



# COP23 | FIJI

UN CLIMATE CHANGE CONFERENCE

## BONN 2017

# Welcome to the Urban Sustainability Management Seminar

## A COP23 side event



International Federation of Consulting Engineers  
The Global Voice of Consulting Engineers



VERBAND BERATENDER  
INGENIEURE

Climate change and an exploding urbanisation require an improved approach for the sustainability management of cities and regions which encompasses an integrated and holistic perspective involving both private and public stakeholders.

A crucial challenge is to formulate and implement appropriate planning processes and indicators that regulate development and are able to help fulfil the goals and ambitions of the COP21 Paris agreement.

Meeting the needs requires expertise, a structured process and the sharing of best practice.

FIDIC, the International Federation of Consulting Engineers, and VBI, the federation's national member association for Germany, in presenting examples of tools to manage urban sustainability, will focus on management standards developed by ISO since they represent a consistent and generally applicable way to advance sustainable development.

All are welcome to take part in and contribute to our Urban Sustainability Management side event.

### Wednesday, 8 November afternoon

### Cities & Regions Pavilion, UNFCCC Bonn Zone

## Programme

**The consulting engineers' role** – *Moncef Ziani, FIDIC Vice-President; Thomas Kraubitz, BuroHappold*

The consulting engineering industry's key role in the sustainable development of the built environment and the industry's commitment to and call for a holistic and integrated approach that addresses the mitigation of, and adaptation to, climate change, with as an example Berlin's TXL urban energy planning.

**The new ISO management standard for sustainable cities and communities** – *Thierry Marneffe, ISO TC 268; Peter Boswell, FIDIC*

The ISO 37101 management system standard, its contribution to multi-actor, multi-disciplinary sustainability governance and FIDIC's action plan and tools to support implementation at the project and community levels.

**Roundtable Discussion: the next steps** – *FIDIC, ISO, ICLEI, and city representatives including Abdessamad Sekkal, President, Rabat-Salé-Kenitra*

Leading cities, urban professionals and stakeholders will exchange views with policy makers on the need for training, guidance and tools to implement and improve urban sustainability management systems.

- Does the sustainable development of cities and communities require a structured process involving a management system with indicators?
- Can such a system support the implementation of an integrated and holistic approach that brings urban projects in line with the principles of the UN Sustainable Development Goals and the New Urban Agenda?
- How does one organise and follow-up pilot programmes to implement the new ISO standard?
- How can we develop practical tools and specific guidelines for decision makers charged with executing a sustainable urban project?



## Human Settlements Day: Transforming the Buildings and Construction Sector

Saturday, 11 November 2017, high-level event, Bonn Zone, Davos room, 13:15-18:15

**Overall Narrative:** The buildings and construction sector has enormous impact on energy consumption and carbon emissions and as such can make a significant difference in climate mitigation efforts. Different ways exist to transform the buildings and construction sector including identifying high-impact pathways, making use of Nationally Determined Contributions, engaging the private sector to overcome the buildings and construction sector's fragmentation, and linking the sector to global sustainability agendas such as SDGs. Among others, this event will highlight recommendations from the GABC technical event on 9 November following the GABC motto '*towards a low-carbon, energy efficient buildings and construction sector*'

10:00–  
11:30

### Opening Human Settlements Roundtable: Setting the stage – Impact & potential of human settlements

Opening by H.E. Mr Mohammed Nabil Benabdallah, Minister of Development of National Territory, Urban Planning, Habitat and Urban Policy, Kingdom of Morocco

### Session I: What is possible? Pathways to zero emission buildings

13:15-  
14:30

**Moderator:** Martina Otto, GABC Secretariat/head of Cities Unit, UN Environment

#### Topics & speakers:

- **Introducing the GABC & PEEB**  
Ibrahim AlZubi, Senior Sustainability Advisor Dubai Land (TBC) & Mike Enskat, Head of Section for Energy, Water and Mobility, Department for Sectoral and Global Programmes, GIZ
- **The Global Status Report: Sector progress since COP21**  
Brian Motherway, Energy Efficiency Director, IEA
- **Achieving vertical Integration & overcoming the lock-in effect**  
Soledad Aguilar, National Director of Climate Change, Ministry of Environment and Sustainable Development, Argentina (TBC)
- **Required technical change for a successful transformation**  
Professor Ralf Niebergall, Vice Director, Federal Chamber of German Architects (BAK)
- **HFC emission reduction plus energy efficiency as part of the pathway**  
Country representative from Kigali Cooling Efficiency Programme & District Energy Initiative
- **Labels for Net Zero Energy & low carbon buildings and the CEM-GABC campaign**  
Yves-Laurent Sapoval, Senior Advisor, Ministry of Ecological & Inclusive Transition (METS), France



14:30-15:00	<p><b>Focus panel: NAMA Development for the Building Sector in Asia</b></p> <ul style="list-style-type: none"> <li>• Dr Luong Quang Huy - Ministry of Natural Resources and Environment, Socialist Republic of Vietnam</li> <li>• Indonesia (TBC)</li> <li>• Thailand (TBC)</li> <li>• Philippines (TBC)</li> </ul>
<b>Session II: Buildings contributing to Sustainable Development Goals</b>	
15:15 - 16:30	<p><b>Moderator:</b> Terri Wills, CEO, WorldGBC</p> <p><b>Topics &amp; speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Guide to Sustainable Building and Assessment Systems and its link to SDGs</b> Andreas Rietz, Federal Institute for Building, Urban and Regional Research</li> <li>• <b>How to make health and wellbeing a tool to grow the renovation</b> Ingrid Reumert, Vice President Global Stakeholder Communications &amp; Sustainability, VELUX Group (TBC)</li> <li>• <b>Developing effective urban sustainability management systems</b> Peter Boswell, Business Development, FIDIC &amp; M. Abdessamad Sekkal, President of Rabat Salé Kenitra</li> <li>• <b>Integration of buildings into sustainable urban management for achieving SDGs</b> Jennifer Layke, Global Director WRI Energy Program</li> <li>• <b>Measurement &amp; Data to underpin linking buildings to SDGs</b> Ursula Hartenberger, Global Head of Sustainability, RICS</li> </ul>
<b>Session III: Transforming the Buildings and Construction Sector</b>	
16:45-18:00	<p><b>Moderator:</b> US Green Building Council (TBC)</p> <p><b>Topics &amp; speakers:</b></p> <p><b>Impulse Presentation: GEF Funding for the SE4All Building Energy Efficiency and District Energy Accelerators</b> Naoko Ishii, CEO, GEF (TBC)</p> <ul style="list-style-type: none"> <li>• <b>Green Mortgages to finance the sector transition</b> Marcene Broadwater, Global Head of Strategy and Business Development, IFC (TBC)</li> <li>• <b>Science-based targets as key factors for successful private sector engagement</b> Emmanuel Normant, Vice President of Sustainable Development, Saint-Gobain, Caroline Hill, Head of Sustainability, Land Sec &amp; Terri Wills, CEO, WorldGBC</li> <li>• <b>Private sector engagement: the consulting engineers commitments on sustainable development</b> Moncef Ziani, Vice President, FIDIC</li> <li>• <b>Overcoming sector barriers: key problems with the informal construction sector</b> Adrian Montalvo, Technical Advisor, SwissContact Peru</li> <li>• <b>Best practice building certification systems</b> Dr Christine Lemaitre, CEO, DGNB</li> </ul>
<b>Finale</b>	
18:00-18:15	<p><b>Closing remarks</b> Dr Andrew Steer, CEO, WRI (TBC)</p>

## Building Action Symposium

Thursday, 9 November 2017 at GIZ Bonn premises, Plenary Room, 09:00 – 18:00

REGISTER [HERE](#) by 30 October 2017

How to achieve the Paris Agreement? Identifying key ingredients to achieving a low-carbon, energy efficient buildings and construction sector

### Part I: Opening & introduction

9:30 – 09:45	<p><b>Welcome</b> Rainer Baake, German State Secretary for Energy</p>
09:45- 10:00	<p><b>Keynote address: What does it take to transform the buildings and construction sector?</b> Judit Kimpian, Chair, Architects Council of Europe's (ACE) Sustainability Work Group</p>
10:00- 10:40	<p><b>Outlining the status of the building sector &amp; GABC activities</b> <b>Moderator:</b> Martina Otto, Head of Cities Unit UN Environment &amp; GABC Secretariat member <b>Form:</b> Presentations followed by Q&amp;A</p> <ul style="list-style-type: none"> <li>• <b>Key GABC events &amp; milestones</b> Nora Steurer, Associate Programme Officer, GABC Secretariat/UN Environment.</li> <li>• <b>Key outcomes of the Global Status Report 2017</b> Brian Dean/John Dulac, Building Efficiency Lead, IEA.</li> <li>• <b>Recommendations from the GABC Global Roadmap</b> Thomas Gueret, Ministry of Ecological &amp; Inclusive Transition, France.</li> </ul>
10:40 - 11:00	<p><b>Coffee break &amp; Announcing Guided Tour</b> Iris Wex, Federal Chamber of German Architects</p>
11:00- 11:30	<p><b>Financing large-scale energy efficiency building projects– role and activities of PEEB</b> <b>Form:</b> Presentations followed by Q&amp;A <b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• Rima Le Coguic, Director Energy and Digital Transitions, AFD</li> <li>• Dominique Campana, Director of International Affairs, ADEME</li> <li>• Mike Enskat, Head of Section for Energy, Water and Mobility, Department for Sectoral and Global Programmes, GIZ</li> </ul>

11:30-12:45	<p><b>Technical panel: How to achieve the SDGs and the Paris Agreement?</b>  <b>Moderator:</b> Oliver Rapf, Executive Director, BPIE  <b>Form:</b> 3 min opening statement by each participant followed by moderated panel discussion.</p> <ul style="list-style-type: none"> <li>• <b>The role of zero emission buildings</b> Terri Wills, CEO, WorldGBC.</li> <li>• <b>Bridging the gap: the role of measuring and data</b> Ursula Hartenberger, Global Head of Sustainability, RICS</li> <li>• <b>Regional specificities and needs: building design</b> Cecilia Rinaudo, Deputy Director, La Voute Nubienne</li> <li>• <b>Regional Specificities and needs: the policy perspective</b> Country contribution (TBC).</li> <li>• <b>The role of life-cycle approaches</b> Dr Christine Lemaitre - CEO, DGNB.</li> <li>• <b>Healthy Buildings as pathway to fast market transformation</b> Kurt Emil Eriksen, Senior Policy Advisor, VELUX Group.</li> </ul>
12:45–14:00	Lunch
14:00 - 15:30	<p style="text-align: center;"><b>Part II: Identifying the key ingredients</b></p> <p>Break-out groups: Key ingredients to a low-carbon, energy efficient buildings and construction sector – public policies, market transformation, finance, and measurement, data and accountability.</p>
<p><b>Breakout group I –Public Policies: Energy Efficiency &amp; Buildings as key to achieving Nationally Determined Contributions</b>  <b>Session lead:</b> Yves-Laurent Sapoval, Senior Advisor, METS France.  <b>Moderator:</b> Martina Bosi, ESMAP, World Bank (TBC).  <b>Form:</b> Impulse presentations followed by group discussion on recommendations (TBC).</p> <p><b>Speakers &amp; topics:</b></p> <ul style="list-style-type: none"> <li>• <b>Impulse presentation: Status of Nationally Determinations Contributions (NDCs)</b> Brian Dean/John Dulac, Building Efficiency Lead, IEA.</li> <li>• <b>Linking buildings to NDCs – sectorial approaches (TBC).</b></li> <li>• <b>The Plan Batiment Durable as example for local alliances</b> Jerome Gatier, Director, Strategic Committee on Buildings, METS France (TBC)</li> <li>• <b>The role of local authorities &amp; vertical integration</b> Jennifer Layke, Global Director, WRI Energy Program</li> <li>• <b>Carbon pricing as an essential tool for decision making</b> Cedric De Meeûs, Head, Group Public Affairs, LafargeHolcim</li> <li>• <b>Cooling policies to transform the buildings and construction sector</b> Dan Hamza-Goodacre, Executive Director, Kigali Cooling Efficiency Program.</li> </ul>	
<p><b>Breakout group II – Market Transformation: how to engage the private sector to achieve the GABC ambition.</b>  <b>Session lead:</b> Roland Hunziker, Director, Sustainable Buildings &amp; Cities, WBSCSD.  <b>Moderator:</b> Roland Hunziker, Director, Sustainable Buildings &amp; Cities, WBSCSD.  <b>Form:</b> Short presentations followed by group discussion on recommendations.</p> <p><b>Main theme:</b></p> <ul style="list-style-type: none"> <li>• <b>How to develop science-based targets for the buildings and construction sector – feedback from scoping workshop</b></li> </ul>	

Input from WorldGBC, Saint-Gobain, LafargeHolcim, and others TBC.

**Other inputs (30 min):**

- **Incorporating life-cycle approach for sustainable buildings and construction (TBC)**
- **From Near zero energy building to near zero emissions building**  
Idriss Kathrada, FIDIC/ Novasirhe.
- **Meeting the challenge of existing buildings – finding market solutions for fast retrofiting**  
Terri Wills, CEO WorldGBC.

**Breakout group III – Finance: How to access finance for the needed transformation?**

*Session lead: Benoit Lebot, Executive Director, IPEEC.*

*Moderator: Benoit Lebot, Executive Director, IPEEC.*

*Form: Framing presentation followed by moderated panel discussion.*

**Speakers & topics:**

- **Green Mortgages**  
UK Green Building Council (TBC)
- **Non-mortgage finance strategies: Green bonds for green buildings**  
Sean Kidney, CEO, Climate Bonds Initiative
- **C40 Cities Finance Facility and how buildings projects might be eligible**  
James Alexander, Director C40 (TBC)
- **EeMAP private sector financing of energy efficient buildings**  
Luca Bertalot, European Mortgage Foundation/EeMAP Coordinator

**Breakout group IV – Building data capture and management as a catalyst for moving the sector onto a 2°C pathway.**

*Session lead: Ursula Hartenberger, RICS & Kyryl Tomliak, SAEES Ukraine.*

*Moderator: Ursula Hartenberger, RICS & Kyryl Tomliak, SAEES Ukraine.*

*Form: Impulse statements followed by group discussion on recommendations.*

**Speakers & topics:**

- **Session introduction**  
Kyryl Tomliak, Advisor, Ukraine State Agency on Energy Efficiency and Energy Saving & Ursula Hartenberger, Global Head of Sustainability, RICS
- **Assessing life cycle related environmental impacts caused by buildings: How can data help**  
Alexander Passer, Associate Professor, Working Group Sustainable Construction, Institute of Technology and Testing of Construction Materials, Graz University of Technology
- **IEA Annex 70: Using data for meeting the challenges of existing buildings**  
Andrew Smith, Deputy Director, Centre for Energy Epidemiology, UCL Energy Institute, University College London
- **Creating demand: Data as a key ingredient for the development of energy efficiency financing tools**  
Zsolt Toth, Leader Valuation Work Package, Energy Efficiency Mortgages Action Plan (EeMAP) Project Consortium
- **Policy as a driver for data and measurement**  
Sean Lockie, Head of Urban Transitions, Climate-KIC
- **Fostering innovation through improved data collection and digitalization**  
York Ostermeyer, Associate Professor, Civil and Environmental Engineering, Chalmers University of Technology
- **Wrap up of session and summary of key messages**  
Kyryl Tomliak, Advisor, Ukraine State Agency on Energy Efficiency and Energy Saving, Ursula Hartenberger, Global Head of Sustainability, RICS

15:30 –  
16:00

Coffee break

## Part III: The Findings

Reporting back — 3-5 key ingredients per break-out group on achieving a low-carbon, energy-efficient, and resilient buildings and construction sector.

16:00 - 17:45	Break-out session present <b>3-5 main recommendations including the stakeholder group which the recommendations address</b> , bearing in mind the Paris Agreement from COP21, as well as the goal of COP23. 20 min per group.
17:45 - 18:00	<b>Summary &amp; close</b> Dr Le Trung Thanh, Director General, Department of Science, Technology and Environment, Ministry of Construction, Socialist Republic of Vietnam (TBC).
18:00	Networking event
21:00	End

## Guided tour: Showcasing exemplary sustainable architecture and buildings

*Friday 10 November 2017, 09:00 - 12:00, by the Federal Chamber of German Architects (BAK), Stadthaus, Berliner Platz 2, 53111 Bonn*

During this guided tour by the Federal Chamber of German Architects (BAK), buildings will be shown that are exemplary for sustainable architecture. A bus will be provided for the transfer. Places are limited to 30 people. You can register by contacting [info@bruessel.bak.de](mailto:info@bruessel.bak.de). The tour will be held in English.

9:30 – 09:45	Welcoming of participants by Federal Chamber of German Architects (BAK) and Federal Chamber of Architects North Rhine Westphalia Stadthaus, Berliner Platz 2, 53 111 Bonn
09:45 – 10:00	Welcoming of participants by the City Planning Department of Bonn
10:00	Beginning of the guided tour
	<ul style="list-style-type: none"> <li>• Visit of a day care centre for children <i>'Internationale Kita, Bonn'</i></li> <li>• Visit of the student housing <i>Grünes Studentenwohnheim 42!</i></li> </ul>
12:00	12h00: End of the tour (snack provided)



## SDG 11 Day

Monday, 13 November 2017, Bonn Zone, 15:00-16:30

### Transforming markets for buildings to deliver against SDGs 11, 7 and 13: A high-level dialogue.

<p><b>Session overview</b></p>	<p>Despite an increase in positive actions, we need to further scale up our efforts for zero emission buildings to become the norm. This session will emphasise the building sector's potential, and showcase political commitments and positive examples of multi-stakeholder action, involving different parts of the buildings and construction sector value chain. Among others, the session will highlight the example of the Kingdom of Morocco having set up a national Alliance for Building and Construction. Morocco's national ABC regularly consults with the private sector, allowing for better informed policies, buy-in from the private sector and increased collaboration and concerted action between the different parts of the value chain.</p>
<p><b>Discussion format</b></p>	<p>Impulse presentation followed by moderated roundtable discussion</p>
<p><b>Speakers</b></p>	<p><b>Welcoming keynote:</b> H.E. Mr Kimmo Kalevi Tiilikainen, Minister of Housing, Energy and the Environment, Republic of Finland</p> <p><b>Moderator:</b> Dr Christine Lemaitre, CEO, DGNB</p> <p><b>Panel:</b></p> <ul style="list-style-type: none"> <li>• H.E. Mr Mohammed Nabil Benabdallah, Minister of Development of National Territory, Urban Planning, Habitat and Urban Policy, Kingdom of Morocco.</li> <li>• H.E. Mr Vo Tuan Nhan, Deputy Minister of Natural Resources and Environment, Socialist Republic of Vietnam.</li> <li>• H.E. Ms Barbara Hendricks, Minister for the Environment, Nature Conservation, Building and Nuclear Safety, Federal Republic of Germany (TBC).</li> <li>• H.E. Mr Nicolas Hulot, Minister for the Ecological and Inclusive Transition, French Republic (TBC).</li> <li>• Ms Yuriko Koike, Governor of Tokyo (TBC).</li> <li>• Ms Elizabeth Dowdeswell, Lieutenant Governor of Ontario (TBC)</li> <li>• Mr Jerry Brown, Governor of California (TBC).</li> <li>• Mr Enrique Peñalosa, Mayor of Bogotá (TBC).</li> <li>• Mr Diébédo Francis Kéré, CEO &amp; Founder, Kéré Architecture (TBC).</li> <li>• Velux (TBC).</li> <li>• Danfoss (TBC).</li> </ul>