# **Climate Chatter** On the road to Net Zero with Decarbonisation **Pathways**









# Welcome to our Climate Chatter On the road to Net Zero with Decarbonisation Pathways

- Default audio setting: mute on joining
- Questions via the Question box are welcome at any time
  - Technical support: we will aim to resolve ASAP
  - Topic-related questions for the discussion: Q&A at the end. If we cannot answer your question in the Q&A we will get in touch via email
- Many of us are broadcasting from our homes. Please bear with us in case of technical issues





#### Host

## **Speakers**



**Dr Tom Schroder Head of Climate Action** South Pole



**Polly Hemming Communications and Engagement Manager** Climate Active



**Charles Henderson Director Corporate** Sustainability South Pole



**Shanti Mors Business Development Manager, Energy Solutions** Ecovantage







#### **About South Pole**

South Pole helps clients address climate change impacts, while mitigating risk and creating value on their sustainability journeys.

# Innovative Solutions

An award winning, 14-year history of providing sustainability solutions

# **Diverse Expertise**

Our team of 350+ sustainability advisors, scientists, and engineers are leading experts in their fields

## Global Presence

19 offices and representations around the world

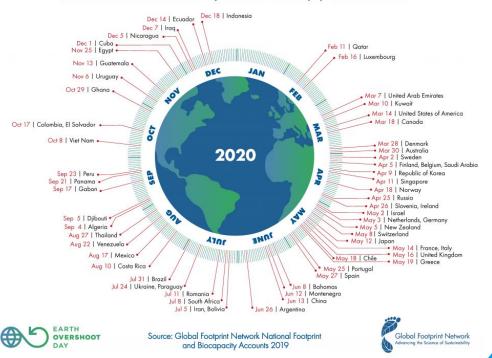
#### Offices & Global Representations:

Amsterdam, Bangkok, Beijing, Bogotá, Hanoi, Jakarta, London, Madrid, Medellín, Melbourne, Mexico City, New Delhi, New York, San Francisco, Singapore, Stockholm, Sydney & Zurich



#### **Country Overshoot Days 2020**

When would Earth Overshoot Day land if the world's population lived like...







DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

### BBC

Business leaders, cities and investors are being urged to back a UN campaign aiming for net-zero greenhouse gas emissions by 2050.



















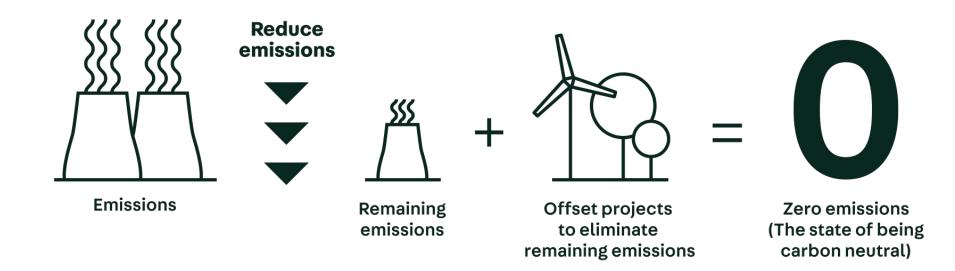








climateactive.org.au





What does being climate positive mean for IKEA?



#### Unilever's 'carbon positive' goal in full

We will become 'carbon positive' in our operations by 2030. To do this, we will:

- . Source 100% of our total energy across our operations from renewable sources by 2030
- . Source all our electricity purchased from the grid from renewable sources by 2020
- · Eliminate coal from our energy mix by 2020
- And in order to achieve our target of 'carbon positive' by 2030, we intend to directly support the generation of
  more renewable energy than we consume and make the surplus available to the markets and communities in
  which we operate.



### You should be doing this right now...

#### **Reducing Emissions**

- Changing practices
- Changing suppliers
- Improving energy efficiency
- Onsite renewable energy generation
- Purchasing LGCs

#### Offsetting with credible offsets

#### **Australian**

Australian Carbon Credit Units (ACCUs)

#### International

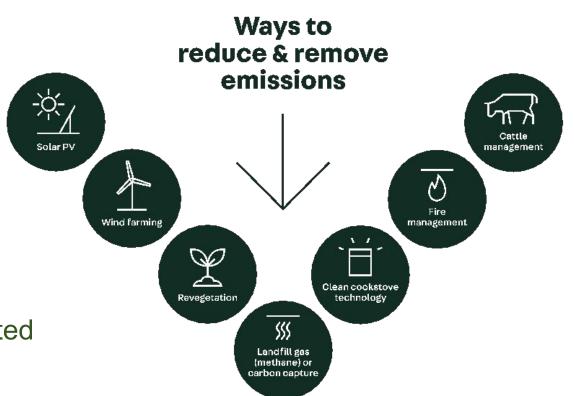
- CERs (Clean Development Mechanism)
- VERs (Gold Standard)
- VCUs (Verified Carbon Standard)

All international units must have a vintage later than 2012. The units are assessed by the department as meeting eligibility and integrity standards.

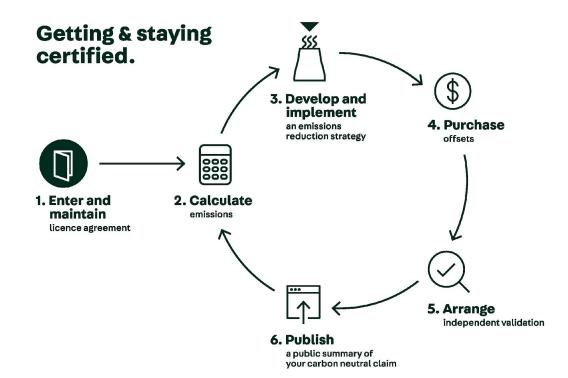


# Offsets integrity principles

- Additional
- Permanent
- Measurable
- Transparent
- Address leakage
- Independently audited
- Registered







































































































































































































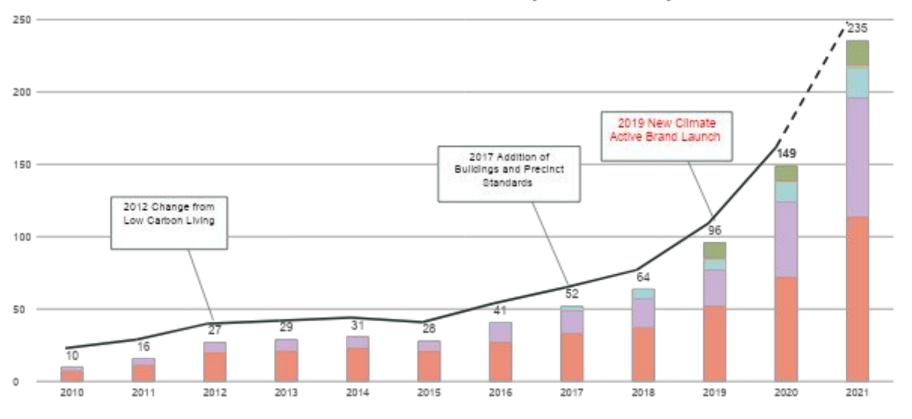








#### Certification Numbers as at 23 July 2020 and Projected Growth



Organisations @Products & Services @Events @Precincts @Buildings —Total (actual) —Total (projected)







#### What we offer our member network

- Marketing strategy and calendar of activities
- Messaging support and toolkit
- Marketing collateral
- · Social media promotion
- Events
- Networking and cross-pollination
- Market research



## YOUR JOURNEY TO

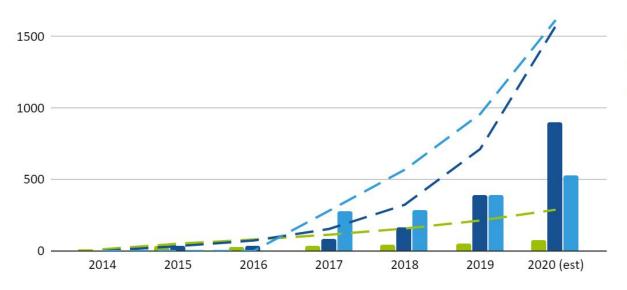
# NET ZERO STARTS HERE

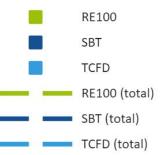


# Climate commitments are growing fast







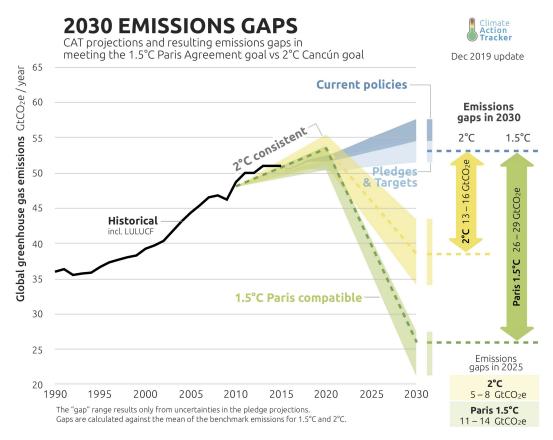


**RE100:** Commitment by company to buy 100% renewable energy

**SBT:** Commitment to set a Science-based target

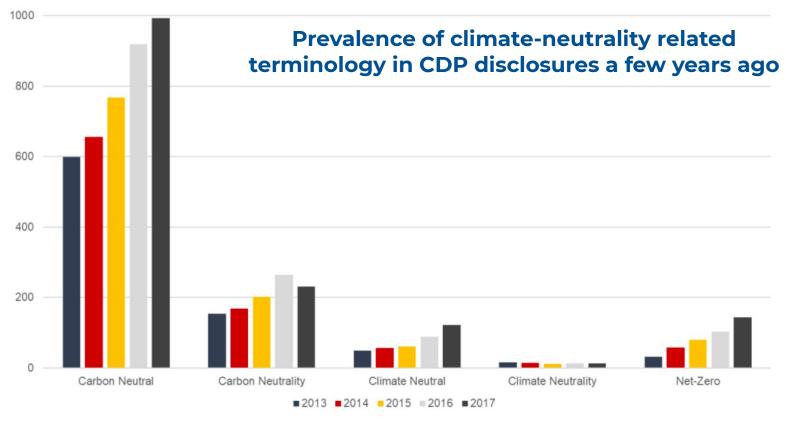
**TCFD:** Task-Force for Climate Related Disclosure; commitment to disclose climate risks south pole

#### What's driving Net Zero?



The current
ambition gap
requires strong
leadership and
measures beyond
IPCC scenarios by
the "coalition of the
willing"

## The (old) jungle of corporate climate pledges



#### **Recent Net Zero commitments**

































2030

2040

2050

#### The main ingredients of Net Zero

At global level

At company level

REDUCE global GHG Emissions

**REDUCTION** 

of Scope 1 + 2 + 3 emissions

**AVOIDED EMISSIONS** 

within & outside of value chain

INCREASE global CO2 sinks

**REMOVE CO2 EMISSIONS** 

through natural & technical removals within & outside value chain

But...

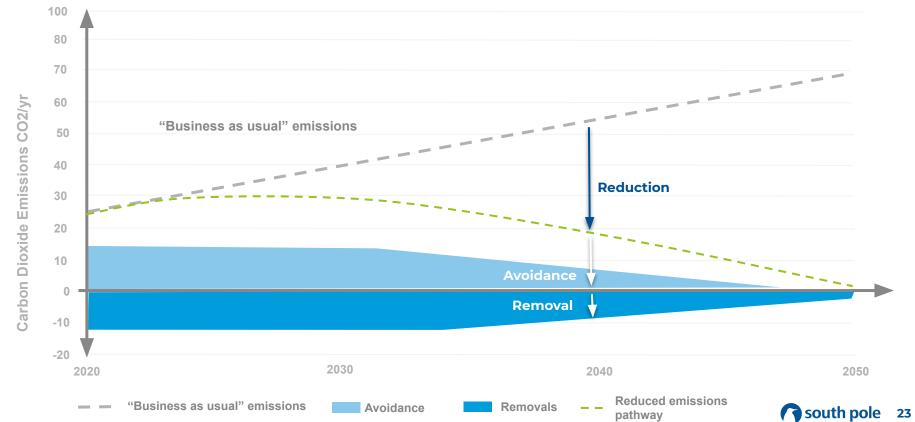
...how much of each ingredient?

...by when?

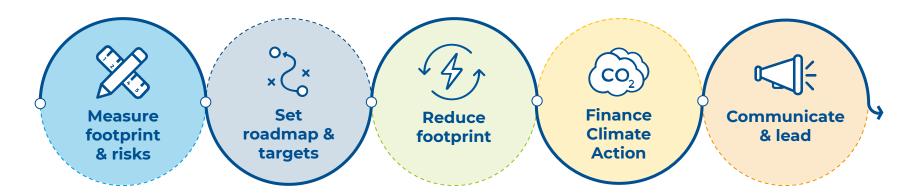
...what is a good quality ingredient?



## Visualising Net Zero



## The journey to Net Zero



Understand your carbon emissions, product impacts and climate change risks Develop sustainability strategies, targets and roadmaps Increase
efficiency,
procure
renewable energy
and decarbonise
your supply chain

Finance climate action, e.g. through offsetting unavoidable emissions or investing in impact funds

Engage
stakeholders
in your
sustainability
vision and
communicate the
results





# **Energy Efficiency**

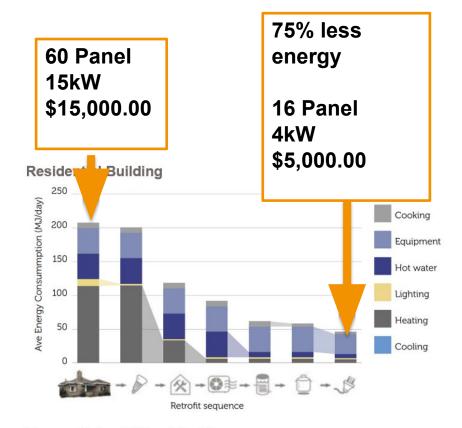


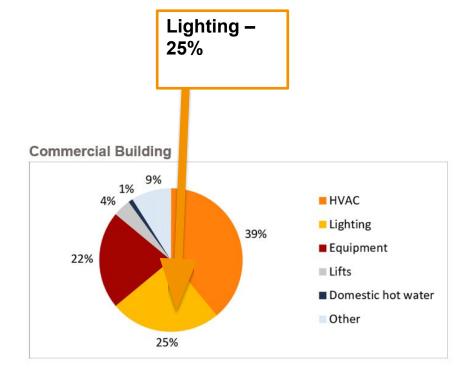
Turn off the lights!

Take shorter showers!

Turn off the heater! ... air-conditioner!







Source: BZE - Million Jobs Plan

Source: NABERS Indoor Environment tool



# Case Study -Chep Brambles



**Energy Savings** \$50,000 / year



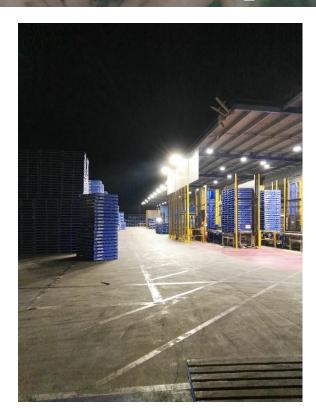
**Lighting Energy Savings** 70%



Payback Period 12 months



**Rebate Available**NSW Energy Saving
Scheme





# Case Study -Randwick Council



**Estimated Annual Savings** \$63,890 / year



Estimated Energy Savings 74%



Payback Period
1.9 years







**Rebate Available**NSW Energy Saving Scheme



# Case Study -Supermarket Refrigeration



**Estimated Annual Savings** \$13,800 per year



Estimated Energy Savings 50%



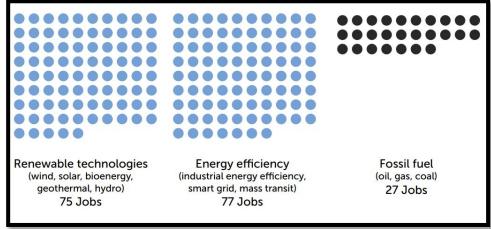
Payback Period
10 months



Rebate Available
Victorian Energy Efficiency
Target (VEET) and the NSW
Energy Saving Scheme (ESS)



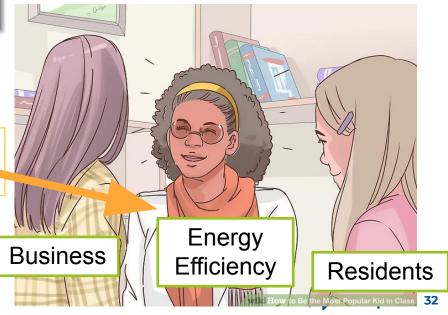




Source: BZE – Million Jobs Plan

Now who's the popular one!





# Save Your Energy

- Visit the landing page powertosave.ecovantage.com.au/climate-chatt er
- 2. Find out what is using the most energy
- 3. Engage with your local rebates/schemes
- 4. Tackle the low hanging fruit first

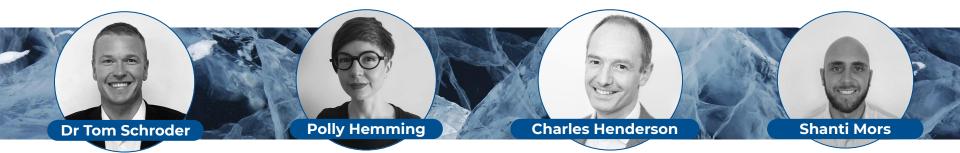


# **Q&A** session



#### Thank you for joining us!

#### Feel free to get in touch



Head of Climate Action South Pole t.schroder@southpole.com Communications and Engagement Manager Climate Active
Polly.Hemming@industry.gov.au

Director Corporate
Sustainability
South Pole
c.henderson@southpole.com

Business Development Manager,
Energy Solutions
Ecovantage
shanti.mors@ecovantage.com.au



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