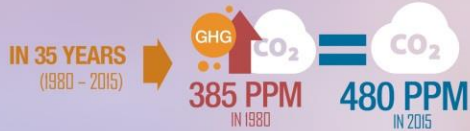


TRANSITION THROUGH INNOVATION

Accelerating the development of green affordable innovations

CONTEXT: RISING QUESTIONS ON THE COST OF DEALING WITH CLIMATE CHANGE

SITUATION



RISK



GOAL



HOW CAN INNOVATION HELP AGAINST CLIMATE CHANGE?

Learnings from History – economic History shows that innovation's role is systematically more important than expected. For example, social progress in the industry sector during Dickens and Zola's time did not undermine productivity and growth, on the contrary! At that time, no one would have predicted the innovations that allowed such a progress...



"AFFORDABLE GREEN INNOVATIONS" (AGI)

innovations that contribute to reducing GHG emissions at the lowest possible cost per ton of CO₂ avoided and have the largest possible scope for further implementation.

WHAT ARE "AFFORDABLE GREEN INNOVATIONS", AND WHY DO THEY MATTER?

AFFORDABLE

These products have a low cost or no cost at all per ton of CO₂ avoided

GREEN

They contribute to reducing GHG emissions

INNOVATE

Their potential for further distribution is still large enough so that they can have a significant contribution to GHG emissions reductions objectives

THE 3 OBJECTIVES OF THE "TTI" INITIATIVE



1 Developing a panel of AGIs covering all sectors, regions and types of companies



2 Showing how AGIs can help solve the apparent contradiction between increasing world carbon performance and protecting the competitiveness and purchasing power of countries committed to tackling climate change



3 Providing a systematic set of policy recommendations, covering all possible roadblocks that could limit the development of AGIs

GREEN INNOVATIONS CRITERIA:



Mature
 can be developed in the short / medium term (i.e. around 2020)



Affordable
 a low cost per ton of GHG avoided



Potential
 a large global CO₂ emissions abatement potential

CONTRIBUTORS TO OUR REPORT



6 Sectors



4 MAIN GROUPS OF EMISSION REDUCTION DRIVERS

1

Switching to low-carbon products (switching to greener fuels, better design or materials...)

2

Optimizing the use of existing products (big beta, cogeneration, sharing economy...)

3

Developing emission capture technologies (reforestation, carbon capture)

4

Green/optimized financing

GOOD NEWS

the cost of the climate transition can be much lower than expected if we put in place AGI-friendly policies described in our report

<http://report.tti.alliance.org>