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?
Grenoble
Tramway crashes with antagonist, by type of user (relative distribution)
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
Part 1: survey on organisations

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

- High
- Intermediate
- Low
Opinions...

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

Cyclist's associations
- Against: 14%
- Why not, terms of mixity should be discussed: 27%
- Favourable: 45%

Tram Operators
- Against: 14%
- Why not, terms of mixity should be discussed: 59%
- Favourable: 27%

Road managers
- Against: 36%
- Why not, terms of mixity should be discussed: 27%
- Favourable: 27%
- No opinion: 9%
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
Part 2 : behaviours at pedestrian crossings
Part 2 cyclists interviews
Part 2: cyclists interviews

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

1- feeling of safety and comfort

- traffic congestion
- allows contra-flow cycling
- allows short cuts
- feeling of safety/comfort
- tram track bed in pedestrian area
- no cycling facilities
Part 2 – cyclists interviews

How safe do you feel on the tram track bed?

<table>
<thead>
<tr>
<th>Location</th>
<th>1. very safe</th>
<th>2. safe</th>
<th>3. not very safe</th>
<th>4. not safe at all</th>
<th>5. no opinion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bordeaux</td>
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<td>Grenoble</td>
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<td>Le Mans</td>
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<td>Montpellier</td>
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<td>Orleans</td>
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<tr>
<td>Total général</td>
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</tbody>
</table>
Part 2 – cyclists interviews

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

- Permitted
- Forbidden
- Forbidden but tolerated in this city
- No opinion
Part 2 – cyclists interviews

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

- moderate tram speed
- new signals
- regulation for cyclist position on the track bed
- facilities
- no condition
- other
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.
Interaction vélos / tramways
dans les réseaux français
Phases 1 et 2

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à pourvoir

Scientists for cyc
Thank you

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