ICLEI & Urban Mobility: Challenging the Future

Reggie Tricker, Senior Urban Mobility Officer
G20 Transport Task Group, Tokyo, October 2019
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1. WHO ARE WE?

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   - Electric and shared mobility
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   - Active travel
   - Governance, planning and coordination
Energy Efficiency
Sustainable Infrastructure
Quality of Life
ICLEI AROUND THE WORLD

Serving a network from 22 locations around the world
What are the foci of ICLEI’s operations?
What are our Mobility Objectives?

Shared Mobility Principles for Liveable Cities

SDG 11.2.: By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.
How do we deliver our Shared Principles?

- Pilots and experiments
- Knowledge Sharing
- Research
What are Current Challenges?

Planning in times of change

• Electrification
• Automation
• Connected and Intelligent Transport
• Data and Personalisation
• New Business Models
• Shared Mobility
• Active and Micro Mobility
• On-Demand Customer Mindsets
• Place-making

(CIVITAS Expert Group)

+ Population: growth, dynamics, structure and expectations

...Times of change?

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ICLEI Research Projects and Initiatives

Electric and shared mobility
Logistics and construction
Active travel
Governance, planning and coordination
ICLEI Research Projects and Initiatives

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Electric and Shared Mobility

- Green energy and electric mobility - Ongoing
- Shared mobility for car clubs/sharing - Ongoing
- Electric rickshaws in India - 2019
## Electric and Shared Mobility

### National
- Strong government incentives
- National programmes
- R&D funding

### Industrial
- Car maker incentives
- Strong cooperation
- Strong market development

### Local
- Access to bus/HOV lanes
- Differentiated pricing
- Reduced fee/reserved parking
- Strong urban mobility planning
- Tax exemptions

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**GreenCharge • sustainable business models**

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**Electric mobility in Sustainable Urban Mobility Planning (SUMP)**

New energy for mobility: the GreenCharge approach

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Funded through European Commission’s Horizon 2020 programme
Electric and Shared Mobility

Power to the people

Getting financial incentives right

Funded through European Commission’s Horizon 2020 programme
ICLEI Research Projects and Initiatives

- Electric and shared mobility
- **Logistics and construction**
- Active travel
- Governance, planning and coordination
Logistics and Construction

- EC Big Buyers Initiative for LEVs
  - Ongoing (2019-2020)

- Procuring Zero Emissions Transport (ZET)
  - Completed (2016-2019)

- EcoLogistics
  - Ongoing (2017-2021)
Logistics and Construction

BuyZET and Big Buyers • pathways to green procurement

1. Understand the procurement process
2. Prioritise areas for focus
3. Market dialogue
4. Forming buyers’ groups
5. Create innovative procurement plans

Example areas:

Non-road mobile machinery

Electric heavy duty vehicles (waste trucks, street cleaning, heavy delivery)
Logistics and Construction

Focus on partnership and contract management

Communicate a clear future strategy

Speak to and challenge the market, and pilot procurement

Funded through European Commission’s Horizon 2020 programme
"a critical mass of public authorities implementing sustainable procurement [is needed] to achieve real progress in greening the market in Europe"

Wolfgang Teubner, Regional Director of ICLEI Europe

“public procurement can play a strong role in clean construction …. [cities] are leaders of this movement, and Mayors and Ministers need to acknowledge their exemplary role in pushing the market"

Marzena Rogalaska, Director of European Commission DG Grow
ICLEI Research Projects and Initiatives

Electric and shared mobility
Logistics and construction
Active travel
Governance, planning and coordination
Active Travel

Cycling
- Ongoing

Physical exercise and health
- Completed 2017

Annual campaigns and activities
- Mobility Week/Month Europe, Africa, Korea
Active Travel

Handshake • *success inspires other cities*

1. Invest in **cycling infrastructure** (not only car) - UN’s 20%

2. Including **state-owned** cycling infrastructure

3. State-level **quality design guidelines** and standards

4. Can **capital city success** have a big impact to the whole country and the State?

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ICLEI Research Projects and Initiatives

Electric and shared mobility
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Active travel
**Governance, planning and coordination**
Governance, Planning and Coordination

Sustainable Urban Mobility Planning (SUMP)
- SUMP-s-Up: Ongoing; SUMP-PLUS: Commenced

Social engagement in energy efficiency
- Ongoing

Sustainability Transition Pathways in Industrial Cities - Ongoing
Overarching ICLEI Programmes

1. EcoMobility Alliance
2. Cities Shift
3. Transformative Urban Mobility Initiative
Views from mobility practitioners

What are the main transport related challenges your city is facing?
Views from mobility practitioners

How can new mobility services help face these challenges?
Views from mobility practitioners

What challenges or problems have arisen since following the introduction of these new mobility solutions?
What are the Right Levers for Government Engagement?

- Funding
- Standards
- Networks

Key Metrics:
- Effort
- Cost
- Reward
Considerations

What can we learn from our projects

A broad focus across disciplines, interests and objectives is important
Technology is only the answer to the right question
Listen to stakeholders – balance individuals and markets
Conduct experiments
Use transition management techniques to gain foresight into the future
Translating across languages – professionally and nationally
Networks to maximise benefits and awareness of “obvious” solutions and help engage/drive markets
Thank you

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ICLEI Europe Mobility projects
iclei-europe.org/topics/mobility-transport/

ICLEI in the Urban Era

EcoMobility Alliance ecoMobility.org

EU/Horizon 2020 CIVITAS projects
civitas.eu/projects/research
cordis.europa.eu/projects/en

Shared Mobility Principles
sharedmobilityprinciples.org/

Big Buyers Initiative news
sustainable-procurement.org
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