



CHARIN

The way to a global standard

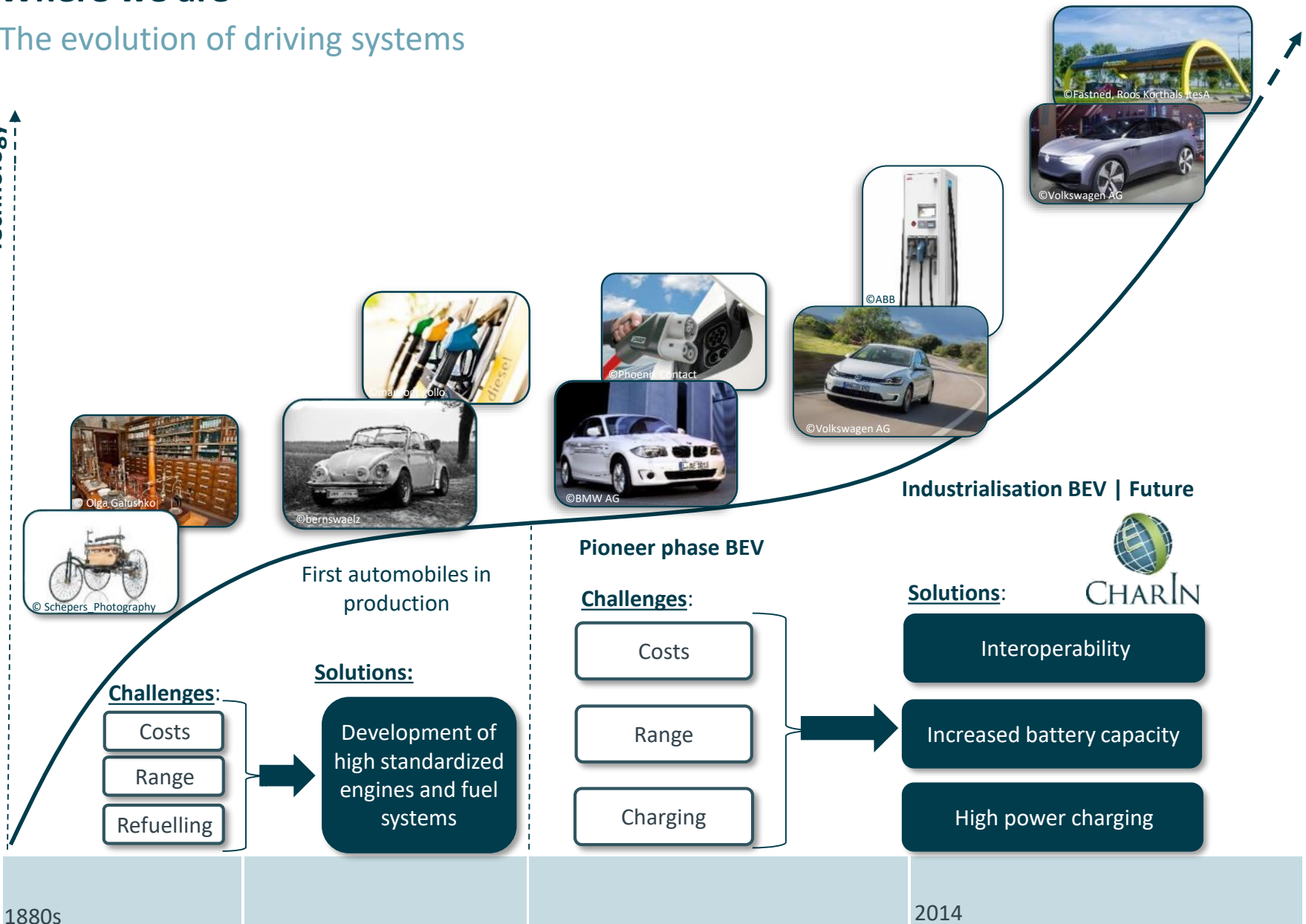
In medias res: Partnersearch HORIZON 2020

Dr. Isabell Schwenkert, CharIN e. V.

Where we are

The evolution of driving systems

Technology ↑



Summary Vision

Challenges from a customers view – CharIN initiative solutions



Customers view | barriers

Simplicity

Safety

Cost

Reliability & Quality

Power & Time

Interoperability



CharIN initiative solution

Single System

One standard for all use cases

Long term invest protection

450 kW+

AC / DC

Up-/downward compatible

Customer perspective

The Combined Charging System - A vision becomes reality



Administrative topic

CharIN's role in standardization and regulation as a big picture



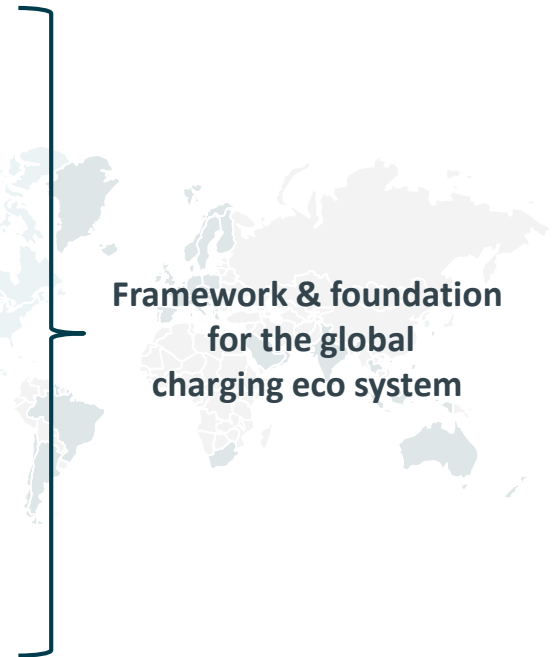
- Worldwide regulations & laws
- National & regional aspects



- Global Standardization
- common input of CharIN members



- Requirement definition & common goal
- Opinion formation & common understanding
- Guidance & consolidated global communication



CharIN e.V.

Accessible to you at any time right round the world
161 members worldwide



CharIN North America Spokesperson



CharIN Head Quarter



Coordination Office Asia & China



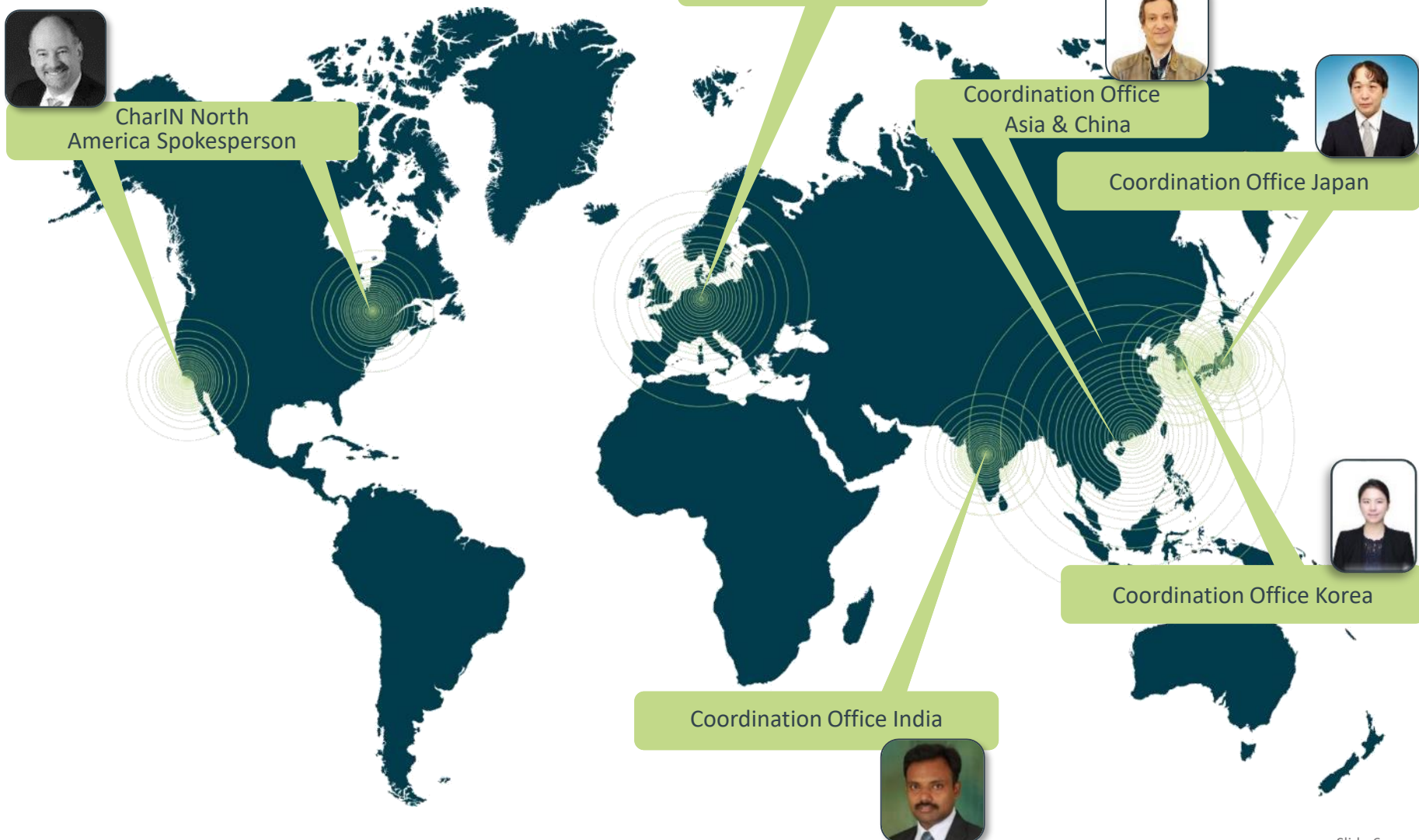
Coordination Office Japan



Coordination Office Korea



Coordination Office India



Why do we want to participate in Horizon2020 projects?

- Engage with stakeholders that we otherwise might not reach (SMEs, local authorities)
- Learn about the latest developments in charging technology
- Learn about requirements from local authorities/end users/industrial user/.... with the aim to advance and improve the standards
- Facilitate the roll-out of charging infrastructure which is pivotal to rapid market uptake

What do we bring to the table?

- 161 international members, all major OEMs
- High visibility in the market, also outside of Europe (Asia, United States)
- Focus groups staffed with experts from major industry players
- Contacts to national authorities outside of Europe (e. g., India, US)
- „Golden Test Device“ specification and test cases for conformance testing
- Next generation charging technologies such as automated conductive charging and wireless charging

Which calls are we interested in?

- LC-GV-03-2019: Building a low-carbon, climate resilient future: Green Vehicles
- LC-GV-05-2019: InCo flagship on “Urban mobility and sustainable electrification in large urban areas in developing and emerging economies
- Calls upcoming in 2020 in this field – e.g. LC-GV-08-2020: Next generation electrified vehicles for urban use

What could be our role in the project ?

- CharIN as a dissemination partner: reaching the EV community through our 161 members and >1.000 followers in our social media channels; publication and dissemination of position papers
- CharIN as an expert association and liaison to standardization organizations
- Guidance on interoperability/conformance testing of charging solutions
- CharIN as an association bundles stakeholder interests for future mobility solutions
- CharIN as an internationally active organization with coordination offices also outside of Europe (e.g., for demonstration sites, global harmonization of requirements for EV charging, assessment of regional needs and requirements, market intelligence outside of Europe)



Thank you for your
kind attention!

Any questions?


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