

CAMERA

Coordination and support Action for Mobility in Europe:
Research and Assessment

CAMERA's food for thought: Takeaways

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Final recommendations

List of 7 KEY RECOMMENDATIONS based on:

- Insights and evidence extracted from data
- Expert feedback (workshops etc.)
- High-level strategic documents

What we would like you to do?

- **Vote on the recommendation you think is the most important as a focus for future research**
- **Is there a recommendation you think is missing?**



CAMERA

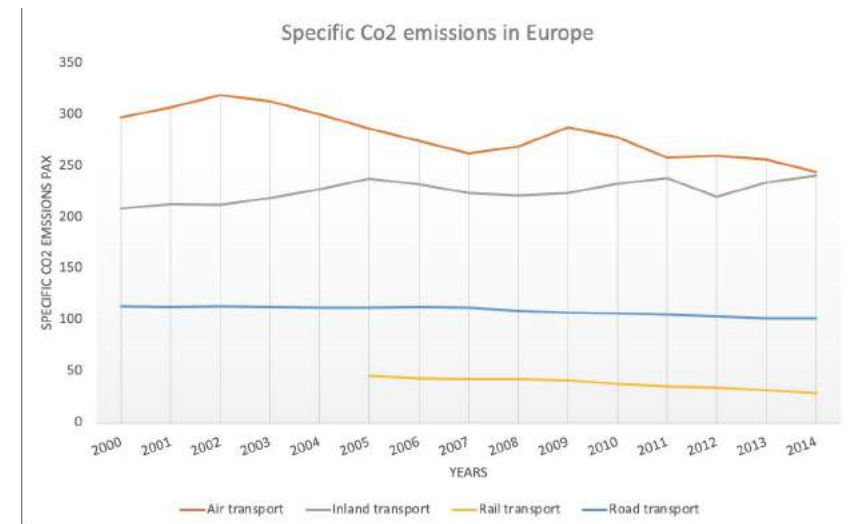
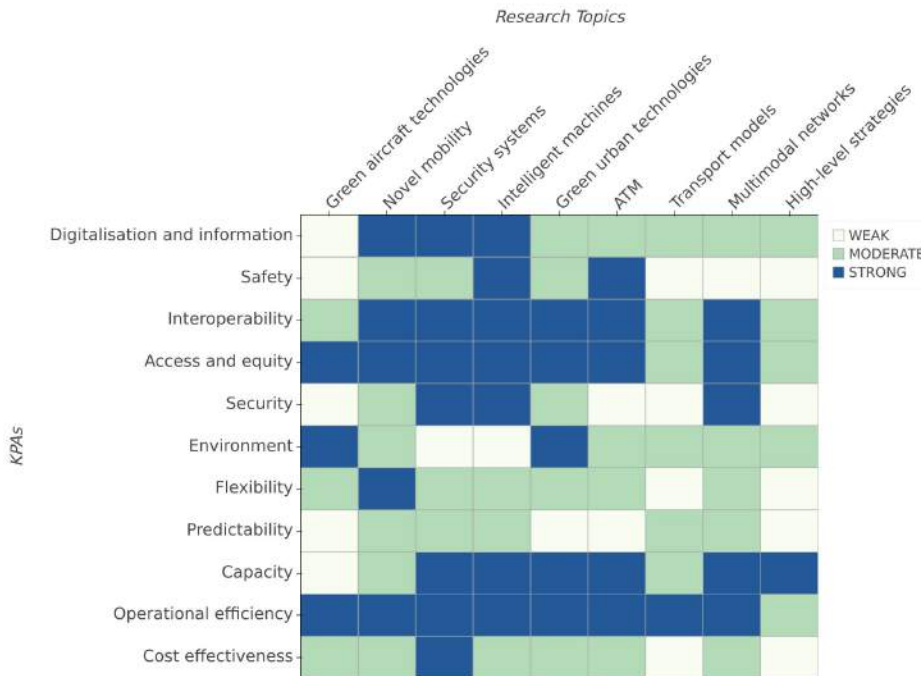


#1

Commitment to environment.



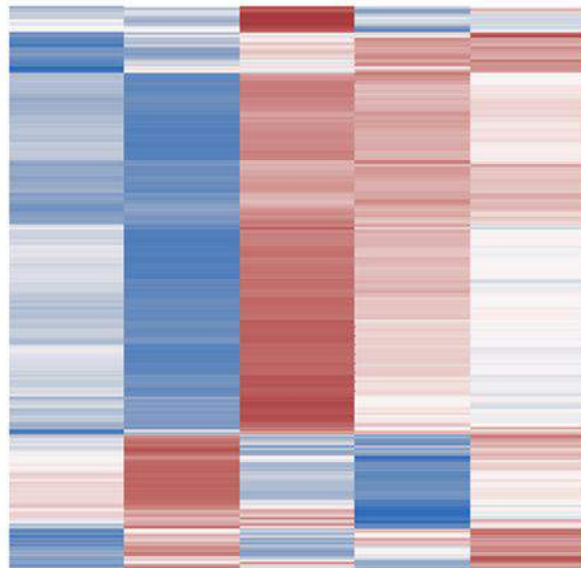
- European Green Deal objective: reduce 90% of greenhouse gas emissions from transport & EU climate-neutral economy by 2050
- environmentally-friendly and sustainable mobility solutions as key factors in the future research landscape
- mobility projects to incorporate the environmental aspect into their research, irrespective of the main research goals - so far mostly dealt with environmental challenges only if they were in fact environmentally-focused research initiatives



Creating resilient mobility, now more than ever.



- Covid-19 pandemic has disrupted the global transport system to an extent that challenges whether sufficient focus is still maintained on resilience
 - Noticed shift away from resilience after early FP7 projects
 - A more coordinated approach is required to tackle disruptive events that affect mobility, **developed and prepared in advance** to overcome future crises



Layer 2: Improving overall performance

Layer 1: Creating a personalised & seamless mobility system

Layer 5: Designing & implementing an integrated, intermodal transport system

Layer 4: Providing safe & efficient ATM

Layer 3: Improving resilience & re-configuration

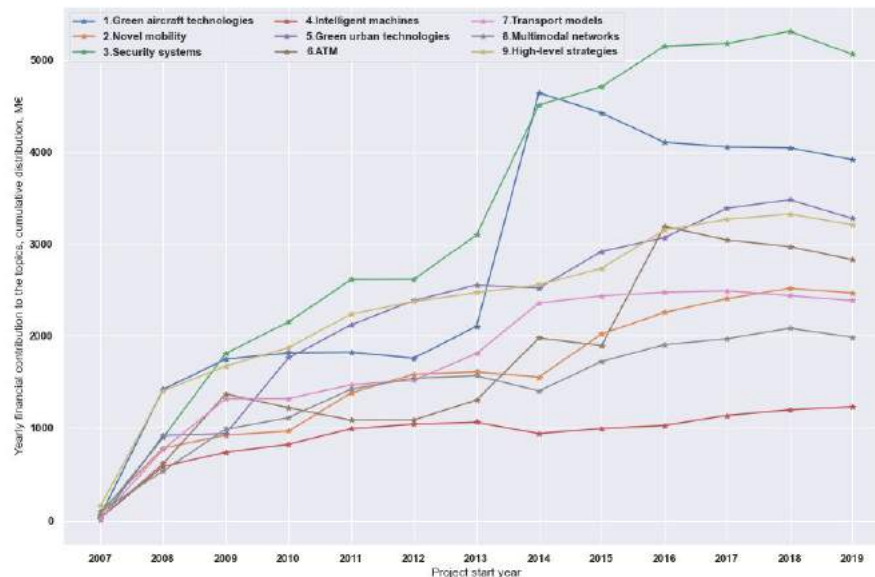


Scenarios	Traffic Level	Parameters modified D2K/K2D	Parameters modified K2G	Parameters modified G2K
Scenario 1	12% of 2019	Airport access time via public/private transport (↓)	Immigration, buffer time (↑)	Immigration time (↑)
Scenario 2	45% of 2019	Same as Scenario 1		
Scenario 3	95% of 2019	Same as 2019		



Working towards SMART(er) mobility.

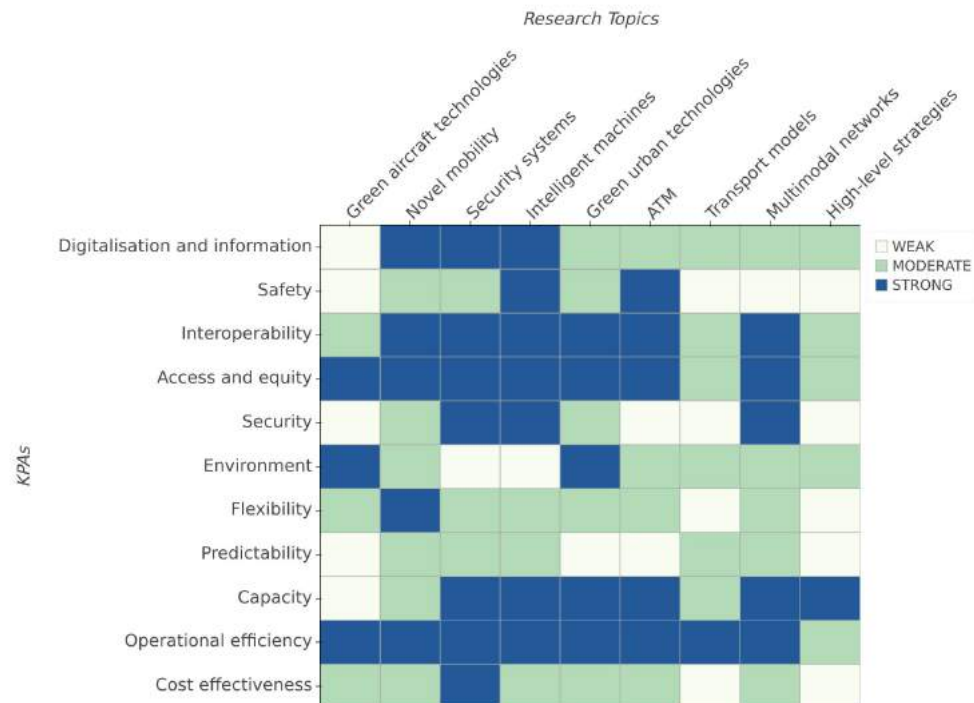
- Goal: more efficient transport system with satisfied and informed passengers
- Artificial intelligence and automation still represent under-researched areas in transport and mobility when compared to some other industries
- Significant increase of investment into automation and AI research in mobility projects needed





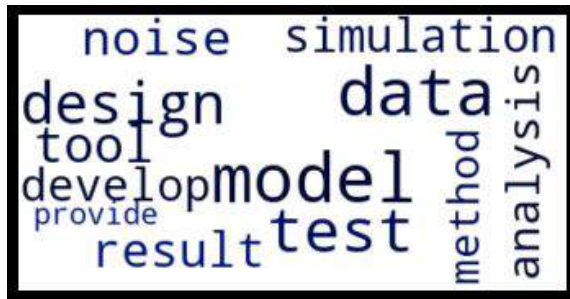
Predictability and flexibility: the future of travel.

- As a result of the Covid-19 pandemic, passengers are less willing to accept the same level of uncertainty
- Applies to other stakeholders in the mobility system such as well (airlines, airports, ANSPs, etc.)
- Provide everyone in the door-to-door travel chain with more information to make reliable plans (i.e. improving predictability) + offer concrete solutions when plans change (i.e. improving flexibility)





Making the digital transformation happen.

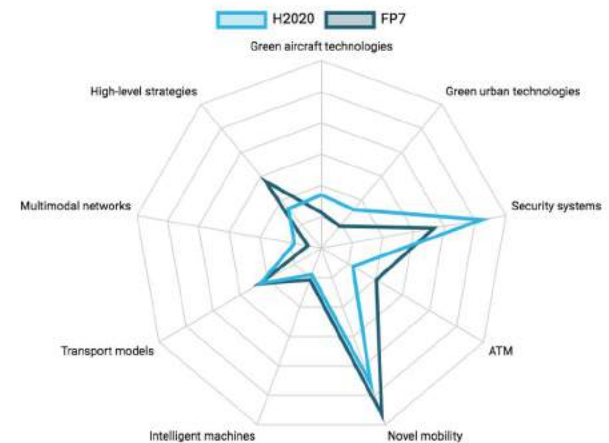


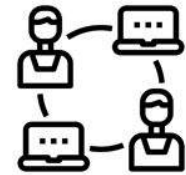
- Provide passengers with a more secure, 'comfortable' and trusted transport system, increasing their value of in-vehicle time
- Interdisciplinary topic: user friendliness, tech development & 'digital green' transition towards a more sustainable transport system
- Essential to develop methods for tracking and reacting to all aspects relevant to the digitalisation of mobility, such as data sharing policies, emerging devices and infrastructure requirements

▲ KPA Ranking



● Topic Distribution

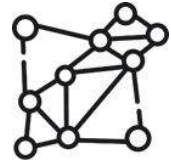




Changing how we think about data: sharing and leveraging.

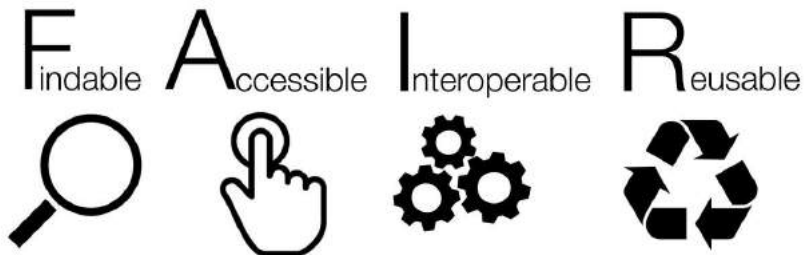
- Work harder on removing obstacles for leveraging the use and sharing of data - research focused on mobility data? Infrastructure, open data platforms, regulatory framework...
- Open Research Data Pilot: positive step towards a more data-oriented research community → how to incite more research initiatives to join & to overcome prevalent data licencing and purchasing issues
- Strong need for data sharing between providers in the industry to truly offer seamless, door-to-door, and passenger-focused mobility in Europe





Improving CORDIS: data availability, consistency and searchability.

- For CAMERA data-driven analyses, relying on publicly available data, lack of easy and seamless access to project data such as deliverables, social media activities or dissemination materials could be improved
- Examples:
 - ISBN links to journal papers,
 - robust links to project websites,
 - openly shared publications, etc.
- Dynamically maintained set of keywords to describe and index the projects, and/or indication of which of the eleven ICAO KPAs were investigated





Recommendations: overview

1. Commitment to environment
2. Creating resilient mobility, now more than ever
3. Working towards SMART(er) mobility
4. Predictability and flexibility: the future of travel
5. Making the digital transformation happen
6. Changing how we think about data: sharing and leveraging
7. Improving CORDIS: data availability, consistency and searchability