

Title of the Official Side Event	RE Potential, Challenges and Opportunities - to meet targets for Energy Security, Access to Energy, Economic Development and Climate Change
Side Event Theme / Description	<p>Renewable energy in global energy scenarios: The potential of RE in meeting the global challenges on energy and climate change is huge. A broad range of scenario studies highlights the vast deployment opportunities of RE in all economic sectors. In this side event, RETD presents the role of RE in global energy scenarios, with special focus on the biggest challenges related to the global energy supply and demand, bioenergy and the transport sector.</p> <p>Bioenergy: the good, the bad, and the better: The sustainable use of biomass for energy is an important issue in the international debate on energy and climate. There is a variety of options for better use of biomass for energy both on the supply side of biomass, and for its conversion – from electricity and heat generation to providing transport fuels, and biochemicals or biomaterials.</p> <p>Opportunities for imminent synergies in RE-uptake through co-evolution of the transport and electricity sector: The increasing energy use in the transport sector is adding to the dependency on oil imports. In the reference scenario of the IEA World Energy Outlook the transport sector is the largest contributor to oil-demand growth in non-OECD-countries. Despite continuing improvements of the average vehicle fuel efficiency, the increase in vehicles numbers and kilometres driven, in particular in upcoming economies, is expected to keep pushing up demand for oil in the transport sector.</p> <p>Next to using biofuels, renewable electricity can form a winning combination with electric road transport. The co-evolution of renewable electricity system and transport systems can be a self-enforcing mechanism. This topic – including the different regional challenges - will be addressed at the side event.</p> <p>Provisional agenda:</p> <ul style="list-style-type: none"> • Opening • Global energy scenarios: the role of renewable energy • Sustainable use of biomass for energy • The co-evolution of renewable electricity and electric road transport • Discussion • Closing
Potential speakers and panelists	<p>Hans Jørgen Koch, Chairman of the IEA Renewable Energy Technology Deployment (RETD) Implementing Agreement, and Deputy State Secretary, Ministry of Energy and Climate, Danish Energy Agency (Denmark)</p> <p>Uwe Fritsche, Head Energy and Climate Division, Öko-Institut (Germany)</p> <p>Ryan Katofsky, Navigant (US)</p> <p>Shanta Chatterji, Public Transportation in Clean Air Islands, Mumbai, India</p> <p>Hans Erik Kristoffersen, Head of Executive Secretariat, Energinet DK (Denmark)</p> <p>Representative from German Car industry</p>