

DE.CA.rbonize Transportation: **The German-Californian Conference for Zero Emission Transportation**

The decarbonization of road transportation requires the replacement of fossil fuels with electricity, hydrogen, and biofuels, as well as increased vehicle efficiency and reduced vehicle use. In this conference we will address all surface transportation, including light and heavy duty vehicles. We will share lessons learned in Germany and California, and explore strategies for the future, with a focus on shared issues and concerns.

DE.CA.rbonize Transportation is jointly organized and hosted by the Institute of Transportation Studies, University of California, Davis, and Agora Verkehrswende.

Date: 30-31 January 2018

Location: European School of Management and Technology (ESMT)
Auditorium Maximum
Schlossplatz 1
10178 Berlin, Germany

As from 24 January 2018

Day 1 – January 30th, 2018

12:30 – 13:30	Lunch Buffet and Get Together
13:30 – 14:00	Welcome and Introduction to the Conference <i>Christian Hochfeld, Executive Director, Agora Verkehrswende</i>
<p>Session I: Aiming for Ambition – Strategies for Decarbonizing the Transportation Sector</p> <p>This panel addresses possible pathways for the decarbonization of the transportation sector and their integration into an overall climate protection strategy.</p> <p>Panelists emphasize political, economic, technological, and societal challenges and frame strategies for addressing these challenges.</p>	
14:00 – 14:30	Keynote Speech I <i>Daniel Sperling, Professor and Founding Director, Institute of Transportation Studies, University of California, Davis (ITS-Davis)</i>
14:30 – 15:45	<p>Panel Discussion I</p> <p>Moderator: <i>Christian Hochfeld, Executive Director, Agora Verkehrswende</i></p> <ul style="list-style-type: none"> - <i>Sandra Berg, Vice Chair, California Air Resources Board (CARB)</i> - <i>Robert Bienenfeld, Assistant Vice President, Environment & Energy Strategy, American Honda Motor Co., Inc.</i> - <i>Alexandre Paquot, Head of Unit 'Road Transport', DG Climate Action, European Commission</i> - <i>Karsten Sach, Director General "Climate Policy, European and International Policy", Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)</i> - <i>Thomas Becker, Vice President of Government and External Affairs, BMW Group</i>
15:45 – 16:15	Coffee Break

Session II: Transforming Urban Transportation for Livable Cities

Less vehicle usage is key to significantly reducing GHG emissions, local air pollution, traffic congestion and road infrastructure costs as well as achieving equitable accessibility and overall urban sustainability. Strategies to reduce vehicle usage (while increasing accessibility) involve land use, pricing of vehicle use, enhanced public transportation, and new mobility services that result in more intensive use of vehicles (including first and last mile access to conventional transit).

The panelists share their perspectives on the transformation of urban transportation, and ways to increase related environmental, economic and societal benefits.

16:15 – 16:45	<p>Keynote Speech II</p> <p><i>Robin Chase, Co-Founder of Zipcar, Veniam, Open Transport Partnership</i></p>
16:45 – 18:00	<p>Panel Discussion II</p> <p>Moderator: <i>Holger Dalkmann, Senior Advisor, Agora Verkehrswende</i></p> <ul style="list-style-type: none"> - <i>Robin Chase, Co-Founder of Zipcar, Veniam, Open Transport Partnership</i> - <i>Lewis M. Fulton, Co-Director STEPS (Sustainable Transportation Energy Pathways), ITS-Davis</i> - <i>Christoph Weigler, General Manager Germany, Uber</i> - <i>Hilmar von Lojewski, Councillor for Urban Development Building, Housing and Traffic, Association of German Cities (DST)</i> - <i>Burkhard Stork, Director, German Cyclist's Association (ADFC)</i>
18:00 – 18:15	<p>Closing Remarks</p> <p><i>Christian Hochfeld, Executive Director, Agora Verkehrswende</i></p>
18:15 – 21:00	<p>Dinner Reception</p>

Day 2 – January 31st, 2018

9:00 – 9:05	Introduction to Day 2 <i>Christian Hochfeld, Executive Director, Agora Verkehrswende</i>
<p>Session III: Shifting Gears for the Energy Transition in Transportation – Mainstreaming Electro-Mobility</p> <p>Perhaps the most important single strategy for achieving dramatic reductions in GHG emissions from transportation is electrification of vehicles, especially cars. But doing so requires continued cost reductions with batteries and fuel cells, and more willingness of customers to buy those vehicles.</p> <p>Existing regulations and incentives, including fuel efficiency standards, tax benefits and subsidies, and California’s zero emission vehicle mandate are important, but fall short in gaining widespread electrification in passenger market. The panelists elaborate on the next level of regulations and incentives needed to accelerate the transition to zero emission vehicles.</p>	
9:05 – 9:30	Keynote Speech III <i>Sandra Berg, Vice Chair, CARB</i>
9:30 – 10:45	<p>Panel Discussion III</p> <p>Moderator: <i>Christian Hochfeld, Executive Director, Agora Verkehrswende</i></p> <ul style="list-style-type: none"> - <i>Sandra Berg, Vice Chair, CARB</i> - <i>Drew Kodjak, Executive Director, International Council on Clean Transportation (ICCT)</i> - <i>Birgit Hofmann, Head of Division ‘Environmental Innovation, Electric Mobility’, German Ministry for Economic Affairs and Energy (BMWi)</i> - <i>Ulrich Eichhorn, Head of R&D, Volkswagen Group (tbc)</i>
10:45 – 11:15	Coffee Break

Session IV: Technology Roadmap for Zero Emission Heavy Duty Vehicles

The challenge of decarbonizing heavy duty vehicles and goods movement is more difficult than for passenger cars. Batteries are unsuited to long haul trucks. They will play some role with trucks in some applications, but other technologies will probably be needed, including hydrogen fuel cells, catenary power, and low-carbon biofuels. Strategies to reduce truck use are also needed. In this session the panelists share their view on different technology options for zero emission and low-carbon heavy duty vehicles.

11:15 – 11:45	<p>Keynote Speech IV</p> <p><i>Drew Kodjak, Executive Director, ICCT</i></p>
11:45 – 13:00	<p>Panel Discussion IV</p> <p>Moderator: <i>Lewis M. Fulton, Co-Director STEPS, ITS-Davis</i></p> <ul style="list-style-type: none"> - <i>Drew Kodjak, Executive Director, ICCT</i> - <i>Jack Kitowski, Division Chief, Mobile Source Control Division, CARB</i> - <i>Achim Kampker, Head of Electromobility, Deutsche Post DHL</i> - <i>Martin Schmied, Head of Department Transport, Noise and Spatial Development, German Environment Agency (UBA)</i> - <i>Hasso Georg Grünjes, Head of eHighway, Siemens AG</i>
13:00 – 14:00	<p>Lunch Break</p>

Session V: Breaking Down the Silos – Coupling Energy and Transportation

Consumers (and fleets) will not purchase battery or hydrogen vehicles unless they have easy access to charging and fueling. On top electric vehicles are only as clean as their source of energy.

The panel discussion revolves around the nexus of energy and transportation, including new challenges, which come along with the decarbonization of transportation, as well as potential benefits for the energy sector.

14:00 – 14:30	<p>Keynote Speech V</p> <p><i>Janea A. Scott, Commissioner, California Energy Commission</i></p>
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14:30 – 15:45	<p>Panel Discussion V</p> <p>Moderator: <i>Patrick Graichen, Executive Director, Agora Energiewende</i></p> <ul style="list-style-type: none"> - <i>Janea A. Scott, Commissioner, California Energy Commission</i> - <i>Roland Hwang, Director, Energy & Transportation Program, Natural Resources Defense Council (NRDC)</i> - <i>Roy M. Kuga, Vice President, Grid Integration & Innovation, Pacific Gas and Electric Company (PG&E)</i> - <i>Rainer Baake, State Secretary, Federal Ministry for Economic Affairs and Energy (BMWi)</i> - <i>Vera Brenzel, Head of Political Affairs, E.ON SE</i>
15:45 – 16:15	Coffee Break
<p>Session VI: Joining Forces – Potentials for German-Californian Cooperation</p> <p>The closing session aims at concluding the lessons learned for the further cooperation between California and Germany in the field of zero emission transportation. The panelists reflect on the two-days event and discuss strategies for shared issues and concerns, but also focus on how to join forces and intensify the collaboration in the transportation sector.</p>	
16:15 – 17:30	<p>Panel Discussion VI</p> <p>Moderator: <i>Christian Hochfeld, Executive Director, Agora Verkehrswende</i></p> <ul style="list-style-type: none"> - <i>Daniel Sperling, Professor and Founding Director, ITS-Davis</i> - <i>Anthony Eggert, Program Director, Oil, ClimateWorks Foundation</i> - <i>Jochen Flasbarth, State Secretary, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)</i> - <i>Thorsten Herdan, Head of Directorate-General ,Energy Policy – Heating and Efficiency’, Federal Ministry for Economic Affairs and Energy (BMWi)</i>