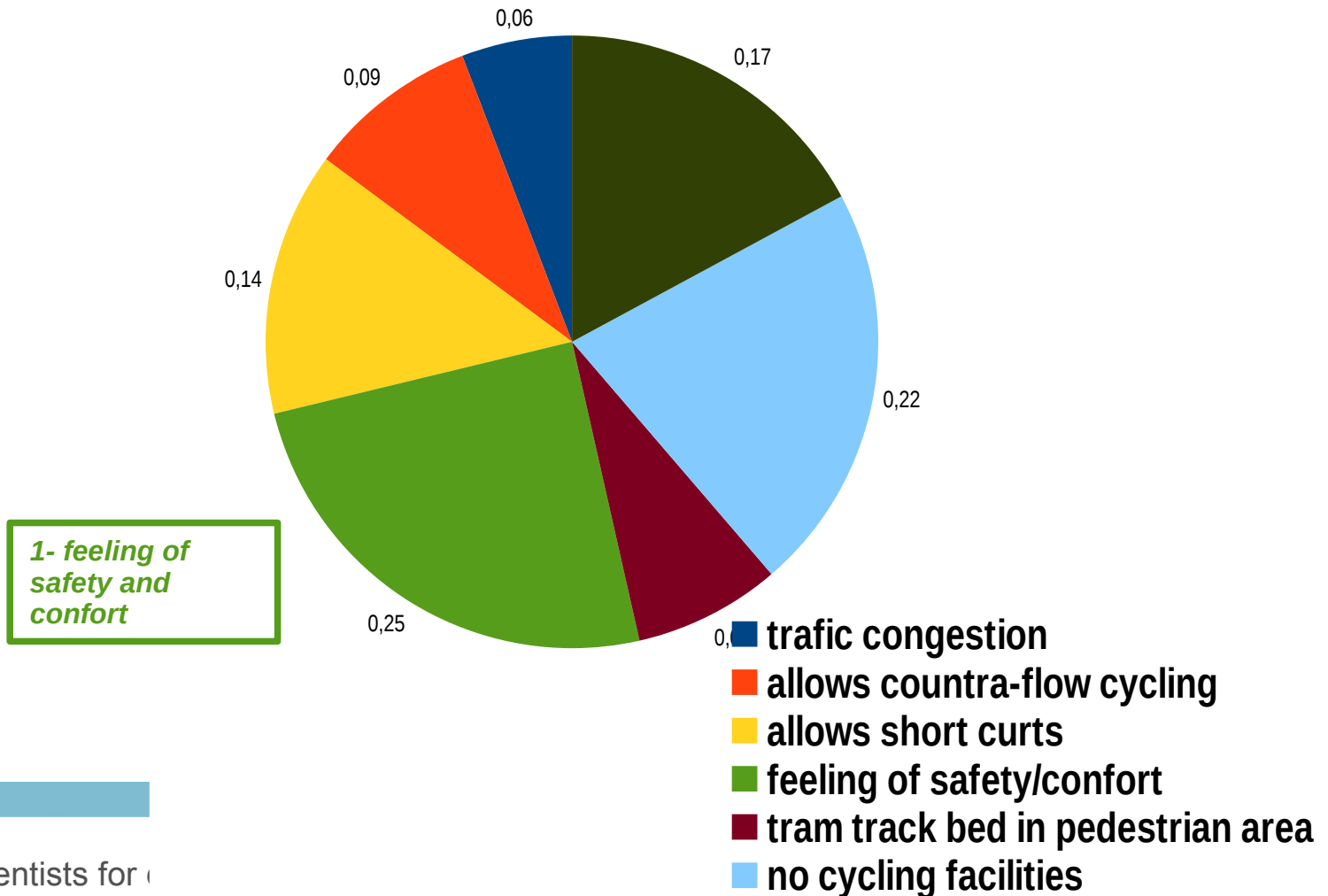
# Part 2 cyclists interviews

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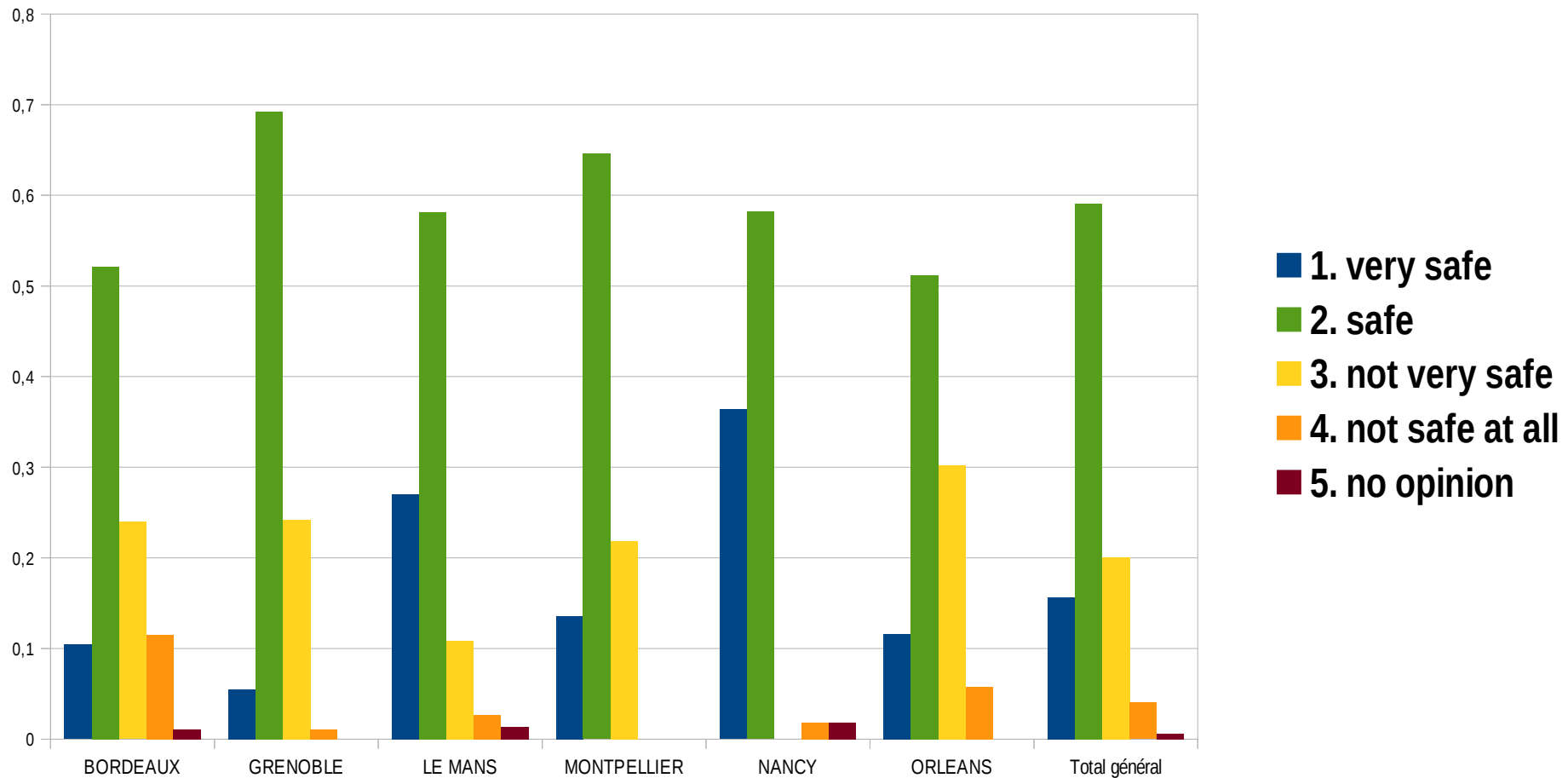
## Part 2 : cyclists interviews

Why do you ride on the tram track in this street ?



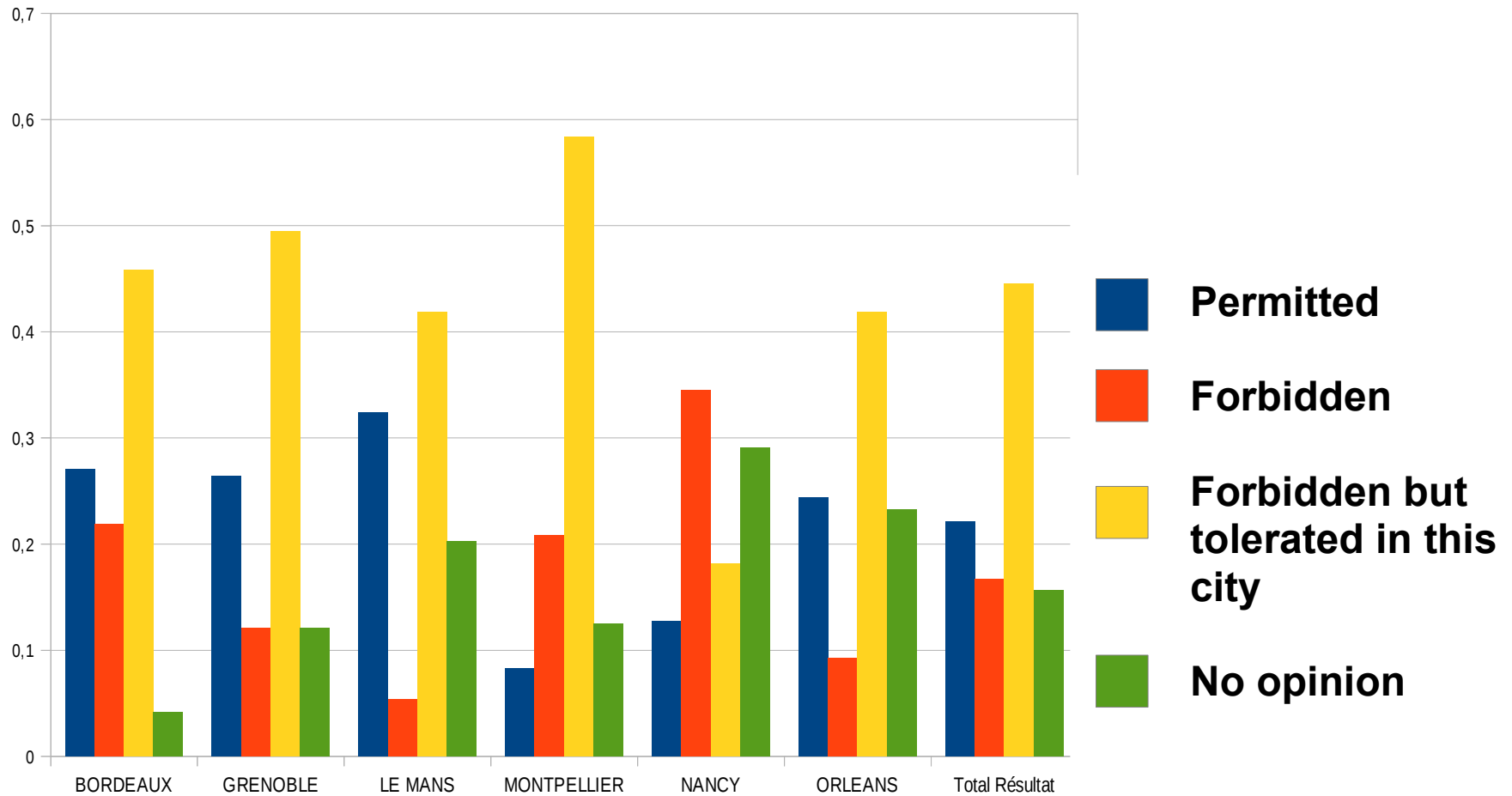
## Part 2 – cyclists interviews

How safe do you feel on the tram track bed ?



## Part 2 – cyclists interviews

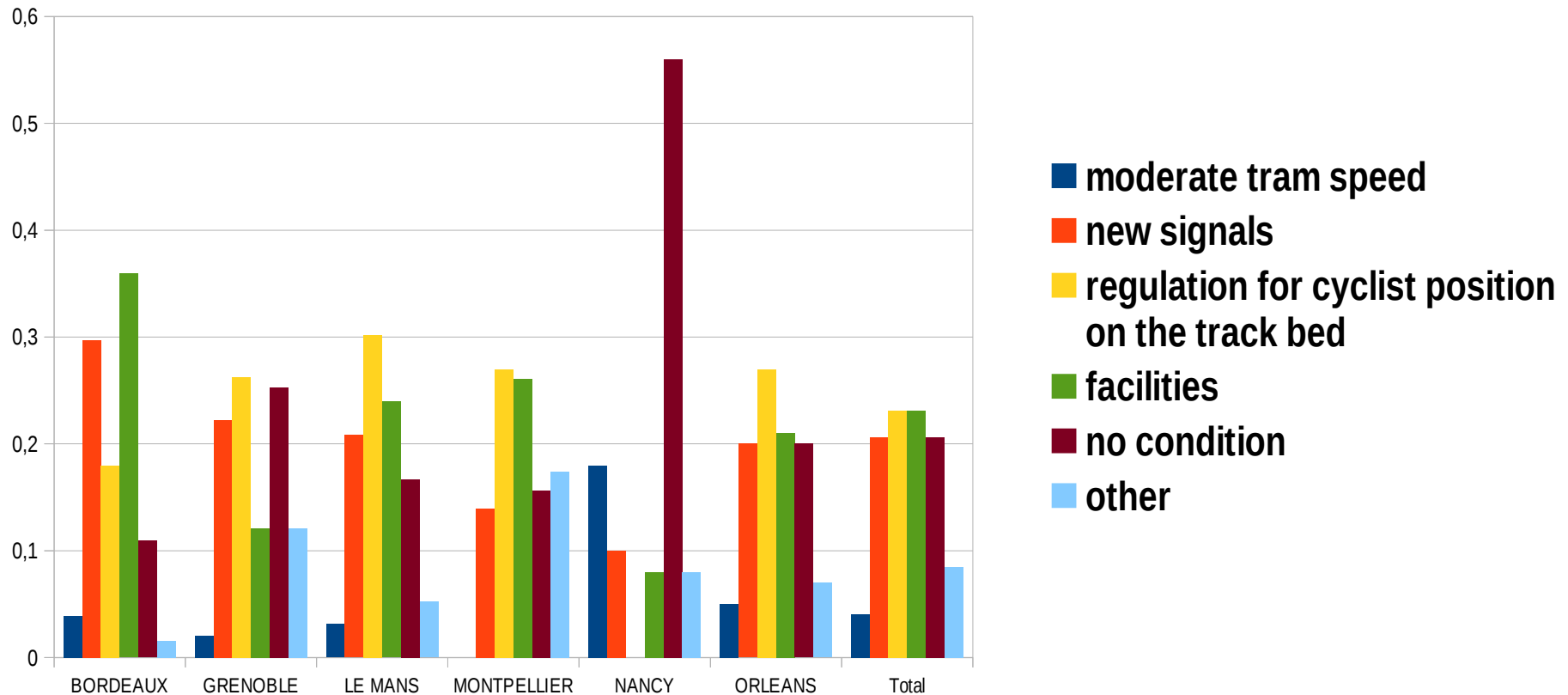
Do you think the track bed is allowed or forbidden for cyclists ?





## Part 2 – cyclists interviews

Which conditions do you consider as needed for opening the tracks to cyclists ?



# Conclusion

- **Few interactions between bicycles and tramways**
- **Cyclists seem cautious when driving on the tram tracks**
- **75% of the cyclists riding on the tracks feel comfortable and safe**
- **Cyclists don't seem to have an impact on trams behaviour**



# Key messages and recommendations for local authorities

## ➔ 1/ New projects

-Cycling facilities out of the track must be provided in each tram project

## ➔ 2/ existing tram-lines without cycling facilities

- look for place for cyclists out of the tram-track (for example by removing car parking)

- If not possible, make place for the possibility for cyclist to use the tram track, with conditions.



# Further information...



Direction territoriale Méditerranée

## Interaction vélos / tramways dans les réseaux français Phases 1 et 2



[www.cerema.fr](http://www.cerema.fr)



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# Contributors



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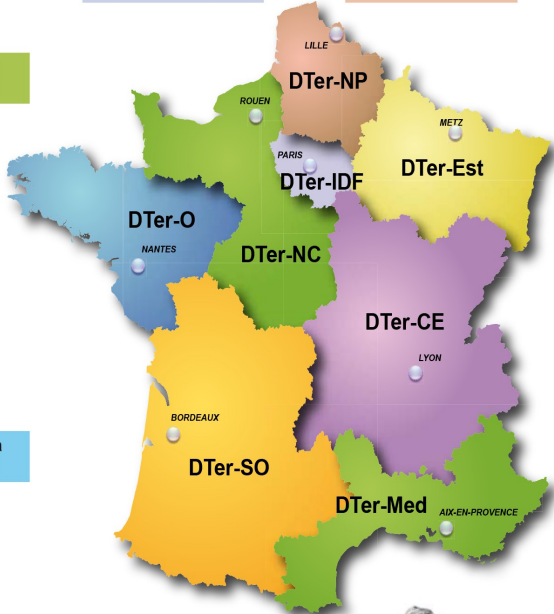
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Thank you

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