





What do you want to achieve?

Navigating without a destination



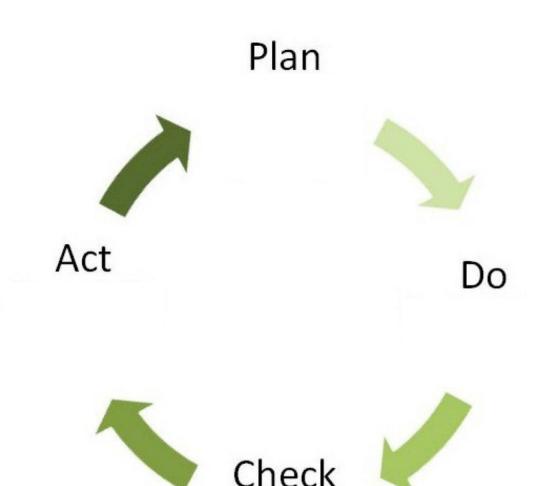
Guided by Environmental management systems
Setting incremental targets based on what seems
financially sound



Carbon Disclosure Project

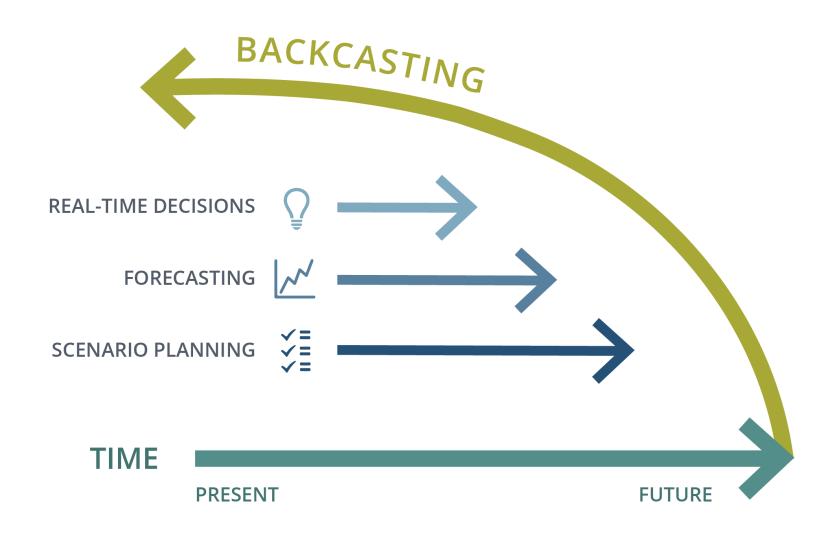
Dow Jones Sustainability Index

Etc.

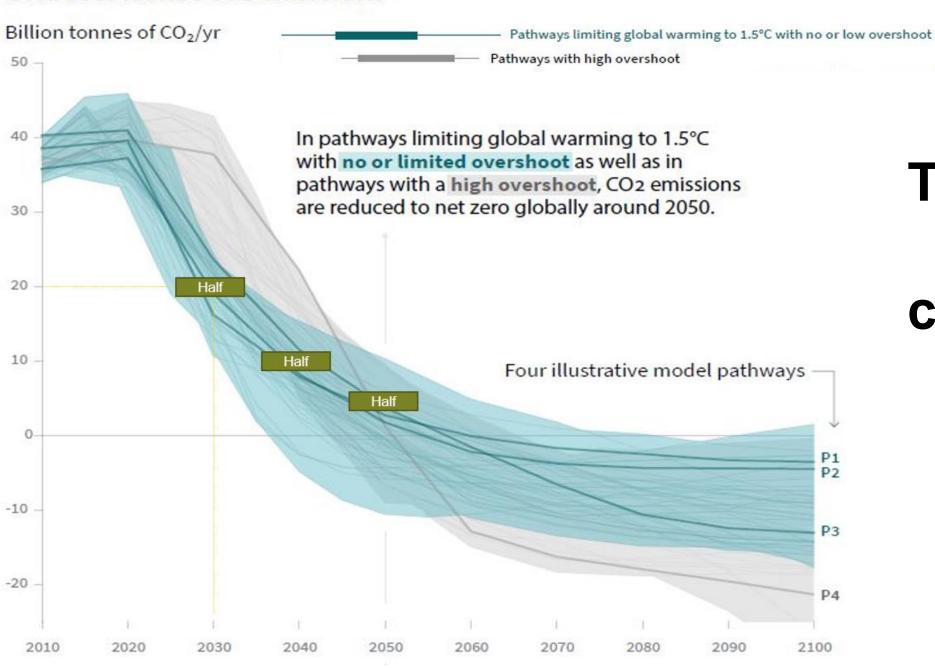


Finding the future we want... and getting there





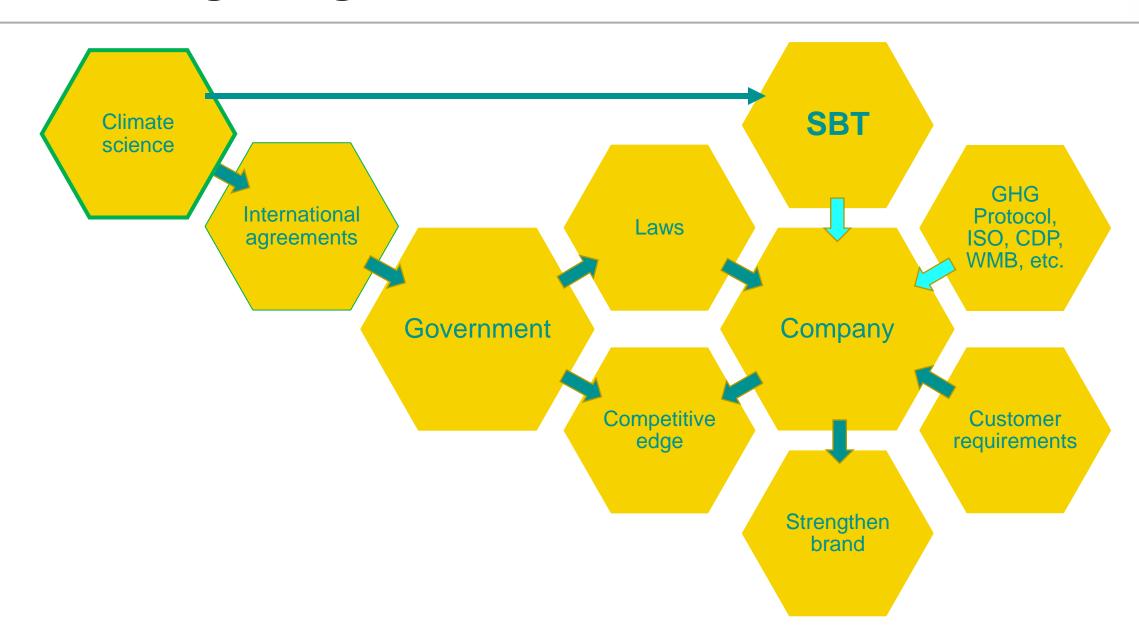
Global total net CO2 emissions



The vision and challenge!

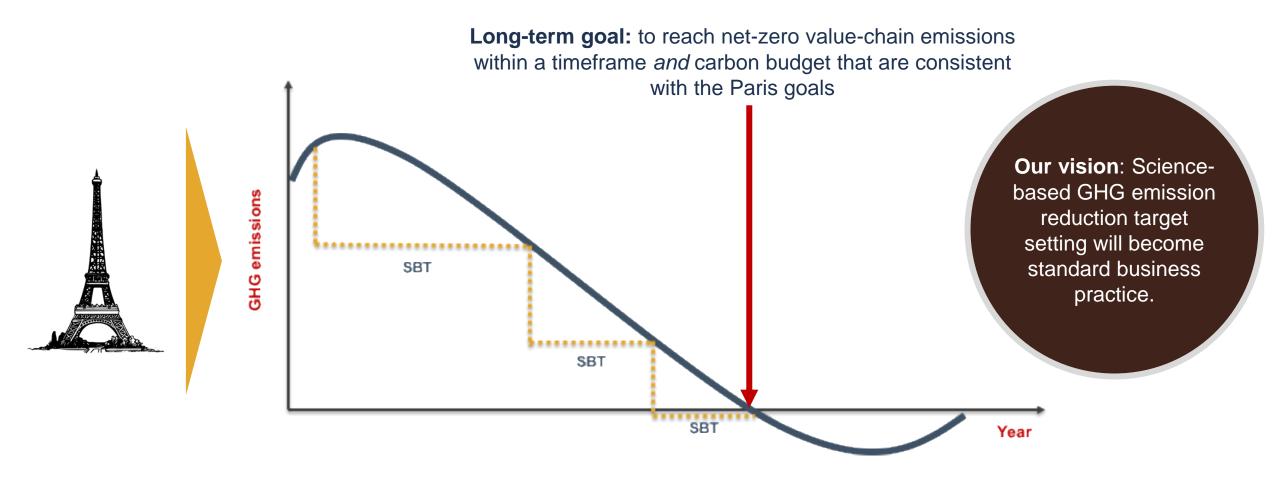
Facilitating mitigation





Aim of the Science Based Targets initiative





"SBTs are to businesses, what NDCs are to countries."

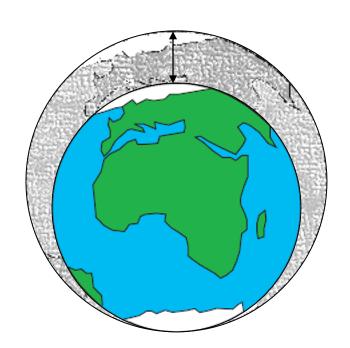
Aligning ambition with science

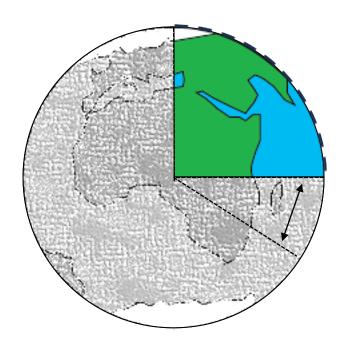


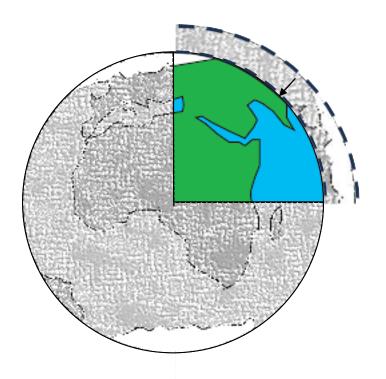
1. Choosing a scenario What's the global carbon budget?

2. Allocating the carbon budget What's my share?

3. Setting the target How much do I need to reduce?

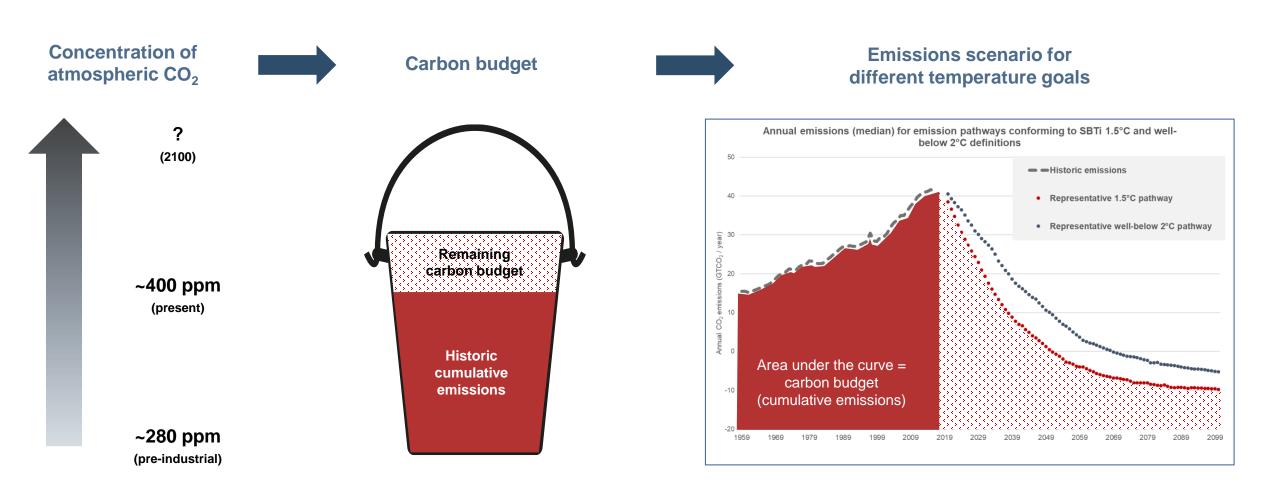






Choosing a scenario: Global carbon budget

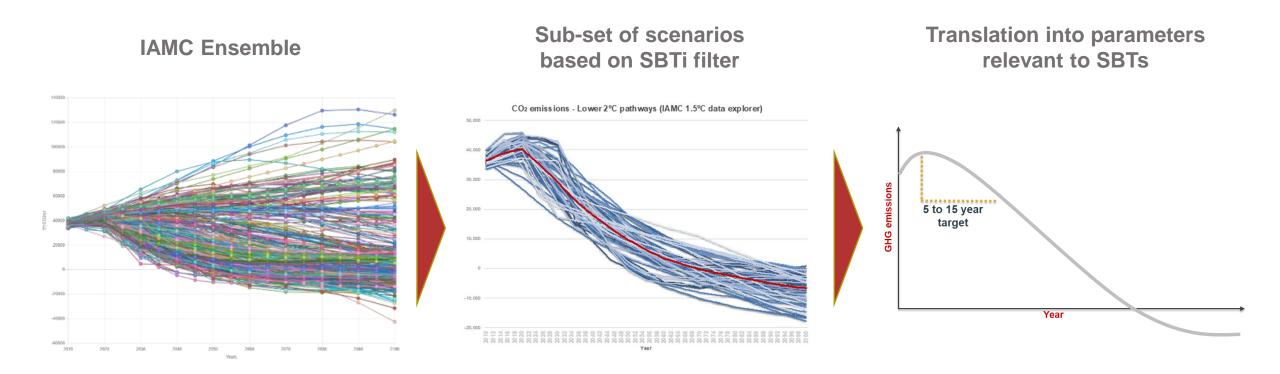




Sources: SBTi analysis based on data from IAMC 1.5°C Scenario Explorer and Data hosted by IIASA and Global Carbon Project. (2017). Supplemental data of Global Carbon Budget 2017 (Version 1.0)

Choosing a scenario: SBTi parameters





- Scenarios drawn from the Integrated Assessment Modeling Consortium (IAMC) are used to construct a scenario envelope for 1.5°C and well-below 2°C (WB2D) Compliance.
- Four-step selection process to ensure that the combined set of scenarios is aligned with the principles of plausibility, responsibility, objectivity, and consistency.
- Linear reduction rate calculated 2020-2035.

Allocating the carbon budget



A) Sector-agnostic absolute contraction

- Scope 1&2 emissions: contraction of absolute emissions in line with decarbonisation rate of climate scenarios
- Scope 3 emissions: contraction of absolute emissions, or emission intensity with lower ambition thresholds than 1&2; supplier engagement targets to set SBTs
- Can be used by companies from all sectors, <u>except</u>
 Financial Institutions and Oil & Gas

B) Sector-specific methods

- Sectoral Decarbonization Approach (SDA) provides sectoral decarbonisation pathways that enable emission intensity targets.
- SDA currently covers large parts of heavy industry, power, real estate, ICT sector, and some transport sectors, with some of these still in development/refinement.
- The SBTi is also developing more bespoke sector approaches for key sectors, specifically Oil & Gas Forestry, Land, and Agriculture, and Financial Institutions

Setting the target



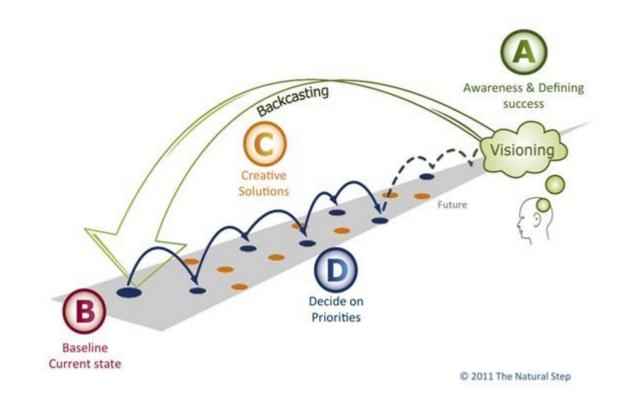
What's my baseline carbon footprint?

What's my baseline carbon intensity?

Where are emission hotspots in my value chain?

Where in my value chain should I focus action?

How much will my business grow?



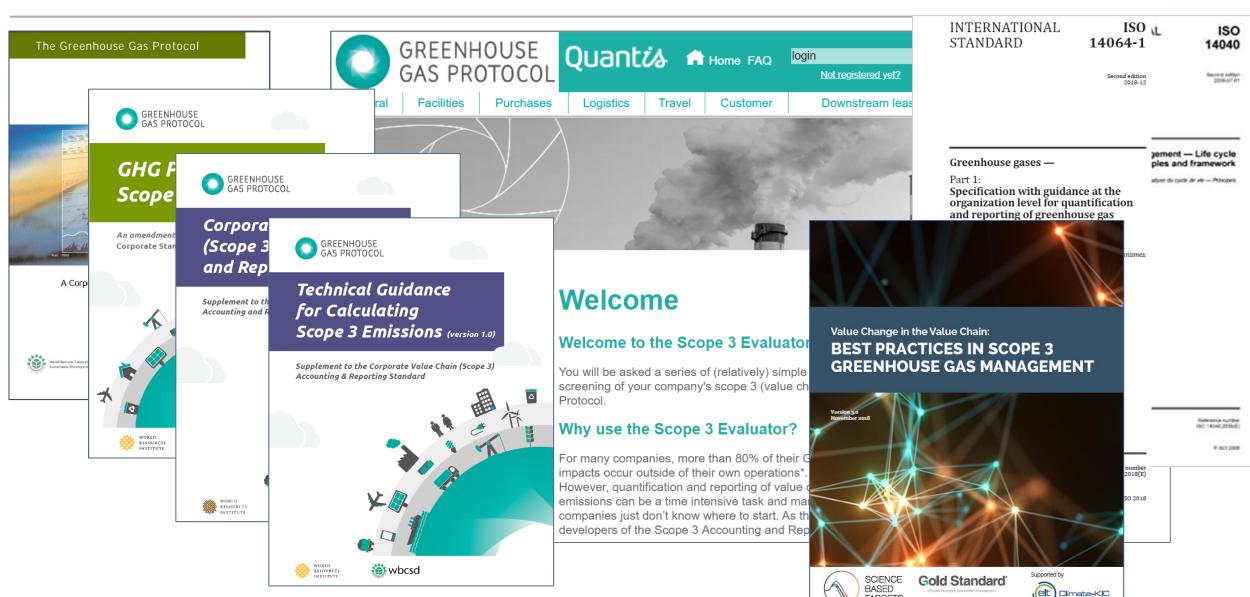
What gets measured gets managed!

Facilitating measurement



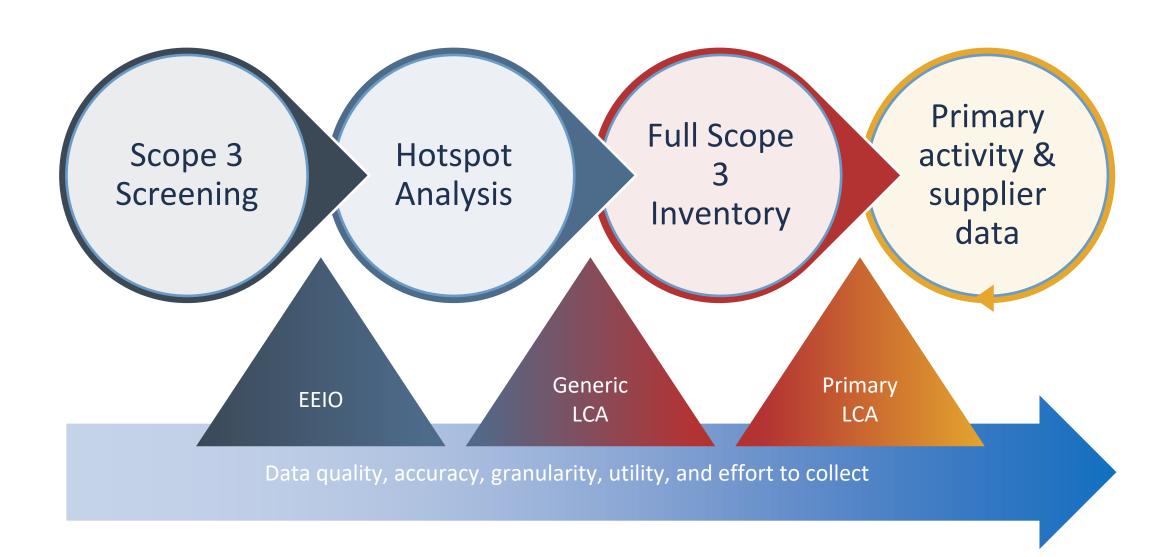
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Climate-HC is supported by the ETL a bedy of the Gurageon Union



Setting a Scope 3 target

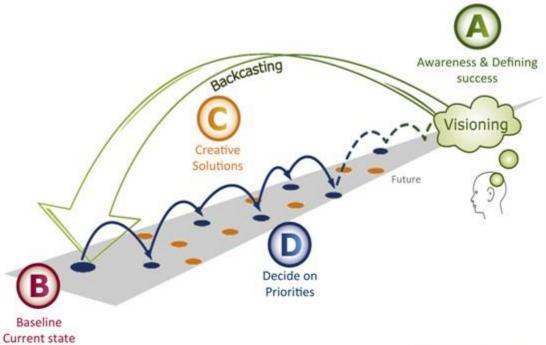




Role of LCA?



How can LCA and your work support the path to our brighter future?





A few thoughts for today



 How to include avoided emissions in company footprints? A necessary development!

Connect material flows by using LCA

Prospective LCA

Circular economy

Attributional LCA

Supply chain

- Huge challenge to move from EEIO to manageable LCA data
- All need data

Biodiversity and other aspects

Consequential LCA

Avoided

emissions

SBTn

Biodiversity and other aspects

Prospective LCA

Biobased

How do we include biobased CO₂? Zero?

Link to other environmental aspects and societal perspectives

How can data be included in LCA?

Sector roadmaps

Prospective LCA

- Specific guidance for sectors
- Standard data sets



TOGETHER POSSIBLE OF WAR

Only together can we to turn the tide on global emissions to achieve a halving by 2030 & net zero by no later than 2050



Climate Business Network #NetZero Economy

https://wwf.panda.org/climatebusinessnetwork/

Contact: johan.widheden@wwf.se