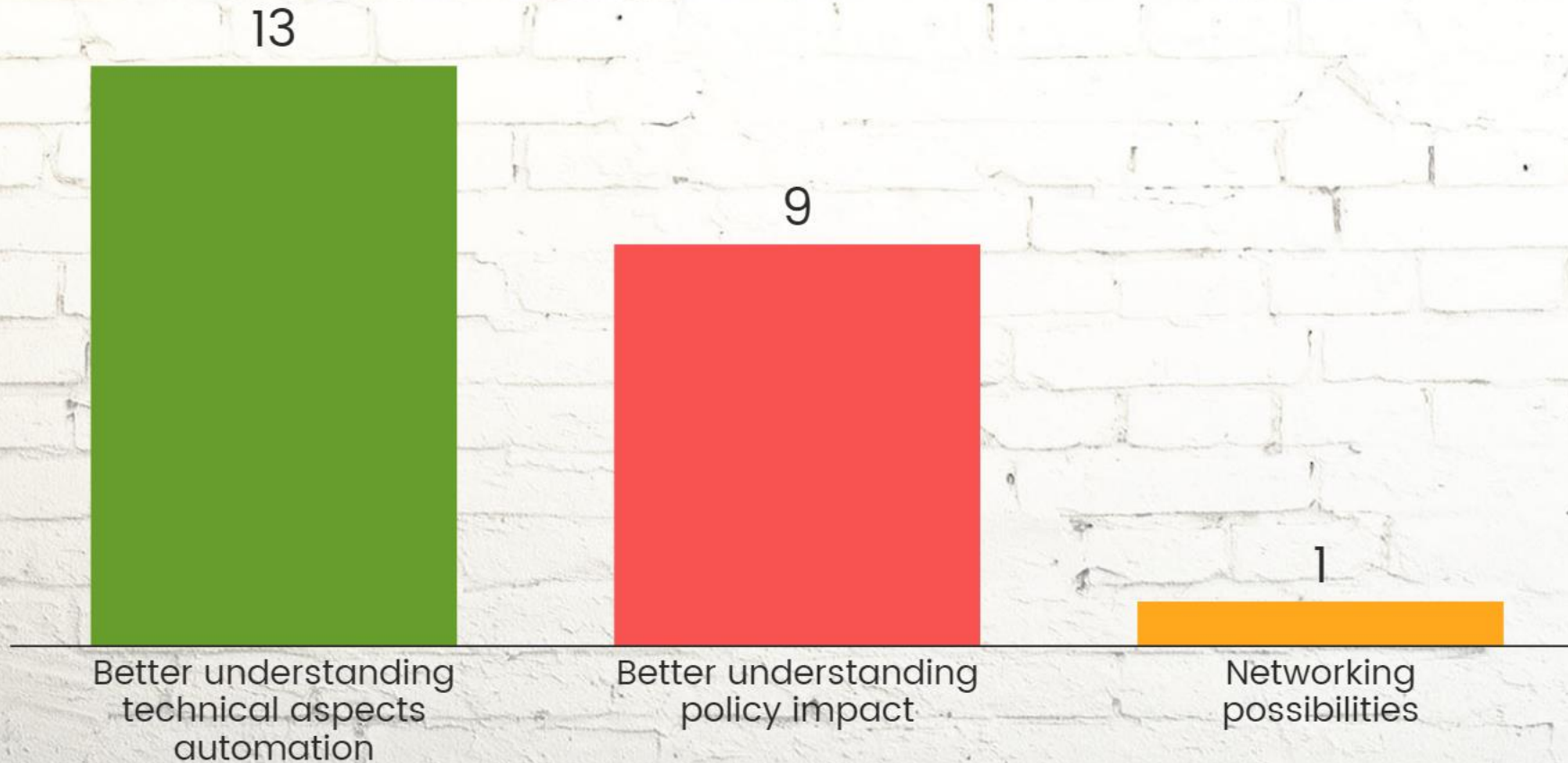


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What is your main reason for being here ?



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How would you describe your level of knowledge of vehicle automation?

Expert

2.5

New subject

1.9



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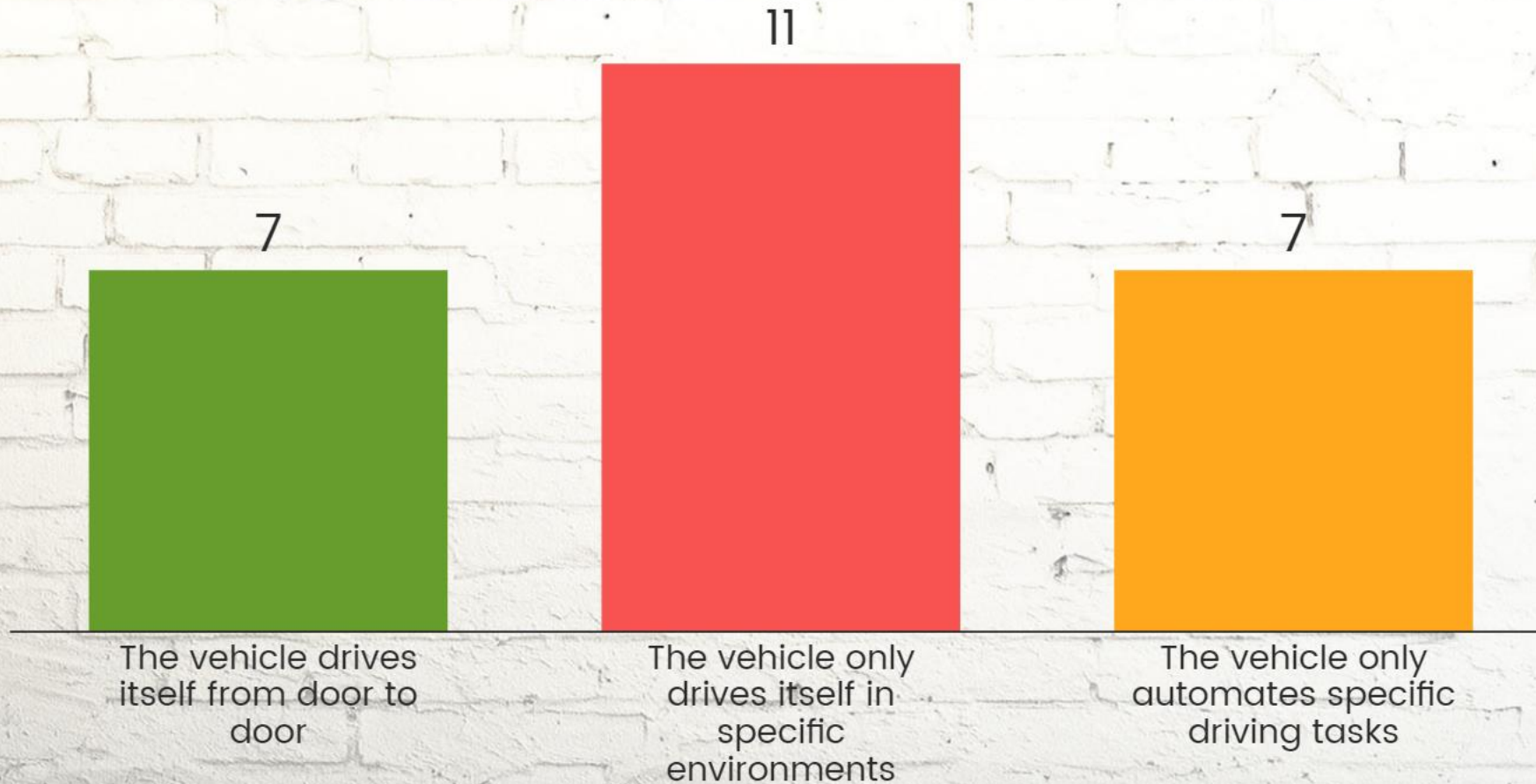
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What is your understanding of vehicle automation?



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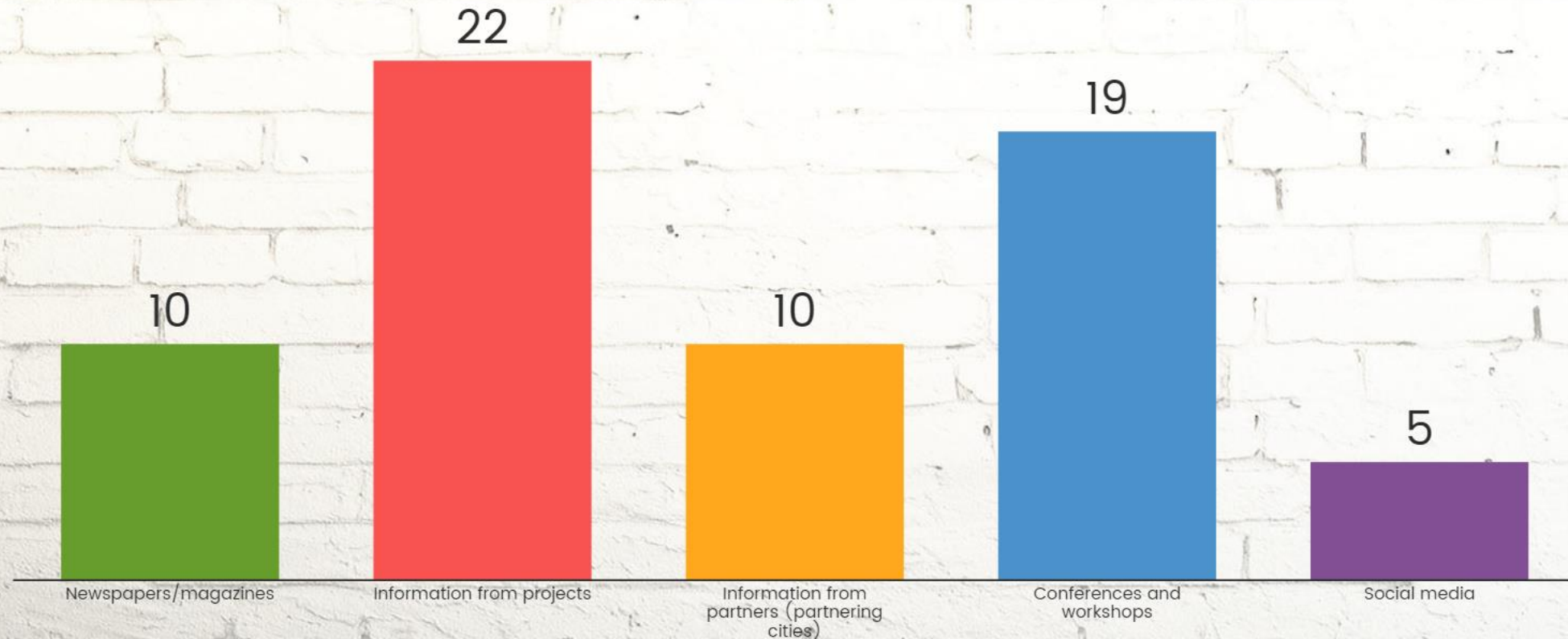


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What is your main source of information related to automated vehicles?



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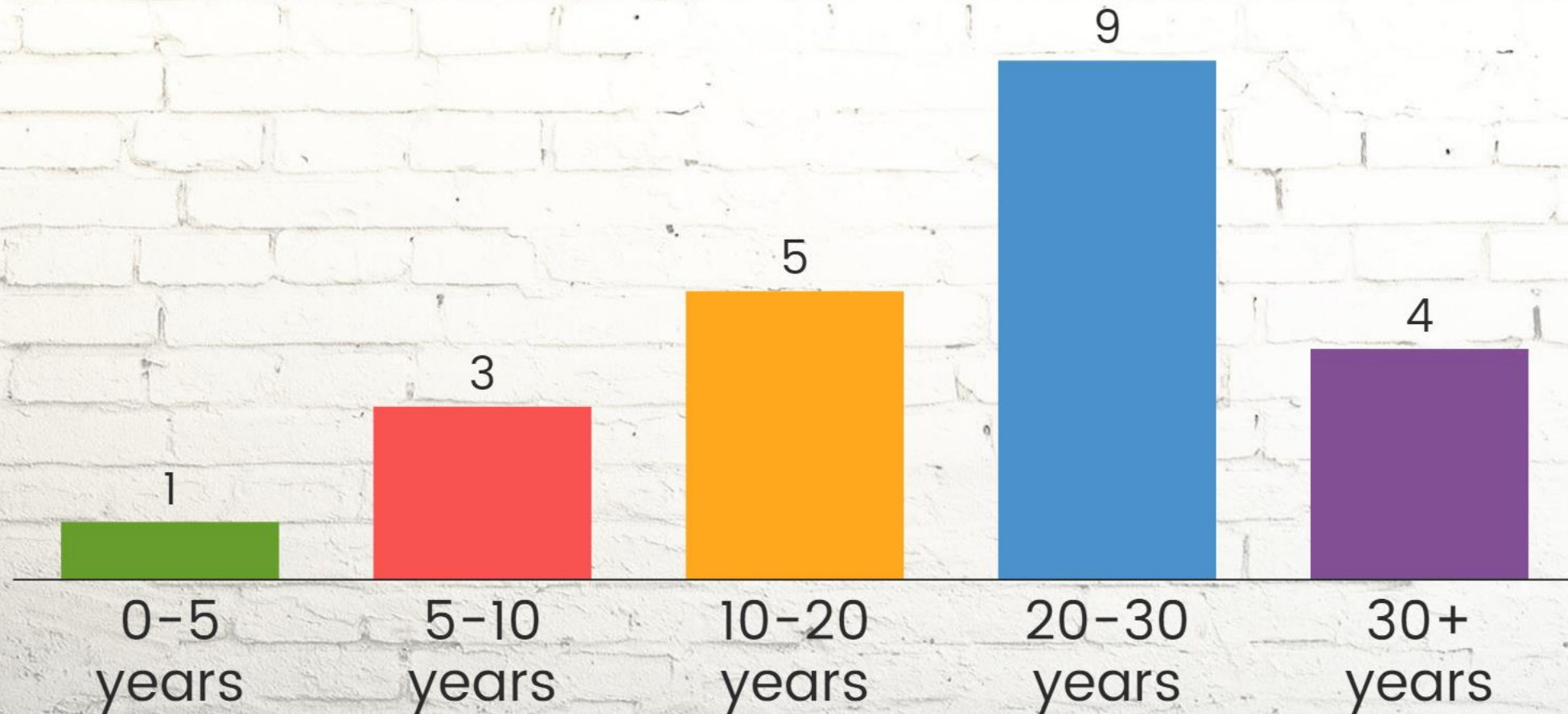


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When do you think 10% of the vehicle fleet in your city will be automated vehicles?



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Is your local authority preparing for the introduction of automated vehicles?



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What are the most critical issues in your city related to mobility and infrastructure [no spaces]?

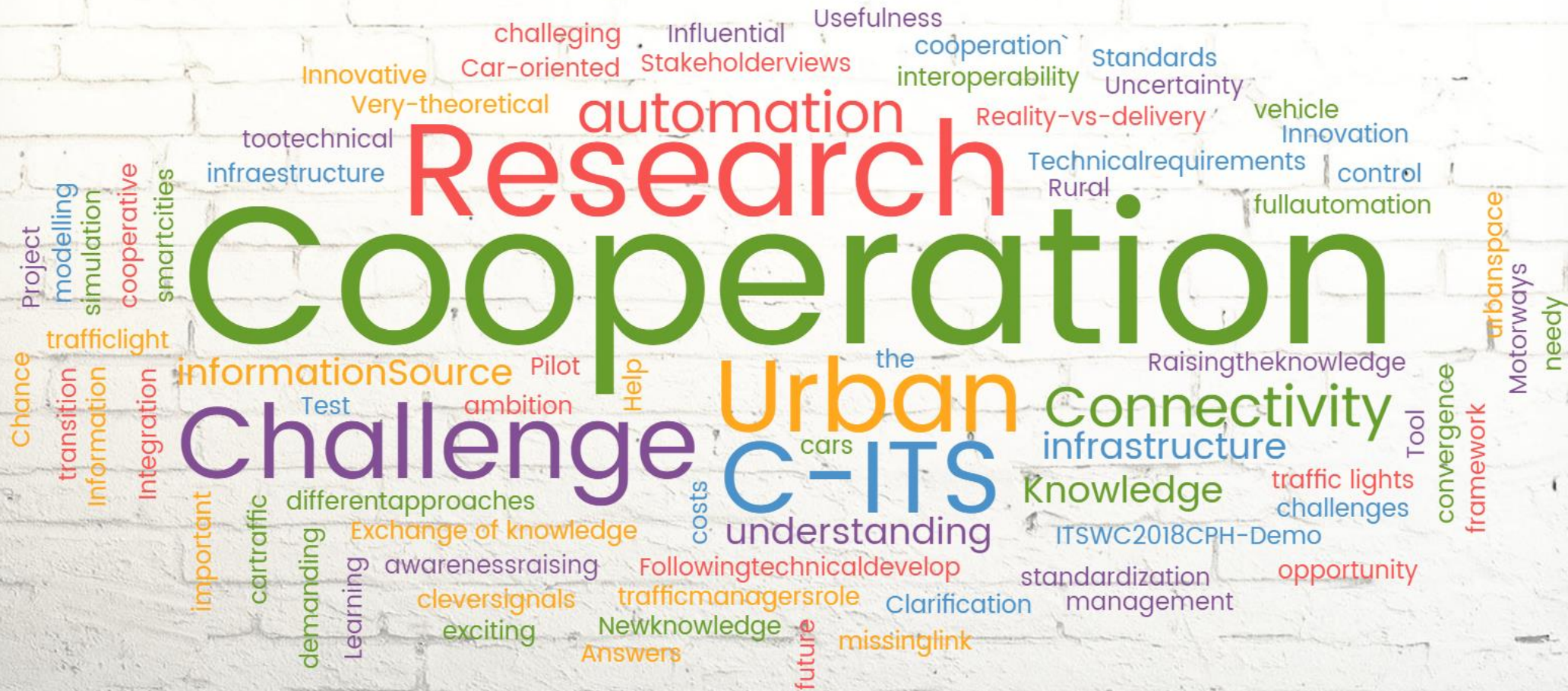


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What is MAVEN for you [no spaces]?



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Considering automated vehicles in normal traffic, how important are;



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How do you see projects like MAVEN and your role within them?

Mentimeter



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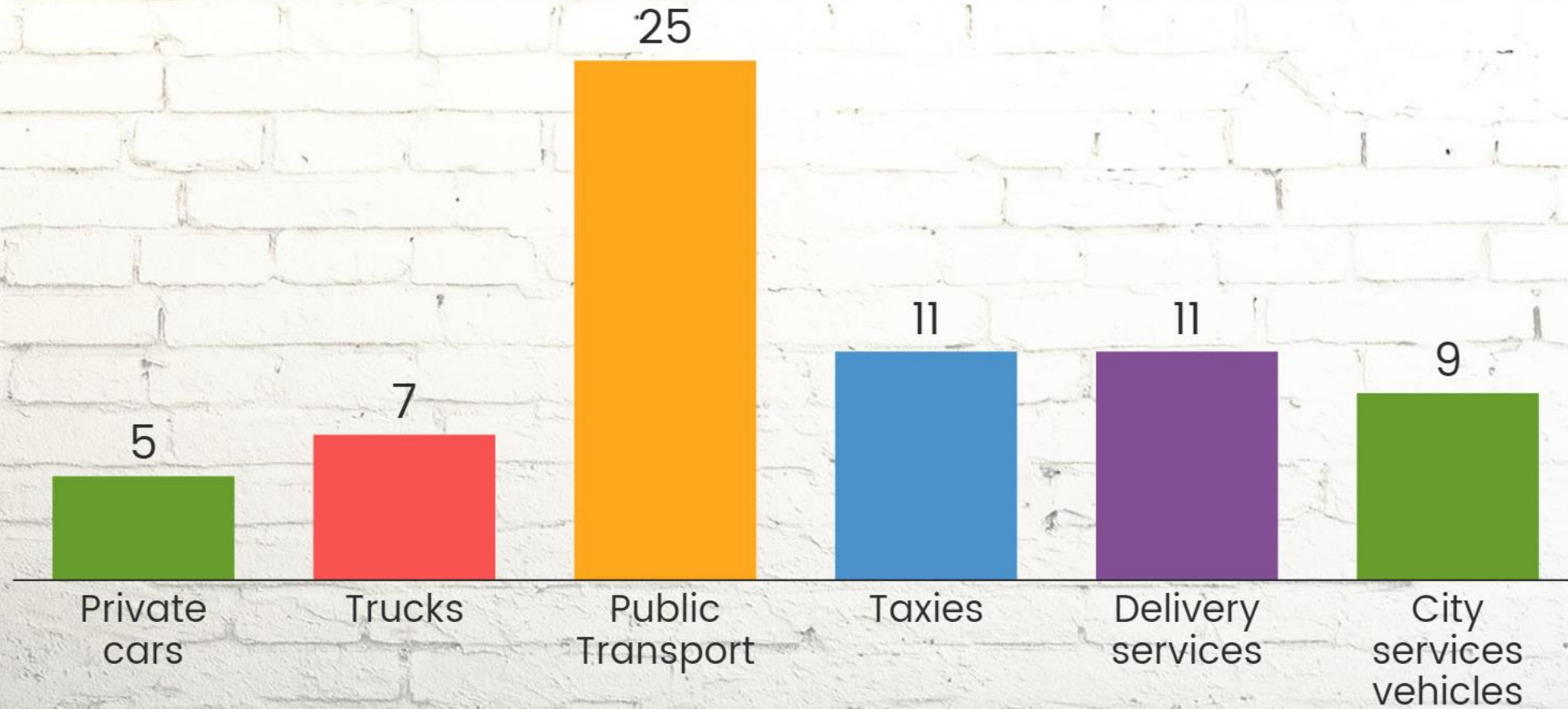
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Which vehicle class has the most potential for automation?



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The MAVEN use cases;



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What words spring to mind considering these MAVEN use cases?

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What technical requirements or non-technical requirements do you have for MAVEN use cases?

MAVEN should ensure use cases are as close to reality as possible.

what happens in case of malfunction? Don't just model cars, but also vehicle fleets - of interest for cities in terms of C-ITS

Data usage should be feasible even at 100% penetration rate

System performance Driver behaviour Strategic context (control, policy, etc.) Benefits quantification Scalability Future proof

Mixed Traffic, Safety, emergency Vehicles as interrupt,

Who makes platooning happening? The Road Authority / City? Or others? Include all actors in the chain and study the strenghts/weaknesses

* business case * what's in it for the cities * liability issues * city policy to reduce car use

Use cases that describe the transition between what we have now and pervasive C-ITS

I need to have a better understanding on the benefits, safety, travel time, environmental effect! Technical what are the infrastructure needs



What technical requirements or non-technical requirements do you have for MAVEN use cases?

Step-by-step approach in the emulation considering that non AV are predominant before fully AV will flow in our cities.

Cyclist numbers taken into account.
Driver behaviour Scalability Mix Traffic users More on network level

People safety need always to be assured

MAVEN should not only solve technical issues but address user (citizen) needs, find its potential on modal shift too.

- standards for messaging (V2V, V2I) - how to manage the (large quantities of) data? - make use of other projects (e.g. PPA)

How to manage data traffic (high volumes of data)

Should be checked in congestion situation, with a lot of VRUs at the same time

techn. standardisation, interoperability, clarity about communications technology (4G vs 5G) nt: first cba, impact (KPI based)

Describe in the usecases and tests also the viewpoint of the not-automated vehicles. / road users



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Human behavior in relation to platooning. As part of a platoon and as roaduser

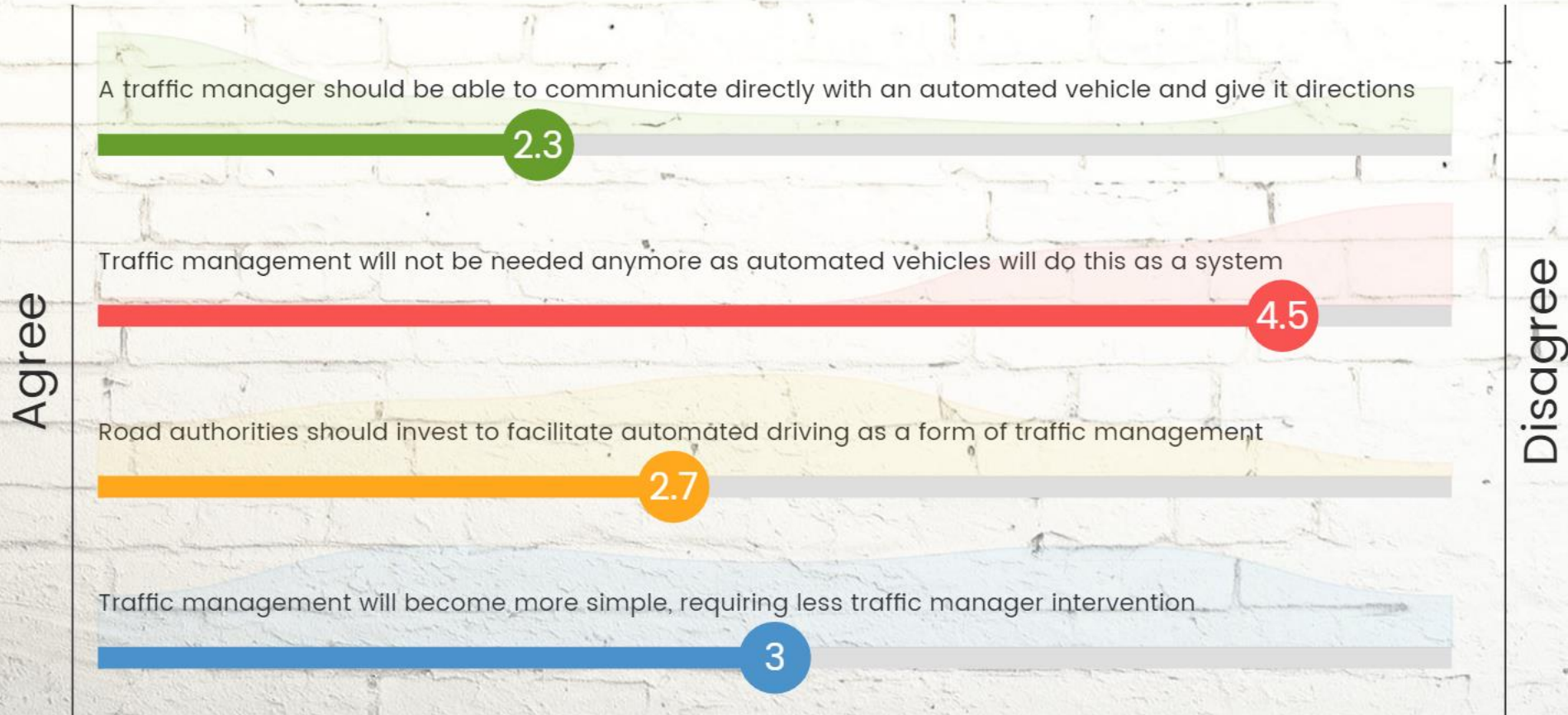
Effects of different mixes of automated and non automated vehicles, failure of one or more components, reliability



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Looking at Traffic Management, to what level do you agree with the following statements?



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What views, questions or concerns do you have regarding the (changing) role and responsibilities of a traffic manager?



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What do you think the impact of automated vehicles in the urban environment will be in relation to;

- Efficiency 3,636363636
- Safety 4,090909091
- Air quality 3,227272727
- Social Inclusion 3,409090909
- Number of vehicles trips 2,272727273
- Kilometers driven 2,454545455
- Land use 2,909090909

What do you want to get out of MAVEN's impact assessment?

- Robust_results Replicability Quantified_costs
- Scale Efficiency Capacity
- numbers
- Costs Scale Capacity
- OperationalGuideline Restrictions
- KPI-CO2-traveltime Best-worse_usecases Implementationcost-benefi
- not_just_car_focused Costs Migration
- roadsafetyimpact costbenefit infrarequirements
- energysavings timeefficiency costsforusers
- Impact Replicability Scale
- ImpactOnCarUse ImpactOnTTReliability ApplicabilityOfResults
- impact usage usage
- migrationpath preconditons
- Gains_VS_Cost Verifications Applicability
- Costs
- Energy_savings Robust_results Applicability
- Low_tech_paper_-_budgeter Guidance_to_manufactures

What issues do you see or questions do you have regarding the transition to more automated vehicles?

- lowpenetration
- Who_is_in_control Ensure_standardisation Cost
- UserAcceptance InvestmentsInOldNewInfra Interoperability
- More_pain_than_gain_first
- lowprenetation cost Ensure_standardisation
- Governement_involvement Public_Awareness Succes_stories
- Mixed_Traffic Mobility_concepts Mobility_as_a_service
- transition_period Strategic_control Outcomes
- Operation Mobility_management Ensure_staraarditation
- Infrastructure_investment Legalaspects Safety
- road_capacitytransition role-of-city wider-impact
- Who_is_in_control cost public_awareness
- Investment_vs_penetration interoperability use_of_standards
- car_resticted_areas firewalls urban_corridors
- Userexperience
- Ensure_Standarisation Safety

Did we miss anything?

- The daily urban system is much bigger than city centres: include the semi-urban and rural areas also to look at the whole traffic system.
- Of course, nobody is perfect, but scope of MAVEN is already a lot of work :-)
- What are the other actors to be involved in this path?
- Traffic authorities need to decide if they want to OWN the strategic outcomes on their road networks, or whether 3rd parties will do so!
- Is there a portal for us to see the test cases and results from questions and workshops.
- clear outlook how we move in the project and after the project from research towards impact assessment towards deployment
- Safety for pedestrians in a mixed traffic scenario?
- How to deal with the future Autonomous Congestion?
- Could vehicles communicate with "non-MAVEN" CAVs?
- Who will run C-ITS services in the future? the city or a third party service provider (linked to role of traffic manager in future).
- The use of motorcycles and other types of non automated vehicles that use the road
- Don't we need the regions? The provinces?

How do you rate this workshop?

- 8,9