

# Piketty is alive and well in Canada

What is the impact of pricing  
power on low carbon innovation?

February 2018



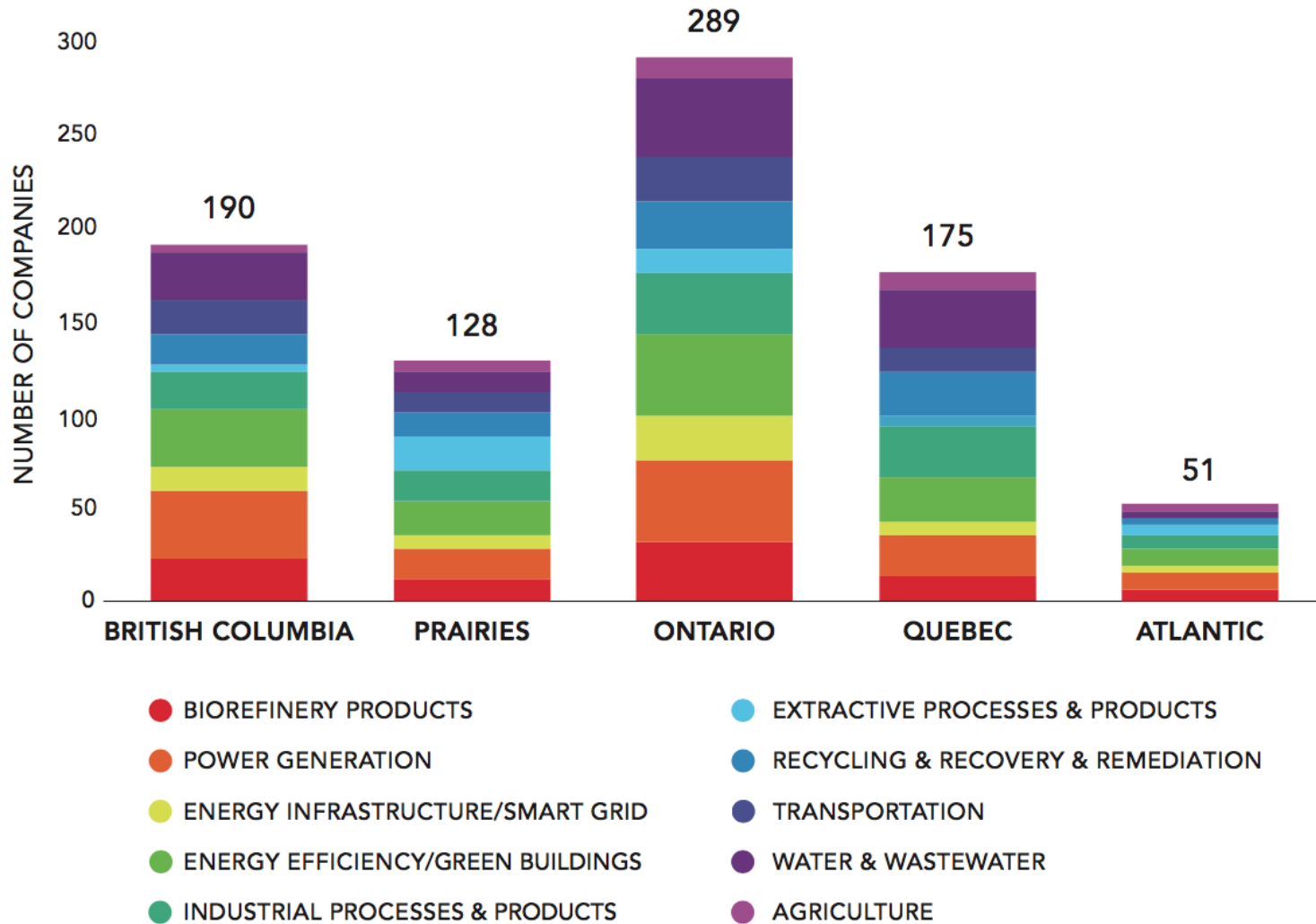
analytica advisors





analytica advisors

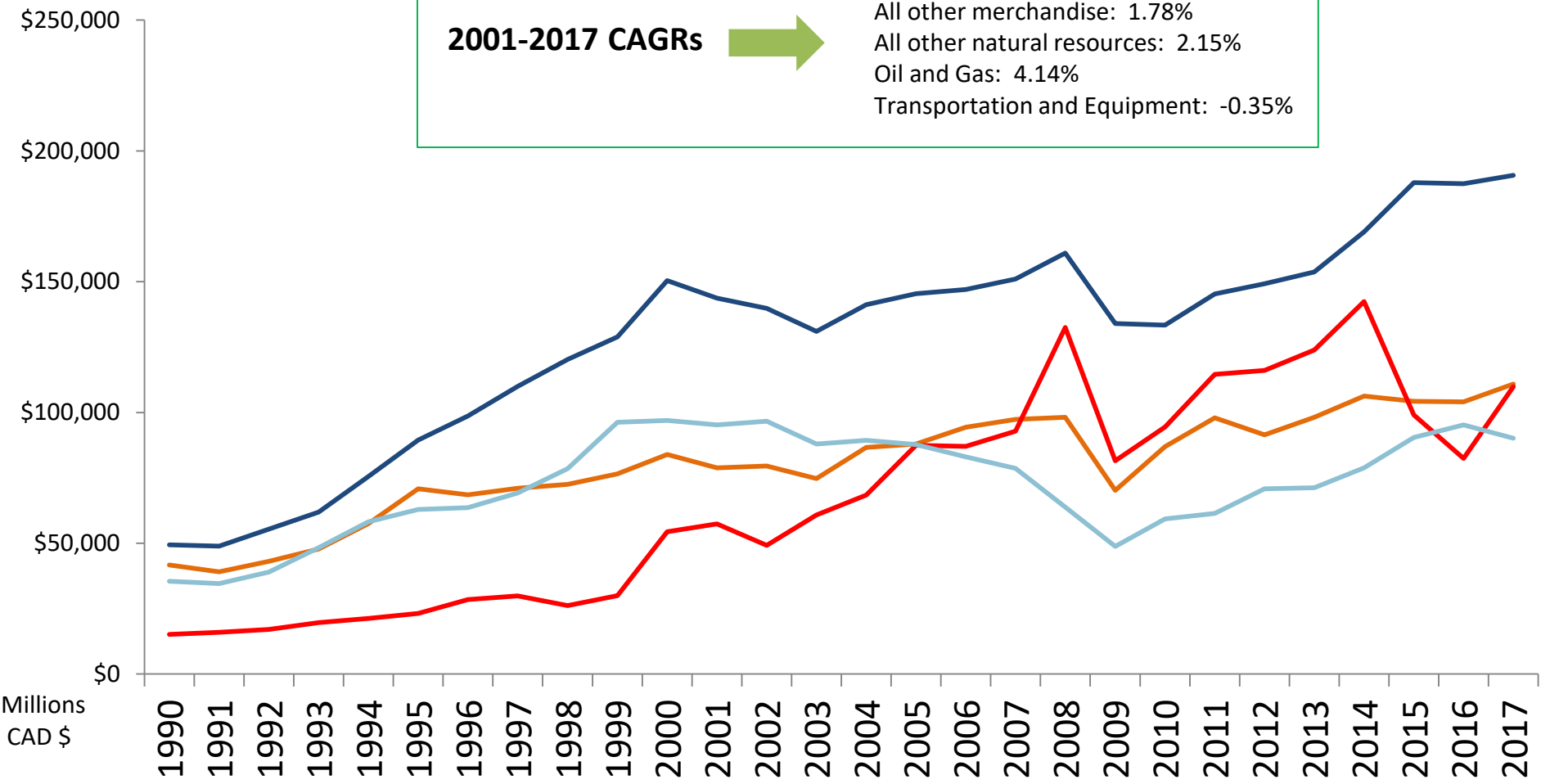
## COMPANIES BY SECTOR AND REGION



# Canadian Exports

**2001-2017 CAGRs** →

- All other merchandise: 1.78%
- All other natural resources: 2.15%
- Oil and Gas: 4.14%
- Transportation and Equipment: -0.35%



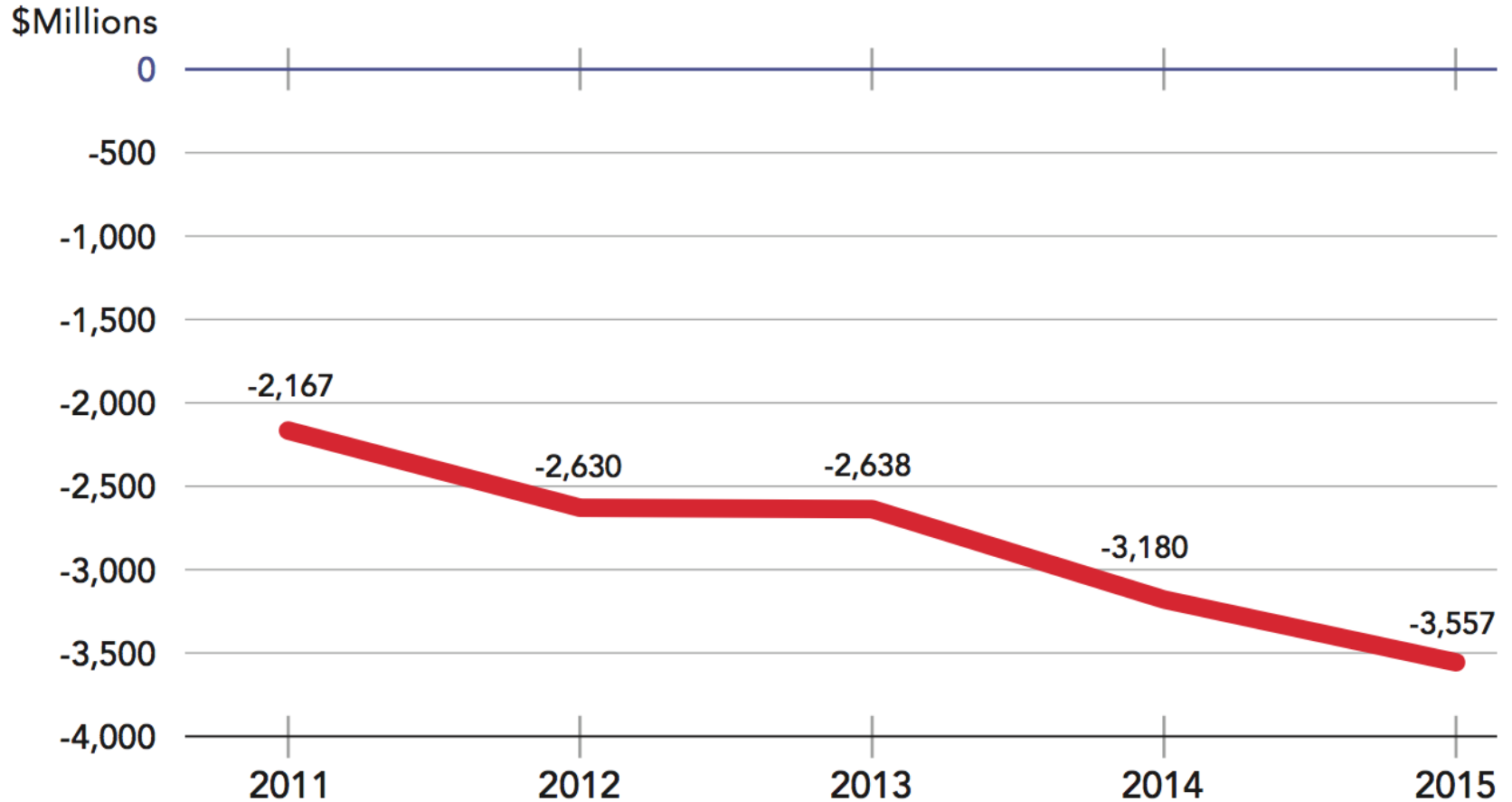
- All other natural resources
- Oil and Gas
- All other merchandise
- Transportation and Equipment



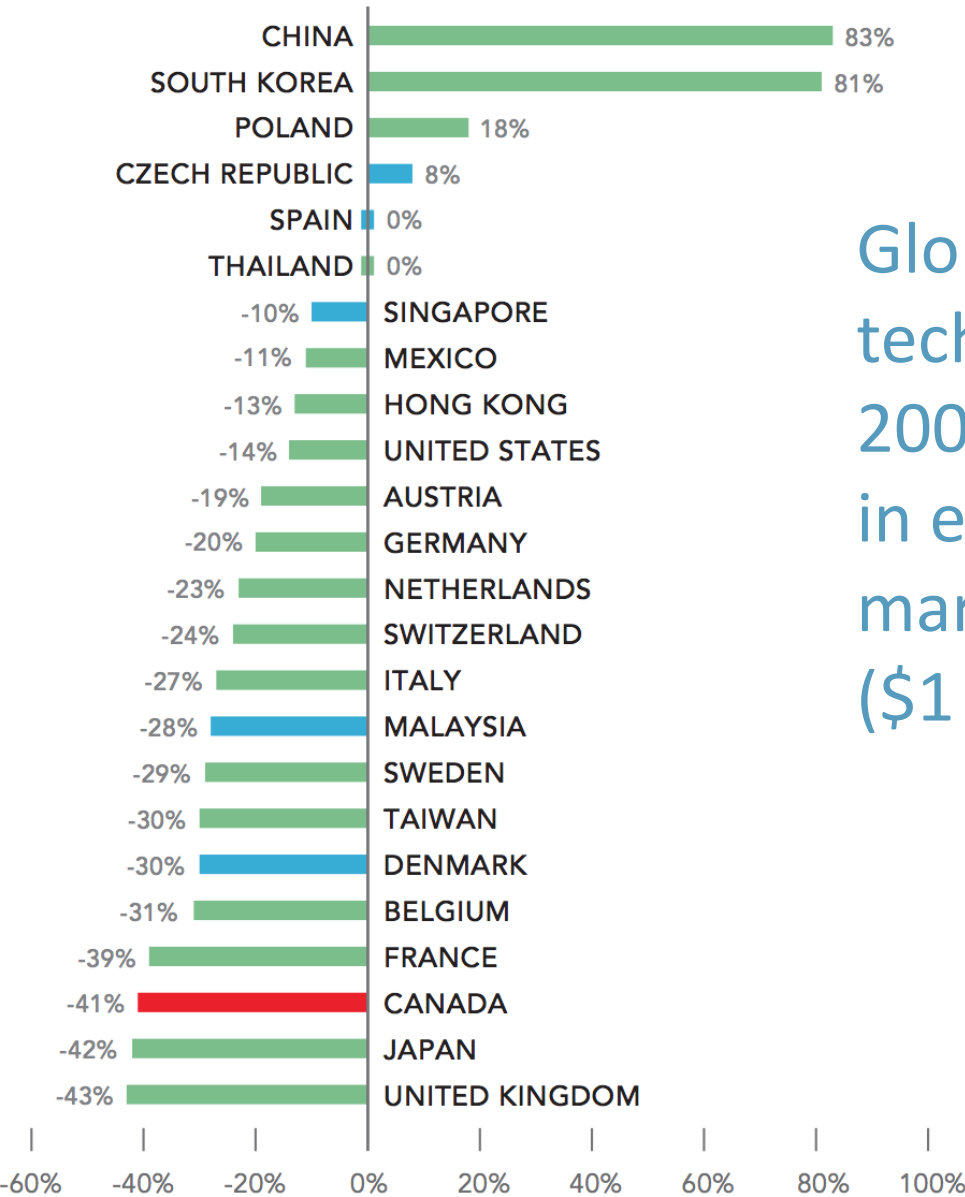
Data Source: Statistics Canada  
Source: Analytica Advisors

# The value of low carbon innovation is low and declining

RETAINED EARNINGS, CANADIAN CLEAN TECHNOLOGY FIRMS, 2011-2015



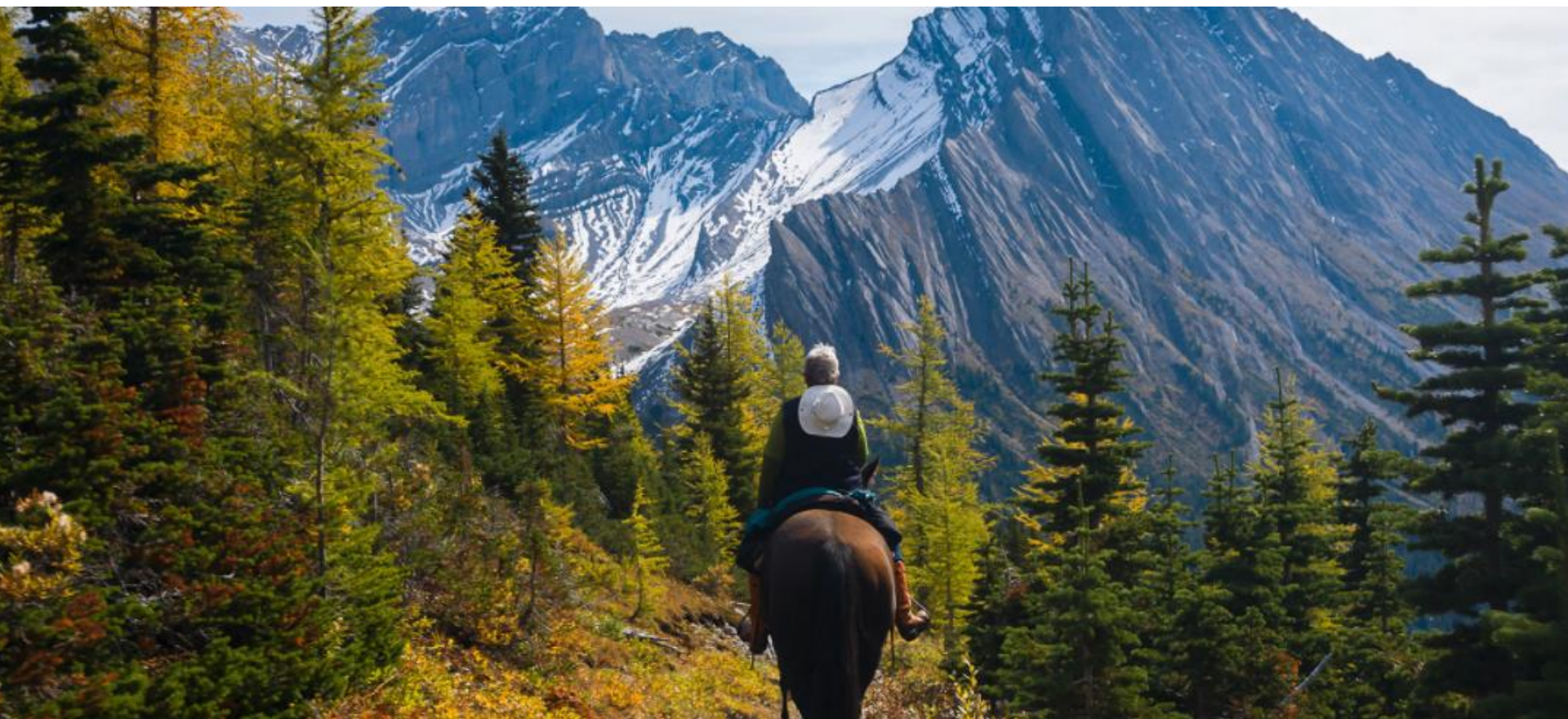
Source: Analytica Advisors  
Data Source: Statistics Canada  
Number of firms: 741



# Global clean technology market: 2005– 2013 Change in exports global market share (\$1 T Global Market)

Data Source: World Trade Atlas  
 Source: Analytica Advisors





# Increasing GHG Reduction Ambition - Corporate leadership pathways





David Leveson, Bloomberg

*Mark Carney (L) Chair of the Financial Stability Board*

[+]



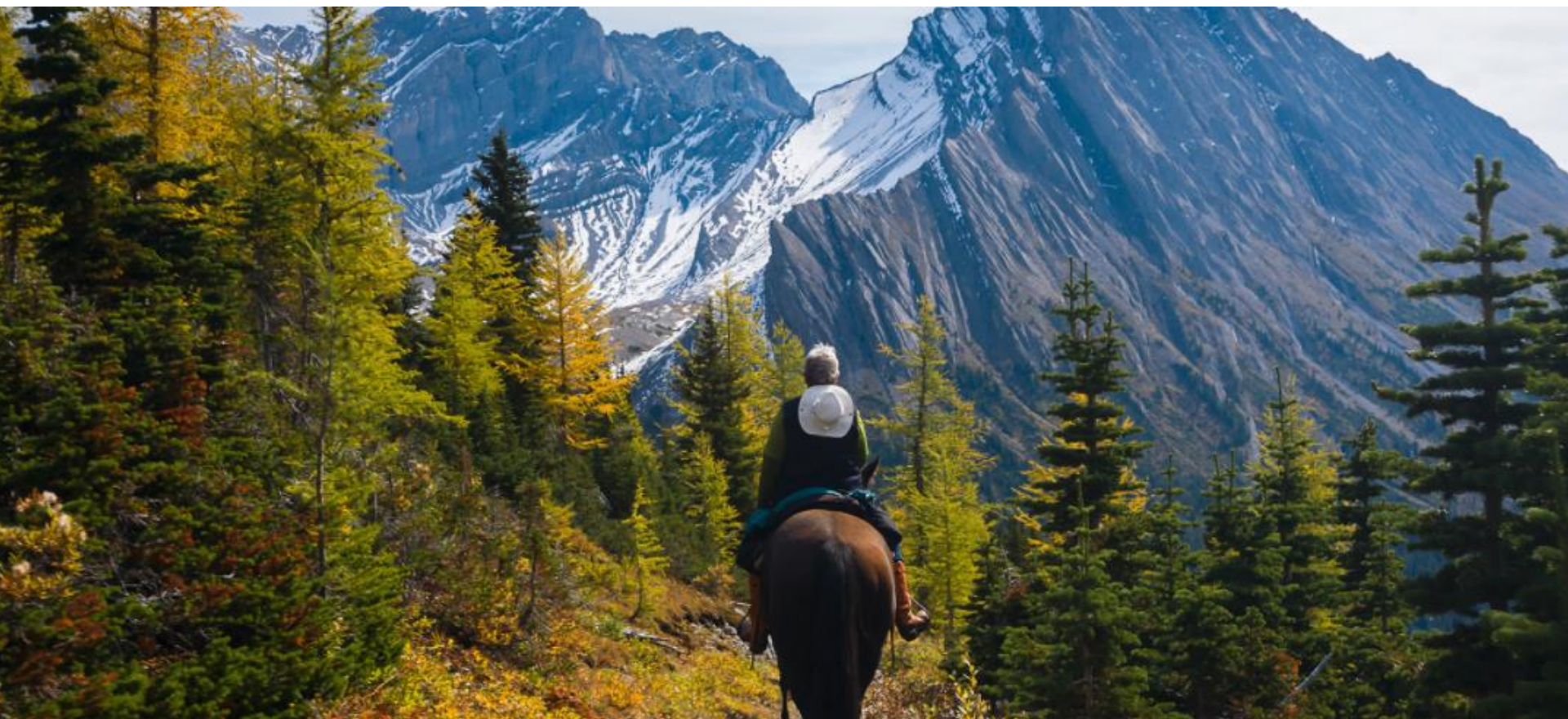
- ✓ Governance and management of physical risks (assets and the risk of fire, weather and insects)
- ✓ Governance and management of transition risks (scope 1, 2, 3 emissions)
- ✓ Scenario modeling consistent with the Paris Agreement (1.5C and 2C)





**WE MEAN  
BUSINESS**



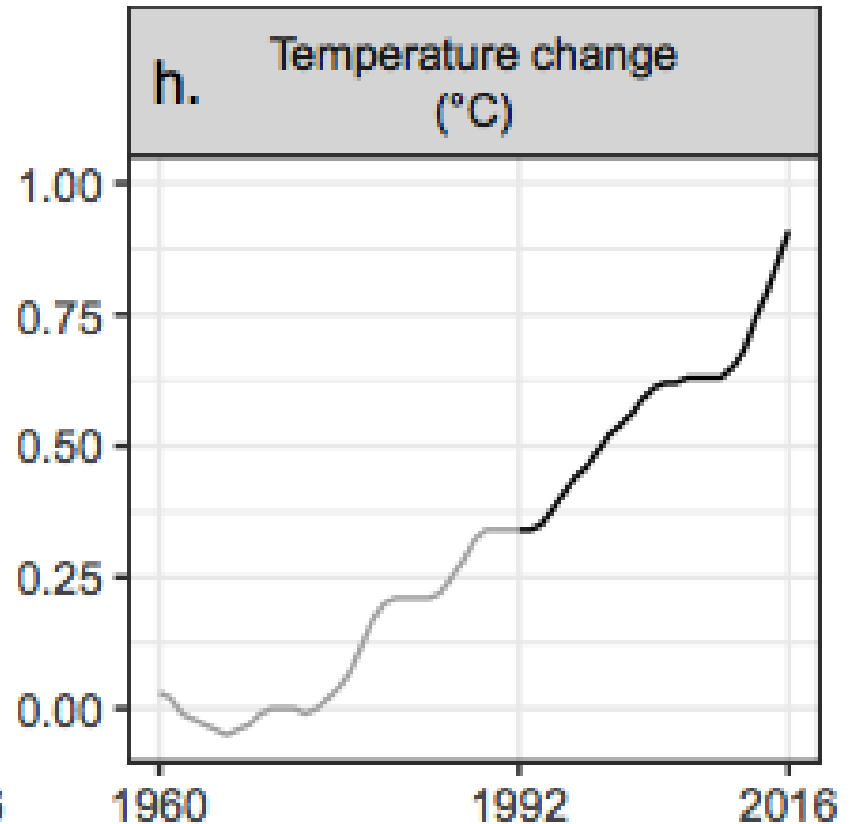
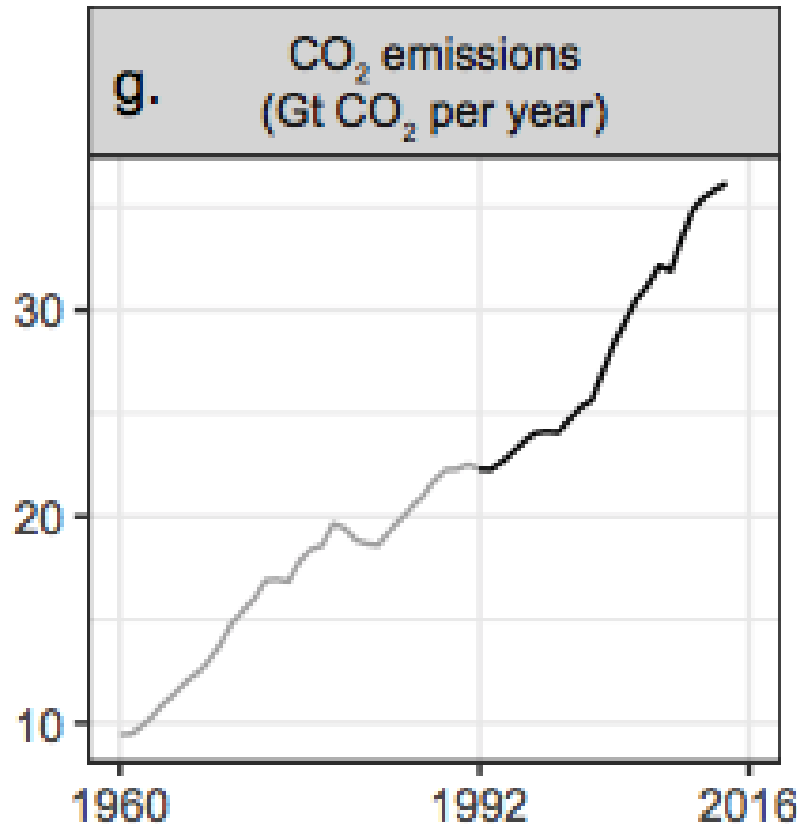


# Following the science - the foundations of the Paris Agreement

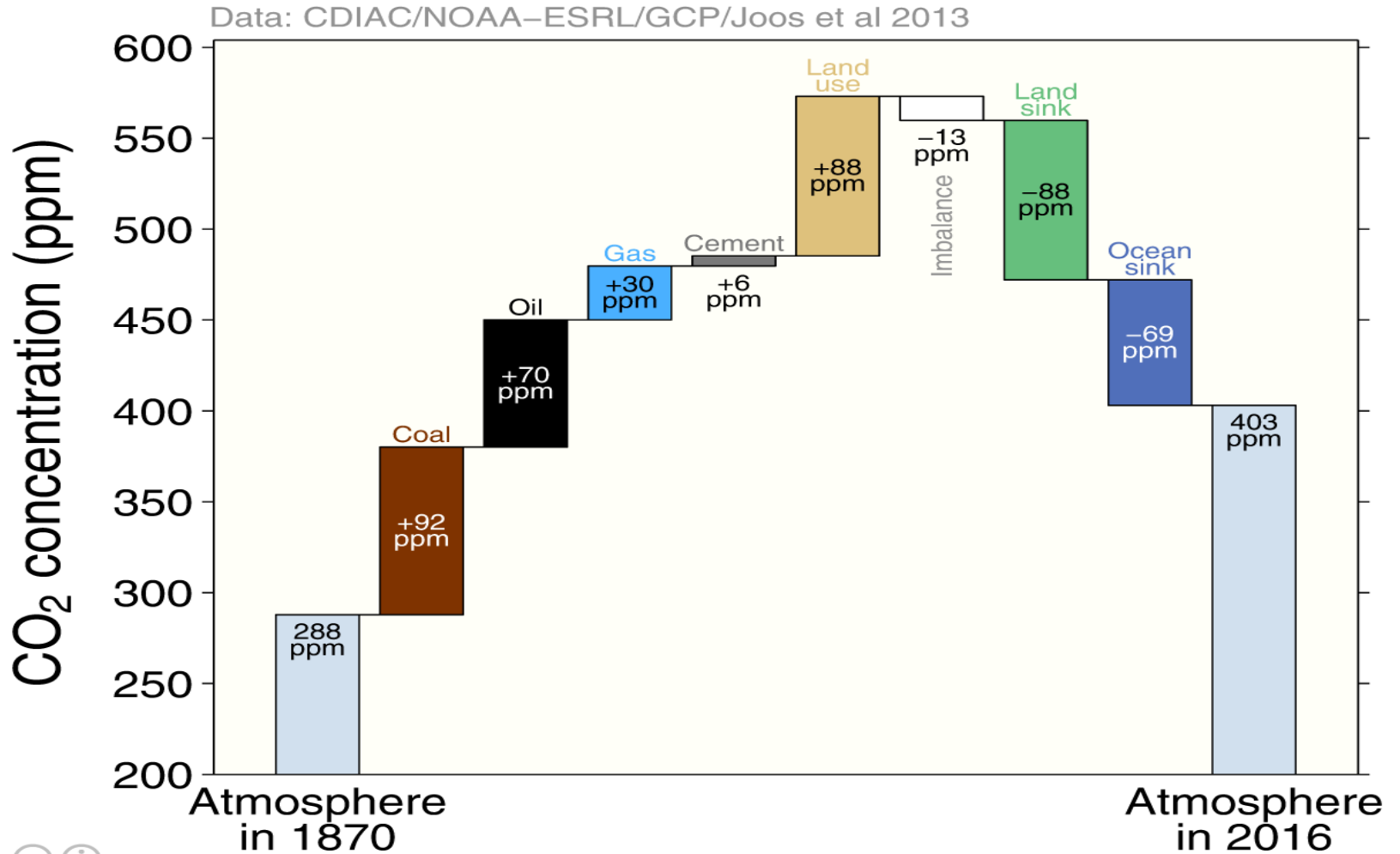


# 15,000 Scientists:

## Earth's Atmosphere is Mass Balance re Temperature Rise and GHG Emissions

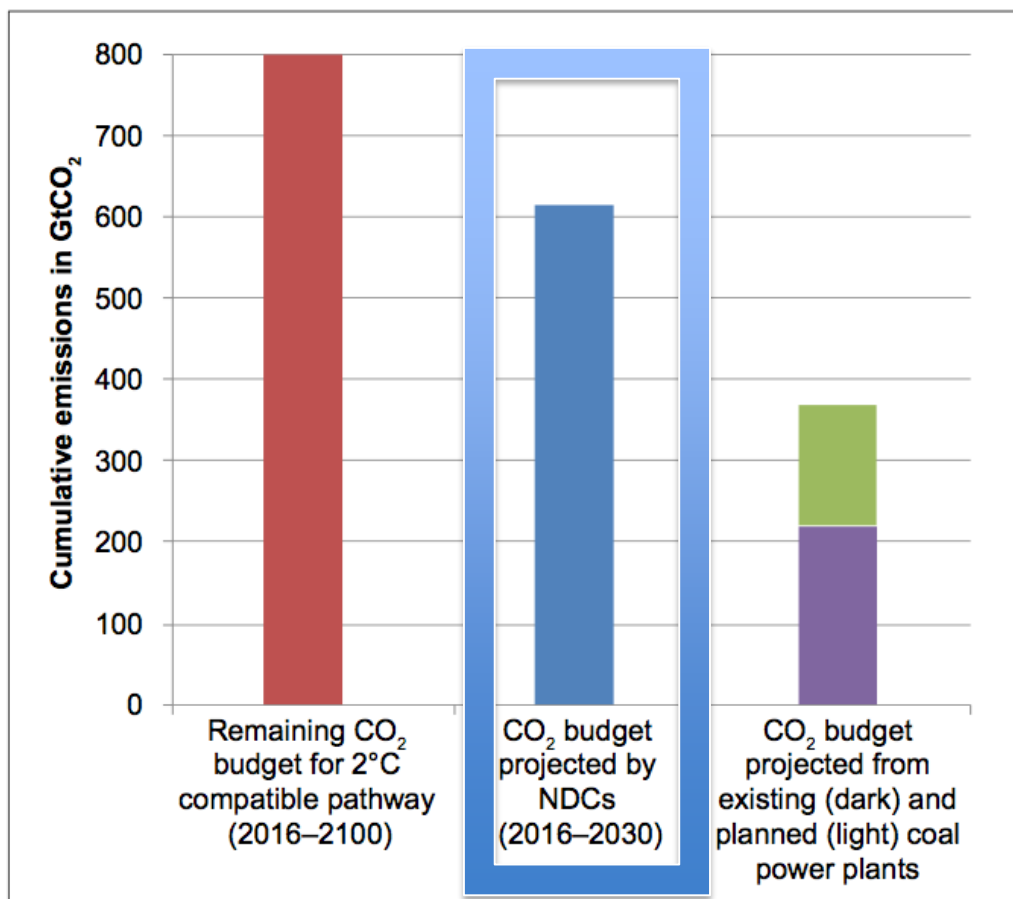


# Sources and Sinks of Carbon since 1870



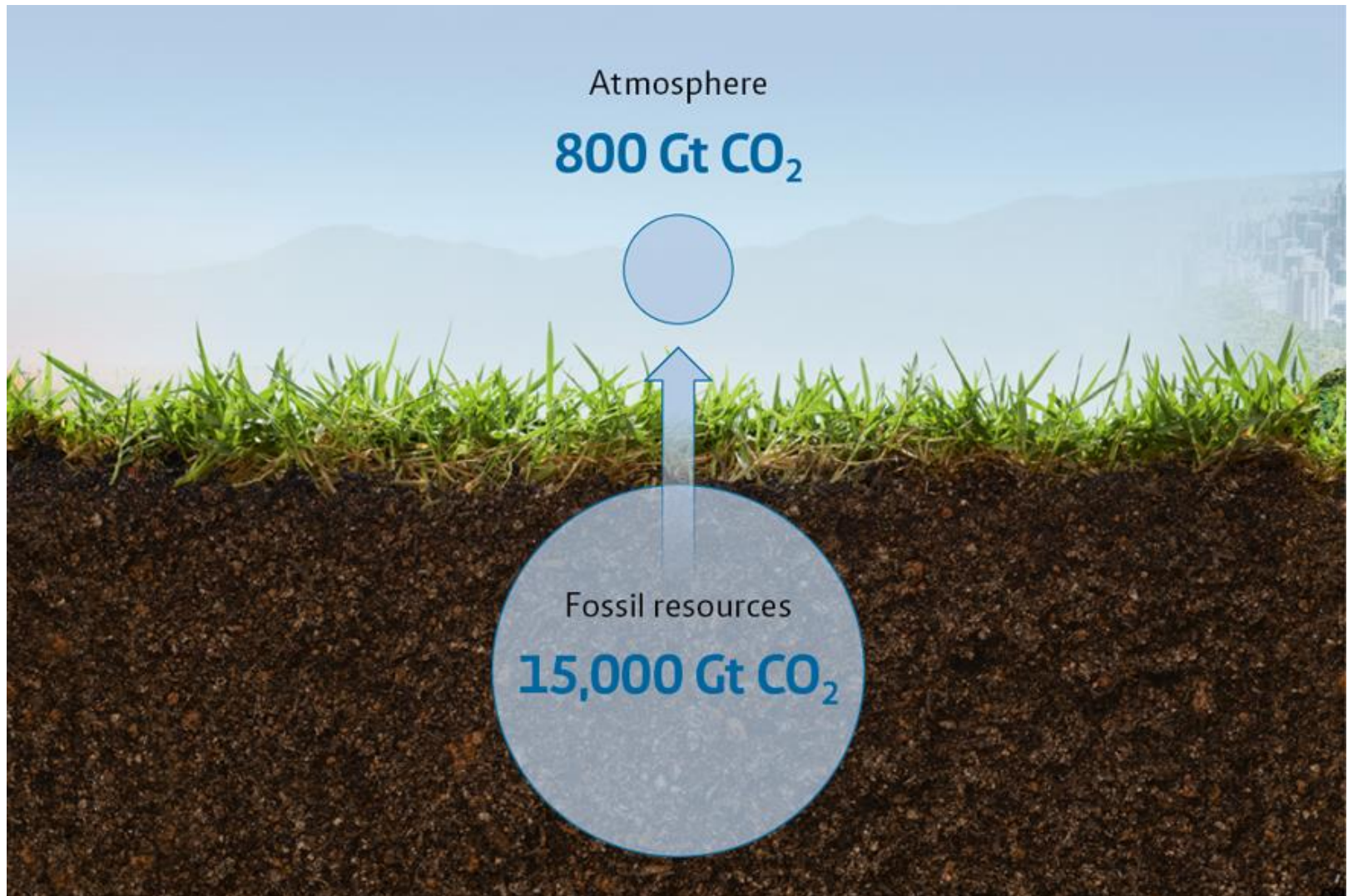


# Comparing 2C Carbon Budget and Paris Agreement Commitments



Paris Agreement

# The Global Climate Challenge at a Glance



Céline Bak  
President,  
Analytica Advisors

Celine.bak@analytica-advisors.com  
+1 (613) 866-9157



analytica advisors



@AnalyticaCéline