Light Electric Vehicles: Asian and North American experiences

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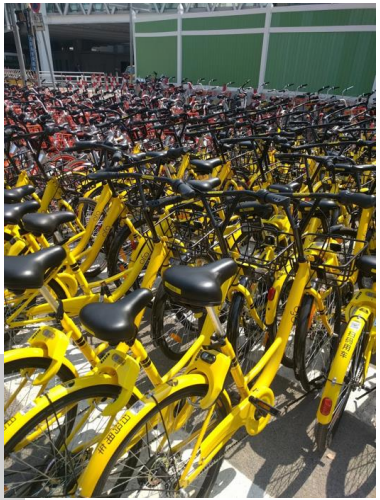
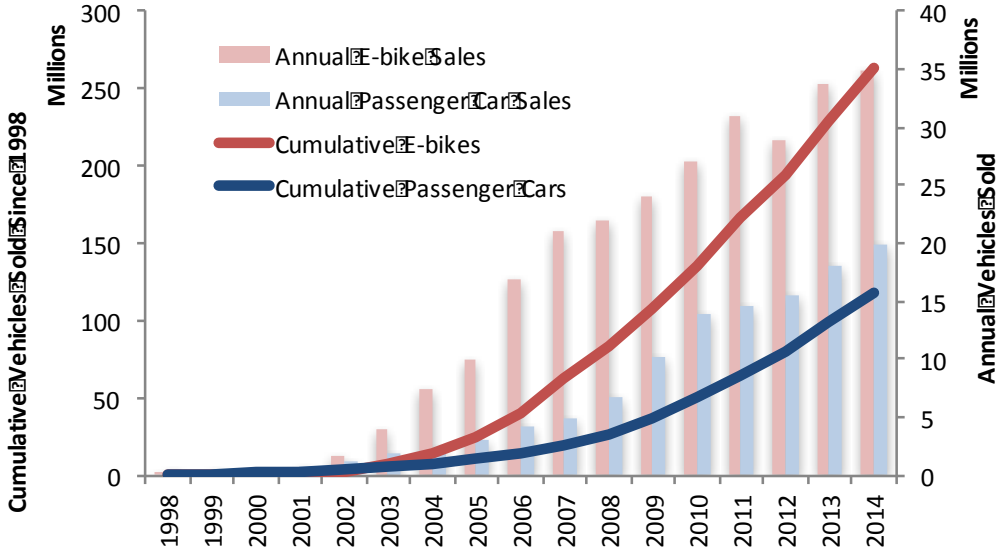
Africa Clean Mobility Week

Can disruptive tech shift motorization curve?



China e-bike market

- Takeaway 1: e-bikes are the fastest and largest growth of alt-fuel in the history of motorization.



China e-bike technology

- Takeaway 2: e-bikes are the most energy (and CO_2) efficient motorized mode that exists

10x

4x

2x

EV's in China

China's technology adoption driven by:

- Motorcycle ban
- Ubiquitous (compatible) bike infrastructure (and parking/charging)
- Indigenous industry and informal repair infrastructure

Challenges

- Safety
- Battery End-of-Life
- Congestion and road conflict

Shared Mobility

Shared mobility as externality moderator

- Assure vehicle safety quality (maintenance and performance)
- End-of-life environmental management
- Provide coordinated policy influence
- Can overcome capital investment for future fuel saving

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