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CAPEWINE 2018

DELIVERED BY



Andrew Milne

CEO

¹⁶⁹²
Spier



We've reached a milestone.....
(Peter Kotecki, Business Insider)



.....in our demand for earth's natural resources, and it could have major consequences



- This year's Earth Overshoot Day falls on August 1 the earliest it has ever been (in 1970 it fell on December 29)
- Renewable natural resources are being consumed 1.7 times faster than they can regenerate, according to the Global Footprint Network

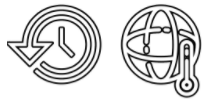
Overshoot impact



The impact of this overshoot is widely apparent, more severe droughts and hurricanes (extreme climatic events) are occurring since overshoot involves rising carbon concentrations in the atmosphere which contribute to (global warming and) climate change

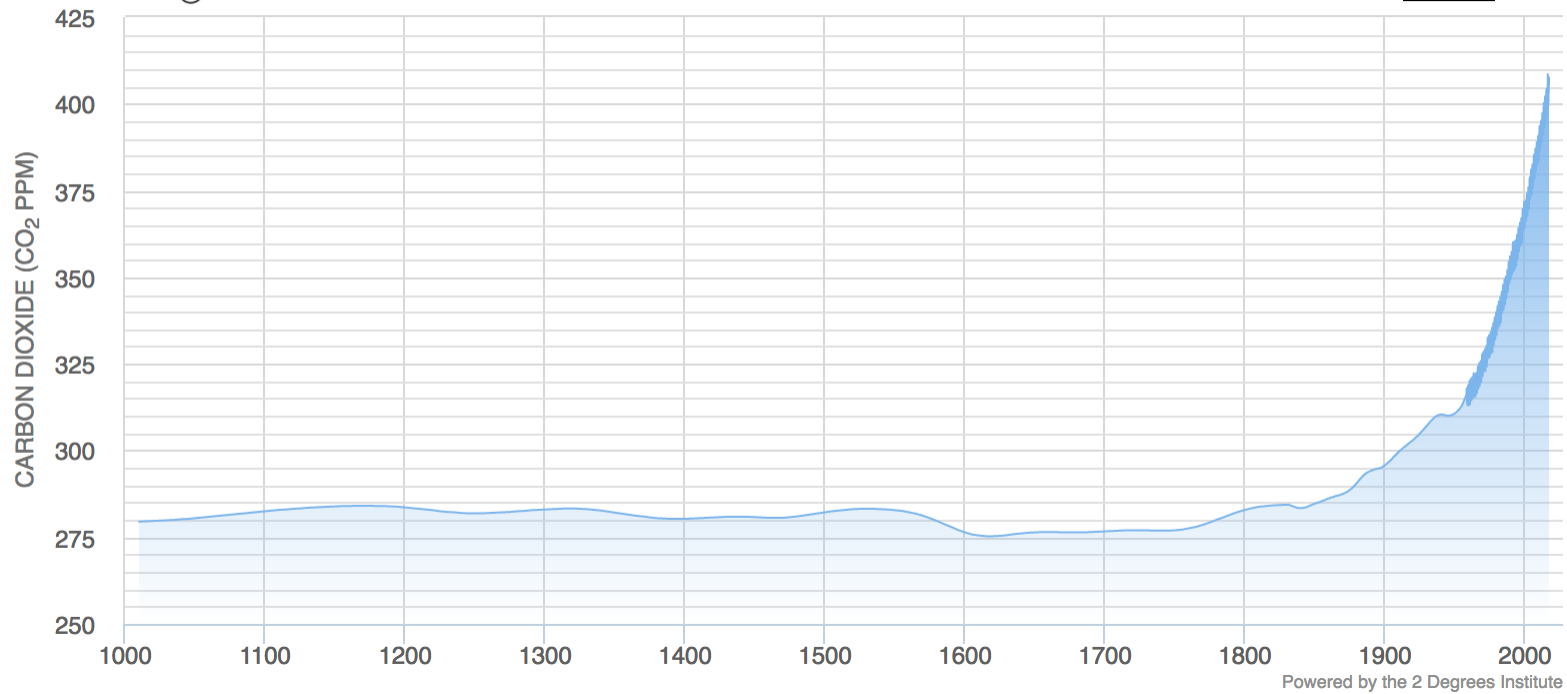


Global CO₂ LEVELS



GLOBAL CO₂ LEVELS

Click and drag in the plot area to zoom in

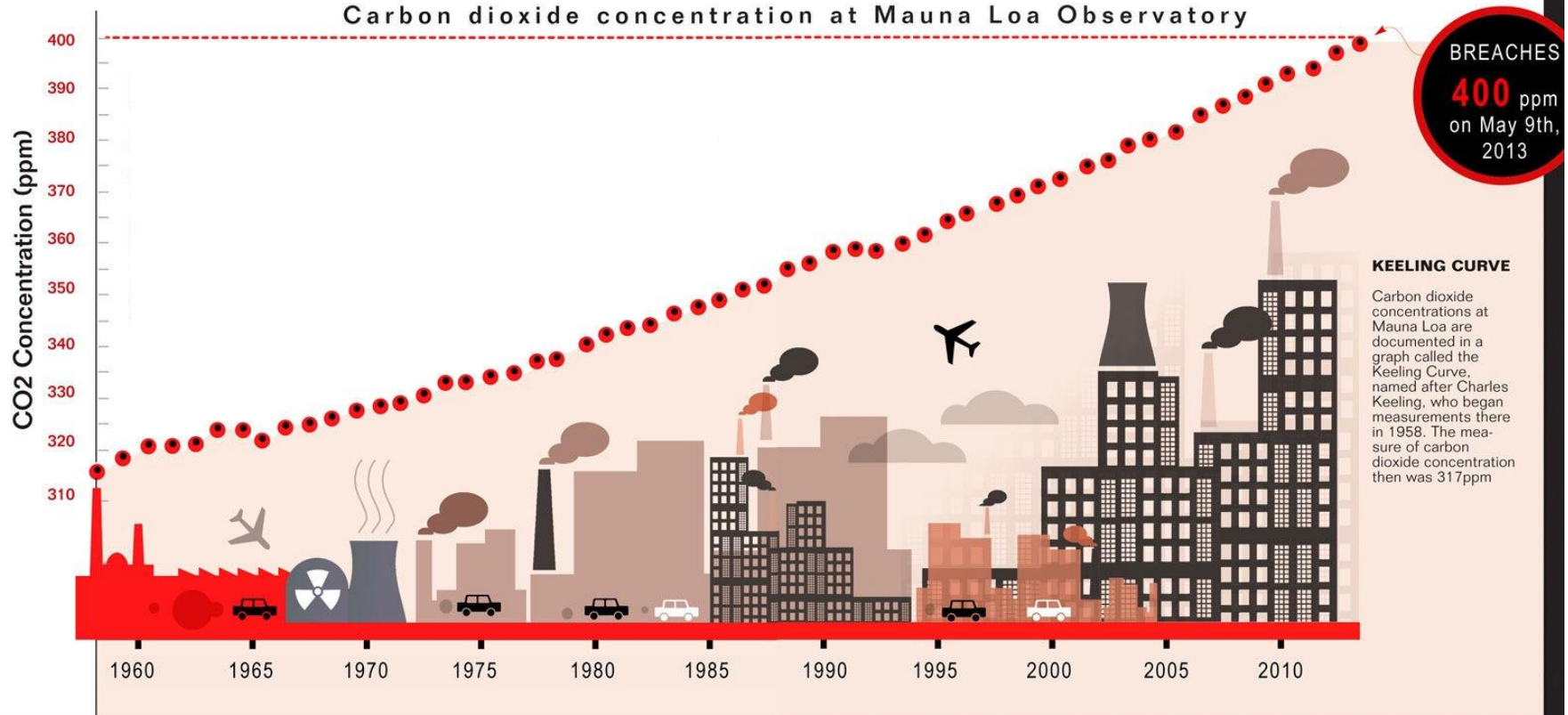


Carbon Dioxide Concentration



A first in human history

Carbon dioxide concentration at Mauna Loa Observatory



Spier's approach to environmental sustainability



Who:

- 300 year-old wine farm in Stellenbosch
- Wine production & wine tourism
- Hotel, conference centre, restaurants
- Wine production - 6000 ton cellar
- 500 employees

Sustainability focus:

- Family owned (current owners since 1993) – see themselves as custodians
- An early start to goal-setting & measurement (2007)
- A focus on: Water, Waste, Energy, Soil Re-generation and, in particular, People

Water



- Focus on measurement, reduction, re-use & recycling
- Water treatment plant recycles 100% of all waste water
- Re-used for irrigation



Waste



- Focus on reduction, sorting & re-cycling
- Less than 3% to landfill



Energy



- Focus on measurement & reduction
- Any increase in future demand to be supplied via renewables



Collaboration – the route to sustainability



-When devising a sustainability strategy, business model innovation is important, but succeeding in sustainability doesn't stop there. Increasingly, sustainability progress depends on transforming the way entire industries function.

-A business system perspective takes into account the larger social and environmental context within which industry operates. Altering a business system is a team effort, relying on cooperative engagement with both business and non-business stakeholders.

-Success in collaboration is learned on the job in the school of hard knocks. It first takes commitment, with companies maintaining sustainability as a top management agenda.

(MIT Sloan Management Review/Boston Consulting Group)

Stellenbosch water collabotary



- Established four years ago – a collaborative of likeminded organisations & people concerned about the water quality of the Eerste River catchment
- Includes business, academia, organizations, local & national government
- See themselves as stewards with the aim to develop a collaborative governance response to water quality issues & the environment

Staff collaboration



We believe that behavioural change within the organisation is what makes the difference, it must become a part of your business DNA

Achieved through:

- Education
- Goal Setting
- Innovation
- Empowerment
- And, 'relatable'

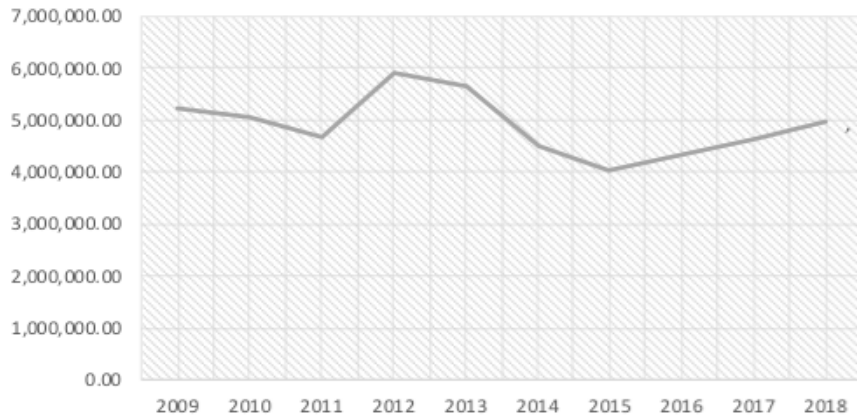
Love the Land



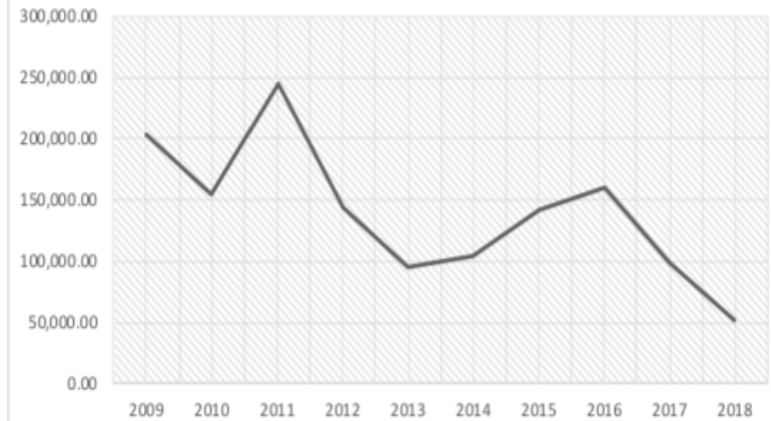
Measurement (absolute) 2007 - 2017



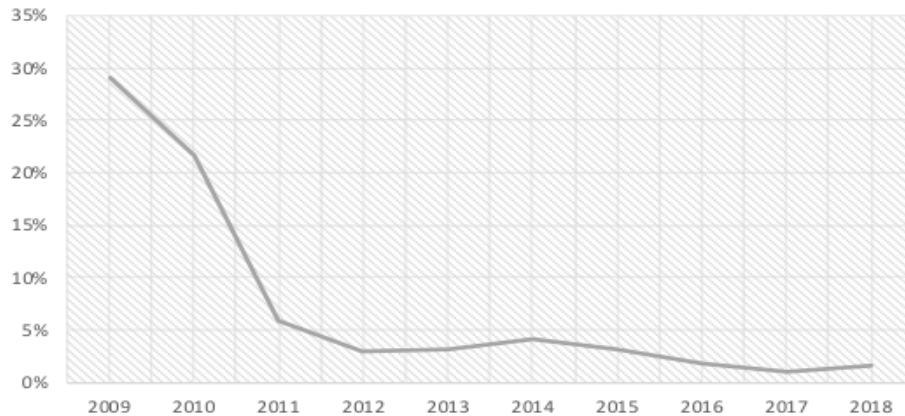
Electricity



Water



Waste





Thank you

