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Accelerating Mobility Innovation with Regulatory Sandboxing & Knowledge Capture

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Reimagined Mobility

Transportation Policy that Puts People First

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A Vision for the Future

- A future of mobility that is connected, autonomous, shared, and electric
- A multimodal mobility system that prioritizes people, the planet, technology, security, individual choice, economic productivity, human flourishing, and global competitiveness.
- Mobility is an opportunity to approach the green and digital transitions together
- Policy, business and consumer acceptance challenges need to be overcome to achieve this vision.

Mandate regulatory sandboxing for new mobility applications

PROBLEM

- ❑ Regulatory sandboxing and experimentation policies are not compulsory.
- ❑ There are no standardized reporting and knowledge capture mechanisms in place.

SOLUTION

- ✓ The EU mandates regulatory sandboxing & standardized reporting specifically for CASE mobility applications.
- ✓ A Regulatory Sandbox Act, or include in other mobility-specific regulations or directives



What is sandboxing?

- ‘Sandboxing’ means regulation that directly permits experimentation and flexibility.
- Sandboxing lets regulators to partner with innovators to mitigate the risks of novel CASE technologies, to develop data-driven, evidence-based policies.
- Usually achieved through an ‘experimentation clause’ in law that lets regulators exercise discretion.



Germany



- Federal Ministry for Economic Affairs and Climate Action is responsible for sandbox strategy, Coordinating Office for Regulatory Sandboxes works with relevant ministries.
- Experimentation clauses in Passenger Transportation Act have allowed exemptions from its provisions on case-by-case basis.
- Proliferation of CCAM tests for passenger and goods applications – building the groundwork for scaled deployment.
- Key challenges – no structured knowledge transfer process; often unclear what comes after the pilot phase.

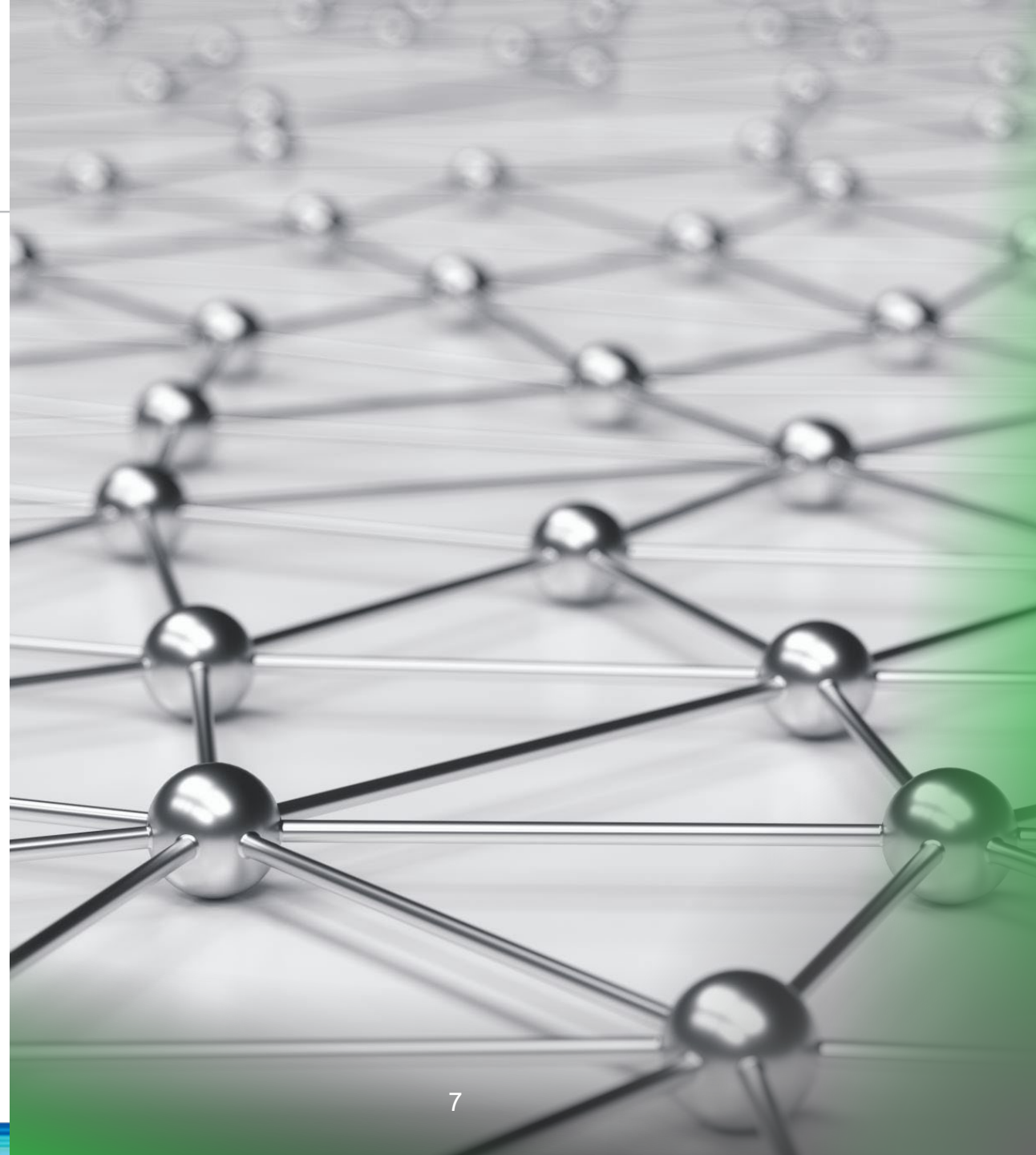
United Arab Emirates



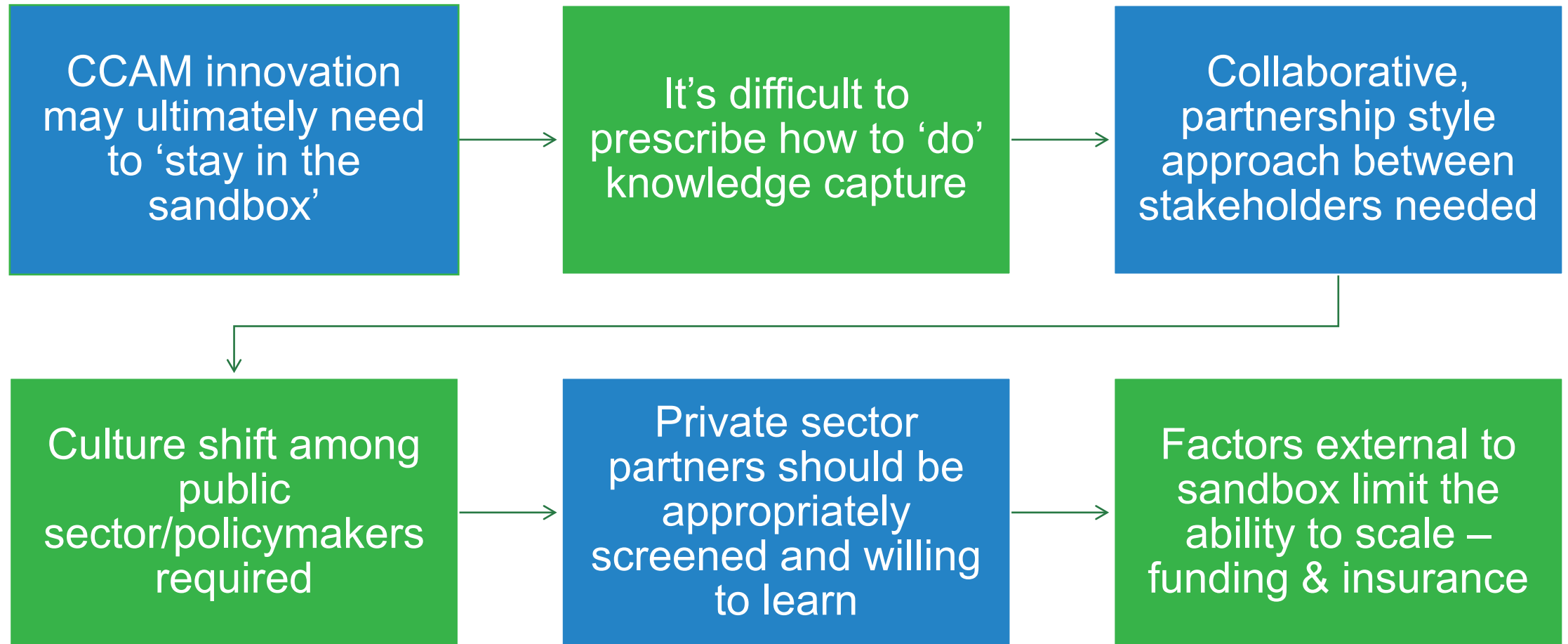
- Federal Law on Futuristic Projects established a special centralized agency to license and monitor projects (Regulations Lab).
- Provides accelerated pipeline to experimental testing and deployment of mobility innovations; conditional permitting from RegLab can be used to unlock necessary investment funding.
- Key challenges— difference in governance styles and policymaker risk tolerance across emirates; ensuring proper coordination between existing activities at federal and emirate level.

Global Sandboxing Case Studies

- Austria
- Japan
- Korea
- Singapore
- Spain
- Switzerland
- United Kingdom



Key Findings of ReMo's Global Research



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Thank you! 😊

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