

THE CHEMICAL INDUSTRY TODAY

MULTIPLE HARMFUL PLANETARY IMPACTS

4°

Estimate for warming of the planet by 2050 based on the sector's operating model & IPCC carbon budgets

>98%

of carbon feedstock in the industry comes from fossil sources

41%

of plastic (made with chemicals) leaks into the environment or is burned

57%

of fertiliser (made with chemicals) isn't taken up by plants, most of which runs off into the environment

17%

of chemical companies have a science-based emissions reduction target

THE CHEMICAL INDUSTRY 2050

A PLANET POSITIVE CLIMATE SOLUTION

82%

of carbon feedstock comes from non-fossil sources

500MIL

tons of carbon sequestered every year by the non-ammonia chemical industry

2.5X

growth in annual chemical production driven by net zero economy

29-31%

reduction in demand through circularity

29MIL

new jobs created by a planet positive chemical industry