

Examples of Leveraging Process, Product and Commercial Innovation to Address Global Challenges



- Novel crop protection solutions and improved crop varieties
- New solutions addressing urgent medical needs and improving health of humans and animals
- New applications for high-tech materials and optimization of processes
- Polyether synthesis with IMPACT catalysts
- Hydrochloric acid electrolysis for chlorine production
- Gas phase Phosgenation for TDI production
- **Bayer Climate Check Tool**
- Others

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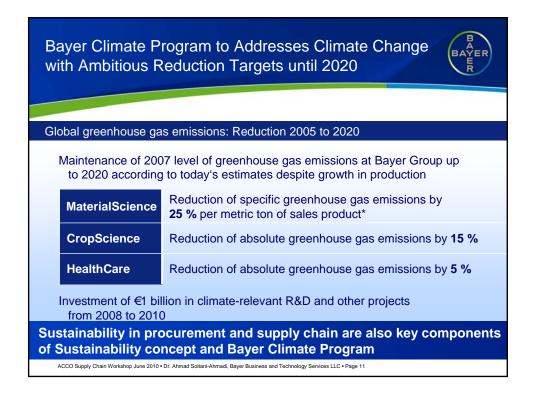
The Bayer Climate Check offers a climate-relevant decisionmaking basis for the design of production processes to complement the usual profitability calculations

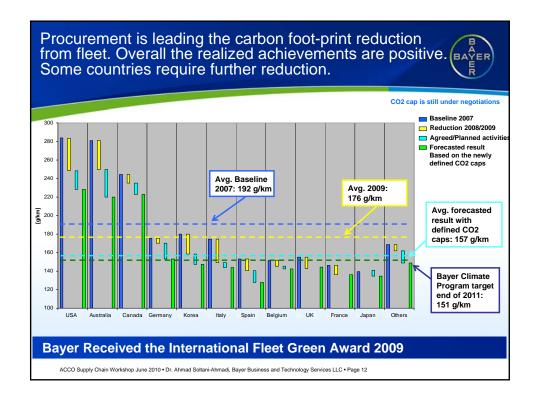


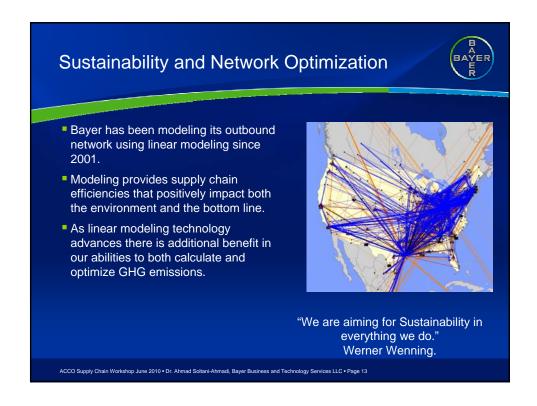
- Bayer Climate Check consists of two components
 - **Climate Footprint**
 - A unique key performance indicator to assess climate impact of Bayer production processes
 - Relevant for existing units, current projects and future processes
 - Climate Impact Analysis

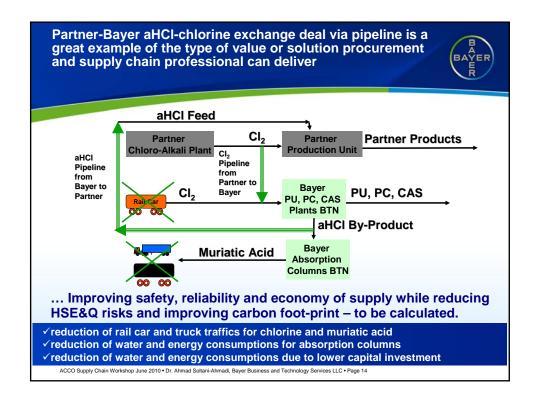
 - Systematic analysis of production and supporting processes
 Generates a ranking of measures for all relevant processes/plants to achieve
 CO₂e reduction potential identified by Climate Footprint
- Review of 100 Bayer production sites and introduction of specific improvement measures

Bayer Technology Services will also offer the Bayer Climate Check to other customers









Prom sustainability perspective what is the best-in-class or optimal supply chain organization for a multi-national? How to engage executives with procurement and supply chain which are key levers for generating sustainable values? How to align organization structure in multi-national to ensure congruent organization and seamless execution especially with regards to procurement, logistic, facility and product development? How to develop NPV-based business case and risk analysis for sustainability initiative by properly monetizing collateral benefits of a project such as reputation, compliance, tax, etc? How to develop talent so as to enable business solution offering? Others? ACCO Supply Chain Workshop June 2010 - Dr. Ahmad Soltani-Ahmad, Bayer Business and Technology Services LLC - Page 15

