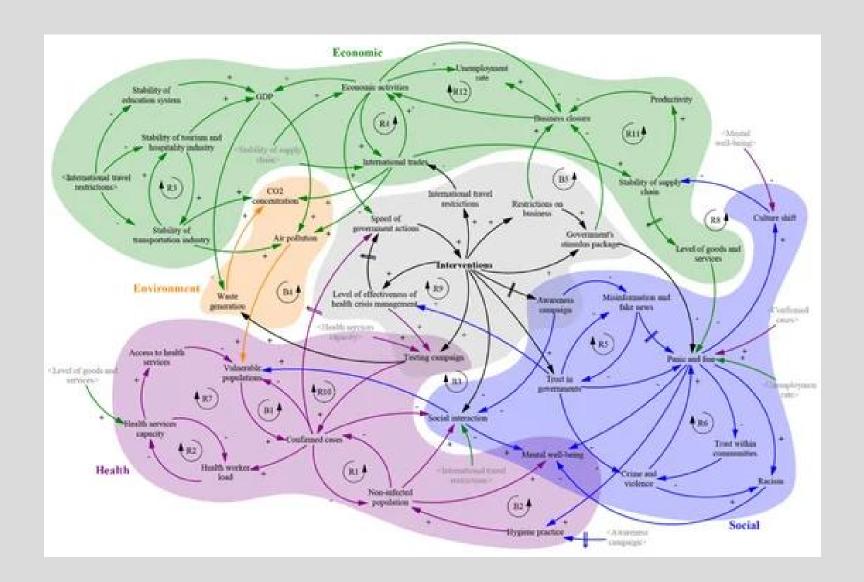
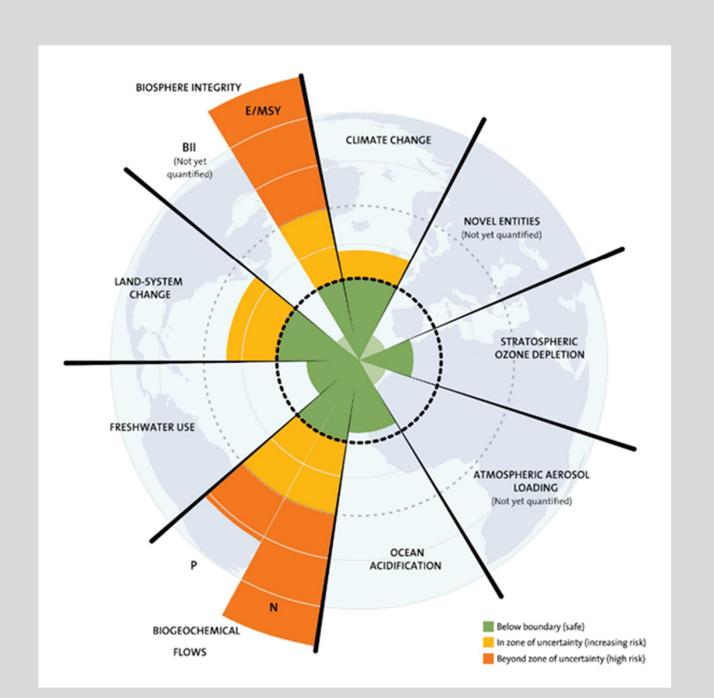
Klimatkrisen, demokratin och lömska problem



"Detta auktoritära land förlitar sig på mobilisering ovanifrån. De kan besegra finansiella och byråkratiska hinder för att snabbt mobilisera sina resurser."







Wicked problem

Stora ekonomiska konsekvenser Involverar många individer Motstridig kunskap

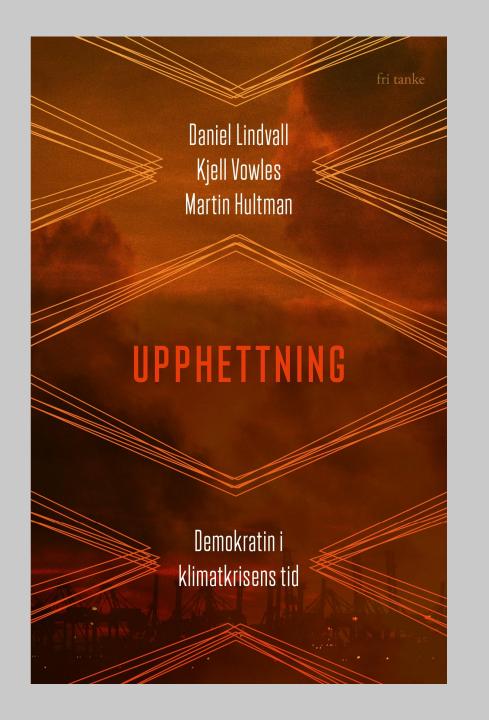
Involverar livsstilsförändringar Berör moral och värderingar Berör frågor om social och ekonomisk jämlikhet

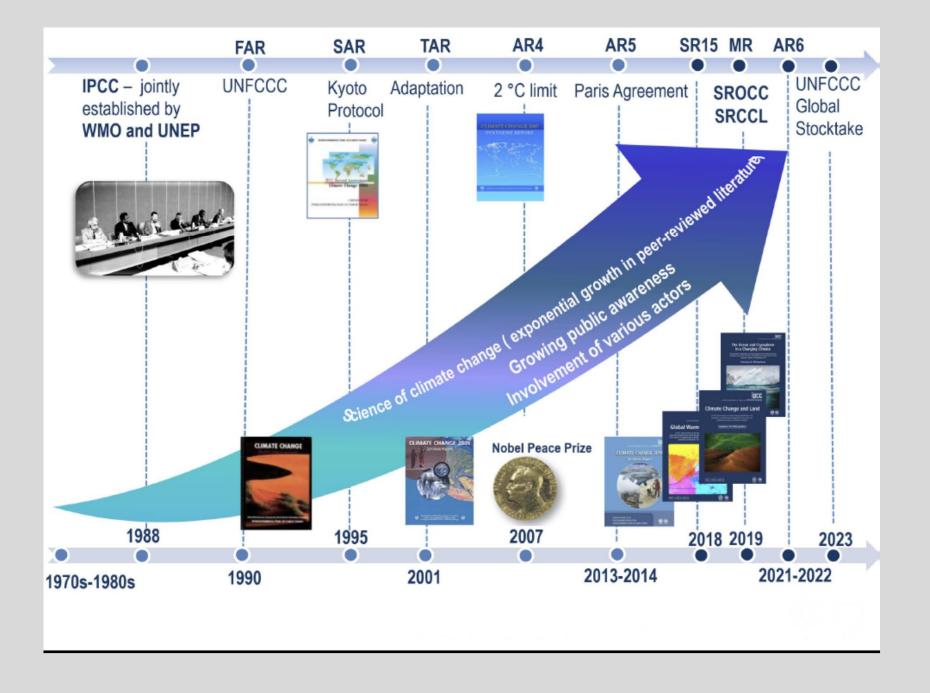
Super wicked problem

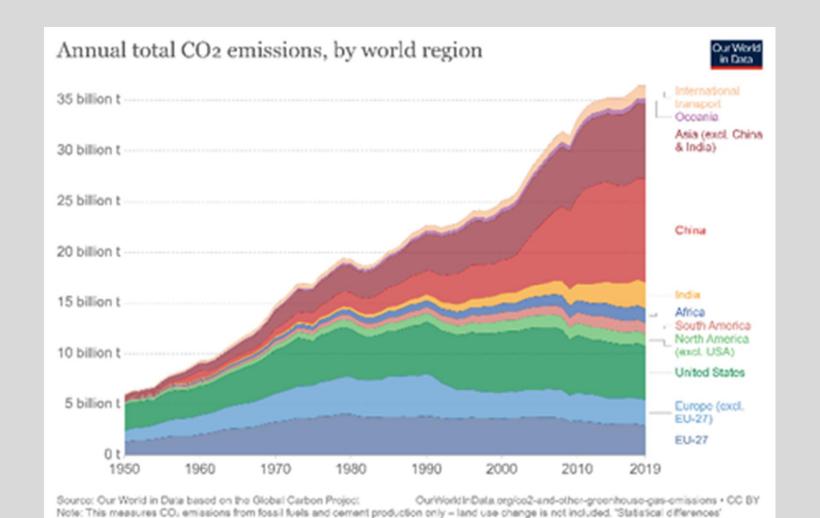
Kort om tid!

Allvarligt!

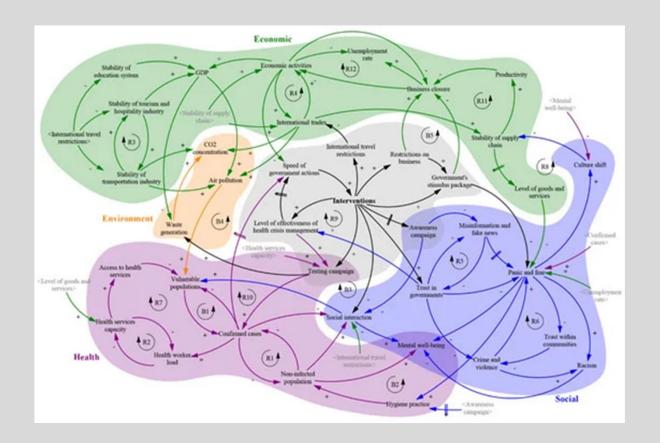
De aktörer som skapar problem ska själva lösa det...







(included in the GCP dataset) are not included here.



För att hantera wicked problems behövs ett system som

- kan hämta in och hantera stora mängder information
- har förmåga att utvärdera och ompröva de åtgärder
- kan skapa delaktighet och legitimitet

THE WIND RISES IN CHINA



CHINA ENVIRONMENT FORUM

@ wilsoncef

CHINA'S WIND FARMS ARE UNDERPERFORMING DUE TO LOW GRID CONNECTIVITY AND CURTAILMENT



On-grid





Installation

THE U.S. HAS GENERATED MORE ENERGY WITH LESS INSTALLED WIND POWER CAPACITY THAN CHINA











61.09 GW









Installed

91.4 GW

WIND POWER PRODUCTION AND CURTAILMENT BY PROVINCE



China is the fastest growing market for wind power in the world. But continued growth is hindered by low grid connectivity (wind turbines not physically connected to the power grid) and high rates of curtailment (power grid companies opt to limit the use of wind power due to difficulties in integrating this intermittent power onto the grid). Both issues stem from a lack of planning, insufficient market incentives for power grid companies, and outdated or weak grid technology.

In 2013, China accounted for 28.7% of the world's installed wind power. The curtailment rate dropped to 11%, a significant improvment compared to 2012.

In 2012, wind farm owners lost n in revenue due to curtailment.

Wind Power Installation China

In 2011, more than 20% of turbines in northern China were left idle.

In 2010, more than 30% of China's wind capacity was not connected to the grid.

In 2005, China had only 1.26 GW of installed wind capacity and 82% of turbines were imported.

By 2009, the market share of foreign-manufactured wind turbines had dropped to 14%.

U.S.

Sources: GWEC, CNREC, US EIA. Special Thanks to Michael Davidson and Joanna Lewis. Designed by Sigi Han. April 2014

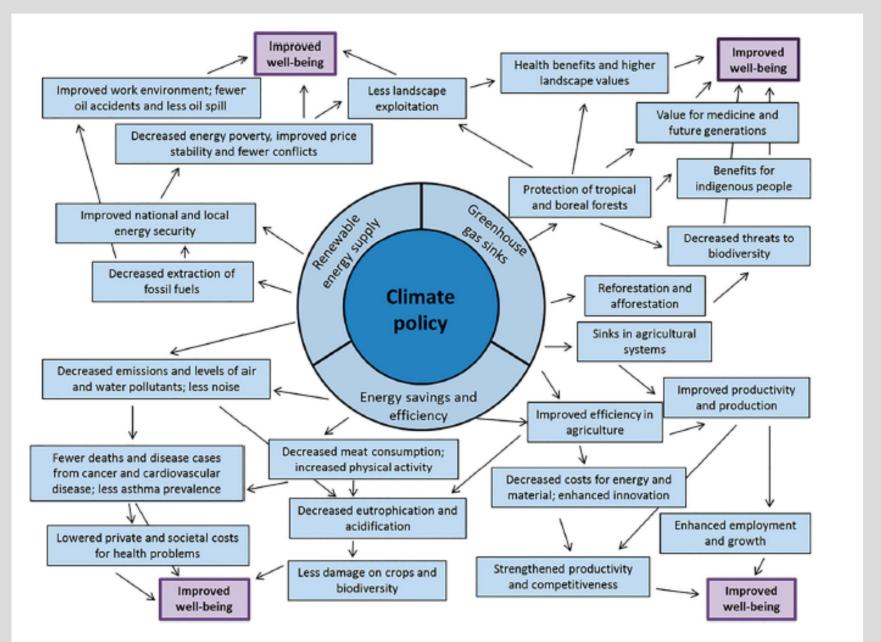


Figure 1. Co-benefit categories in climate policy. The three main components of climate policy in the circle may result in chains of potential positive effects, which – as examples – eventually may improve well-being. Developed after Alfredsson and Karlsson (2016).