



CLIMATE 'HOW'

How to engage society and deploy decarbonization

5th International Symposium
Venice, Italy



Eco-Business

Jessica Cheam | Managing
Editor


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Editor's Choice

FOOD & AGRICULTURE

Study finds palm oil industry mimics Big Tobacco on playing down public health impacts

From heart disease to raised levels of bad cholesterol, a new study finds that haze is not the only public health impact of palm oil, and that the industry's strategies to hide these resembles that of tobacco and alcohol industries.




FEATURE SERIES

What do Indonesians really think about palm oil?

16 Jan 2019 | News



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[News](#) > [Carbon & Climate](#)

How will you respond to the IPCC's urgent climate warning?

In just 12 years, the world is set to blow its carbon budget for keeping global warming in check, a new IPCC report warned last week. How will you respond to what science is telling us?

cks
 October 2018



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Historic flooding in Italy: What role has climate change played in the destruction?

Marina Pitofsky | USA TODAY
 Published 6:16 AM EDT Nov 1, 2018



A picture taken on October 29, 2018 shows the flooded St. Mark's Square during a high-water (Acqua Alta) alert in Venice.

MIGUEL MEDINA, AFP/Getty Images

At least 11 people have died in Italy this week due to historic flooding throughout the country, officials said Tuesday.



Award Presentation

CDL E-Generation Challenge 2017 – in partnership with GGEF





2018: Changing Course

In 2018, Eco-Business will be embarking on a special project – 2018: Changing Course.

Its managing editor, Jessica Cheam, won the CDL E-Generation Challenge and will be going on the [ClimateForce 2018 expedition with British explorer Robert Swan to Antarctica](#) and making a documentary with Channel News Asia on this journey.

This will launch a year-long campaign on climate action with special focus on renewable energy, zero waste and youth, culminating with a photography and short-film exhibition.

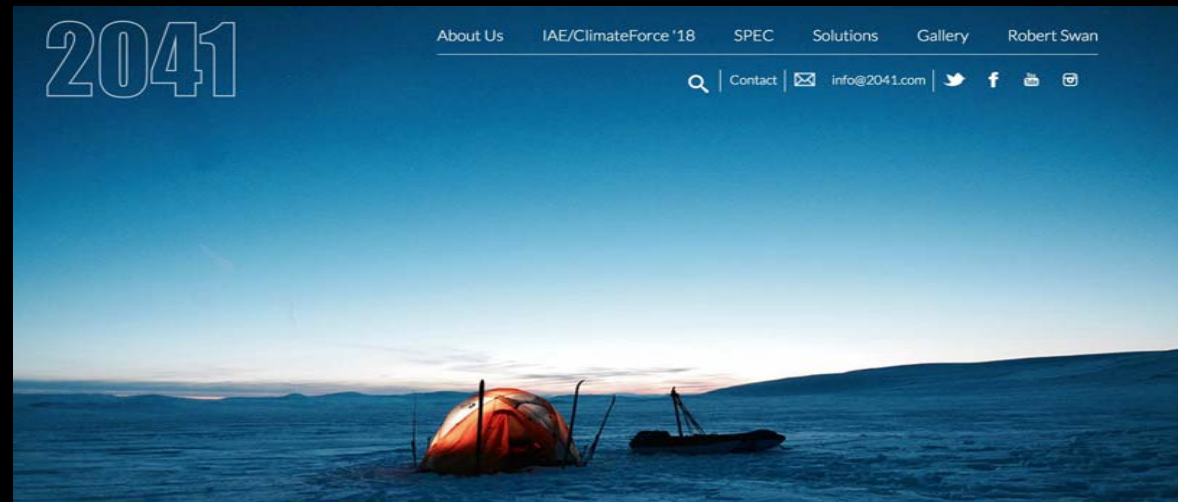


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TO THE LAST GREAT WILDERNESS ON EARTH

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2041

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24/05/2018

Antarctica's Frozen Future Unveiled in Photography and Film Exhibition in Partnership with Sony

The exhibition, in partnership with Eco-Business, treks the chilling realities of climate change documented by Singaporean journalist Jessica Cheam and Scottish documentarian Fraser Morton





In pictures: Confronting climate change

Airing on Sunday March 5 at 8pm, a new ChannelNews Asia documentary features Eco-Business editor Jessica Cheam on a journey from India to Copenhagen to glean lessons on what Singapore can do to overcome one of its most pressing challenges.

By [Ping Manongdo](#)

Thursday 2 March 2017



Video: Eco-Business





Climate Action
SG Alliance



Mission

To advocate climate action in Singapore, by raising awareness levels among the public on climate issues and to translate this awareness into action.



Objectives

- To examine the current landscape regarding communication about climate change so as to identify key areas of improvement in Singapore's climate change narrative.
- To pool, share and optimise common resources, leveraging on corporates for sponsorship and publicity, in order to more effectively advocate for climate action.
- To develop communications narratives and messages to raise awareness and generate action for different audience segments, and to subsequently disseminate those messages, leveraging on the reach and influence of the NGOs and advocacy groups.
- To establish meaningful measurements of success so as to realistically and adequately analyse the alliance and its communication efforts.
- To collate successful ground-up efforts and scale them up to a national level for greater impact.



Project: Business

- Working closely with mass consumer-facing companies to **develop and adopt more environmentally friendly practices** (e.g. reduced plastic use), through the supply chain as well as customer engagement; with the companies potentially joining the Alliance.



Project: Recycling

- Supporting NEA's drive to educate the public on **proper recycling** procedures through media tools such as viral educational videos, social media marketing and campaigns, and working with grassroots organisations to better spread recycling messages.



Project: Schools

- A holistic approach targeting primary schools to drive a **zero-waste culture** via the 3Rs, by involving teachers (through workshops, training), students (through the explicit curriculum or green ambassador training), facilities (sustainable practices and infrastructure in school areas) and school processes.



Changi Airport Group



Commits to reduce the use of single use plastics and increase recycling rates across passenger terminals in 2019.



Will collaborate with tenants, partners and guests, and will communicate “call to action” on how everyday actions can benefit the environment.

KK Women's and Children's Hospital



Commits to reducing food waste, increase recycling and reduce the use of single-use plastics in 2019.



KKH will launch campaigns to communicate to patients and visitors to raise awareness on the importance of these initiatives.

Marina Bay Sands



Commits to installing 100% LED lights and energy-efficient televisions across the property by 2020.



MBS will run campaigns to raise awareness amongst consumers of the role that technology can play in climate action.



BETTER BUSINESS BETTER WORLD

Sustainable Business Opportunities in Asia



EXHIBIT 2

The business opportunities significantly impact more than half of the 169 SDG targets

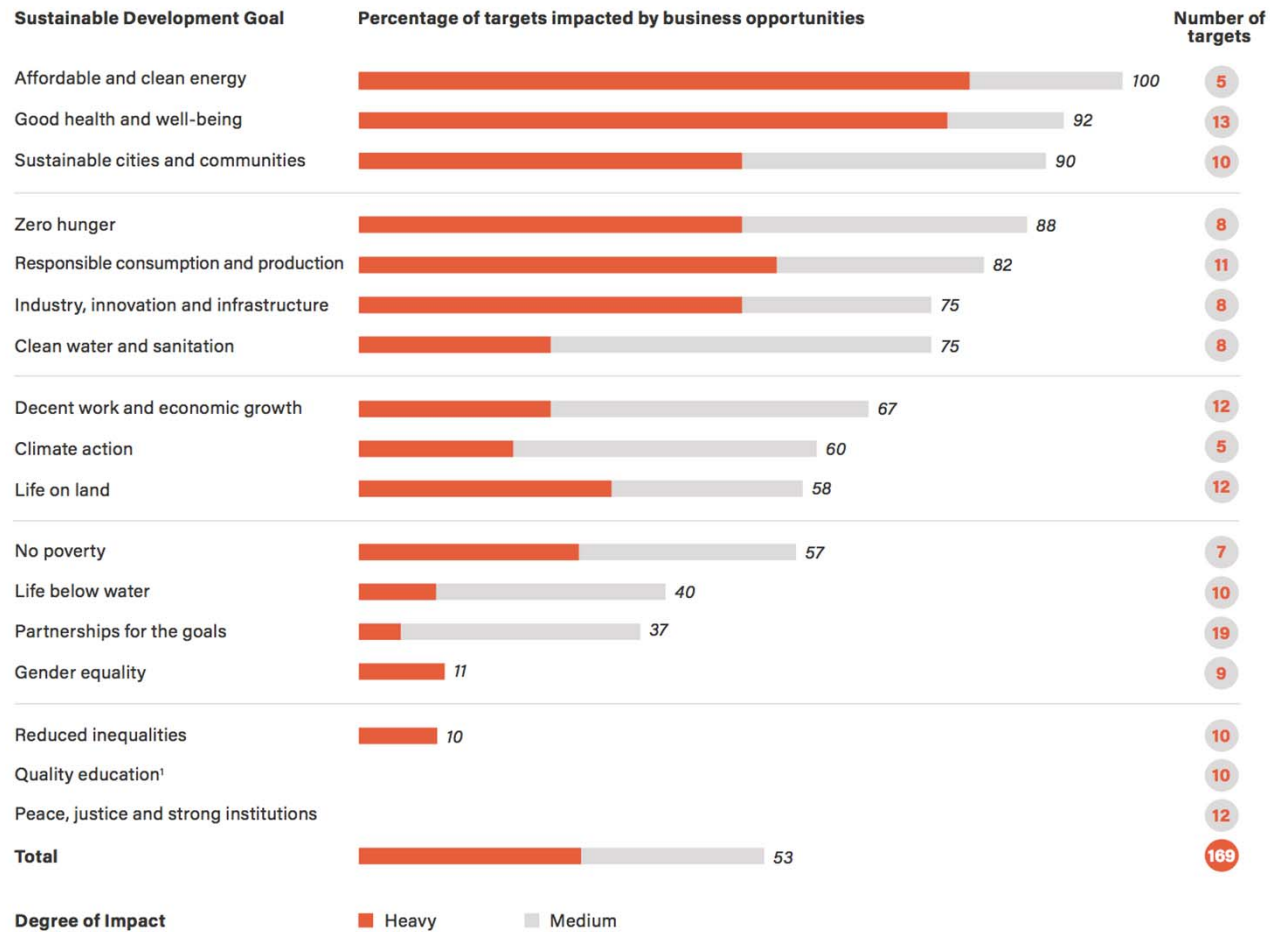
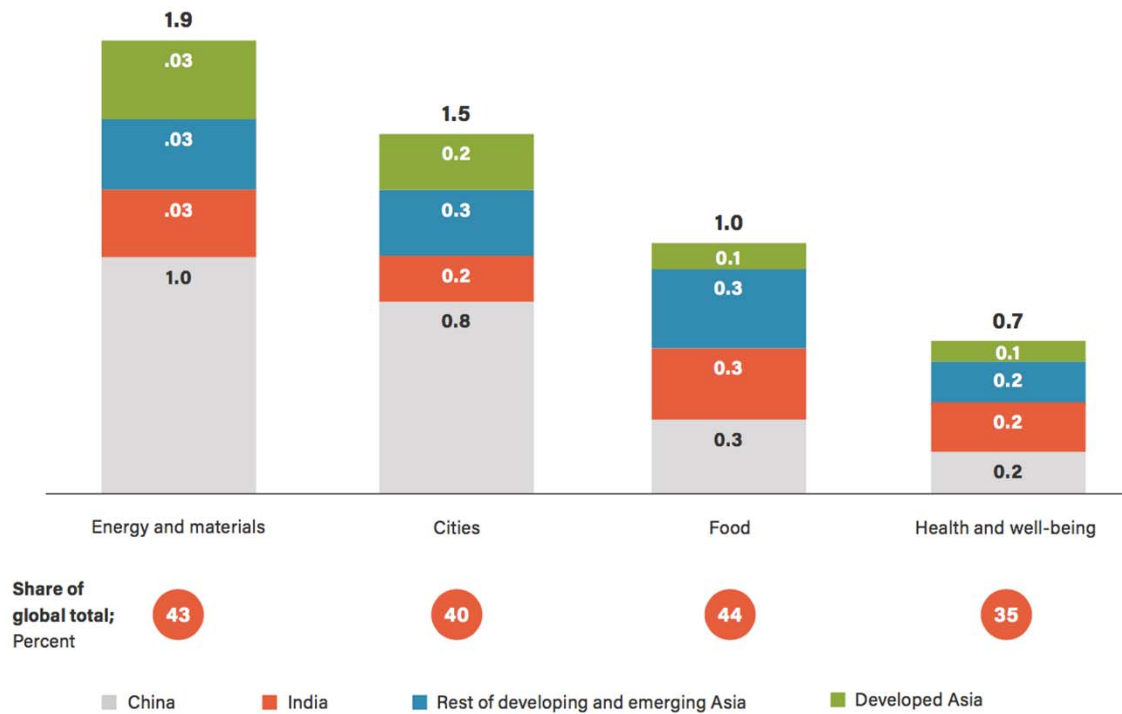


EXHIBIT 3

The business opportunities identified in four systems alone will be worth over US\$5 trillion by 2030 in Asia

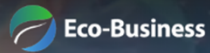
Size of incremental opportunity in 2030¹
US\$ billions; 2015 values





Plastic Purge

A homegrown initiative to rid offices of single-use plastic which will help address the global plastic crisis we face today.



MAKE THE PLEDGE PLASTIC PIONEERS

Plastic Purge

A Climate Action SG Alliance and Eco-Business initiative
in support of Singapore's Year of Climate [Share Image](#)



Become a Plastic Pioneer!

Life with plastic ain't fantastic. Commit to making plastic-free offices the new future – purge single-use plastics from your office today!



Just how bad is it?

Our planet and humanity is facing a global plastic crisis. Every year, enough plastic waste is produced to circle the Earth four times. Half of these plastics are used only once before being discarded and a whopping 8 million tonnes of plastic enter our oceans each year.



It's time to act

Single-use plastics are used on average for a few minutes, yet take thousands of years to break down. Millions of marine creatures and birds are killed every year by plastic pollution. Ingested plastics are also entering into our food chain, with the potential to cause us all harm.

Closer to home?

Singaporeans use at least 1.76 billion disposable plastic items a year, or the equivalent of one plastic item per day per person. This includes a staggering 467 million single-use plastic bottles, enough to fill 94 Olympic-sized pools! Only an estimated 6% of our plastic waste gets recycled.





Together, we can make a big difference!

Please join this movement to purge your office of single-use plastics.

Simple steps to purge the plastic

Enter your organisation's details here to take the stand against single-use plastics!

For Individuals

For Organisations

- Bring your own mugs or bottles to work.
- Bring your own reusable tote bags.
- Use tupperware for takeaway meals.
- Avoid plastic straws.

Pledge and join the movement!

Enter your organisation's details here to take the stand against single-use plastics!



Share the Pledge

Congratulations on making a difference! Now, let everyone know your organisation's leadership on purging plastics. Start sharing today!



Plastic Purge Pioneers

See which organisations have pledged to transition to plastic-free offices.

Climate Action SG Alliance Members



Plastic Purge Supporters



Plastic Purge Supporting Organisations



What CAN or CANNOT be RECYCLED in Singapore?

Green Is The New Black Asia

Like Comment Share

109 7 Comments 142 Shares



Breaking Up With Plastic

Green Is The New Black Asia

Like Comment Share

218 19 Comments 243 Shares

Eco-Business
Published by Jeanette Mok (?) · November 28, 2018 ·

Debunking the mystery of your trash starts here!
Follow TV host and actor [Jason Godfrey](#) on this trail of your recycling from that blue recycling bin to Sembcorp's materials recovery facility.
Over 40% of recyclables are contaminated and therefore cannot be recycled. Let's practice [#ResponsibleRecycling](#) today by cleaning out food containers, removing labels, and most importantly, not throwing non-recyclables into the recycling bin.... [See More](#)

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Boost this post for \$20 to reach up to 12,000 people.

715,737 people reached [Boost Post](#)

1.6K 168 Comments 5,965 Shares

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Eco-Business Videos – Follow The Trash

- ❖ Follow The Trash - for the Climate Alliance Singapore
- ❖ Total video views - 300,000 video views, 5,965 post shares
- ❖ Picked up by Prime Minister of Singapore, Lee Hsien Loong and local online news Mothership.sg

Eco-Business
Published by Jeanette Mok [?] · November 28, 2018 · 🌐

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JASON GODFREY
TV HOST AND ACTOR

Follow The Trash
04:41

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Get More Likes, Comments and Shares
Boost this post for \$20 to reach up to 12,000 people.

👤 715,737 people reached 📈 Boost Post

👍👎🗨️ 1.6K 168 Comments 5,965 Shares

👍 Comment 🔄 Share

Mothership.sg
December 4, 2018 · 🌐

Wash the stuff that can be recycled before dumping them into the blue bins you see at all residential estates. And don't dump things that cannot be recycled.

Recycling in Singapore has already been made very convenient as individuals do not have to do all the sorting ourselves.



MOTHERSHIP.SG

In S'pore, 40% of recyclables in blue bins end up not recycled after contamination by food & liquid waste

👍👎🗨️ You, Hannah Koh and 389 others 35 Comments 706 Shares


Lee Hsien Loong shared a post.
December 5, 2018 · 🌐

Catching up on things I missed while away for G20 last week. Came across this eye-opening video from Eco-Business that takes a behind-the-scenes look at how we recycle...and how we can do better.

Singaporeans are familiar with the blue recycling bins in our neighbourhoods. The bins are brought to a central sorting facility, but as this video shows, many of the items in them aren't recyclable at all! Recyclers have to throw out mattresses, diapers, half-eaten food packets, as well as items which could be recycled but which have been contaminated, e.g. paper soaked in spilt soft drink.

I'm glad that Singaporeans are making the effort to recycle. But we can do better still. Do take some time to read up on what items are suitable to go into the blue bins, and please don't treat them as general purpose rubbish bins: <http://www.zerowastesg.com/recycle/>

– LHL



JASON GODFREY
TV HOST AND ACTOR




ECO-BUSINESS.COM
Follow The Trash Learn More

👍👎🗨️ 1.4K 100 Comments 338 Shares



 <p>LEARN THE ISSUES Singapore's environmental issues, and the policies to tackle these issues.</p>	 <p>GRAB OUR RESEARCH Statistics, reports and publications by our ministry and statutory boards.</p>	 <p>GET INVOLVED Report incidents, participate in public consultations and suggest ideas.</p>
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Take the Climate Action SG Pledge Now!




<p>234,454 PLEDGES Pledge now to take Climate Action and fight climate change.</p>	 <p>INDIVIDUALS Make your personal pledge</p>	 <p>ORGANISATIONS Pledge for your organisation</p>	 <p>EDUCATIONAL INSTITUTIONS Pledge for your school</p>
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Climate Action ● 2018


Take Action Today, For A Sustainable Future
Reduce Our Carbon Footprint



Impact On Singapore
By End Of Century

<p>Daily temperatures could rise by 1.4°C to 4.6°C</p> 	<p>Wet months likely to be wetter, and dry months drier. More intense and frequent heavy rainfall</p> 	<p>Mean sea levels could rise by up to about 1 metre</p> 
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[Click to find out more](#)



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10 344 88 : 18 : 28
YRS DAYS HRS MIN SEC

It's not GAME OVER yet.

12 years—That's all the time humanity has left to keep global warming below 1.5 degrees Celsius, as the recent [IPCC report](#) makes clear. In the length of a dog's life, we could be sealing our fate to face more than 2 degrees of warming, and Asia will bear the brunt of the devastation.

But it's not time to give up—we can still stop this. If we are going to avoid climate catastrophe and build a sustainable future, we have to slash our emissions by 45% before 2030.

To do that, we need to speed up the shift to clean energy; we need to get smart with the way we create and consume; we need a circular economy. Most of all, we need your boldest, game-changing solutions to bend the trajectory of human development away from runaway climate change.

Are you up to the challenge?



THE LIVEABILITY CHALLENGE

THE LIVEABILITY CHALLENGE FINALE
 SANDS EXPO & CONVENTION CENTRE
 11 JULY 2018

Presented by



Transforming Asia Pacific: Innovative Solutions, Circular Economy and Low Carbon Lifestyles

17 - 20 September 2018 | Bangkok

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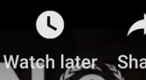




Transforming Asia Pacific: Innovative...
Posted by UN Environment Asia Pacific
529 Views



Hearts and minds: How Innovation in culture can spur sustainable consumption ...



Culture and social norms play a huge role in our consumption patterns.

MORE VIDEOS



A queue of mainland Chinese shoppers snakes along Mody Road outside the flagship Louis Vuitton store in Hong Kong. A blur of brand new Toyota Avanzas jam Jakarta's Jalan Jenderal Sudirman at rush hour. A record haul of pangolin scales is [seized at Kuala Lumpur Airport](#). Signs of the world's largest and most dynamic consumer group—Asia's middle classes—flexing their wallets are not hard to find.

In China, consumption is projected to grow by an average of 6 per cent a year over the next decade, while in Vietnam the middle class—the fastest growing in Southeast Asia—is expected to double, to 33 million people, by 2020, and with it demand for everything from motorbikes to mobile phones will soar.



The Climate Photo Challenge



Eco-Business's *Changing Course* campaign aims to tell stories about the impacts of climate change, to highlight solutions, and to inspire meaningful change in our society.

As part of this, we are inviting you, our community, to participate in our climate photo challenge.

Remember the photo [‘Napalm Girl’](#) and how it changed the Vietnam war? Nobody can forget the haunting image; and in 1973, AP Photographer Nick Ut won the Pulitzer Prize for Spot News Photography for his picture.

The image was unprecedented at the time and it is thought to be one of the most memorable photographs of the 20th century.

We want to find that equally powerful image for climate change for the 21st



Drinks and networking:
Unlocking capital's speed dating for
financiers and projects



Arctic Shipping Milestone

An LNG tanker became the first to travel the Northern Sea Route during winter

— Journey of Eduard Toll — Usual winter route



Source: Bloomberg

While shorter shipping journeys reduce emissions, environmentalists are concerned that more traffic through the Arctic will add to the amount of black carbon—particles of pure carbon—settling in the snow from tanker smokestacks. When that soot darkens the surface of the ice, it speeds up the warming process by absorbing more of the Sun's energy.

SINGAPORE POLITICS ASIA WORLD VIDEOS MULTIMEDIA LIFESTYLE FOOD FORUM OPINION BUSINESS SPORT MORE

WORLD > United States Europe Middle East Americas Africa

ASEAN SINGAPORE 2015 SINGAPORE

RESILIENT AND INNOVATIVE LEARN MORE

Melting ice in the Arctic opening new energy trade route



This year is likely to rank among the top 10 for the amount of sea ice melting in the Arctic Ocean after heat waves across the northern hemisphere this summer. PHOTO: AFP/NATURE PUBLISHING GROUP

PUBLISHED AUG 28, 2018, 3:28 PM SGT



LONDON (BLOOMBERG) - A new trade route for energy supplies is opening up north of the Arctic Circle as some of the warmest temperatures on record shrink ice caps that used to lock ships out of the area.

This year is likely to rank among the top 10 for the amount of sea ice melting in the Arctic Ocean after heat waves across the northern hemisphere this summer.

ASEAN SINGAPORE 2015 SINGAPORE

RESILIENT AND INNOVATIVE LEARN MORE

ST VIDEOS

Malaysia reopens submarine probe, questions former PM Najib


Trial of 9 Occupy Central leaders starts in Hong Kong

EU ministers agree terms of 'painful' Brexit divorce

Any bid to topple me would risk Brexit delay, says PM May

Recommended by @utbr



A polar bear is walking across a large, white ice floe in the Arctic. The background is a deep blue, suggesting the ocean. The bear is in the lower-left quadrant of the image, moving towards the center.

New partnership with Explorer's Passage Eco-Business heads North to the Arctic in 2019

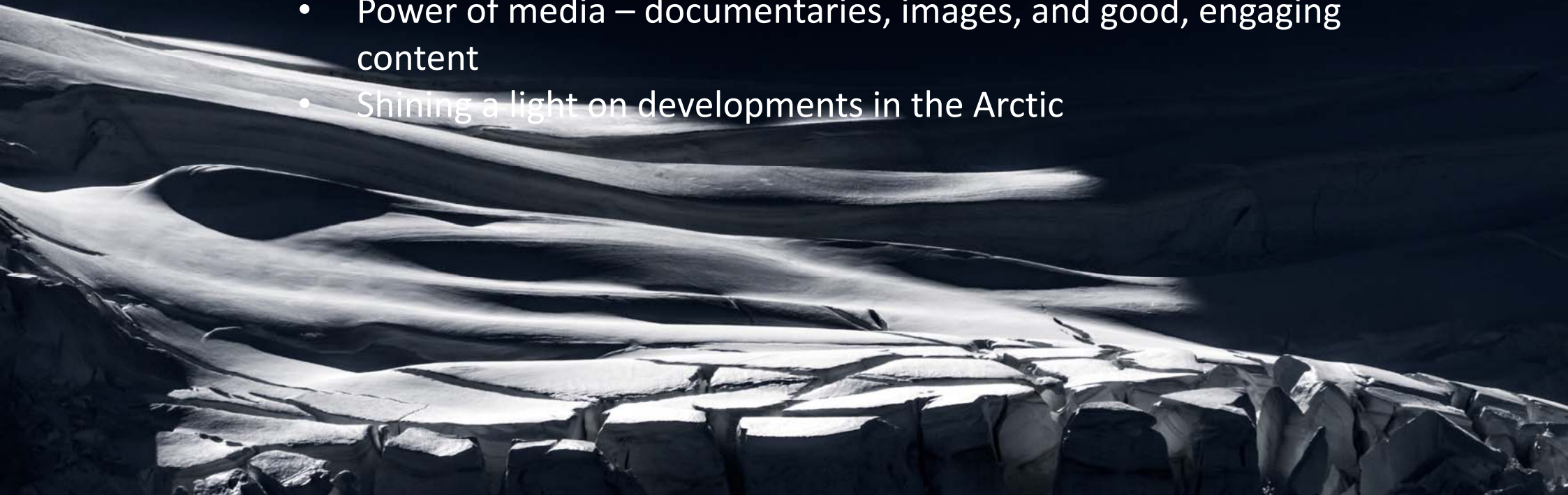
With 2041, Explorer's Passage have launched the Arctic Negative Carbon Initiative (ACNI) which will be a set of protocols for the cruise industry to offset 1.25 times the carbon impact of taking customers to the Arctic.

Its mission is to set the standard for the global travel industry on the way in which people should travel.

Eco-Business will be joining 2041 and The Explorer's Passage on the 2019 Arctic expedition and will be making a sequel to *From Asia to Antarctica*. It will also be helping to select and support candidates in Asia who would like to join the expedition.

Solutions

- Journalism focused on sustainable development solutions
- Advocating renewable energy in the region
- Focus on helping businesses and governments achieve zero waste
- Promoting sustainable lifestyles
- Youth engagement and education
- Power of media – documentaries, images, and good, engaging content
- Shining a light on developments in the Arctic





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We Make a Difference

EMPOWERMENT FOR DESTITUTE AND VULNERABLE WOMEN

Embodhi connects women into jobs and industry, with a focus on education, social and financial inclusion, vocational training and education opportunities linked to environmental protection.



For people and planet

Sustainable and socially inclusive end-to-end environmental solutions

[Learn More](#)

Blue Planet acquires Yasasu Green to deliver sustainable waste solutions in Asia ✕

Download the full press release [here](#).



Ministry of Housing and Urban Affairs
Government of India



SOUTH DELHI MUNICIPAL CORPORATION

5 TPD Containerized Bio Methanation Plant for Treating Bio-Degradable Waste to Generate Electricity and Enriched Organic Manure at Punjabi Bagh, New Delhi
Project For Solid Waste Management In Delhi Funded Under **Urban Development Fund, Ministry of Housing And Urban Affairs, GOI**
COMMISSIONER - SDMC

5 TPD Bio-Methanation Plant at Punjabi Bagh



The diagram illustrates the process flow for the 5 TPD Bio-Methanation Plant at Punjabi Bagh. It starts with 'MUNICIPAL SOLID WASTE' entering through a 'SKIP HOIST' and a 'CONVEYOR BELT' to a 'TRONNELL' screen. From there, waste goes to a 'CONVEYOR BELT' and 'REJECT' points. The main flow goes to a 'BIO-CRUSHER' and then to a 'FEED & RE-CIRCULATION PUMP'. The waste then enters a 'DIGESTER' equipped with a 'HEATING ELEMENT' and an 'AGITATOR'. The digester's output goes to a 'BIO-GAS-BALLOON' and a 'CONDENSATE TRAP'. The gas goes to a 'FLARE STACK' and 'PLANE ARRESTOR', while the condensate goes to another 'CONDENSATE TRAP' and a 'SKIMMER'. The digester also has a 'FILTRATE' output that goes to a 'DE-WATERING UNIT'. The unit's output goes to a 'CAGE' and an 'EXPOSURE PUMP'. A 'BIO-GAS' output also goes to a 'CAGE'. The diagram includes a logo for the Municipal Corporation and text indicating it was prepared by an engineering firm in 2009.



Our Global Footprint

ComfortDelGro operates in seven countries and has a global network of over 43,000 vehicles

Singapore

United Kingdom

Australia

China

Ireland

Vietnam

Malaysia



S\$ 2,483.3 mil
Revenue



S\$ 388.5 mil
Total Investment



18,769
Total Operating Fleet Size



12,623
Total Number of Employees

FIND OUT MORE



Our Business

ComfortDelGro is one of the largest land transport companies in the world with a global workforce, a global



Our People

Our people are undoubtedly our most valued asset. They are at the heart of our success. Without them, we



Our Publications

Our publications tell of a journey of spectacular growth in challenging times; of triumphs over countless



Our Milestones

The story of ComfortDelGro, one of the world's largest land transport company with presence in seven countries, is





A large, white iceberg floats in the dark ocean. The sky is dark with a band of orange and yellow light from the setting or rising sun behind a layer of clouds. The iceberg has a jagged, rectangular top and a long, thin tail extending to the right.

Thank you!

jcheam@eco-business.com

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Facebook: <https://www.facebook.com/EcoBusinessMedia/>