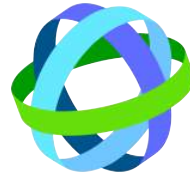




Towards a Global Alliance
for Buildings and Construction
BUILDINGS DAY
At COP 21
3 December 2015



WORLD
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BUILDINGS DAY AT COP21- SUMMARY REPORT



Ségolène Royal, French Minister of Ecology, speaking at Buildings Day, COP21, Paris

INTRODUCTION

The first ever “Buildings Day” took place at the COP21 climate change negotiations in Paris on 3 December 2015. Initiated by the World Green Building Council, France, UNEP and other partners, the day showcased an unprecedented alliance of key players from within the buildings and construction industry who discussed how to reduce greenhouse gas emissions from buildings, and how the sector can play its part in limiting global warming to 2 degrees.

THE SIGNIFICANCE OF A BUILDINGS DAY AT THE COP21

Buildings Day formed part of the Lima Paris Action Agenda (LPAA), a formal part of COP21 spearheaded by France, UNFCCC and Peru, the host of COP20. The intention of this Agenda was to mobilise robust global action towards low carbon and resilient societies; providing enhanced support to existing initiatives, such as those launched during the New York Secretary General Climate summit in September 2014; and mobilising new partners and providing a platform for the visibility of their actions, commitments and results in the run up to COP21.

There were 12 components to the LPAA: Agriculture, Forest, Transport, Renewable Energy, Energy Access and Efficiency, Resilience, Cities and Subnationals, Private Finance, Business, Innovation, Buildings, Short-Lived Climate Pollutants.

While the LPAA was unique to COP21, similar formal ‘action’ agendas had been included at previous COPs. However, this was the first time that Buildings was a separate part of such an action agenda. Typically included as part of an *Energy* agenda, this was the first year that France, UNEP, WorldGBC and other partners including WBCSD (World Business Council for Sustainable Development), GBPN (Global Building Performance Network), RICS (Royal Institute for Chartered Surveyors), A2030 (Architecture 2030), successfully persuaded the UNFCCC that Buildings deserved a key role at a COP - not only because of their major potential to combat climate change, but because the sector is taking significant and coordinated action through high impact networks - primarily World Green Building Council and WBCSD. In the words of one UN official, “*Buildings Day would not have happened without WorldGBC*”.



Buildings Day was the recognition that the green building movement - spearheaded by the 74 Green Building Council network - is having a major global impact on climate action.

THE LAUNCH OF THE GLOBAL ALLIANCE FOR BUILDINGS & CONSTRUCTION

On Buildings Day, a major alliance of countries, cities, regions, and NGOs working towards greenhouse emissions reduction through the building and construction sector was formally launched. France, and the LPAA organising committee considered long-term alliances that would support treaty signatory countries (beyond the signing of the main treaty) as essential to ensure that action continued beyond the actual COP21 event.

The Alliance is formally led by France and UNEP, and World Green Building is considered an 'initiating partner'. There is currently no formal structure for the Global Alliance for Buildings and Construction. But in January, the World Green Building Council will be working with France, UNEP and other partners to develop a governance structure that is flexible, complementary of existing networks like WorldGBC and of other initiatives (such as 10YFP, SBCi), and that brings the strength of France's diplomatic relationships with major countries together with the strengths of organisations like WorldGBC in working with the private sector and civil society.

Countries that have joined so far include: Armenia, Austria, Brazil, Cameroon, Canada, Finland, France, Germany, Indonesia, Japan, Mexico, Morocco, Norway, Senegal, Singapore, Sweden, Tunisia, Ukraine, United Arab Emirates, United States of America, and Vietnam.

THE WORLDGBC, GBC AND MEMBER COMMITMENTS

In August 2015, WorldGBC invited Green Building Councils to participate in a global collective commitment and individual commitments that would be launched at COP21. WorldGBC was delighted that 30 Green Building Councils submitted commitments to WorldGBC - and in future, we would like to see every single member Green Building Council participate in global initiatives like these to show the world the power of the global network, but also to raise awareness about the power of their own GBC to help their country meet major sustainability goals. Commitments included:

- 30 Green Building Councils making national commitments, and collectively committing to register, renovate or certify over 1.25 billion square metres of green building space - almost twice the size of Singapore - and train over 127,000 qualified green building professionals by 2020.
- All 74 national Green Building Councils supporting the high level commitment from WorldGBC to achieve Net Zero carbon new building and energy efficient refurbishment of the existing building stock by 2050.
- Three Green Building Councils (Canada, Australia and South Africa) committing to introduce Net Zero certification for buildings.
- More than 125 corporate members of Green Building Councils making commitments.

All of these commitments can be viewed on the Better Build Green website [here](#).

These commitments played an essential role at COP21, and they will form an important part of post-COP21 action for WorldGBC. This includes:

- **The communication of these commitments:** Over 50 mentions in the global media (see page 5) significantly raised the profile of the WorldGBC Network and for individual GBCs. More than 20 of these articles were about the individual country commitments made by GBCs themselves. WorldGBC will be continuing communications about these commitments and progress against them into 2016;
- **Demonstrating the action-orientation of the GBC community to influencers and potential funders:** Major influencers, including the UNFCCC, senior Ministers from countries, funders like



the Global Environmental Facility, and major corporations now equate the Green Building Councils with specific, measurable and ambitious action;

- **Providing a focus for 2016 action:** The commitments made by individual GBCs and their members now provides important direction for GBCs and how WorldGBC supports them. The GBCs that committed to support their members with advancing their own commitments, and ensuring measurability and accountability, will be supported on this process through the Established GBC Network. The three GBCs which committed to launch Net Zero certification will be supported by an emerging WorldGBC project on Net Zero, and can be joined by additional GBCs interested;
- **Enabling a structure for the Buildings Alliance:** The Alliance - led by France and UNEP - will soon begin mapping the needs of countries signed up, and having access to the commitments of the individual GBCs will enable the Alliance to match country needs to GBC capabilities and actions, which could also open up climate finance funding opportunities for GBCs.
- **Support of the Sustainable Development Goals:** Now that COP21 is over, WorldGBC will be focussing communications in 2016 on how Green Building Councils around the world help achieve the Sustainable Development Goals, and the commitments will feature as part of this.

BUILDINGS DAY ITSELF

Buildings Day was split into two main parts: a morning event accessible to all ('Green Zone'), and an afternoon session which was part of the official UNFCCC Lima Peru Action Agenda and was restricted to organisations with official UNFCCC accreditation ('Blue Zone').

More than 400 people attended the Green and Blue Zones. WorldGBC was delighted that 15 Green Building Councils attended. Special thanks to Emirates, Finland, France, Germany, India, Kazakhstan, Italy, Latvia, Poland, Singapore, South Africa, Spain, Turkey, UK, US for making the trip!

GREEN ZONE

There were three key sessions, with quite a few speakers discussing the essential role of GBCs (detailed agenda below):

1. **Policy into Practice:** Glen Murray, Minister of Environment and Climate Change for Ontario, and a major supporter of WorldGBC in its founding years, spoke about new policies for the buildings sector.
2. **Goals & Solutions:**
 - Ed Mazria, CEO of Architecture 2030 and a winner of the WorldGBC's Chairman's Awards this year, argued that the building sector must - and can - become carbon neutral by 2030;
 - Ibrahim Al-Zu'bi, Head of Sustainability for Majid Al Futtaim Properties, spoke about the importance of green building in the UAE, and their new role on the World Green Building Council Corporate Advisory Board, and work with the Emirates GBC.
 - Marcene Broadwater, from IFC, spoke about the importance of the EDGE tool, administered and supported by many GBCs, in driving green building in emerging economies.
3. **Government Leadership in Policy & Strategies:**
 - Mr S. Raghupathy, Executive Director of the India Green Building Council, told the audience that green buildings were "technically feasible and financially viable", explaining how India now has the second largest green building footprint in the world at 3.14 billion square feet, due to the "push and pull" strategy of government and the private sector working hand in hand to deliver green buildings.



- Mr. Kian Seng ANG, Director Building & Construction Authority, Singapore, spoke about the Building and Construction Authority's commitment to green 80 per cent of their buildings by 2030, and the Green Mark certification tool supported by Singapore GBC.

4. Sub-National Leadership & Action

- A panel of Mayors, including from Sydney, Bogor, Atlanta, Belo Horizonte and Cape Town, was moderated by Jennifer Layke from Sustainable Energy for All's Global Energy Efficiency Accelerator Platform, of which WorldGBC is a part.

BLUE ZONE

The Blue Zone was attended by very senior level Ministers and CEOs. It was opened by Ségolène Royal, the French Minister of Ecology, setting out the challenges for all new buildings to be “energy positive” and for widespread energy efficient refurbishment of existing buildings, as well as the need to bring nature back into our cities. A [video](#) featuring Dan Labbad, CEO of LendLease (a member of WorldGBC's Corporate Advisory Board and a sponsor of WorldGBC's Better Places for People campaign), Johan Karlström, CEO of Skanska (also a sponsor of Better Places for People) and Alex White, Ireland's Energy Minister, was then shown. (A film of Munish Datta, Head of Plan A and Facilities Management at Marks and Spencer, a sponsor of Better Places for People, and Roger Platt, President of the US Green Building Council, was also shown during the morning session. The video can be viewed online [here](#).)

The session then moved onto three separate panels examining public policies, value chain transformation and finance:

- **Public Policies:** Speakers included Mehmet Kaplan, Minister for Housing Urban Development and IT from Sweden; Hannele Pokka, Permanent Secretary from Finland; Mayor of Warsaw; Danfoss Heating, and Acting Secretary Joyceline Gogo, Climate Change Office, Philippines.
- **Value Chain Transformation:** Terri Wills, CEO of WorldGBC, facilitated a lively session on value chain transformation, featuring Pierre-André de Chalendar, CEO of Saint-Gobain (a member of WorldGBC's Corporate Advisory Board) who spoke about the World Green Building Council and how important its global and local model is. Additional speakers included Eric Olsen, CEO of Lafarge Holcim, Ms. Sangeeta Prasad, CEO of Integrated Cities and Industrial Clusters at Mahindra Life Spaces, Dr. Thani Ahmed Al Zeyoudi, Director of Climate Change and Energy, United Arab Emirates, and Esa Mohamed, President of the International Union of Architects.
- **Finance:** Speakers include Yuko Nishida, from Tokyo Metropolitan Government, Martin Bruhl, President of RICS; and Dr Naoko Ishi, CEO of the Global Environment Facility.

PRESS COVERAGE & SOCIAL MEDIA

We secured more than 50 media mentions for WorldGBC and Green Building Councils (and their corporate members) which made commitments at COP21. These ranged from news stories to editorials, both online and in print, appearing in a range of publications across the world. (We also published a [WorldGBC press release](#) and the UN issued an [LPAA press release](#).) Below we present a selection of articles.

The Buildings Day hashtag ‘trended’ on twitter, and the #betterbuildgreen hashtag was also frequently used. WorldGBC's tweets on Buildings Day alone generated 35,000 impressions. (See below for tweets)

LESSONS LEARNED

Overall, we believe that WorldGBC's involvement in the COP21 was a tremendous success.

Terri Wills, our CEO, made this comment on Buildings Day and the final Paris Agreement: “The first ever Buildings Day was a real triumph. Not only did major global influencers publicly recognise how green



buildings can combat climate change, but they also acknowledged the key role that Green Building Councils play in driving action on the ground.

“The Paris Agreement sends a signal to markets, countries and citizens that climate change is a clear and present danger, that the solutions to address it are available, and that we must change the way our economies and cities develop and prosper. Green building will play a fundamental part in that shift - and Green Building Councils and their members are already rolling up their sleeves and getting to work to deliver.”

However, we learned that in future we would focus more on ensuring that all GBCs and their members could participate in Buildings Day from afar through streaming technology; we would give more lead time to GBCs in providing the *Better Build Green* materials and conduct more one-on-one or group calls with GBCs to explain the commitment, the campaign and the benefits of getting involved.

If you have further feedback for us on the campaign, please contact James Kershaw jkershaw@worldgbc.org.



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France

Les Echos, 2 December 2015

TROIS QUESTIONS À...
TERRI WELLS Présidente du World Green Building Council

« Nous sommes des acteurs incontournables de la bataille contre le réchauffement climatique »



World Green Building Council

● La France organise le premier « building day » d'une conférence des Nations unies sur le climat. Pourquoi est-ce important ?

Il est très important de réunir toute l'industrie afin de se faire voir et reconnaître comme un acteur. Ce n'est pas encore le cas. Le bâtiment et la construction sont perçus comme de très gros consommateurs d'énergie et d'eau, et des industries polluantes, tout le monde a cette image en tête. Nous voulons la modifier et montrer que nous sommes des acteurs incontournables de la bataille contre le réchauffement climatique. Le « building day » devrait être l'occasion de le dire haut et fort et de se faire entendre des Etats et des collectivités.

● Cette industrie a-t-elle des solutions à apporter ?

Oui. Elles sont nombreuses et beaucoup existent déjà. Le World Green Building Council (WGBC) réunit 74 pays adhérents qui partagent leurs expériences. Tous n'en sont pas, bien sûr, au même degré d'efficacité ou d'exigence, mais nous voyons les progrès, y compris en Chine ou au Kenya, où les codes de la construction obsolètes sont progressivement revus afin d'inclure des prescriptions environnementales. A l'autre bout de la chaîne, dans la province canadienne de l'Ontario ou en Californie, certaines collectivités encouragent les maisons « zéro carbone ». Le « building day » sera aussi l'occasion de sensibiliser tous les acteurs, c'est-à-dire toute la chaîne de production. Depuis les collectivités et les propriétaires de terrains, publics ou privés, jusqu'aux investisseurs qui doivent mieux mesurer et considé-

rer leur retour sur investissement ainsi que les bénéfices possibles pour les utilisateurs des immeubles, en passant par les promoteurs. Cette chaîne comprend évidemment les architectes et les urbanistes : l'immeuble en tant qu'objet durable est important, mais la manière dont il s'intègre dans la ville, dont il interagit avec ses voisins est aussi primordiale. Les fabricants de matériaux qui seront de moins en moins inertes sont enfin concernés. Ce sont des industriels et, à ce titre, les moteurs d'un secteur dont la production reste la fabrication, à chaque fois, d'un prototype.

Le « building day » sera l'occasion de sensibiliser tous les acteurs de la chaîne de production.

● Les certifications environnementales sont nombreuses. Pourquoi ne pas opter pour un label unique et plus efficace ?

Nous n'avons pas vocation à imposer un label unique, anglais, français ou américain. Mais nous travaillons sur des équivalences faciles à lire pour les promoteurs comme pour les investisseurs, dont les patrimoines sont de plus en plus diversifiés et internationaux. Les immeubles n'auraient ainsi plus besoin d'être certifiés plusieurs fois, ce qui aujourd'hui engendre des coûts supplémentaires. Nous avons déjà publié un guide permettant de comparer les différentes pratiques et exigences des trois principaux labels, pour la production neuve et la rénovation.

Propos recueillis par C. S.

United Kingdom

Building.co.uk

UK firms pledge carbon reduction at Paris summit

3 December 2015 | By Yoosof Farah

At Buildings Day at global climate summit contractors and developers pledge to limit emissions



Major contractors and developers have made a series of major pledges to reduce their carbon emissions today during Buildings Day at this week's global climate summit in Paris.

Today's event was designed to get the buildings and construction sector to take action to reduce emissions in the built environment.

Heavyweight firms including Lendlease, Skanska, Carillion, Laing O'Rourke, Morgan Sindall and Sir Robert McAlpine have made commitments to reduce their carbon footprint and/or improve their energy efficiency.

The firms realise there is a greater risk to their bottom line by not doing anything

Terri Wills, WGBC

The pledges have been corralled by the World Green Building Council, with 20 national Green Building Councils (GBC) committing to renovate or certify over 1.24 billion m² of green building space and train over 120,000 qualified green building professionals by 2020.

All 74 GBCs have committed to achieve net zero carbon on new building and energy efficient refurbishment of the existing building stock by 2050. In particular, Lendlease has committed to delivering two major carbon net positive developments by 2020, one of which will be its £3bn Elephant Park scheme in London.

The commitment means that the developments will act to reduce overall carbon emissions by producing more low-carbon energy than they consume.

On the contracting side, the firm has also committed to building all of its projects to the top two sustainability certifications, such as BREEAM in the UK and LEED in the US, in markets where the firm is a contractor.

Speaking to Building ahead of Buildings Day, World Green Building Council chief executive Terri Wills said construction firms, rather than governments, are "really leading" on reducing emissions from the built



environment. She said: "We've actually seen the most from the UK; their commitments are tremendous. I think they realise there is a greater risk to their bottom line by not doing anything."

<http://www.building.co.uk/news/uk-firms-pledge-carbon-reduction-at-paris-summit/5078988.article>

businessGreen

Why green building will be the real superhero at Paris

Terri Wills of the World Green Building Council argues green buildings are about to have a major impact at COP21

By Terri Wills, World Green Building Council
02 Dec 2015

Is it a bird? Is it a plane? No. But it's not superman either. COP21 in Paris is set to have a more unlikely hero: green building.

If you think that's a rather bold way to begin a blog, the facts speak for themselves. Buildings - and mostly the world's old, energy guzzling and inefficient ones - currently account for around one third of global greenhouse gas emissions. They also place pressure on the world's valuable resources - an astounding 40 per cent of global resources and 25 per cent of global water are used in buildings according to the United Nations Environment Programme.

But by the same token, green buildings - ones which have limited, zero, or, in some cases, positive impacts on the environment - can relieve this burden on resources and significantly reduce emissions. 84 gigatonnes of CO₂. That's the figure that the World Green Building Council and the International Energy Agency have projected must be reduced by 2050 if the sector is to play its part in limiting global warming to 2 degrees. To put that into context, it's the equivalent of not building 22,000 coal powered power stations by the middle of this century.

It's an enormous challenge, but this large-scale reduction of emissions is absolutely possible. It will take transformative action and collaboration, something that will be shown on an unprecedented scale tomorrow.

On Thursday, politicians, business leaders and NGOs will meet in Paris for the official COP21 Buildings Day - the first of its kind at any UN climate change negotiations - to set out how the buildings and construction sector can play their part in steering the world from the brink of dangerous global warming.



Initiated by the WorldGBC, France and other partners, it is being championed by Ségolène Royal, France's Minister of Ecology and former presidential candidate. Ms Royal, together with the likes of the global CEO of French product manufacturer Saint-Gobain, the Deputy Assistant Secretary for International Climate within the Obama Administration and the Mayor of Sydney, will make the case to countries that green building is one of the most cost-effective solutions to climate change.

They will tell the world how green buildings create major economic opportunities, such as a projected 3.3 million US jobs by 2018 - more than one third of the entire US construction sector.

They will highlight how green buildings are better for people's health, wellbeing and productivity - such as the estimated productivity improvements of up to 11 per cent from green features such as improved indoor air quality.

But perhaps most importantly, they will show how green buildings represent one of the best ways for countries to meet their Intended Nationally Determined Contributions (INDCs). At least 40 countries have specifically referred to the buildings sector as one of the means by which they can achieve their INDCs. And Buildings Day will also see the launch of a new alliance of more than 100 countries, cities and organisations - including WorldGBC and its network of 74 Green Building Councils - that will publicly commit to supporting countries to meet these targets through green building.

National Green Building Councils are also playing their part within their own countries - driving transformative action on the ground in a variety of ways. The Indian Green Building Council has, for example, committed to facilitate almost 1 million square metres of registered green building and to help the Indian Government meet its INDC through green building policies. In Australia, Canada and South Africa, the Green Building Councils have committed to introduce Net Zero certification schemes for buildings with no net annual carbon emissions, which will be critical in highlighting building assets that are at a reduced risk of exposure to the effects of our changing climate.

So when you look to the sky for something that might solve our climate crisis, you might not see a flickering cape or bat-shaped sign, but you will see a green building. With the potential to reduce global emissions by up to a third, that's an achievement worthy of a superhero.

Terri Wills is chief executive of the World Green Building Council

This article is part of BusinessGreen's [Road to Paris hub](#), hosted in association with [PwC](#).

<http://www.businessgreen.com/bg/opinion/2437266/why-green-building-will-be-the-real-superhero-at-paris>



Towering ambition on green buildings

25 NOVEMBER, 2015 BY TERRI WILLIS

The iconic Eiffel Tower stands tall above the city of Paris, the scene for next month's UN negotiations where world leaders from more than 190 nations will meet to thrash out a new global deal on climate change.

But it's another creation from the firm of Gustav Eiffel which perhaps captures more aptly the winds of change we're witnessing in the global building industry.

The 1893 Eiffel Palace in Budapest, Hungary, is an historic building which is using innovative green technology – such as solar PV, energy-saving LED lights and pre-programmable elevators - to vastly improve its environmental footprint.

Not only an outstanding and award-winning green building project, it's just one example of how the past is reinventing itself for a greener future - an appropriate metaphor given the perceived failure of previous climate change negotiations and where we stand today, on a much more optimistic footing.

That's not to say that the outcome of these talks is a done deal. Far from it.

Which is why the World Green Building Council and a number of other partners, working with UNEP and France, have secured "Buildings Day" in Paris on December 3.

The day, the first ever dedicated solely to the role of buildings, will highlight how green building is one of the most cost-effective solutions to climate change, which also has wider economic and societal benefits such as job creation and improved health and wellbeing.

And so after world leaders hopefully sign on the dotted line, their governments will turn to buildings and those who design, build, operate and occupy them to help deliver on their pledges.

The day itself will feature over 50 expert speakers from the global building community, and will tackle head-on some of the major challenges and opportunities that exist when attempting to green our built environment



- from access to finance and government policies, to the measurement of performance and the transformation of value chains.

Green Building Councils are playing their part, with many supporting the World Green Building Council's ambitious global commitment to achieve net zero carbon new buildings and energy efficient deep refurbishment of existing buildings by 2050.

Other GBCs are making commitments on how they will drive more sustainable building in their own national markets.

The UK Green Building Council has, for example, [pledged to train](#) 5,000 professionals by 2020 and help to develop and implement policies that support the UK government's target to reduce emissions from the built environment by 50 per cent by 2025, as well as securing [corporate pledges](#) from 30 of its own members.

Yet it's not just a group of enthusiastic NGOs and that are rallying together to highlight the potential of buildings to reduce emissions.

The private sector is firmly behind a positive outcome at Paris, with major global companies such as Lendlease, Skanska and Saint-Gobain all making long-term commitments on how they will contribute to keeping global temperature rises within the 2 degree limit.

Why? Because they understand that green buildings are simply better buildings.

Not just better for the health of the planet, but better for the health of building occupants and for the health of their businesses.

Terri Wills is CEO of the World Green Building Council

http://www.constructionnews.co.uk/opinion/expert-opinion/towering-ambition-on-green-buildings/8692453.article?blocktitle=Features-and-Analysis&contentID=10219#.VIW_wnbhDIU



United States



Last Updated: December 4, 2015

Five Billion SF of Green Building Planned

By [David Phillips](#) | International

PARIS—The **U.S. Green Building Council** plans to commit to scaling green buildings to more than five billion square feet (478 million square meters) over the next five years through the **LEED** and **EDGE** green building rating systems. The council's commitment was made Thursday at **Buildings Day**, an official event at the **United Nations** climate negotiations conference known as **COP21**.

"As we gather around the imperatives to address climate change at COP21, we know that buildings must continue to be a key focus area for countries to reach carbon emissions reduction goals," said **Roger Platt**, president, USGBC. "By encouraging the use of green building rating systems like LEED and EDGE in both the public and private sectors, countries can log immediate and measurable reductions of these emissions as their building stock uses less energy and water, creates less waste, saves money and creates a healthier environment for everyone."

LEED (Leadership in Energy and Environmental Design) is the world's most widely used green building rating system. LEED projects can be found in more than 150 countries and territories throughout the world, with more than 1.85 billion square feet of space being certified everyday. Designed for emerging economies, EDGE (Excellence in Design for Greater Efficiencies) is a green building certification system for new residential and commercial buildings that enables design teams and project owners in developing countries to assess the most cost effective ways to incorporate energy and water saving options into their buildings.

USGBC's sister organization, **Green Business Certification Inc.**, is the exclusive certification body for LEED globally and EDGE in **India** and also certifies EDGE projects in other countries throughout the world. GBCI oversees a portfolio of additional rating systems and programs that support carbon reductions as a way to mitigate climate change.



USGBC joined 25 other **Green Building Councils** from around the world that unveiled commitments at COP21 to transform the sustainability of buildings to reduce greenhouse gas emissions and ensure that the building and construction industry plays its part in limiting global warming to 2 degrees.

Buildings in general currently account for about one third of global emissions, and green buildings are one of the most cost-effective solutions to climate change, by generating significant environmental, economic and societal benefits.

"USGBC has long been at the forefront of real leadership on green buildings and its ambitious commitments at these critical climate change negotiations in Paris are an excellent example of that leadership," said **Terri Wills**, CEO of the **World Green Building Council**. "We know how to build bigger and bigger. The challenge is to build bigger and better and at the same time improve our existing buildings stock. And it is commitments like these that will underscore the critical importance of using every tool at our disposal to achieve the 2 degree world we need to ensure for our future."

U.S. Green Building Council (USGBC) is committed to a prosperous and sustainable future through cost-efficient and energy-saving green buildings. USGBC works toward its mission of market transformation through its LEED green building program, robust educational offerings, a nationwide network of chapters and affiliates, the annual **Greenbuild International Conference & Expo**, the **Center for Green Schools** and advocacy in support of public policy that encourages and enables green buildings and communities.

The commitments form part of the World Green Building Council's **Better Build Green** campaign, which has been focusing on COP21 and Buildings Day.

A summary of the commitments:

- All 74 national Green Building Councils support the high level commitment from the World Green Building Council (the global network of which they are members) to achieve Net Zero carbon new building and energy efficient refurbishment of the existing building stock by 2050.
- 25 Green Building Councils commit to register, renovate or certify over 1.25 billion square metres of green building space - almost twice the size of Singapore - and train over 127,000 qualified green building professionals by 2020.
- 3 Green Building Councils (Canada, Australia and South Africa) commit to introduce Net Zero certification for buildings.
- More than 125 corporate members of Green Building Councils have made commitments, including the French product manufacturing giant Saint-Gobain, Australian developer LendLease and Swedish construction firm Skanska.



http://www.globest.com/news/12_1252/international/office/Five-Billion-SF-of-Green-Building-Planned-364007-1.html



A cheat sheet to industry-specific COP21 pledges

[Heather Clancy](#) and [Barbara Grady](#)

Tuesday, December 8, 2015 - 5:00pm

This article was last updated Tuesday, Dec. 8, to reflect additional commitments. It originally ran Friday, Dec. 4.

As we research this article, the Twitter filter we created to monitor COP21 climate change developments is updating with dizzying frequency — a tweetstorm of commentary and broad commitments aimed at achieving a low-carbon future.

Many [grand proclamations](#) related to the U.N. Conference of Parties in Paris originate with loosely organized private-sector alliances that stand behind specific goals. One fun example is Divest for Paris, a group of 500 organizations ranging from Europe's largest insurance firm Allianz to the London School of Economics. What do they have in common? They have all agreed to purge their fossil fuels investments.

On Tuesday, World Resources Institute trumpeted the [Sciences Based Targets Initiative](#), a group dedicated to setting their sustainable business priorities by using scientific data and evidence to steer them rather than relying on marketing priorities. At the launch, [114 companies expressed their intention to participate](#). Of those, 10 have already submitted (and been approved for) specific carbon management goals including Coca-Cola, Dell, Enel, General Mills, Ikea, Kellogg, NRG Energy, Procter & Gamble, Sony and Walmart.

These sorts of declarations certainly draw attention. Then again, from a public relations standpoint, there's safety in numbers. It's relatively easy to avoid criticism for missing a goal later when it's buried in a statement that includes literally dozens of other companies. That's far less possible when an organization takes a stand on its own or with industry peers.

With that in mind, here's a list of bold sector-related or company-specific action plans coinciding with the Paris climate negotiations. *Check back for updates as the conference unfolds.*



Agriculture and food

Perhaps no other industry faces as much operational risk from climate change as big food and agriculture. The corporations that produce packaged food and beverages — Mars, [Kellogg](#), [General Mills](#), PepsiCo, Monsanto and Coca-Cola among them — are heavily dependent on supply chains that stretch around the world.

They've already felt the impact of warmer climates in shortages or higher costs for commodities from areas where droughts, floods or new insect infestations are working against farmers. Many are activists for carbon mitigation front: [Mars](#) was the first U.S. company to commit to going 100 percent renewable.

At COP21, the biggest news in the sector came with Monsanto aiming to be carbon-neutral across all operations by 2021 and to produce carbon-neutral or carbon-negative agricultural products. To achieve the latter, Monsanto says it will prioritize innovations for corn and soybeans that enable soils to hold greenhouse gases enough to offset the crops' carbon impact.

"Carbon-neutral corn and soybean production, in the United States alone, has the potential to reduce crop production emissions equivalent to 100 million metric tons of carbon dioxide, which is equal to reducing 233 million barrels of oil consumption per year," the company said.

Monsanto also committed to reduce the carbon output of its pesticides, and to help farmers in its supply chain adopt low carbon farming methods. That includes regenerative farming techniques to use cover crops in off seasons and reduce tilling.

Another notable development comes from technology company Schneider Electric, in the form of a [new rural Internet of things network](#) that will connect more than 4,000 weather sensors across the United States. The company seeks to take the guesswork out of forecasts. It will share the data collected by its WeatherSentry devices with farmers, ranchers and landowners — it already has more than 100,000 agribusiness customers.

Apparel

"We are prepared to be accountable to our pledge." That's an eye-catching closing sentence, and it's how the CEOs of seven household-name clothing companies close [their unified commitment \(download\)](#) to increase clean energy purchased, reduce emissions and work to address climate change at the state, national and global level. Here are the companies they represent: Adidas Group, Burton Snowboards, Eileen Fisher, Gap, H&M, Levi Strauss & Co., and VF Corp.

Levi's is one of [more than 150 major companies](#) with significant U.S. operations that supports the White House-led American Business Act on Climate. A pledge signals



corporate support of President Barack Obama's [Climate Action Plan](#), which calls for "economy side" emissions reductions of 26 percent to 28 percent by 2025.

Construction

The heavy climate impact of skyscrapers, office campuses, apartment buildings and single-family homes is well-documented — inch for inch, they [stack up to 40 percent](#) of all the power consumed in Europe. That was catalyst enough for the new Global Alliance for Buildings and Construction, which includes both government participants (think building codes) and other organizations with a vested interest in green construction. You can think of this as an umbrella group meant to coordinate and build on the initiatives already supported by its members.

On Thursday, a dozen major companies — part of the Prince of Wales' Corporate Leaders Group — announced their [intention to prioritize nearly zero energy building \(nZED\) designs](#) for new facilities. By 2030, they hope to push this philosophy into retrofits for existing offices and manufacturing plants. "Successful deliver of this goal will be accelerated by joint commitments from different parts of the building value chain including architects, designers, landlords, occupiers, contractors, intermediaries, and product and service suppliers," they wrote.

Among those signing this pledge: GlaxoSmithKline, Interface, Lloyds Banking Group, Philips, and Tesco.

[A similar proclamation](#) comes from the World Green Building Council, in the form of a pledge supported by all 74 national councils to retrofit and certify the existing properties under their dominion for [Net Zero status](#) by 2050. That commitment covers roughly 13.5 billion square feet of buildings (double the size of Singapore).

It's tougher to find specific individual [commitments on the commercial side](#). However, one notable declaration comes from France's Bouygues Construction firm, ranked among the world's largest: It has allocated half of its research and development budget to sustainable construction practices and materials.

Sweden's [Skanska](#), an even larger company, has prioritized "Deep Green" projects such as net-zero energy buildings since 2010. [In conjunction with COP21](#), it will scale up those efforts. One of its divisions aims for all of its projects to be Deep Green by 2020, in keeping with the goals of the Corporate Leaders Group (of which it is a part).

FULL STORY: <http://www.greenbiz.com/article/cheat-sheet-industry-specific-cop21-pledges>

Ireland

THE IRISH TIMES

Irish business leaders call for strong COP21 agreement

Companies pledge to take action on climate change, including reducing emissions

Fri, Dec 4, 2015, 09:51 Updated: Fri, Dec 4, 2015, 09:55

Charlie Taylor, [Pamela Newenham](#)



Minister for the Environment Alan Kelly receiving the climate change pledges from Aebhric McGibney, Dublin Chamber of Commerce; Pat Barry, Irish Green Building Council; Brian O'Kennedy, CDP Ireland; Aideen O'Hara, ISI; and Lorraine Fitzgerald, Business in the Community Ireland

Business leaders in Ireland have come together to urge politicians attending the [COP21](#) global summit in Paris to reach a robust agreement on climate change. Approximately 40,000 delegates from 195 countries, along with heads of state such as US President [Barack Obama](#) and his Chinese counterpart Xi Jinping, are attending the UN Climate Change Conference (COP21) summit this week.



The gathering is the first in which some 180 countries, that together account for about 90 per cent of greenhouse gas emissions, have pledged to take action aimed at tackling global warming. However, the pledge is not legally binding and there are fears that the summit could end without a satisfactory outcome being reached that would signal a break with a rising reliance on fossil fuels, blamed by a UN panel of scientists for causing an increase in floods, heat waves and rising sea levels globally.

Some of Ireland's leading companies joined forces on Friday to urge delegates at the gathering to agree to take strong action on climate change.

Senior industry figures here say such a move would enable a smooth transition to a low carbon economy and in the process could lead to the creation of more jobs.

Deloitte Ireland, Marks & Spencer, [Musgrave](#)

[Group](#), [Ricoh](#) Ireland, [Roadbridge](#), [Sodexo](#) Ireland, SSE [Airtricity](#), [Transdev](#) Ireland and [Veolia](#) are among the companies that have signed the 'COP21 Commitment and call for action from Irish Business Leaders' which calls for strong policy and regulatory certainty through a sound global agreement in Paris.

The pledges include action by Irish companies to reduce emissions, increase low-carbon investments and deploy more clean energy in the coming years. The pledges have been collected via a coalition consisting of the CDP Ireland Network 'We Mean Business' Coalition, [Business in the Community](#) Ireland (BITCI), the [Irish Green Building Council](#) (IGBC), Dublin Chamber of Commerce and the International Sustainability & Investment Centre (ISI Centre).

Minister for the Environment [Alan Kelly](#) was presented with the pledges on Friday. He welcomed the commitment from Irish business leaders and said the need to address climate change and reduce harmful emissions had become a priority for Ireland.

<http://www.irishtimes.com/business/irish-business-leaders-call-for-strong-cop21-agreement-1.2454352>

THE IRISH TIMES

Putting people in green houses

We're making progress, but Ireland still needs to change how it thinks about sustainable homes

Sat, Dec 12, 2015, 01:00



Sylvia Thompson



Leading the way: BedZed, a zero-carbon-emission ecovillage in London. Photograph: Gamma-Rapho/Getty

As we digest the warnings and promises from the UN Climate Change Conference in Paris, there is one industry that is poised for major change in Ireland and abroad: construction.

“Every newly built house in Ireland now has to have an A3 BER” – or building energy rating – “under the 2011 building regulations,” says Pat Barry of the [Irish Green Building Council \(igbc.ie\)](http://igbc.ie).

And, although this heralds a new era in green building, the work involved in improving the energy ratings of the 1.7 million existing homes is the other side of the coin.

Some progress has been made through two grant schemes run by the [Sustainable Energy Authority of Ireland \(seai.ie\)](http://seai.ie), Better Energy Communities and Better Energy Warmer Homes, which help to cover the cost of retrofitting insulation, upgrading boilers, installing smart meters and switching to renewable energy, among other fuel-saving measures. There has also been some success because of energy providers’ EU obligations to save energy by working with communities to reduce fuel poverty and improve efficiency.

But there is still a strong sense that Ireland lags behind many other countries in becoming a nation of energy-efficient homes. Last year the [Department of Communications, Energy and Natural Resources](#) published *Better Buildings*, Ireland’s first National Renovation Strategy, for instance, which aims to reduce emissions from the country’s buildings. But it lacks goals, and Ireland is off course to meet the overall EU target of saving 20 per cent of projected energy use by 2020 and 27 per cent by 2030.

Buildings account for about 12 per cent of the Irish greenhouse-gas emissions, and improving buildings’ energy efficiency is one of the cheapest ways to cut that figure.



But to do this, organisations such as the Irish Green Building Council believe, the Government and local authorities must understand the benefits of sustainable housing. “The Department of Health needs to see that decent housing is part of a public-health strategy, that fuel poverty and people attending A&E departments with respiratory problems are linked to poor-quality housing,” Pat Barry says.

And building contractors will need to get to grips with sustainable building methods. “There aren’t enough renovation skills in Ireland. Poor-quality insulation is worse than none at all. For example, it’s critically important that good ventilation is understood by everyone in the building trade,” says Barry.

A hundred builders took part in the council’s three-day **Qualibuild** scheme this year; from next year the EU-funded scheme is open to all builders. And the council has just published an e-book for homeowners, explaining what is required for a house to be properly insulated.

For example, the concept of deep retrofitting – where floors, attics and walls are insulated, boilers upgraded and air-tight doors and windows created – isn’t widely understood in Ireland. “What happens with a shallow retrofit – attic insulation and a new boiler, for example – is that people absorb the extra comfort into their homes with no energy savings,” Barry says.

Another key issue in green building is that of cost. Dún Laoghaire-Rathdown County Council recently decided that all new buildings in its area should meet passive-house standards. This usually means thick insulation, triple-glazed windows, solar-powered hot water, and a heat pump or other form of renewable energy, and it would enable both commercial and residential buildings to dispense with conventional heating systems.

But the Construction Industry Federation has warned that the standard will increase prices, and Nama has urged the council to reconsider the requirement. Supporters of the passive-house standard argue that building costs are not necessarily higher and that money is also saved over a lifetime of tiny heating bills.

Barry says that the passive-house standards are higher than current building regulations but that costs depend on several factors. “Green building shouldn’t cost more if the architect, construction contractor and construction workers are all trained well. It’s down to good design, quality building and quality supervision of work.”

Greener future: Paris zero-carbon pledge

France’s minister for ecology, Ségolène Royal, led the first day dedicated to buildings at the COP21 UN Climate Change Conference in Paris. The message was that “green buildings are possible, healthy and profitable” – and the outcome of the day was that 25 Green Building Councils committed to register, renovate or certify more than 1.25 billion square metres of green building space and train more than 125,000 green-building professionals by 2020.

All 74 national green building councils at the event supported the World Green Building Council’s commitment to achieve net-zero-carbon new building and energy-efficient refurbishment of existing buildings by 2050. A net-zero-carbon building – or net-zero-energy building, known as an NZEB in the trade – is one whose annual energy consumption roughly equals the amount of renewable energy created on the site.

Buildings account for about a third of global emissions, and green buildings are one of the most cost-effective solutions to climate change, partly because it’s cheaper to save energy through more efficient design than it is to produce it differently. The development of materials for green buildings brings jobs to economies, and green buildings have better indoor air quality, leading to more pleasant and healthier living and working environments. Several large construction-material firms, including **Ecocem**, **Kingspan** and **Saint-Gobain**, pledged to reduce emissions, increase low-carbon investments and use more clean energy to tackle climate change.

Such is the growth in the green building sector that green building will account for more than a third of the entire US construction sector by 2018.

<http://www.irishtimes.com/news/environment/putting-people-in-green-houses-1.2463158>

Spain



GBC España asume un decálogo de compromisos para frenar el cambio climático

Viernes, 04 Diciembre 2015



Campaña #BetterBuildGreen

SOSTENIBILIDAD BIOCLIMÁTICA GREENBUILDING GBCE

La campaña **#BetterBuildGreen** tiene como objetivo mostrar al mundo que la edificación sostenible es una de las formas mejores y más rentables para combatir el cambio climático y ayudar al reto de mantener la temperatura global dentro del límite de dos grados.

GBCe quiere impulsar políticas que hagan posible un nuevo sector de la edificación menos contaminante, teniendo en cuenta que los edificios son causantes de un tercio del total de las emisiones que se producen. Por este motivo ha alcanzado los siguientes compromisos:



1. Promover políticas y medidas que contribuyan a la sostenibilidad del sector de la edificación en España.
2. Impulsar las políticas destinadas a la transposición española de la Directiva de Eficiencia Energética 2012/27 / UE:
 - - o En el artículo 4º sobre las estrategias nacionales de renovación a largo plazo a través del Proyecto BUILD UPON (H2020 # 649 727)
 - o En el artículo 5º sobre el papel ejemplar de las administraciones a través del proyecto PARAE, que servirá de guía a la renovación de 355.500m2 de edificios públicos al año.
1. Impulsar las políticas que promuevan edificios de bajo impacto ambiental, en especial en la definición e implementación de NZEB.
2. Facilitar el diálogo entre todos los agentes del sector para crear una comunidad en torno a la edificación sostenible.
3. Jugar un papel dinamizador en el ámbito internacional, sobre todo en el entorno más inmediato, Europa, siguiendo el objetivo que marcó el Congreso WorldSB14 en la Declaración de Barcelona.
4. Trabajar en la reconversión de la industria asociada a la edificación, hacia una economía baja en carbono y de ciclo cerrado o circular.
5. Promover la sensibilización social para que la sociedad en general se familiarice con la edificación sostenible y la eficiencia energética.
6. Medir la huella de carbono que genera la actividad de la asociación, como un indicador más del informe de actividades. Hacerlo público y plantear anualmente un objetivo de reducción. Compensar las emisiones en un proyecto nacional
7. Promover la certificación ambiental, en particular en VERDE GBCe, con un aumento anual del 25% del número de edificios certificados.
8. Promover la educación en la construcción sostenible de forma transversal, en todos los ámbitos de las competencias profesionales, acreditando la formación de más de 2.000 agentes del sector hasta el 2020.

Por primera vez en COP21, la Conferencia de las Partes sobre Cambio Climático de París, la edificación y su papel en la lucha contra el cambio climático tienen un lugar destacado con la celebración del Buildings Day. En este día WorldGBC presenta sus compromisos y los de los 25 Green Building Councils que se han sumado.



Estos compromisos se han hecho públicos en el Día de la Edificación en la reunión oficial de la COP21 liderada por Ségolène Royal, ministra francesa de Medioambiente. La edificación sostenible es una de las mejores soluciones frente al cambio climático, ya que genera beneficios ambientales, económicos y sociales muy significativos.

Terri Wills, directora general del World Green Building Council, ha afirmado: “Green Building Council España está demostrando un liderazgo real en el sector de la edificación sostenible con el lanzamiento de estos ambiciosos compromisos en un momento clave de las negociaciones sobre el cambio climático en París.

“Sabemos cómo construir más grande, pero el desafío es construir más y mejor. Estos compromisos ayudarán a transformar el sector de la edificación sostenible a nivel mundial. Evitaremos el calentamiento superior a dos grados en el día de mañana, pero comenzaremos a percibir sus beneficios desde hoy mismo”.

Compromisos de World Green Building Council

Los compromisos de World Green Building Council se enmarcan en la campaña Better Build Green centrada en la COP21 y el Día de los Edificios. Algunos de los más significativos son:

- Los 74 Green Buildings Councils mundiales apoyan el alto nivel de compromiso de World Green Building Council para lograr edificios de consumo cero y no contaminantes y renovar el parque edificado existente hasta 2050.
- 25 Green Building Councils se comprometen a registrar, renovar o certificar más de 1,25 millones de metros cuadrados de espacio - casi el doble del tamaño de Singapur - y capacitar a más de 127.000 profesionales en construcción sostenible para el año 2020.
- 3 Green Building Councils (Canadá, Australia y Sudáfrica) se comprometan a presentar una Certificación para edificios de consumo nulo.
- 125 miembros de la industria de la edificación ya han asumido estos compromisos, incluyendo el Saint-Gobain, LendLease o la constructora sueca Skanska.

Todos los compromisos alcanzados se pueden consultar [aquí](#).

<http://www.smartbuilding.city/homepage-2/93-empresas/227-gbc-espana-asume-un-decalogo-de-compromisos-para-frenar-el-cambio-climatico>



Singapore

THE STRAITS TIMES

Singapore one of 18 nations to sign building emissions pact

Mr Ang Kian Seng signs the pact for Singapore. PHOTO: DAVID FOGARTY

PUBLISHED

DEC 4, 2015, 4:57 AM SGT

[David Fogarty](#)

Assistant Foreign Editor

PARIS - In Paris, 18 countries and more than 60 organisations announced a pact on Thursday to speed up efforts to cut emissions in the buildings and construction sector.

The sector generates nearly a third of mankind's greenhouse gas emissions and steps such as installing more energy-efficient lighting, better window insulation and smarter air-conditioning controls can cut back on emissions.

Singapore is among the nations that signed up to the Global Alliance for Buildings and Construction. Other members include Indonesia, the United States, Germany, Japan and Sweden.

The Alliance also includes cities, NGOs, companies, financing institutions and industry bodies, such as the International Union of Architects, which represents about 1.3 million architects worldwide, and the World Green Building Council, which represents 27,000 companies involved in the green buildings business worldwide.

Buildings and cities are regarded as crucial areas to cut emissions as urban areas grow, particularly in Asia.

For example, the buildings and construction sector has the potential to avoid about 3.2 billion tonnes of carbon dioxide by 2050 using current technologies, a statement accompanying the launch on the sidelines of climate talks in Paris said.

Reducing the energy used by buildings was one of the most cost-effective strategies for cutting large amounts of greenhouse gases, it added.



The main idea of the alliance is a collaborate exchange of expertise, said Mr Ang Kian Seng, group director, technology development group, at Singapore's Building and Construction Authority, who was one of the signatories to the alliance on Thursday.

"We bring to the table our expertise in the tropics," he told The Straits Times after the launch. "We have been doing green buildings for the past 10 years and we have done pretty decently for buildings in the tropics. So I think there are a lot opportunities for countries as many cities in this region are fast-developing. We need to bring them on a low-carbon path."

He explained that through the alliance, Singapore could share its expertise, particularly through Singapore's annual green buildings conference and to invite some of the alliance members to share experiences, report progress and see how things can improve.

"It's a way to encourage each other to do more," he said.

He also said that the alliance could also open up business opportunities for Singapore firms involved in designing, building and fitting out green buildings.

But delegates at the forum spoke of large amounts of financing needed to invest in building new green buildings or retrofitting older ones.

"This transformation requires investing around an additional US\$220 billion (S\$310 billion) by 2020 – an almost 50 per cent increase on 2014 investment in energy efficient buildings," the statement said.

Delegates said carbon markets, green bonds and other financing initiatives can all help bridge the financing gap. They also spoke of the premium that green buildings attract in rentals and improved working environments through better lighting, more efficient airconditioning controls and other steps.

<http://www.straitstimes.com/world/europe/singapore-one-of-18-nations-to-sign-building-emissions-pact>



First ever 'Buildings Day': Green buildings scale up

Green building advocates at COP21 have formed a global alliance to help countries meet their climate commitments and promise to certify more green buildings, equivalent to twice the size of Singapore.



Singapore is one of 18 countries which have signed up to the Global Alliance for Buildings and Construction launched at the COP21 in Paris. [Image: Shutterstock](#)

By [Medilyn Manibo](#)

Monday 7 December 2015

More than a hundred business groups from the construction and buildings sector have unveiled ambitious plans to expand the green building movement around the world and certify about 1.25 billion square metres of space, an area nearly twice the land mass of Singapore.

Industry leaders and members of national green building councils made the announcement on the first ever Buildings Day at COP21 in Paris on Thursday, and pledged to speed up initiatives to cut greenhouse gas emissions in the industry over the next five years.

The group, led by the World Green Building Council (WGBC), presented a collective commitment from 24 national green building councils worldwide, including several in Asia Pacific such as India, Hong Kong, Singapore and Australia.



They committed to advance green building initiatives such as “net zero carbon” for new buildings, energy efficiency and retrofitting existing buildings by 2050, the group said on its COP21 campaign website [Better Build Green](#).

They also joined the Global Alliance for Buildings and Construction, a global pact which aims to help governments meet their national emissions targets or Intended Nationally Determined Contributions (INDCs).

The alliance will have members from 18 national governments, as well as cities and various industry bodies including the WGBC’s 74 national green building councils with about 27,000 corporate members. Four Asian countries - Singapore, Indonesia, Japan and Vietnam - have signed up.

Terri Wills, the chief executive of WGBC, said in a statement that the initiative is a “turning point in history”.

“While the building sector is a major contributor to climate change, it is an essential part of the solution – and one that brings immediate benefits to economy and society,” she said.

Experts say about a third of global carbon emissions come from the buildings sector. If the building industry were to make a difference, it must reduce emissions by 84 gigatonnes by 2020. This is equivalent to emissions from about 22,000 coal power plants.

Certified green buildings currently occupy only about 3.5 billion square feet (or 325.2 million square metres) worldwide, according to researchers.

“Committing to an area of green buildings twice the size of Singapore over the next five years is just the start – in 10 to 15 years’ time this action will catalyse a green building revolution which will see sustainable buildings become the norm,” Wills said.

<http://www.eco-business.com/news/first-ever-buildings-day-green-buildings-scale-up>



Australia



Buildings Day: GBCA commits to net zero certification

Cameron Jewell | 4 December 2015

The Green Building Council of Australia will introduce net zero certification for buildings from 2016, it has announced as part of the inaugural Buildings Day at COP 21 in Paris. The GBCA also said it would push for increased minimum energy efficiency standards in the Building Code of Australia.

GBCA chief executive Romilly Madew said the council would introduce a new label in 2016 to recognise buildings that achieve “net zero” impact in energy, carbon and water. The council joins Canada and South Africa in pledging to introduce labelling to move the industry towards net zero new buildings.

“This new label will also recognise buildings that go beyond net zero to make positive contributions to the environment, such as generating more renewable energy than is consumed,” Ms Madew says.

“Alongside this label, we will introduce an advanced curriculum to educate professionals on how to deliver net zero buildings, promote net zero as an achievable goal in our events, and create resources that can be used internationally to drive the uptake of net zero building worldwide.”

Ms Madew said the Australian property sector was already a world leader, with benchmarks like GRESB as proof, but could go even further.

“Our next challenge is to embrace a net zero philosophy,” she said. “The GBCA’s vision is to recognise and reward projects that make a positive contribution to the environment.”

The GBCA also committed to working with local, state and federal governments to develop policies and initiatives that will lead to greener buildings, communities and cities – including working “to improve regulations to increase the energy efficiency requirements in the Building Code of Australia”.

The council said it would also work with industry to:

- Create a mid-tier commercial office pathway to eliminate barriers to improving energy efficiency in existing buildings
- Promote a pathway to maximise the use of renewable energy use in buildings



- Create a minimum standard that addresses additional water, waste and health provisions that can be used by local authorities to mandate minimum sustainability compliance by all buildings

WorldGBC announces commitment to expand green building

COP 21 has been host to the first-ever Buildings Day this year, created to acknowledge that buildings account for around a third of the world's emissions, and that green building is one of the most cost-effective ways to tackle climate change.

At a Buildings Day event, the World Green Building Council announced that 25 green building councils around the world had committed to certifying 1.25 billion square metres of building space – double the size of Singapore – over the next five years.

“Today marks a turning point in history,” WorldGBC chief executive Terri Willis said.

“While the building sector is a major contributor to climate change, it is an essential part of the solution – and one that brings immediate benefits to economy and society.

“Green Building Councils, their private sector members and government partners have committed to transform the global buildings industry to not only help us reach a 2°C world tomorrow, but enable us to realise the direct benefits from a new way of building – today.”

Ms Willis said that the green building expansion commitment was just the start, and that in 10-15 years' time, a “green building revolution” will see sustainable buildings as standard.

Other commitments made included all 74 national Green Building Councils supporting moves to go net zero by 2050, and 125 corporate members, including Australia's Lendlease, making specific commitments.

Lendlease said it had “committed to developing to the highest two certifications in the geographies [it] operate[s] in, and deliver two major global community-scale developments that are net positive by 2020”.

Launch of Global Alliance for Buildings and Construction

Buildings Day also saw the launch of a new alliance of 18 countries and over 60 organisations, known as the Global Alliance for Buildings and Construction, including the WorldGBC, its 74 Green Building Councils and their 27,000 member companies.

The alliance committed to help countries meet their Intended Nationally Determined Contributions (INDCs) through green building. Actions will include:

- minimising energy demand
- greening the construction value chain
- integrating renewables through district energy
- implementing integrated building design and urban planning
- engaging financing institutions



The CRC for Low Carbon Living has also signed on to the alliance, which was described as “a significant outcome” by CRCLCL representative Dr Peter Graham, executive director of the Global Buildings Performance Network and leader of the CRCLCL’s Swinburne University Node of Excellence for Smart Low Carbon Built Environments in Melbourne.

“The building and construction sector is responsible for 30 per cent of global carbon emissions, which could reach 50 per cent by 2050 if nothing is done,” Dr Graham said.

“In Australia, the sector contributes 23 per cent of our overall carbon emissions so the formation of this global alliance is a breakthrough. Importantly, the CRCLCL’s expertise through its many research and industry partnership projects means it plays a key role in helping reduce Australia’s emissions.

“It is also important to point out that this is the first time the COP has introduced an action agenda on the building sector through the Buildings Day meeting, giving us a chance to collaborate on research, policy and action at an international level.”

<http://www.thefifthstate.com.au/innovation/building-construction/buildings-day-gbca-commits-to-net-zero-certification/79251>



India

Business Standard

IGBC commits 10 bn sq feet green building footprint by 2022

Press Trust of India | New Delhi December 3, 2015 Last Updated at 21:03 IST

Indian Green Building Council (IGBC), part of the industry body CII, today committed to facilitate 10 billion square feet of registered green building footprint by 2022 at COP21 Paris.

IGBC made the commitment at the ongoing COP21 meeting in Paris. The meeting 'Building Day' was led by French Minister of Ecology Segolene Royal.

Buildings currently account for around one third of global emissions. But green building is one of the most cost-effective solutions to climate change, which generates significant environmental, economic and societal benefits.

"IGBC has made a commitment to facilitate 10 billion square feet of registered green building footprint through voluntary industry-led initiatives by 2022 at COP21 in Paris today," an official statement said.

A total of 20 green building councils from around the world unveiled their national commitments to transform the sustainability of their buildings to reduce greenhouse gas emissions and ensure that the building and construction industry plays its part in limiting global warming to 2 degree celsius, it said.

World Green Building Council CEO Terri Wills said, "We know how to build bigger and bigger. The challenge is to build bigger and better. And it is commitments like these that will help to transform the global buildings industry so that not only is a 2 degree celsius world possible tomorrow, but we can realise the benefits from this new way of building - today.

http://www.business-standard.com/article/pti-stories/igbc-commits-10-bn-sq-feet-green-building-footprint-by-2022-115120301297_1.html



Canada



Canada Green Building Council pledges to battle climate change

ASSOCIATIONS

by **DCN NEWS SERVICES** Dec 4, 2015

OTTAWA—The Canada Green Building Council (CaGBC) is making four new commitments to help fight back against climate change in Canada. The announcement was made as leaders from around the world gathered for the COP 21 Climate Change Conference in Paris.

The CaGBC is committing to:

- supporting the industry to move toward the wide adoption of net zero building in Canada. Part of this commitment means working towards bringing net zero rating verification to Canada;
- launching actions to increase investment in green buildings across Canada;
- working with Canada's federal, provincial and municipal leaders to support the development of green building and sustainability policies across Canada; and
- working with CaGBC members and stakeholders to set and report against ambitious targets and action plans that will contribute to COP 21 goals.

"By greening the building stock across the country, we have reduced an estimated 822,731 CO₂E tonnes of greenhouse gas emissions, equivalent to taking over 155,000 cars off the road for a year," says Thomas Mueller, president and CEO of the CaGBC, in a statement.

The CaGBC also has reason to celebrate, with the 1,000th certified project in Ontario and the 175th Platinum certified project in Canada reaching completion recently. The country has the second highest number of LEED certified buildings in the world and the highest number per capita.

"Both achievements demonstrate Canada's building industry is adopting green building practices across their portfolios, and pushing their environmental performance beyond the status quo," explains the release.

LEED certified projects are represented in all corners of the country for all building types, CaGBC states. Some of the key projects that have certified recently include:

- The TD Centre, in Toronto's financial district, which has now earned LEED Platinum certification for all six of its towers, making it one of the largest LEED Platinum certified properties in North America. The 4.5-million-square-foot centre, which was built in 1967, achieved this feat through a



number of initiatives, including its Occupant Engagement Program that encourages its 21,000 tenants to help meet progressive consumption targets;

- The West Don Lands at 585 King Street East, 40 Lower River Street and 45 St. Lawrence Street in Toronto. Certified LEED Gold and located on a 0.7 hectare brownfield site, this project consists of 243 affordable housing units and includes four fully accessible and barrier-free units, large multipurpose rooms and green roofs;
- The Sun Life Financial Tower at 150 King Street West in Toronto. This project earned a LEED Gold Existing Building Recertification, making it one of the first office towers to do so. Additions to the project that contributed to this achievement include conducting ongoing air quality audits and implementing a green cleaning policy.
- The new STGM Architects head office, in Quebec City, which certified LEED Platinum. It did so through its sustainability measures, which included ample access to fresh air, with the longitudinal shape of the building capable of opening laterally, creating a natural and effective form of cross ventilation. Mechanical systems were designed to cool and heat effectively at the same time and in different areas of the building.

Dec 4, 2015

<http://dailycommercialnews.com/Associations/News/2015/12/Canada-Green-Building-Council-pledges-to-battle-climate-change-1011957W/>

South Africa



Dec 3, 2015

Zweli Sikhakhane



The Green Building Council South Africa (GBCSA) has made an ambitious commitment to introduce a net zero/positive building certification scheme by 2020 and six more meaningful goals, at COP21 in Paris today, 3 December 2015.

A total of 25 Green Building Councils from around the world unveiled national commitments to transform the sustainability of their buildings to reduce greenhouse gas emissions and ensure that the building and construction industry plays its part in limiting global warming to 2 degrees.

Buildings currently account for around one third of global emissions. But green building is one of the most cost-effective solutions to climate change, which generates significant environmental, economic and societal benefits.

Brian Wilkinson, Green Building Council South Africa Chief Executive Officer explains its commitment to introduce a Net Zero/Positive building certification will cover energy and carbon emissions, and possibly also cover water and waste. It will leverage and be built upon the GBCSA's current Green Star SA and Energy Water Performance certification schemes that already can assess whether a building is water or energy neutral or positive. However, it will also allow for specific recognition and acknowledgment of this net zero/positive aspect only, so as to elevate its importance.

GBCSA also committed to six further significant goals by 2020 include:

1. To secure statements of commitment in respect of the green building principles and practices for 60% of 50 of the leading and largest property owners in the country.
2. To target 2 500 commercial green building certifications, representing around 10 million square metres of gross building area



3. A target of 10 000 residential green building certified homes
4. A target of 12 000 professionals to be trained in green building principles and practices.
5. 10% of local government staff to be trained in green building principles and practices.
6. Inspiring and assisting fellow African national to establish and capacitate GBCs in their countries by providing support with rating tools, training, and so forth, with a target of five more established African GBCs.

The commitments were made at Buildings Day – the official COP21 meeting led by Ségolène Royal, the French Minister of Ecology and former presidential candidate.

“The Green Building Council South Africa is demonstrating real leadership on green buildings by launching its ambitious commitments at these critical climate change negotiations in Paris,” says Terri Wills, World Green Building Council Chief Executive Officer.

“We know how to build bigger and bigger. The challenge is to build bigger and better. And it is commitments like these that will help to transform the global buildings industry so that not only is a 2 degree world possible tomorrow, but we can realise the benefits from this new way of building today.”

The GBCSA has an extensive member base of over 1,300 member organisations each represented by thousands of individuals who have become activators and implementers of green building, in both the private and public sector. The GBCSA exists to transform the way the built environment is designed, constructed and operated, to be environmentally sustainable. This includes a critical focus on radically reducing harmful emissions resulting from building practices.

<http://www.biznisafrica.co.za/green-building-council-south-africa-commits-net-zero-certification-for-buildings-at-cop21>



UAE



Emirates Green Building Council commits to support UAE's climate change goals at COP21 Paris

Published December 9th, 2015 - 07:19 GMT

Emirates Green Building Council (EmiratesGBC) has made an ambitious commitment to support the UAE's efforts to fight climate change through green buildings at COP21 in Paris.

EmiratesGBC has committed to work closely with the UAE's government entities as a key partner in the development and implementation of sustainable building initiatives and support for regulations. It will also accelerate the adoption of best practices by sharing exemplar performance in sustainable buildings and acting as a focal point between industry, academia and government.

Saeed Al Abbar, Chairman of EmiratesGBC, who attended COP21 as part of the UAE delegation, said: "As an independent forum promoting energy efficiency and green building practices, we pledge to support the UAE government strategies and goals for national development within the UAE Vision 2021, the 'Green Growth Strategy' and the UAE Intended Nationally Determined Contribution (INDC) submission to COP21 to increase clean energy to 24 per cent of the total energy mix by 2021."

Mr. Al Abbar also took part in a side event on 'Research & Capacity Building in Energy Efficiency and Green Buildings: Euro-Mediterranean Initiatives' and a panel discussion on 'Conservations on needs and available solutions.'

EmiratesGBC has invited its corporate members and partners to make their 'Climate Pledge', which will take the form of targets and associated action plans. The Council will support their members in achieving these commitments through multiple platforms.

DSA Architects International, one of EmiratesGBC members, has already taken the pledge to "reducing our paper wastage by 40 per cent within our practice along with our partners and clients by 2021. This will take the form of relying on soft copy documentations and BIM, along with using recycled paper for presentation and print material when needed. We are also committed to developing and sharing knowledge to deliver a zero carbon built environment, while supporting and demonstrating the environmental and economic benefits of sustainable buildings and low carbon retrofitting to our clients."

PeoPla Green Technologies has pledged to "supply the most sustainable and innovative technologies that will contribute towards meeting UAE 2021 vision targets of 24 per cent – clean energy contribution



and 90 per cent – air quality Index. By 2020, we will educate 15,000 construction professionals and engineering students in sustainability and green building practices all over the UAE in alignment with our mission – to educate people today, to create a sustainable planet for tomorrow.’

CH2M has pledged to reduce [its carbon footprint by 25 per cent](#) by 2017 starting from a baseline year in 2012. Inspired by the creative ways its clients and partners are committed to creating a healthy and vibrant economy, society and environment for future generations, it will also establish a 5 per cent annual reduction commitment and urge other companies and organisations to join in.

Griffin Consultants has pledged to “dedicating one day per month over the next five years of pro bono time for educational initiatives and other industry efforts that tackle the climate change and energy reduction causes. We also commit to influencing our clients and customers to reduce the use of resources by demonstrating and proposing innovative and financially attractive solutions to sustainable design and construction.”

Al Abbar added: “We will serve our members by measuring and verifying their pledges to support the UAE INDC commitment. Ideally, their targets will be in line with a reporting framework that ensures accountability and enables measurement by EmiratesGBC and we will be able to support their pledges through our activities and programmes.”

A total of 20 Green Building Councils from around the world unveiled national commitments to transform the sustainability of their buildings to reduce greenhouse gas emissions and ensure that the building and construction industry plays its part in limiting global warming to 2 degrees.

Buildings currently account for around one third of global emissions. But green building is one of the most cost-effective solutions to climate change, which generates significant environmental, economic and societal benefits.

The commitments were made at Buildings Day - the official COP21 meeting led by Ségolène Royal, the French Minister of Ecology and former presidential candidate.

Terri Wills, CEO of the World Green Building Council, said: “WorldGBC is delighted to see the leadership demonstrated by the Emirates Green Building Council in supporting their members with accountable and transparent climate pledges, as well as by making a firm commitment of their own to support the UAE’s ambitious INDC for the COP21 in Paris. As an initiating partner of the first ever Buildings Day at COP21, the WorldGBC network of Green Building Councils and its www.BetterBuildGreen.org campaign are showing the world that not only had we better build green to combat climate change, but we are better off when we do.”

<http://www.albawaba.com/business/pr/emirates-green-building-council-commits-support-uae%E2%80%99s-climate-change-goals-cop21-paris-7>



Tanzania

The Guardian, 7 November 2015



National Housing Corporation director general Nehemia Kyondo Mhechu (2nd-L) is updated by Kishor Hirani, an engineer with Estim Construction Company, when he toured the corporation's Kawe Beach 711 development project in Dar es Salaam yesterday. (Photo: Mpokei Bukuku)

Dar port logistics now online

By Guardian Reporter

CLEARING and forwarding of key documents at the port of Dar es Salaam will as of next week Monday (30 Nov) be exclusively electronic.

The affected documents include the Tanzania Single Administrative Document (TANSAD), Delivery Orders, Bills of Lading, Tax Identification Number (TIN) and VAT Registration Number (VRN) certificates.

Making the announcement yesterday in Dar es Salaam, Acting Director of Information and Communication Technology (ICT) Department at the Tanzania Ports Authority (TPA) Kilian Chale said clearing and forwarding agents will not even be required to present hard copies during cargo collection at the port delivery points.

"Immediately after obtaining hard copies of all

documents from the Tanzania Revenue Authority, clearing and forwarding agents will be required to scan and send the soft copy," detailed the ICT expert.

He said the scanned documents are to be sent via the Integrated Electronic Payment System (IePS) accessed on the site www.papayments.com

"This is in alignment with the TPA initiatives to increase port efficiency and expediting cargo clearance processes," he added.

Clarifying, Chale said that it is the same IePS account used for TPA invoice payment related information that will be used for online submission of those documents.

"To register with IePS system, all agents should visit the TPA revenue offices at Dar es Salaam port where username and password will be issued and used during the logging-in process," Chale explained.

On his part, the Acting

Communications Manager at TPA, Janeth Kuzangi said the aim of the new system is to increase the spread of cargo clearing at the port.

"We are now operating 24/7, this arrangement will increase efficiency at our port," she said.

The new e-payment system started being operational on 14th July this year.

The invoice preparation for port charges normally starts immediately after TPA has received relevant supporting documents, followed by internal electronic verification and authentication of the documents in collaboration with other authorities.

TPA has been working to strengthen its e-payment system by involving more mobile telephone companies, banks and other providers such as Safcom Wireless and MaxMalipo. The new system also seeks to implement Big Results Now (BRN) initiative and reduce operational costs.

Tanzania council commits to green building ahead of Paris climate summit

By Guardian Reporter

THE Tanzania Green Building Council (TZGBC) has asserted its commitment to the green building agenda as part of a global initiative to combat the effects of climate change.

The assertion comes but days ahead of next week's (Dec 3) Conference of Parties (COP), COP21 in Paris, France.

Place, the first certified green building in Tanzania, Vice President of Tanzania Green Building Council (TZGBC) Farizan d'Avareze de Morn said, "as a nation and together with all our partners in the built environment, we will work together to realise our commitment. It is not impossible."

"We should and we must come together as one and make the rightful change, for our community, nation and spearhead this positive

Seconding the commitment, the Director of Innovation for National Housing Corporation (NHC) Peter Issack expressed confidence in green buildings as a key aspect to mitigating climate change.

"We strongly believe green building values provide good quality building whilst reducing environmental impact," he said.

"Green building should and must be made affordable to all and its benefit ranging

realised in all our projects," he urged.

"We are committed to this cause, mitigating climate change through green building as part of our agenda in this transformative process within the built environment," added the NHC Director of Innovation.

The National Housing Corporation (NHC) is a partner member of Tanzania Green Building Council and advocates green building throughout its development

NHC real estate portfolio.

Next week, 3rd December, in Paris, COP21, come together with all nations to discuss on climate change and among the focus will be buildings in recognition of the fact that buildings consume a high amount of environmental resources, energy, water and materials.

Tanzania Green Building Council (TZGBC) advocates green building to decrease energy, water consumption and limit negative

global agenda of green building TZGBC and partners have made several commitments.

Among the commitments made is to certify 330,000m² of green building within the next 5 years, under value chain transformation and to work with financial institutions such as banks to provide preferential rates to green buildings and energy efficient projects.

TZGBC has led Tanzania's transformation to a green

of green buildings across East Africa ranging from residential, commercial, to affordable housing.

To achieve this, the council uses a set of tool including but not limited to efficient communication focused on raising awareness through various initiatives and engagements to make more visible the opportunities and impacts available in the green building sector.

They also work on defining sectoral goals and

council also reaches out through various collaborations to further policies and market transformations toward climate neutrality, sharing technology and knowhow and efficient financing and funding.

TZGBC also offers programmes for local adapt on solutions that firmly put the building sector on a path to below 2 degrees, efficiency of building system, mainstreaming low GHG

SOCIAL MEDIA

Below is a selection of tweets from Buildings Day. Architecture 2030 also compiled a Storify of activity [here](#).

 **Ségolène Royal** @RoyalSegolene · Dec 4

Création aujourd'hui de l'alliance mondiale Bâtiment et construction pour le climat #COP21 🌿 #BuildingsDay



119 80

 **Terri Wills** @terriwills1010 · Dec 3

@WorldGBC Corp Advisory Board member @I_AIZubi @majidalfuttaim justifies ROI of #greenbuilding working with GBCs





Roger Platt @rogerplattusgbc · Dec 3

Fantastic 5 @WorldGBC #buildingsday @COP21 #usgbc #betterbuildgreen



GBCSA @GBCSA - Dec 4

It's Building Day at #COP21 🌱 inspiring a collective movement to #betterbuildgreen @WorldGBC ow.ly/Vqcja



Towards a Global Alliance
for Buildings and Construction
BUILDINGS DAY
At COP 21
3 December 2015



Saint-Gobain @saintgobain · Dec 4

#COP21 🌱 Is the building sector ready for massive deployment of low emitting buildings & deep renovations? #SaintGobain



 **Saint-Gobain** @saintgobain · Dec 4
Saint-Gobain is 350 year old & believes in a greener world for the 350 coming years #saintgobain350 #BuildingsDay #betterbuildgreen #COP21 🌱

👤 3 ❤️ 5 ⋮

 **GBC España** @GBCEs · Dec 4
#COPprometidos #betterbuildgreen: Una renovación profunda de parque de viviendas = 4mil millones de barriles de petróleo/año. #BuildingsDay

👤 7 ❤️ 3 ⋮

 **UN Environment** @UNEP · Dec 4
#LPAA panel on greening buildings sector convenes architects, govt & industry leaders working on solutions #COP21 🌱

👤 You and LPAA Live





WorldGBC @WorldGBC - Dec 4

Launch of the Global Alliance for Buildings and Construction, with @RoyalSegolene and our CEO @terriwills1010



WorldGBC @WorldGBC - Dec 4

"Green buildings are technically feasible & financially viable," says Mr Raghupathy of @IGBCOnline #betterbuildgreen



Green Buildings Make Good Business Sense

- Green Building Movement in India
 - 20,000 Sq.ft in 2003: 3.14 Billion Sq.ft in 2015
 - 2nd largest green building footprint in the world
- 13 IGBC Green Building Rating Systems
 - National by Choice- Global in Performance
 - Holistic in Nature
- Good Business Sense
 - Energy savings: 30 – 50 %
 - Water savings: 20 – 30 %
 - Productivity increase: 10- 15 %
 - Incremental cost : 3 %
 - Payback: 2-3 years

Push & Pull Strategy: Government - Private sector complementing each other

#betterbuildgreen

 Irish GrnBldgCouncil @IrishGBC · Dec 4
· @AlexWhiteTD on the role buildings can play in tackling #climatechange
#COP21 🌿 #BuildingsDay #betterbuildgreen



WorldGBC Europe @WorldGBC_Europe
Ireland's Minister White on how they are leading and working with @IrishGBC #BuildingsDay #COP21 🌿

↩️ ↻ 4 ❤️ 4 ⋮



Julie Hirigoyen @JHirigoyen · Dec 3
Enduser wants healthy green house that will save money and be healthy - developers job is to give them that!
@I_AIZubi #COP21 🌿 #BuildingsDay

↩️ ↻ 4 ❤️ 5 ⋮



Ibrahim Al Zu'bi @I_AIZubi · Dec 4
Press celebrating signing commitment of global buildings alliance @COP21
@RoyalSegolene @ec_minister @WorldGBC



PHOTOS

Below is a selection of photos from Buildings Day and other COP21 side events in Paris.



Mr Raghu Pathy (far left), Executive Director of India Green Building Council, speaks at an IEA event on energy efficiency and prosperity in emerging economies, on 1 December.



Brian Wilkinson (far left), CEO of Green Building Council South Africa, speaks at the same IEA event on 1 December.



Terri Wills (far right) moderates the Buildings Day panel on value chain transformation with (L-R) Pierre-André de Chalendar, CEO, Saint Gobain, Eric Olsen, CEO Lafarge Holcim, Sangeeta Prasad, CEO, Integrated Cities and Industrial Clusters at Mahindra Lifespace Developers, Dr Thani Al-Zeyoudi, Director of Energy and Climate Change, UAE, and Esa Mohamed, President, International Union of Architects.



Ségolène Royal, French Minister of Ecology, (far right) addresses journalists at the Buildings Day press conference.



Ed Mazria, CEO of Architecture 2030, opens the first session at Buildings Day.



Terri Wills on a French speaking panel with renowned architect Jean Nouvel at the SIMI 2015 event, organised by France GBC, on 2 December.



Terri Wills speaks on a panel at the Architecture 2030 “Zero by 2050” event, with Farhana Yamin, CEO of Track 0 (second from left), and Rachel Kyte, Vice President of the World Bank Group (far left), in Paris on 9 December.



Saeed Al Abbar, Chairman of the Emirates Green Building Council (fourth from left), speaks at an OECD event on district energy and buildings efficiency in Paris on 5 December.



Roger Platt, President of the US Green Building Council, speaks at a US Center event in Paris on 5 December.

BETTER BUILD GREEN

WorldGBC launched the Better Build Green campaign at its annual Congress in Hong Kong in October. Since then, we've been delighted by the number of Green Building Councils and members who have supported the campaign on social media, through events, speeches and presentations, and GBCs which used and adapted the range of design materials. Here, we showcase how different countries around the world have put their weight behind the campaign.

Australia



Emirates



France



Malaysia

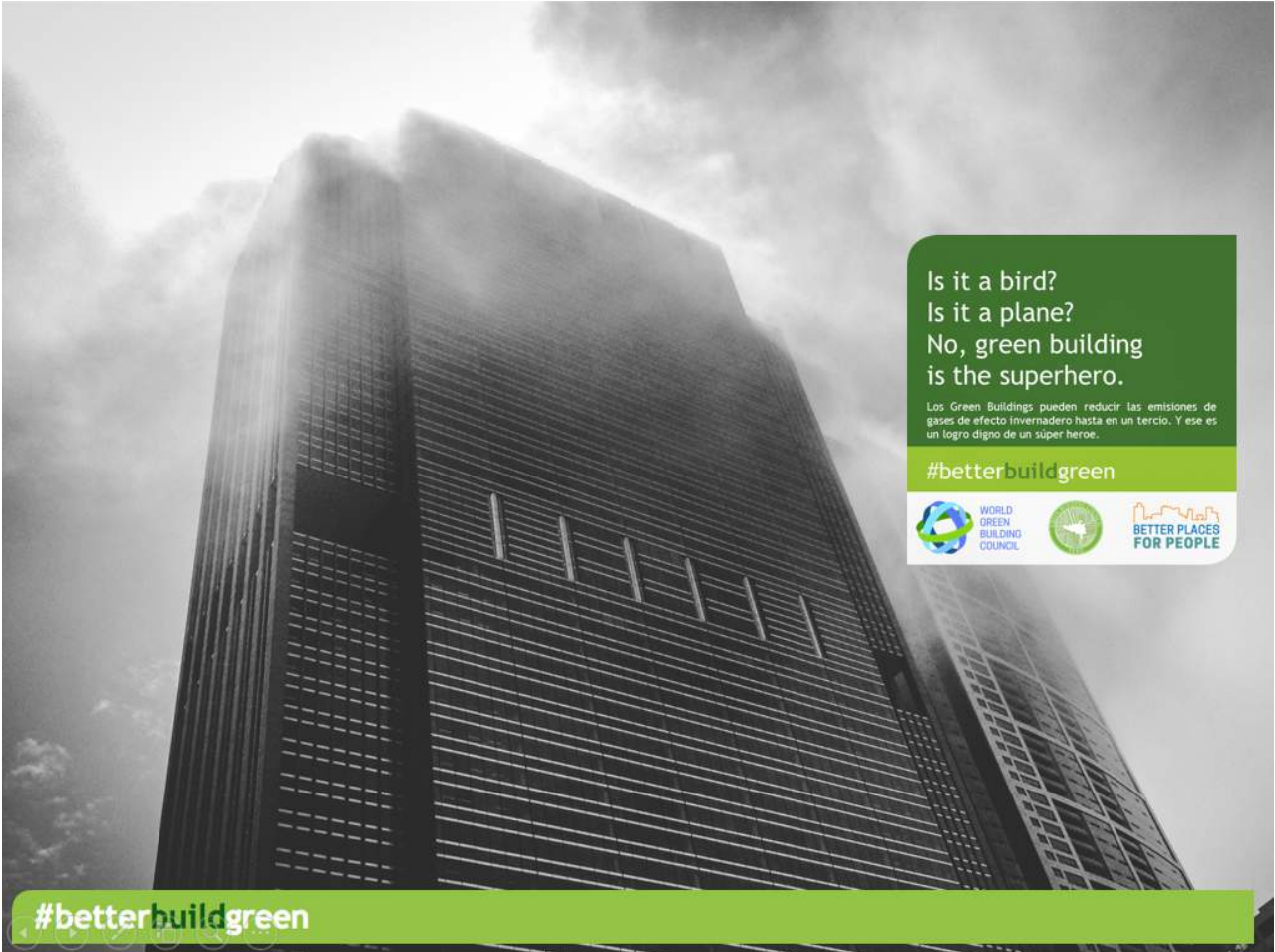




Nigeria



Peru



Poland



South Africa



Turkey





United Kingdom



Saint-Gobain (stand at COP21, Paris)





Skanska (Atrium 2 site, Warsaw, Poland)





WORLD
GREEN
BUILDING
COUNCIL

The main reason people like green buildings is because green buildings like people.

Green buildings with fresh air, daylight and views of nature make people happier. A good thing as we spend 90% of our time inside.

#betterbuildgreen



WORLD GREEN BUILDING COUNCIL



SKANSKA

Shaw Contract Group

We know how to build bigger and bigger. The challenge is to build bigger and better.

Cities are growing fast. In the next 30 years, the built environment will double in size. Let's make it green - better for people and the planet.

#betterbuildgreen



WORLD GREEN BUILDING COUNCIL

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BUILDINGS DAY AGENDAS



LPAA Buildings Action Session 03 December 2015 15:00-18:15 Le Bourget

Overall narrative for session: The building sector has an oversized environmental footprint, yet significant opportunities exist to change and to meet the challenges of climate change. How can building sector stakeholders collaborate to better share information and knowledge, develop and share solutions generated by governments, businesses and civil society, and facilitate greater scale of actions to help transform the building sector and contribute to the 2 degree path?

15h00- 15h15 Welcome and Keynote address

- **Ms. Segolène Royal, Minister of Ecology, Sustainable Development and Energy, Government of France (confirmed)**
- **Mr. Ibrahim Thiaw, Deputy Executive Director, UNEP (confirmed)**

15h15-15h25:

- EA Current global situation, Philippe Benoit, Head, Energy Efficiency and Environment Division, International Energy Agency (confirmed)
- Overall Moderator: Summarizing green zone, stakes and opportunities, how do we upscale action? Video introduction (5 min) Introduction: The Building Sector in National Climate Strategies
- Mr. Mehmet Kaplan, Minister for Housing, Urban Development and Information Technology, Sweden (confirmed)
- Dr. Luong Quang Huy, Director GHG and Low Carbon Economy, Ministry of Natural Resources and Environment, Vietnam (confirmed)

15h40-16h25 Public Policies : Readiness to implement long term action plans

Moderated by Ms. Ligia Noronha (UNEP) this panel will address the key role of jurisdictions to organize and facilitate by integrated policy package and collaborative approach the shift to low carbon and resilient build environment.

- o Ms. Hannele Pokka, Permanent Secretary, Ministry of the Environment of Finland (confirmed)
- o Mayor Hanna Gronkiewicz-Waltz, City of Warsaw (confirmed) o Mr. Lars Tveen, CEO, Danfoss Heating (SE4All Accelerator Platform)
- o Acting Secretary Joyceline Goco, Climate Change Commission, Office of the



President, The Philippines (confirmed)

Dr. Karsten Sach, Deputy Director General, European and International Policy, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (confirmed)

o Dr. Joan Clos- Executive Director, UN-HABITAT (confirmed) o Dr. Ajay Mathur, Bureau of Energy Efficiency, India (confirmed)

16h25-17h05: Value Chain Transformation: is the building sector ready for massive deployment of low emitting buildings and deep renovations? Moderated by Ms. Terri Wills (WorldGBC) This panel will address how building sector stakeholders can better work together to scale up solutions adapted to local circumstances

Introduction: INDCs, buildings and implementation of regional guidelines, Mr. Abdoulaye Baldé, Minister of the Environment and Sustainable Development, Senegal (confirmed)

- o Mr. Pierre-Andre Chalendar, CEO, Saint-Gobain (World Green Building Council) (confirmed)
- o Mr. Eric Olsen, CEO, Lafarge Holcim (World Business Council for Sustainable Development) (confirmed)
- o Ms. Sangeeta Prasad, Chief Executive Officer, Integrated Cities & Industrial Clusters, Mahindra (confirmed)
- o Dr. Thani Ahmed Al Zeyoudi, Director of Climate Change and Energy, United Arab Emirates, (confirmed)
- o Mr. Esa Mohamed, President, International Union of Architects (confirmed)

17h05-17h45 Bridging the investment gap: finance ready to increase investment in Building efficiency?

Moderated by Mr. Peter Sweatman (Climate Strategy and Partners), this finance panel will address the critical need to scale up the public and private financing of EE and sustainable buildings. Panelists will illustrate why buildings and EE can contribute to realizing countries' INDCs and how the financial sector can help support them.

Introduction: Integrating Building Policies in City and National Actions, Ms. Maria Paloma Silva, General Director, National Housing Commission (CONAVI) Government of Mexico (tbc)

- o Ms. Yuko Nishida, Cap and Trade System Program Director, Tokyo Metropolitan Government (confirmed)
- o Ms. Tatiana Bosteels, Head of Responsible Property Investment, Hermes Real Estate (confirmed)
- o Mr. Richard Kooloos, Director Sustainable Development, ABN AMRO (confirmed)
- o Mr. Martin Brühl, President, RICS (confirmed) o Mr. Laurence Breton-Moyet, Operations Executive Officer, AFD (confirmed) o Representative, Green Climate Fund (GCF) o Dr. Naoko Ishii, CEO & Chairperson, The Global Environment Facility (GEF)
- o Mr. Adrian Joyce, Secretary General, European Alliance of Companies for Energy Efficiency in Buildings (confirmed)

Summary and Way Forward o Mr. Mohammed Nabil Benabdallah, Minister of Housing and Cities, Morocco (confirmed)

Announcement for the launching of the Alliance: all members on stage for a signature event convened by:

- o Mr. Ibrahim Thiaw, Deputy Executive Director and Assistant Secretary-General of the United Nations, UNEP



- o Mr. Mohammed Nabil Benabdallah, Minister of Housing and Cities, Morocco
- o Ms. Ségolène Royal, Minister of Ecology, Sustainable Development and Energy, France



Buildings Day at COP 21

Mobilizing the Building and Construction Sector for Climate Action

03 DECEMBER 2015 INNOVATIONS GALLERY (10:00-14:15)

IN INNOVATIONS GALLERY: A Focus on Solutions

The Innovations Gallery space is sponsored by the Climate Technology Centre and Network (CTCN)

10:00 Opening --Master of Ceremonies – Mr. Arab Hoballah, Head of Sustainable Cities, Lifestyles and Industry, UNEP

Welcome and Introductions-- Mr. Jukka Uosukainen, CTCN Director (confirmed)

10:15-10:30 **Keynote Address (tbc)**

10:30-11:40 Session A – Goals and Solutions: The Building Sector's <math><2^{\circ}\text{C}</math> degrees pathways

Moderated By: Ms. Sandrine Dixson-Declève– CISL/Prince of Wales Corporate Leaders Group (confirmed)

- **PRESENTATION (10 minutes): The 2 degree path for the Building Sector, Mr. Ed Mazria, A2030 (confirmed)**
 - Ms. Marcene Broadwater, Global Head, Climate Strategy and Business, International Finance Corporation (confirmed)
 - Mrs. Dominique Campana, Director of International Affairs, French Environment and Energy Management Agency (ADEME) (confirmed)
 - Matt Golden, Investor Confidence Project (confirmed)
 - Mr. CHEN Zhen, Secretary-General of China Exploration & Design Association, Architecture Branch (confirmed pending visa)
 - Ibrahim Al-Zubi, Head of Sustainability, Majid al Futtaim, Dubai (confirmed)



11:40-12:05 Break (Videos- Solutions)

12:05-13:05 Session B Government Leadership in Policy & Strategies Moderated by Jukka Uosukainen, Director, CTCN (confirmed)

- Mr. Dave Turk, Deputy Assistant Secretary for International Climate and Technology, US Department of Energy (confirmed)
- Mr. Stephen Hibbert, Global Head of Energy and Carbon Efficiency for ING (confirmed)
- Ms. Maryke Van Staden, Low Carbon Cities Program Manager, ICLEI (confirmed)
- Mr. Kian Seng ANG: Director Building & Construction Authority, Singapore (confirmed)
- Mr. S. Raghupathy, India Green Building Council (confirmed)
- Mr. Pekka Huovila, 10YFP Coordinator, Finland (confirmed)
- Mr. Rodrigo Suarez, Director of Climate Change, Ministry of the Environment and Sustainable Development, Colombia (confirmed) 13:05 – 14:05 Session C: Sub-National Leadership & Action Moderated by Mr. Raf Tuts, Chief, Urban Planning and Design Branch, UN-Habitat
- Ms. Clover Moore, Mayor of Sydney, Australia (confirmed)
- Mr. Bima Arya, Mayor of Bogor, Indonesia (confirmed)
- Mr. Kasim Reed, Mayor of Atlanta USA (confirmed)
- Mr. Marcio Araujo de Lacerda, Mayor of Belo Horizonte, Brazil (confirmed)
- Mr. Johannes Van Der Merwe– Councillor, City of Cape Town (confirmed)
- Ms. Jennifer Layke – WRI/SE4All BEA (confirmed)

14:05-14:15 Break

15:00-18:15

CLOSING REMARKS – Call for action/Common Statement (development of Summary Message for LPAA Introduction)