3rd Annual Conference Building the Sustainable World of Tomorrow **Conference Programme 6th – 7th October 2020**





President's Welcome



Albert Manifold, GCCA President and Chief Executive of CRH plc

I am pleased to welcome you to the 3rd Annual Conference of the Global Cement and Concrete Association (GCCA).

As many of you will be aware, we had originally planned to meet in Atlanta, USA. However, owing to the challenges faced due to the global COVID-19 pandemic and with health and safety front of mind, this year's GCCA Conference is an exclusively online event. It is intended to provide an informative, insightful and inspiring two days for our members and key stakeholders.

Despite the global health and economic crisis, 2020 has been a very significant year for the GCCA and we should all be very proud of our work and achievements. As an essential industry, we have continued to make an important contribution to society. GCCA member companies have been involved in maintaining the supply of raw materials for construction and the upkeep of essential infrastructure to keep society functioning, while playing a vital role in supporting our local communities. As we begin to rebuild, and as society recognises the need for a green recovery, concrete will play an increasingly important role.

As the world looks towards a more sustainable future, I am particularly proud that the GCCA has launched its Climate Ambition Statement this year, announcing to the world our industry's commitment to providing society with carbon neutral concrete by 2050. This is a significant milestone for our industry and the first time we have come together at a global level to make an announcement of this magnitude, building on the excellent work of the sector as well as GCCA members and affiliates over many years.

It is encouraging to see the level of engagement from all our member companies and it affirms our collective commitment to our sustainability goals.

In that regard, I welcome our GCCA member companies and affiliates to this year's conference, along with others in attendance who are considering joining us. Delivering on our Climate Ambition cannot be achieved alone, it requires our industry to work collaboratively with others to help build a more sustainable future. Our global breadth and cooperation across the industry are key to achieving our core ambition for concrete to be recognised as the sustainable building material of choice for today, and for the future needs of society.

The GCCA continues to draw on the talent, experience and expertise from across the global cement and concrete industry. Its broad work programme continues apace with direct input and leadership from our global membership base and I thank all our members and affiliates for your ongoing contribution and commitment.

I am honoured to serve as President of the GCCA and to work alongside my fellow Chief Executives and other senior leaders. This year, while particularly challenging, has shown how much we can achieve together. I look forward to working with you all as we continue our journey - building the sustainable world of tomorrow.

CEO's Reflection And Update



Dinah McLeod. **GCCA Chief Executive**

I would also like to take this opportunity to add my own warm welcome to you all to our 3rd Annual GCCA Conference.

We all know that 2020 has been a year of challenges. But it is also a year of opportunity. While the COVID-19 pandemic has had an unprecedented impact on the world as we know it, it has also advanced a wider discussion about our future; about how we build back better, and more sustainably.

As the world works towards a green recovery, I am incredibly proud to lead the GCCA as its Chief Executive. Having just published our Climate Ambition Statement, we are positioning our industry as a key contributor to a sustainable future by providing carbon neutral concrete to society by 2050. It is such a pleasure to see all of our member companies fully engaging with the launch and committing to this target to build a more sustainable world of tomorrow.

Many of you already know my background as a sustainability expert, with previous roles across business, government and non-profit organisations. Having recently joined the GCCA, I am delighted to see the level of commitment to the reduction of CO, across the industry to position concrete as the sustainable building material of choice.

Our President mentions that cooperation and collaboration will be crucial to our success. The programme we have produced over the conference speaks to that - we will hear from senior leaders and experts not just from our own industry, but those from other sectors and global policymakers on how we can successfully continue on our own sustainability journey and deliver our climate ambition.

We will also hear about our wider work program and the strong progress made over the past year. My thanks to all working group members and consultative networks and all who are positively contributing to our shared mission - the driving force behind our progress.

Although we cannot meet in person, I hope you all enjoy the conference. Over the months and years to come, I look forward to meeting and working closely with you all to shape an even brighter future for our industry and the world.

Conference Programme

Tuesday 6th October

08:00-09.30 London

Work Program Session:

Delivering the GCCA

Strategic Plan

Languages:

Session A

English Chinese Mandarin

Attendees: GCCA Members and Affiliates only

Session B

12:30 - 14.00 London

Main Conference Plenary: Industry and Business Action -**Towards Building the Sustainable** World of Tomorrow

President's Opening Address:

• Albert Manifold. GCCA President and Chief Executive of CRH plc

Keynote Speaker:

 Dr Pratima Rangarajan, CEO, OGCI Climate Investments

Panel:

- Jan Jenisch, CEO, LafargeHolcim
- Daniel Balthasar. Senior Portfolio Manager and Head of Basic Industries & Utilities, Norges Bank Investment Management (NBIM)
- Mahendra Singhi, Managing Director and CEO of Dalmia Cement (Bharat) Limited

Languages:

Enalish Chinese Mandarin

Attendees:

GCCA Members, Affiliates and Guests

Session C 15:00 - 16.30 London

Work Program Session: **Delivering the GCCA** Strategic Plan Repeated

Languages:

Attendees: GCCA Members and Affiliates only

Wednesday 7th October

Session A

08.00-09:40 London 03:00 - 04:40 New York

Work Program Session: Acting on our Climate Ambition

Languages: English **Chinese Mandarin**

Attendees: GCCA Members and Affiliates only

How to join

To join the conference, you must be registered and logged into the GCCA website or you will be unable to join. You cannot log in on behalf of anyone else.

To join the conference, follow these steps:

Session B

12:30 - 14.00 London

Main Conference Plenary: Industry Transition: **Global Policy Perspectives -**Towards Building the Sustainable World of Tomorrow

Keynote Speaker:

• Dr Fatih Birol, Executive Energy Agency

Panel:

- **Energy Agency**
- Dr Dominik Von Achten,
- María Mendiluce. We Mean Business
- IUCN Global Business and

Languages: Chinese Mandarin

Attendees: GCCA Members, Affiliates and Guests

1. Please log in to your account on the GCCA website

- 2. Go to the conference webpage
- 3. Please click on 'Joining Instructions'
- 4. Click on the links under the sessions you would like to join

Sessions will be open to join 15 minutes before advertised start times.

Director, International

 Araceli Fernandez Pales, Senior **Energy Analyst, International** CEO, HeidelbergCement • Gerard Bos, Director of

Biodiversity Programme

Session C

15:00 - 16:40 London

Work Program Session: Acting on our Climate Ambition Repeated

Languages:

Attendees: GCCA Members and Affiliates only

Speakers and Panellists

Full biographies are available on the GCCA website



Gavin Esler Conference MC Gavin Esler is an award winning

television and radio broadcaster, writer and journalist. He is also an event host, a moderator for business conferences and a lecturer on subjects as diverse as British and American politics, communications and the future of the media. He delivered the prestigious 2017 Magnusson Lecture on how institutions and individuals can build trust - and how to recover if they lose it. He has spoken on similar themes with groups as diverse as senior British military officers, financial consultants, lawyers, senior public officials, politicians and leaders of international corporations. He has hosted conferences with business and political leaders in venues in the United States, Indonesia, Singapore, China, Turkey, the UAE, and all across the UK and Europe.

Keynote speakers



Dr Fatih Birol Executive Director, International Energy Agency

Dr Fatih Birol has served as Executive Director of the International Energy Agency since September 2015. He was re-elected in January 2018 for a second four-year term, which began in September 2019. Under his leadership, the IEA has undertaken its first comprehensive modernisation programme since its creation in 1974.



Dr Pratima Rangarajan Chief Executive,

OGCI Climate Investments Dr Pratima Rangarajan is Chief Executive of OGCI Climate Investments. Before joining OGCI Climate Investments, Pratima was the General Manager for GE's Onshore Wind Product Line and the General Manager for GE's Energy Storage startup. She had previously held the role of Deputy Chief Technology Officer and Senior Vice President, Emerging Technology and Research at Vestas Wind Systems.

Panellists



Dr Dominik Von Achten Chairman of the Managing Board, HeidelbergCement AG

Dr Dominik Von Achten is the Chairman of the Managing Board of HeidelbergCement. In his role on the Managing Board, he has the direct responsibility for Strategy and Development, Communication & Investor Relations, Human Resources, Legal, Compliance, Internal Audit, Digital Transformation Office and Digital Venture Office.



Daniel Balthasar

Senior Portfolio Manager and Head of Basic Industries and Autos/ Sector Strategies, Norges Bank Investment Management (NBIM) Daniel is a Senior Portfolio Manager and Head of Basic Industries and Autos/Sector Strategies at Norges Bank Investment Management (NBIM). NBIM manages the Government Pension Fund Global, Norway's Sovereign Wealth Fund. With investments in more than 9,000 companies worldwide and a fund value of more than 10.000 billion Norwegian Kroner, it is one of the world's largest investors. On average, the fund holds 1.5 percent of all of the world's listed companies. Daniel joined NBIM in 2006 and is a CFA Charterholder.



Gerard Bos Director, IUCN Global Business and Biodiversity Programme Gerard Bos has served as Director

of the Global Business and Biodiversity Programme at the International Union of the Conservation of Nature (IUCN) since 2012. He is passionate for driving transformational change through multi-sector collaborative platforms with the aim of challenging current and future business models of the corporate sector.



CEO, LafargeHolcim

Jan Jenisch has been Chief Executive Officer of LafargeHolcim since 2017. Jan is committed to leading the way in green construction to drive a net zero future. Putting innovation and digitalisation at the core of the company's strategy, Jan is driving greener and smarter solutions from EcoPACT green concrete to Susteno circular cement. Jan is a Member of the Executive Committee of The World **Business Council for Sustainable** Development as well as of the Global Cement and Concrete Association. He is also a Member of the Board of the LafargeHolcim Foundation for Sustainable Construction. In addition he serves as a Member of the Board of Directors at Glas Troesch SA. Previously Jan was the CEO of Swiss-based Sika (2012-2017), a specialty chemicals company with a leading position in the building sector and motor vehicle industry.



Araceli Fernandez Pales Senior Energy Analyst, International Energy Agency

Araceli Pales coordinates the modelling and analysis of demand sectors in the Energy Technology and Policy division of the IEA since 2019. In her previous role, she led the analysis related to the industrial sector in the same division. Prior to joining the IEA in 2012, Araceli worked for about seven years, in different areas in the Oil & Gas sector including process optimization and emissions monitoring at refinery sites for BP, as well as designing thermal equipment and steam reforming units for green-field refinery and petrochemical projects. Araceli holds a MEng in Chemical Engineering and a MSc in Process Engineering.



María Mendiluce CEO, We Mean Business

María Mendiluce was appointed as CEO of the We Mean Business coalition in 2020, at the start of a critical decade for climate action. The We Mean Business coalition brings together seven international organisations: BSR, B-team, CDP, Ceres, CLG Europe, The Climate Group and WBCSD, which together catalyse business leadership and policy ambition to accelerate the transition to a zero-carbon economy.

2020

Conference Programn

GCCA





Mahendra Singhi

Managing Director and CEO, Dalmia Cement (Bharat) Limited Mahendra Singhi is Managing Director and CEO of Dalmia Cement, a prominent cement manufacturing group in India which is ranked no.1 globally by CDP on Low Carbon Economy Transition and recognised by the UN Secretary-General on climate innovation. He is one of the five global Climate Defenders recognised by BBC World.

He has represented business and the cement sector globally on the most prominent multicountry platforms such as the Climate Action Summit at the UN General Assembly on 23rd Sept. 2019 on invitation of UN Secretary-General; the Paris Climate Agreement Ceremony on invitation from Ex. UN Secretary-General, Mr. Ban Ki-Moon; Global Climate Action at COP24 on invitation of UNFCCC Executive Secretary, Ms. Patricia Espinosa; and High-Level governmentbusiness dialogues invited by the French Presidency.

About the GCCA

Launched in 2018, the GCCA is the trusted, authoritative platform and voice for the cement and concrete sector across the world.

Our work aims to ensure that the views of cement and concrete are holistic and based on robust evidence.

Our vision sees a world where concrete supports global sustainable economic, social and environmental development priorities; and where it is valued as an essential material to deliver a sustainable future for the built environment.

Our mission is to position concrete to meet the world's needs for a material that can build and support growing, modern, sustainable and resilient communities.

The GCCA is a CEO led industry initiative. It's members, Board of Directors, and Executive team are committed to sustainability – reducing the impacts of cement production and promoting the unique properties of concrete as a sustainable, durable and resilient building material – a material that will answer the needs of a growing and increasingly urban population that is set to exceed nine billion people by 2050.

GCCA Sustainability Charter

Our members commit to implementing sustainability initiatives across all five pillars identified in our sustainability charter and set targets for performance improvement for each to achieve compliance.

Driving Industry Sustainability



GCCA Strategic Plan

Our strategic plan spans four key pillars:



A Concrete Promotion

Positioning concrete as the ideal building material to successfully and economically meet the world's sustainable construction needs by delivering a powerful communications strategy and building a network of stakeholders to help us deliver that message.

B Sustainability

Demonstrating how concrete uniquely meets the global challenges of sustainable development and climate change, promoting best practice in our industry and demonstrating our performance improvements.

C Innovation

Driving performance and sustainability further by fostering innovation in cement and concrete manufacturing processes through partnership across the supply chain.

D Building The GCCA

Ensuring we are a highly effective organisation that delivers tangible value to our members, affiliates and the broader cement and concrete industry.

2020 Highlights So Far



Climate Ambition

The GCCA launched its Climate Ambition Statement on the 1st September, announcing to the world our industry's plan to provide our planet with carbon neutral concrete by 2050.

Building on the longstanding commitments and sustainability progress of our members and affiliates, this marks an important moment for our industry – joining up to articulate a global climate target.

We would like to thank all our member companies and affiliates for their participation in developing the ambition and involvement in the outreach campaign to date. We are expecting sustained momentum and an ongoing voice in sustainability conversations going forward.

The launch of our ambition was well received across the world, with over 400 pieces of media coverage and interviews globally. Our digital campaign has received over 2.2 million impressions, 66,000 engagements and nearly 400,000 views of our CEO video.

Work is progressing on our 2050 Concrete Roadmap, which will set out the actions across the value chain to achieve carbon neutral concrete. It will be published in 2021.

UN High Level Panel

Following the launch of our Climate Ambition Statement, the GCCA was invited to participate in the UN Secretary-General's high-level roundtable on climate action, joining world leaders as a part of the 75th session of the United Nations General Assembly, which took place on the 24th September.

The roundtable featured 20 global leaders, including heads of state such as Boris Johnson, Justin Trudeau and Ursula von der Leyen to discuss the bold climate actions they are taking and their ambitions for a better future.



Innovandi

Launched at the 2019 GCCA Conference in Singapore, the Innovandi network has made significant progress over the year.

In late-June, Innovandi held its inaugural Kick-Off Week, bringing together 40 scientific and 30 industrial partners from around the world to map out key themes for projects focused on the reduction of CO_2 emissions.

In mid-September, Academic Partners showcased their projects during Innovandi Partner Project Sessions. Each session saw dozens of delegates from across academia and industry come together to discuss their projects and lay the groundwork for future collaboration.

At the end of September, Innovandi held its Autumn Week, which brought together academic and industrial partners to further progress the formation of core projects.

Health and Safety Forum

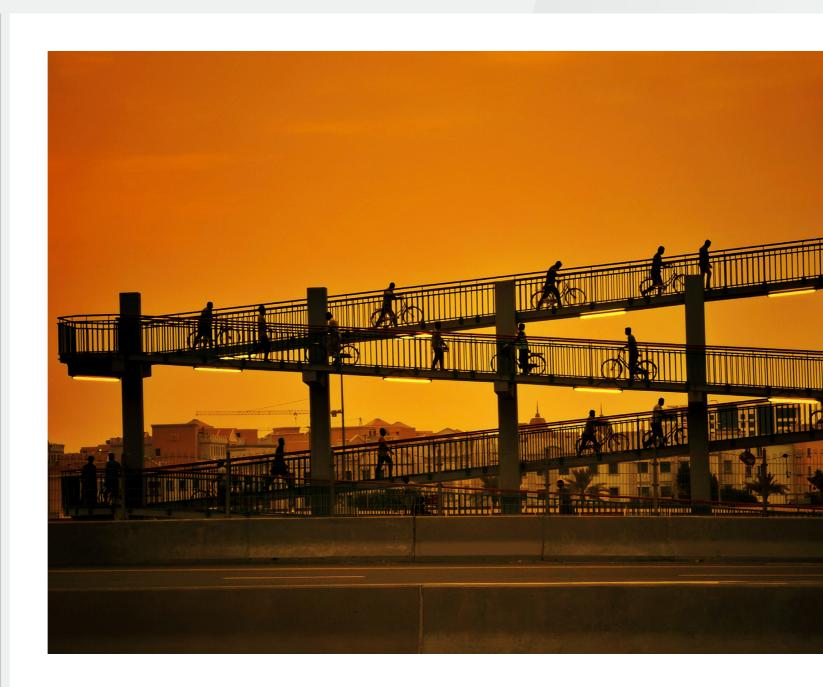
The GCCA ran its first global Health and Safety webinar on 'World Day for Safety & Health at Work' on 28th April. The event saw over 220 attendees, and aimed to foster greater collaborative and good practice approach across the entire cement and concrete sector. Following the success of last year's competition, we are running our second Concrete in Life photography competition, launching on the 7th October. The competition aims to showcase the vital role that concrete plays in our daily lives.

Last year's competition saw over 5,000 entries from professional and amateur photographers across the world and engaged an audience of over 3 million.

This year's competition will have four categories: Urban design and use; Infrastructure; Concrete in daily life; and video. Each category will have professional and amateur brackets.

The overall Best 'Concrete in Life' Photo of the Year winner will win a \$10,000 USD prize. Each of the remaining amateur and professional winners will win a \$2,500 USD prize.

Please visit our website for more information. https://gccassociation.org/concreteinlife/





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Left: 2019 Overall Winner

Practical Concrete (Amateur) Rolando Batacan

Bridge near the Al Aweer Vegetable and Fruit Market; Dubai, United Arab Emirates

"This photo shows one section of the pedestrian bridge located near Al Aweer Vegetable and Fruit Market in Dubai. Imitating life's cycle, these workers cross the bridge every day in the morning and back in the evening after real hard work.

To be the winner of 'Concrete in Life' means a huge amount to me. The concrete bridge shown in my photo traverses the busy Sheikh Mohammed Bin Zayed Road in Dubai, used by Asian expats mostly working as porters in the fruit and vegetable market. That's the bridge's practically usage, but it's symmetry against the backdrop of Dubai portrays architectural beauty. That's the fascination of Concrete in Life."

Rolando Batacan



Left:

2019 Category Winners

- 1 Urban design and use (Professional) The façade of the Science Museum, Valencia, Spain Photo by Pedro Ajuriaguerra Saiz @pedro_ajuriaguerra
- 2 Urban design and use (Amateur) The Palace of Justice, Le Corbusier's Capitol Complex, Chandigarh, India Photo by Corin Gibbon @thisbrutallife
- 3 Practical Concrete (Professional) Bridge with Security Guard, Harbin, China Photo by Jason Chowdhury @iasonchowdhury
- 4 Small Scale (Professional) Artificial Coral Reef, Lobo, Batangas
- 5 Small Scale (Amateur) Dry Water, La Mancha, Spain Photo by Santiago Aleman @the_santiago_alemar

Our member companies and affiliates operate in almost every country of the world

Member Companies

- Asia Cement Corporation
- Breedon
- Buzzi Unicem S.p.A.
- Cementir Holding
- Cementos Argos
- Cementos Molins
- Cementos Pacasmayo
- Cementos Progreso S.A.
- CEMEX
- Ciments De L'Atlas (CIMAT)
- CIMPOR
- Çimsa Çimento
- CNBM
- Corporacion Moctezuma S.A.B. DE C.V.
- CRH
- Dalmia Cement
- Dangote
- Grupo Cementos de Chihuahua SAB de CV (GCC)
- HeidelbergCement
- JSW Cement
- LafargeHolcim
- Medcem Madencilik
- Nesher Israel Cement Enterprises Ltd

Orient Cement Ltd

- SCG Cement
- Schwenk Zement KG
- Secil S.A.
- Shree Cement Ltd
- Siam City Cement Ltd
- Taiheiyo Cement
- Taiwan Cement Corporation
- Titan Cement
- UltraTech Cement Ltd
- Unión Andina de Cementos S.A.A (UNACEM)
- Vassiliko Cement Works Public Company Ltd
- Votorantim Cimentos
- West China Cement
- YTL Cement

Affiliates

- Cámara Nacional del Cemento Mexico
- CEMBUREAU the European Cement Association
- Cement Association of Canada
- Cement Concrete & Aggregates Australia
- Cement Industry Federation Australia
- Cement Manufacturers Association of India
- CMI Ireland
- European Concrete Platform
- European Ready Mixed Concrete Organisation (ERMCO)
- Federación Iboamericana del Hormignon Premezclado (FIHP) - Latin America and the Iberian Peninsula
- Federación Interamericana del Cemento (FICEM) – Latin-American Region
- Japan Cement Association
- Korea Cement Association
- Mineral Products Association United Kingdom
- National Ready Mixed Concrete Association USA
- Portland Cement Association USA
- SNIC/ABCP Brazil
- Spanish Cement Association (Oficemen)
- Union of Cement Producers Soyuzcement Russia
- VDZ Germany

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