

# CLIMATE TRANSITION

The need for collaboration

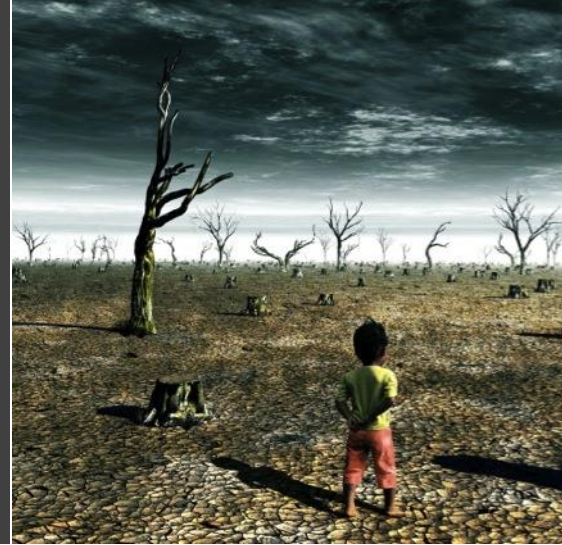
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WWF Sweden



# The climate is changing...



wet places are  
getting wetter



dry places are  
getting drier



Ice is melting at  
an unprecedented  
rate



and extreme  
events are  
getting more  
intense and  
more frequent

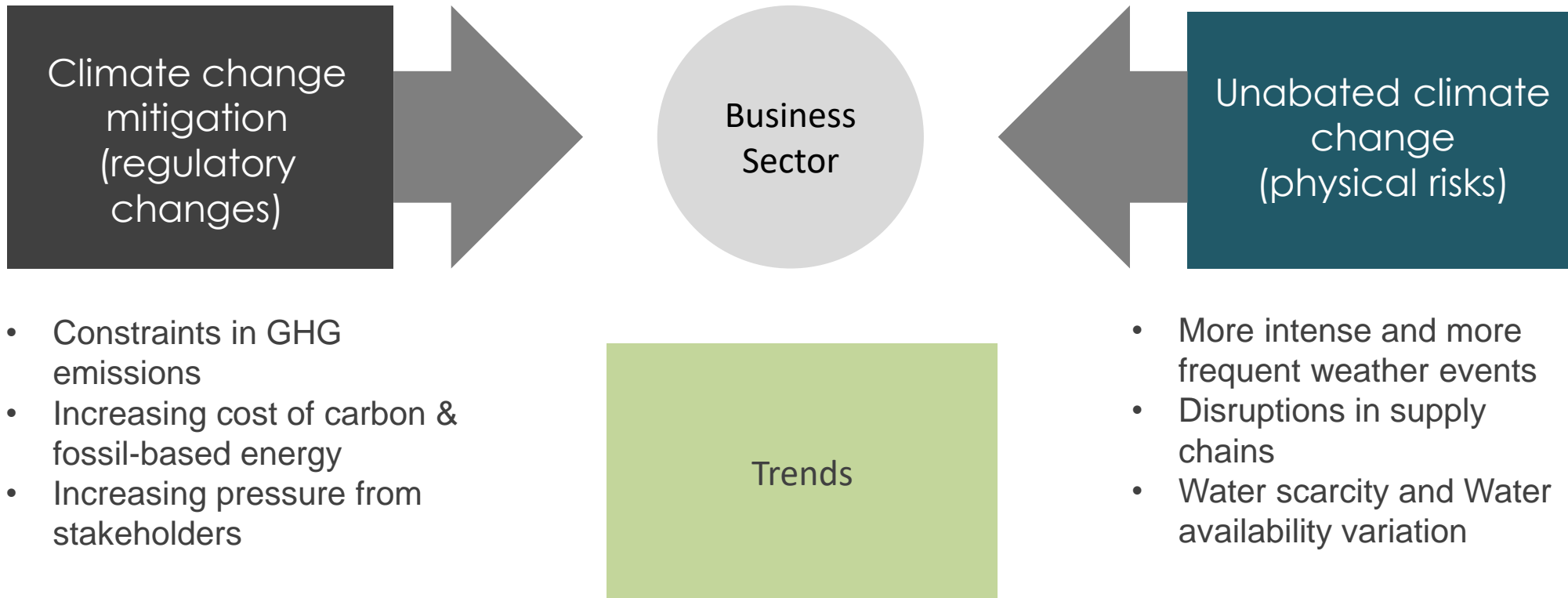
# The climate is changing...

climate change represents a significant threat to the livelihoods of millions



and unprecedented risk to the natural world, particularly polar and reef ecosystems.

# ...and business is not immune

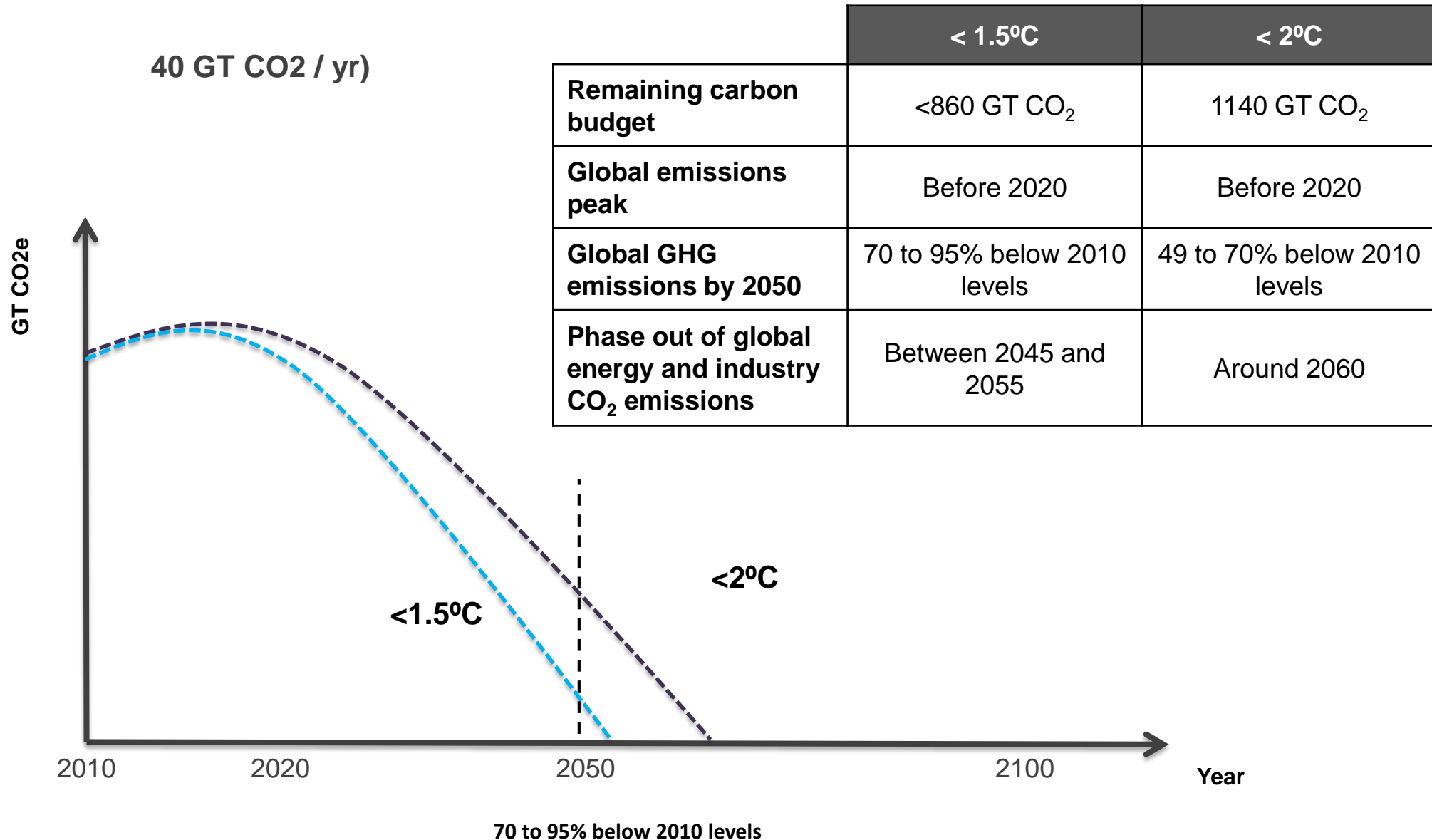


- Constraints in GHG emissions
- Increasing cost of carbon & fossil-based energy
- Increasing pressure from stakeholders

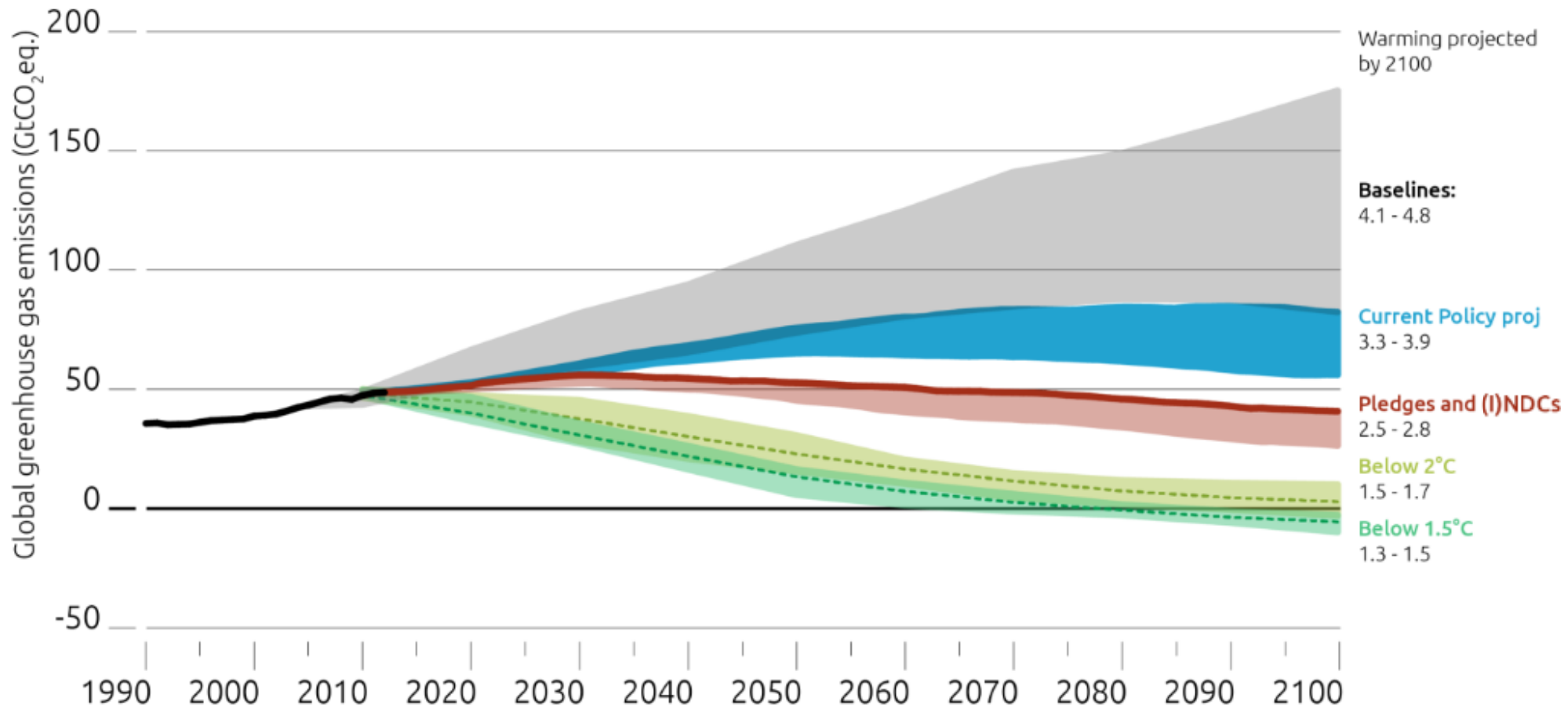
- More intense and more frequent weather events
- Disruptions in supply chains
- Water scarcity and Water availability variation

- Population will increase to 9-10 billion
- The global economy will grow by 300%-400% compared to the economy size in 2010
- The global demand for products, materials and services will grow accordingly
- All this while significantly reducing GHG emissions according to our finite carbon budget

# Understanding the 2°C emissions gap

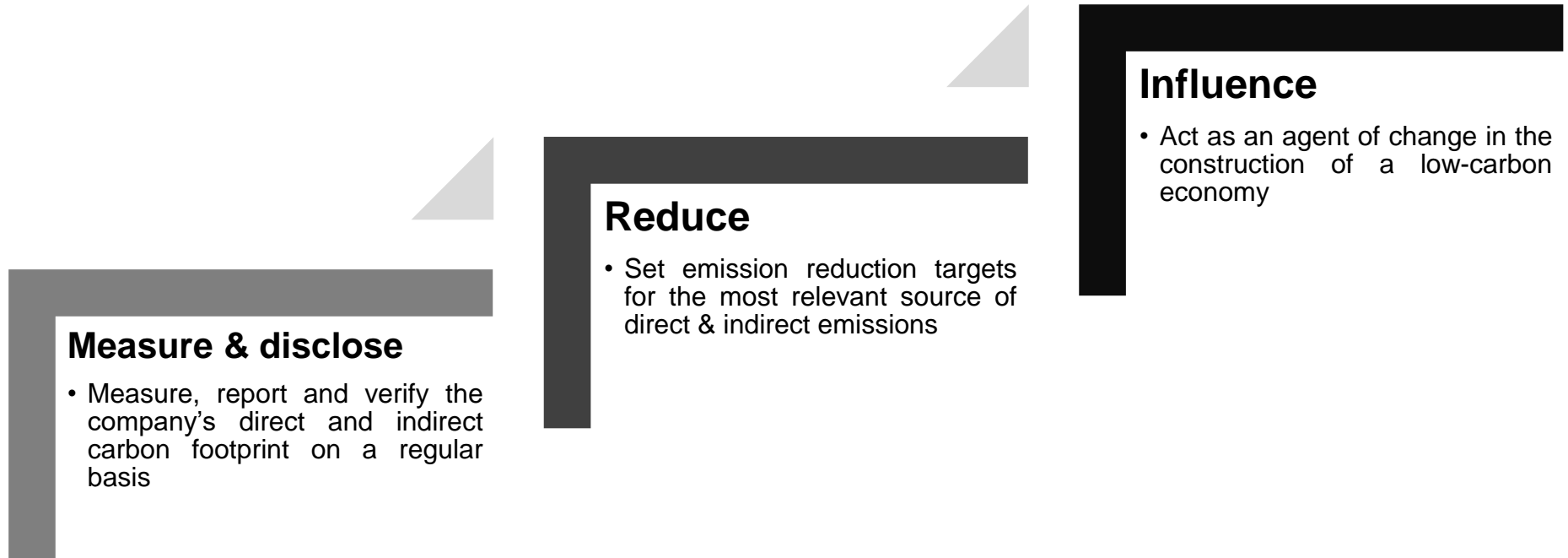


# The need for science based targets



Source: Climate Action Tracker 2017

# Carbon Leadership Ladder





# Collaborative Initiatives

No organization can do it alone



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## Science-based targets | The Science Based Targets initiative

The Science Based Targets initiative champions science-based target setting as a powerful way of boosting companies' competitive advantage in the transition to the low-carbon economy.

PARTNER ORGANIZATIONS



WORLD  
RESOURCES  
INSTITUTE





# REBA

## Renewable Energy Buyers Alliance



Choice



New projects



Cost  
Competitiveness



Financing tools



Long-term pricing



Cooperation



WORLD  
RESOURCES  
INSTITUTE



BSR



## SUMMARY

Partnership-based climate leadership program intended to demonstrate that ambitious (i.e. science-based) emission reduction targets can go hand-in-hand with economic growth. Climate Savers companies commit to adopt science-based emission reduction targets for the emissions under their control and to become agents of change in their spheres of influence.

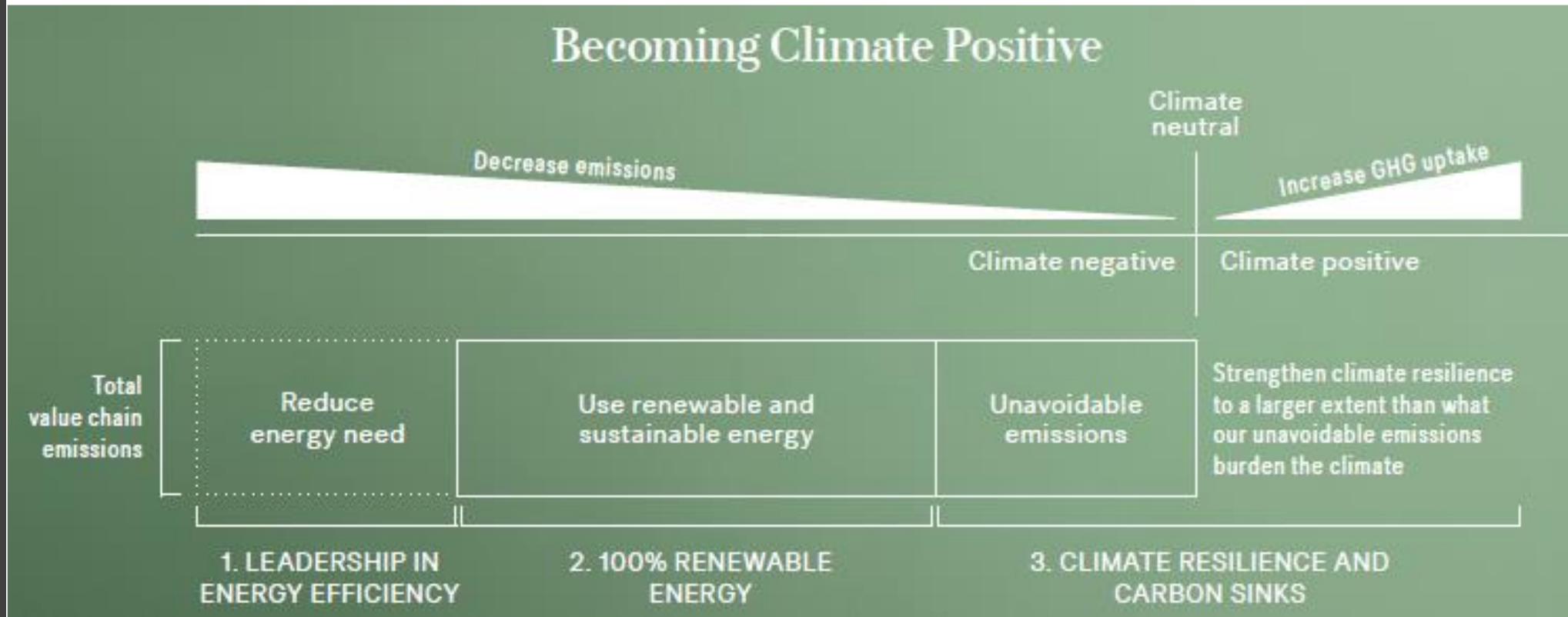
- Reducing the corporate climate footprint through directly engaging corporate climate leaders.
- Influence market and/or policy developments by having our partners act as 'agents of change' across society.
- Recognize and demonstrate corporate climate leadership by promoting our corporate partners' vision, solutions and achievements

## EXPECTED IMPACT

A direct impact of about 350 million tones of CO<sub>2</sub> in 2020, through the emission reduction targets of the partner companies is expected in addition to indirect impact through policy engagement activities and magnification throughout the sector and value chain.



# What does it take to decarbonize?



## THE COMMITMENT 2015-2020

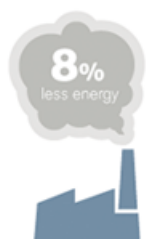
An important element of our new 2015-2020 commitment is to act as a magnifier for Climate Savers. This means focusing on activities that enhance environmental development within the transport and infrastructure sectors.



2015-2020

### Products

A cumulative reduction of emissions from products and production by at least 40 Million tons of CO<sub>2</sub> by 2020 compared with 2013.



2015-2020

### Production

Improving energy efficiency in production by implementing energy saving measures giving 150 GWh/year in savings. This corresponds to 8% of the energy use in Volvo Group's production sites.



### Transport

Reducing CO<sub>2</sub> emissions per produced unit from the Volvo Group freight transport by 20% by 2020.

- Developing truck prototypes with substantially lower fuel consumption compared with a corresponding truck today.
- Volvo CE will develop and demonstrate technologies with considerable efficiency improvements.
- Encourage and help ten selected suppliers to improve energy efficiency.

- Starting up a so-called [City Mobility concept](#) in at least five cities. City Mobility is the collective term for an offering in which Volvo Buses collaborates with cities and regions to find the best and most energy-efficient public transport solution. One example is to plan for the infrastructure required for electric city buses.
- Hosting the [Construction Climate Challenge \(CCC\)](#) that aims to create a dialogue with construction industry representatives, academia and politicians, as well as providing funding for new research and share existing knowledge and resources to help the industry make a difference for generations to come.

A photograph of several wind turbines in a field of tall, golden grass at sunset. The sun is low on the horizon, creating a warm, golden glow. The sky is filled with soft, white clouds. The turbines are silhouetted against the bright sky. The foreground is filled with tall, golden grass that is slightly out of focus.

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