

## Introduction

Climate change demands a rethink and makes it necessary to realign our actions in almost all areas, especially in those areas where large amounts of resources are consumed. The building and construction industry is the economic sector which consumes the most resources worldwide. It is estimated that the construction and use of buildings account for about 40 percent of Germany's carbon dioxide emissions. By building sustainably, we will make better use of existing potential and thus save resources and energy. Our aim is to improve energy efficiency and to promote the use of renewable energies by means of innovative solutions in the building sector. To tackle climate change, we need to build sustainably!

### Prof. Dr. Klaus Töpfer

Patron of Team Germany in the 2009 Solar Decathlon

Deputy Chairman of the German Council for Sustainable Development

Founding director of the Institute for Advanced Sustainability Studies

Former Executive Director of the United Nations Environmental Programme (UNEP) at Nairobi

## Programme

Moderation: Anja Küppers, Deutsche Botschaft Washington

### Political Introduction

9:30	Registration / Coffee and Refreshments	
10:00	Opening remarks	Anja Küppers, German Embassy Washington D.C.
10:05	Welcome address	Dr. Klaus Scharioth, Ambassador of the Federal Republic of Germany to the United States
10:15	Germany's new approach to building: striving together for sustainability and innovation	Hans-Dieter Hegner, Head of Division at the Federal Ministry of Transport, Building and Urban Affairs, Germany
10:35	Political and economic paradigm change: Energy efficiency and renewable energies in the United States	James Rannels, Assistant Secretary of Energy Efficiency and Renewable Energy
10:55	Coffee break	

### Implementation of sustainable building and building certification

11:25	Germany: Measuring and Communicating Sustainability – The German “Sustainable Building” Quality Label	Prof. Dr. Carl-A. Graubner, Technical University of Darmstadt
11:45	Beyond LEED	James Timberlake, Kieran Timberlake, Philadelphia

12:05 Questions and answers / Discussion

12:20 Lunch

### Local government initiatives

13:00	Aspects of sustainability in urban development – The 2013 International Building Exhibition in Hamburg	Peter Lindlahr, Head of Centre Coordination of Hamburg, Coordination Centre of Climate Issues, Hamburg
13:20	100 Percent Renewable Energy	Prof. DI MAAS Peter Droege, Hochschule Liechtenstein, Vaduz
13:40	Questions and answers / Discussion	

### Sustainable Design

13:55	Sustainable architecture and modern engineering concepts – examples from Germany	Prof. Dr. Werner Sobek, University of Stuttgart, Illinois Institute of Technology, Chicago
14:15	Modern Office Buildings	Prof. Dr. Norbert Fisch, Technical University of Braunschweig
14:35	Low-energy houses in the United States	Prof. John Quale, University of Virginia
14:55	Questions and answers / Discussion	
15:10	Coffee break	

## Communication and Implementation

15:30	Plus-energy school buildings in Germany – setting future standards	Prof. Dr. Gerd Hauser, Fraunhofer Institute for Building Physics, Stuttgart
15:50	Plus-energy buildings up close – the Solar Decathlon and its impacts	Prof. Manfred Hegger, Technical University of Darmstadt
16:10	Sustainable building as a company's guiding principle	Prof. Bernhard Bürklin, Hochtief, Essen
16:30	Questions and answers / Discussion	

## Future prospects

16:45	The future of solar buildings	Dr. Harry Lehmann, UBA, Federal Ministry for the Environment (inquired)
17:05	Solutions for tackling climate change: Global warming – a real solution	Anja S. Caldwell, Pace Law School, White Plains
17:25	Questions and answers / Discussion	
17:40	End of Symposium	

**19:00 Reception at the Goethe-Institut Washington D.C.**  
hosted by the Federal Ministry of Transport, Building and Urban Affairs, Germany



## Information

<b>Registration</b>	If you would like to register for the symposium, please send an email to <a href="mailto:Sustainable-buildings@wash.auswaertiges-amt.de">Sustainable-buildings@wash.auswaertiges-amt.de</a> by 9 October 2009.
<b>Symposium</b>	German Embassy, Washington D.C.
<b>Venue</b>	4645 Reservoir Road NW, Washington, DC, 20007-1998, Phone: +1-202-298-4000 For directions, go to <a href="http://www.germany.info/relaunch/info/missions/embassy/direx.html">www.germany.info/relaunch/info/missions/embassy/direx.html</a>
<b>Reception</b>	Goethe-Institut Washington D.C.
<b>Venue</b>	812 Seventh Street, NW, Washington, D.C., 20001-3718, Phone: +1-202-289-1200 For directions, go to <a href="http://www.goethe.de/washington">www.goethe.de/washington</a>
<b>Organization</b>	Federal Ministry of Transport, Building and Urban Affairs, Invalidenstraße 44, D-10115 Berlin  TU Darmstadt, Department of Architecture, Energy Efficient Building Design Unit, El-Lissitzky-Staße 1, D-64287 Darmstadt, Phone: +49-6151-16-2046



Symposium

**Sustainable building –  
Innovations and strategies  
for the future**

15 October 2009  
German Embassy, Washington D.C.