

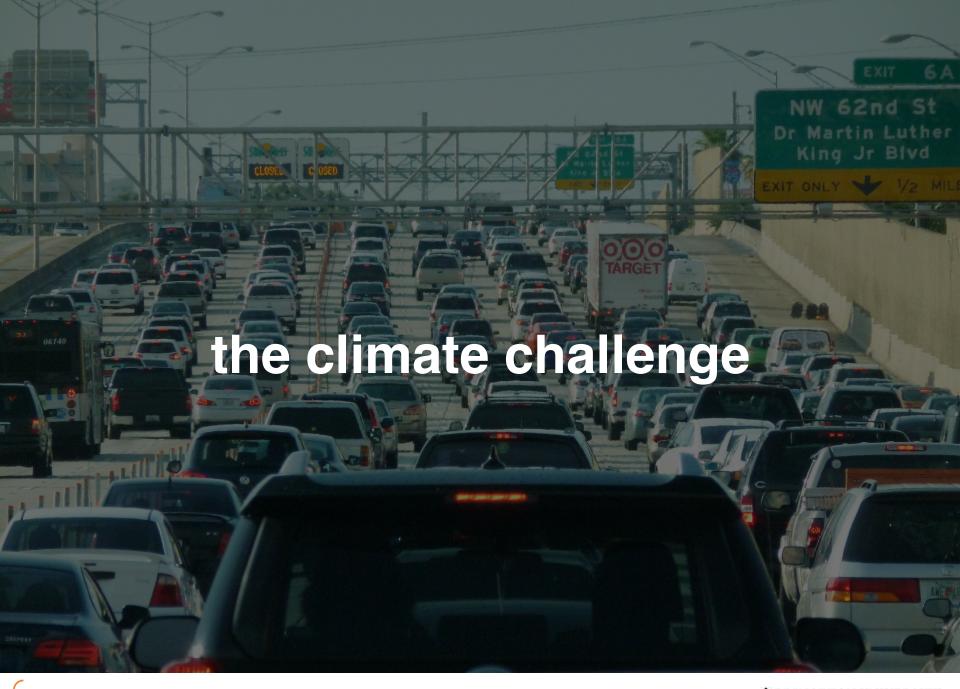


our missiondirected from global challenges

develop solutions for our energy + environmental future

in the nation's service + in the service of humanity

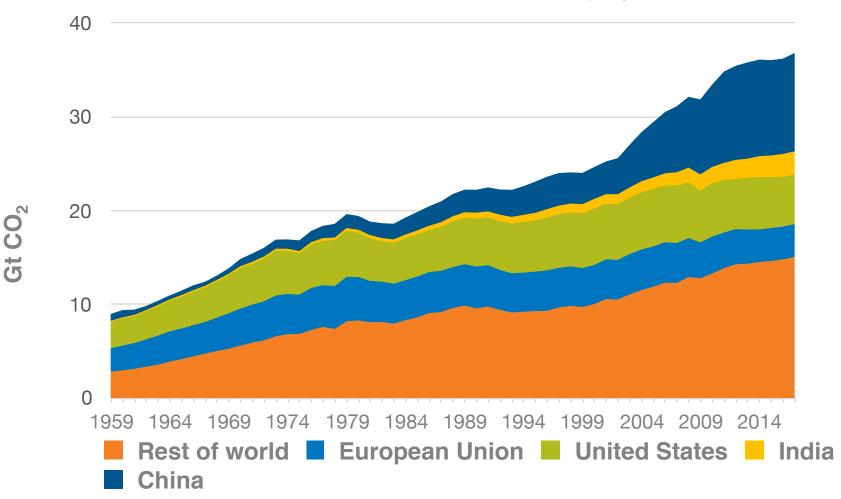






#### the emissions problem

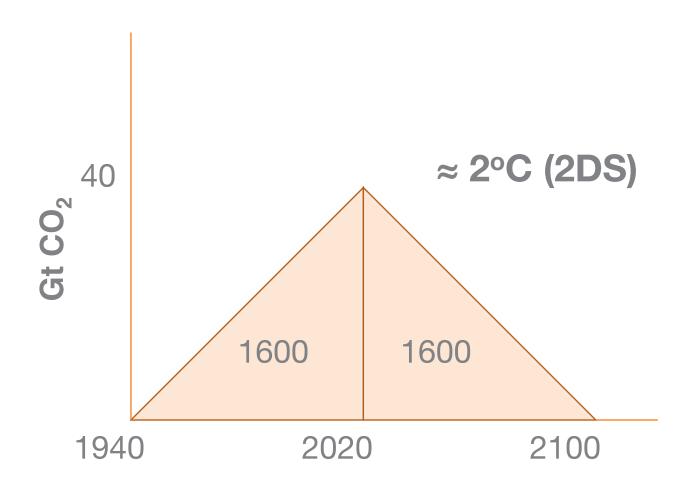




Global Carbon Project



#### the emissions problem

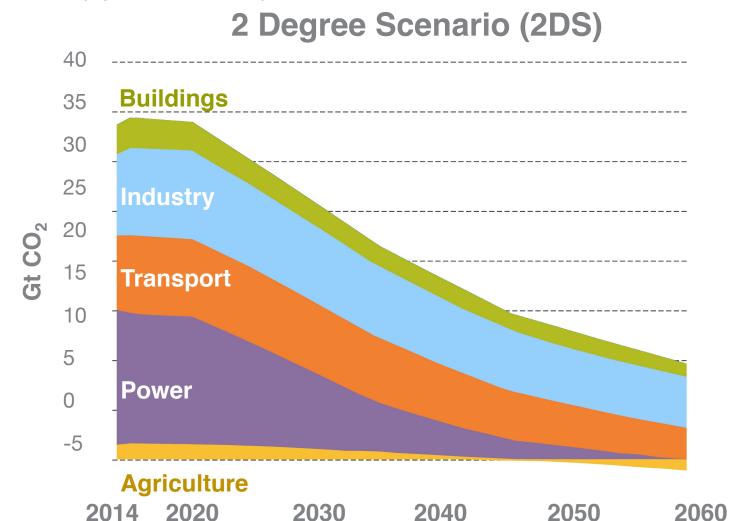


**Robert Socolow** 



#### carbon emissions by sector

must deeply decarbonize power sector

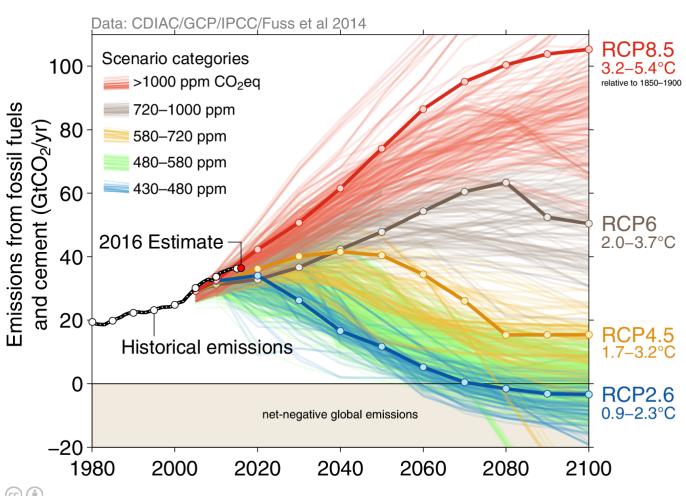








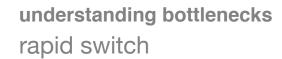
#### rapid decarbonization







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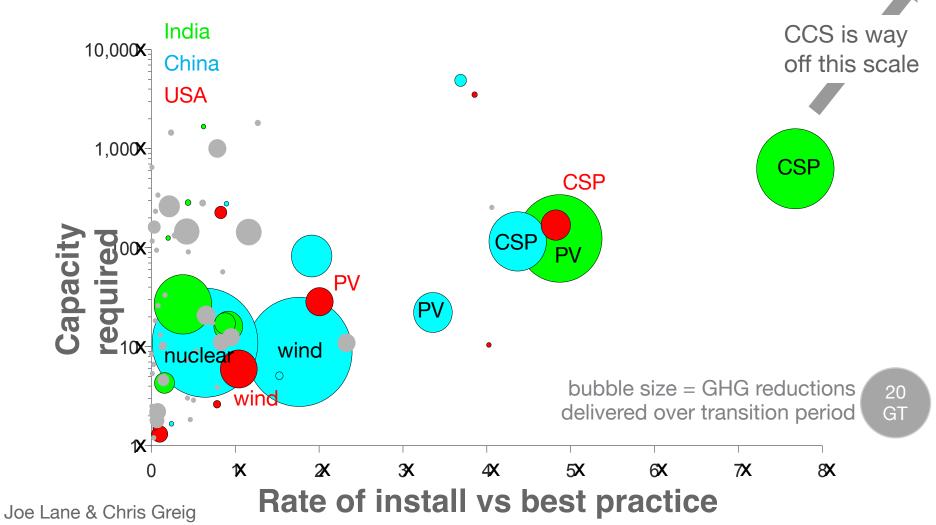
# an unprecedented technological, infrastructural, social and economic transformation is ahead

- + socio-behavioral resistance to expansion of lowcarbon infrastructure; e.g., nuclear, high voltage transmission, offshore wind
- techno-economic barriers to deep penetration of variable renewable energy and widespread deployment of efficient mass transit infrastructure



## understanding scale and pace of change rapid switch

2060 projections relative to current day





### why are we here?

"...emerge from this conference with new ideas about how each and every one of us can make a difference and be part of accelerating climate action."

Greenwald inaugural gerhard andlinger visiting fellow

