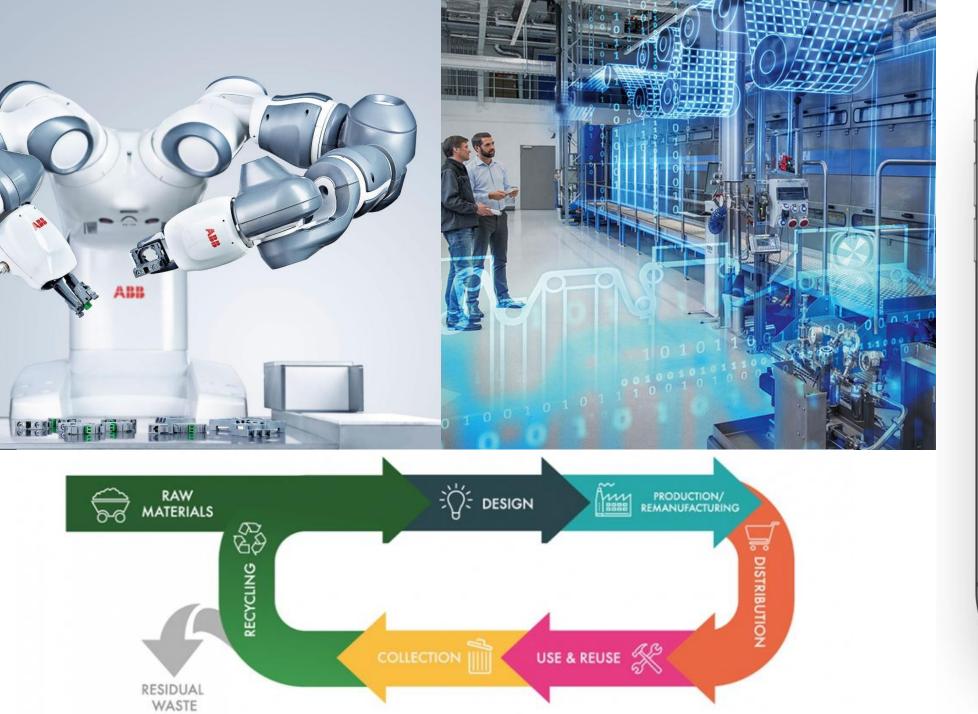
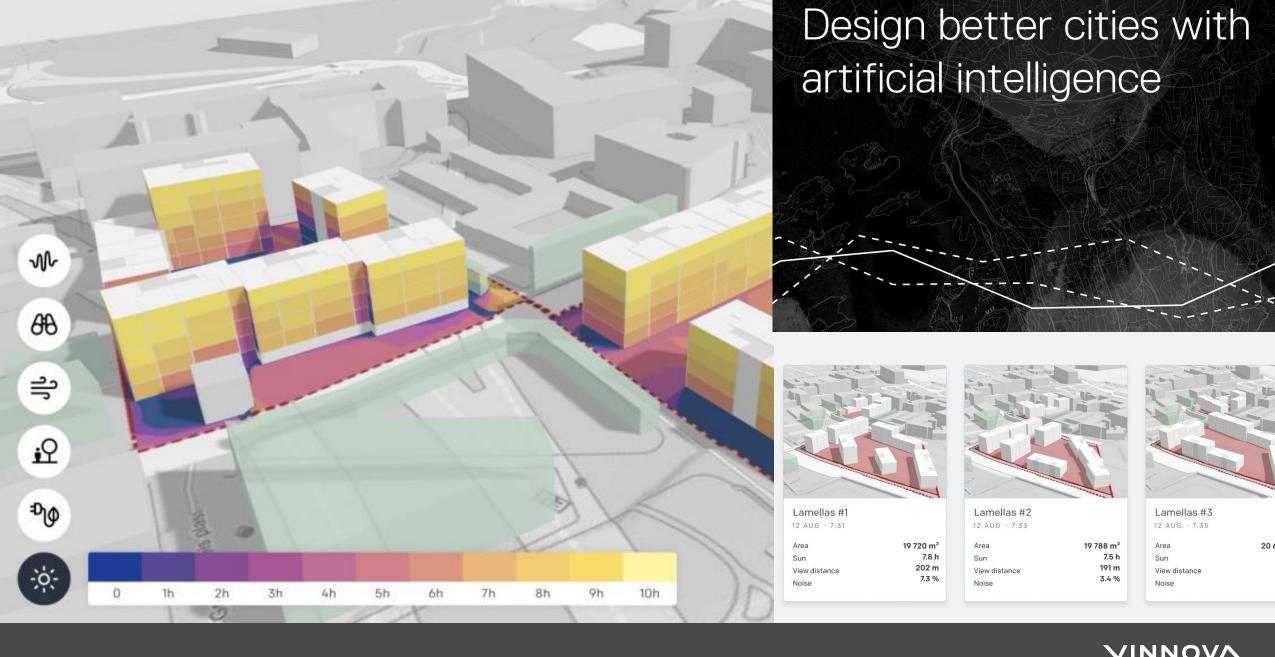
System innovation needed

REFLECTIONS ON IMPACT OF DIGITALIZATION

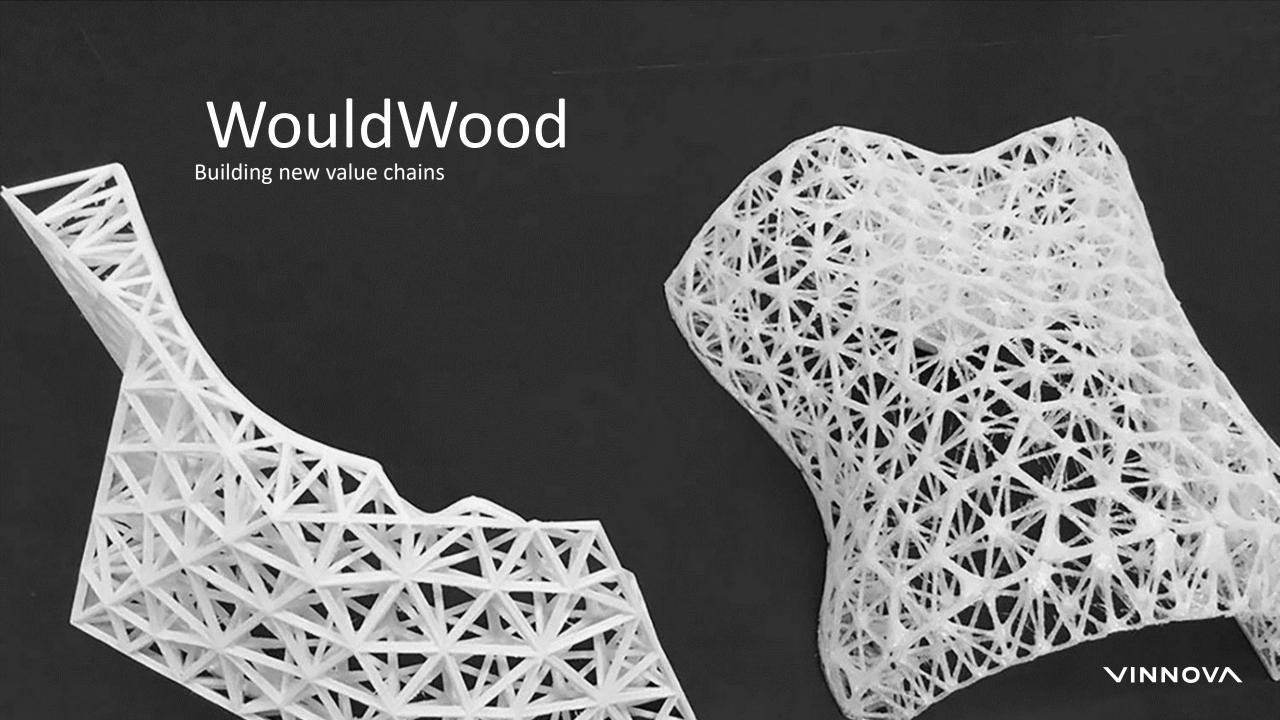
















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SOLAR ENERGY TECHNOLOGIES OFFICE



National Lab Uses Artificial Intelligence to Optimize Solar and Other Distributed Energy Resources

JANUARY 12, 2018













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AGE OF AUTOMATION

THE OUTLOOK FOR
MANUFACTURING JOBS AND
AUTOMATION IN SEVEN CHARTS



Advances in artificial intelligence and remote communication will arguably impact manufacturing more than any other sector, given that half of all roles within the industry involve manual and routine work. And yet, despite a large portion of jobs being at high risk of automation, job losses may not be as severe as feared as manufacturers upskill workers to adapt for a new technological future

AUTOMATION'S IMPACT ON THE JOBS MARKET
WILL START TO BE FELT FROM THE MID-2020S
Share of jobs with a high potential of automation

Transportation and storage

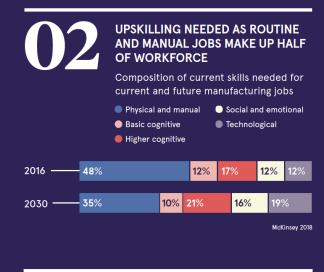
Manufacturing

Wholesale and retail trade

40% -

30% -

20% -



AUTOMATION ADOPTION VARIES
WITH COMPANY SIZE

Percentage of manufacturers investing to
automate processes by number of employees

All of the processes

Some of our processes

None of our processes



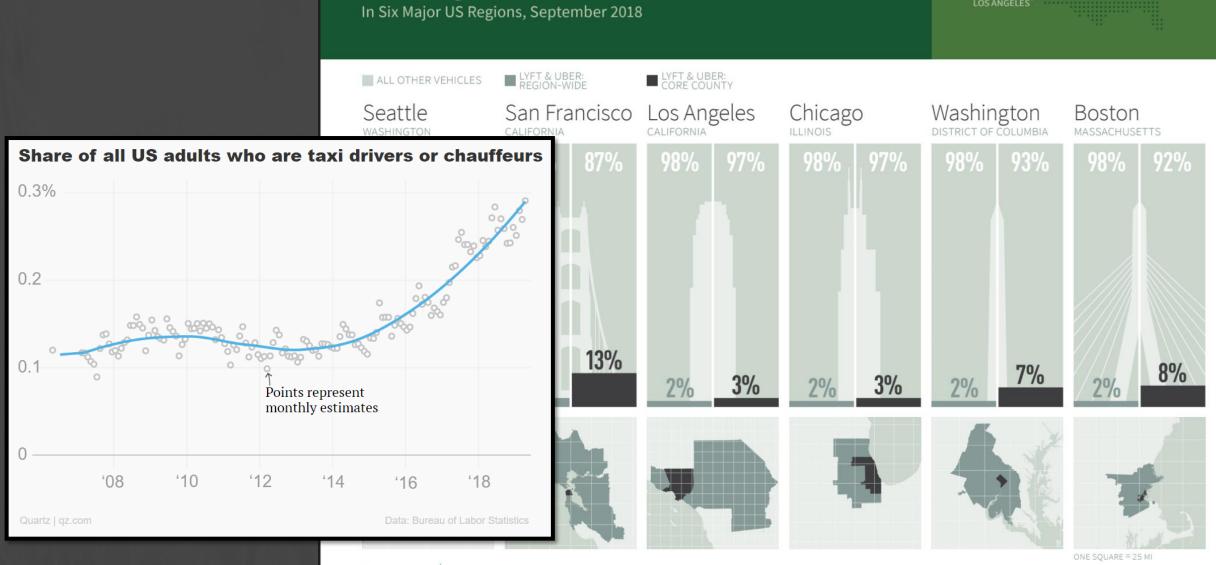








Estimated Percent of Total Driving by Lyft and Uber



FEHR PEERS













LIVING

Inside the hellish workday of an **Amazon warehouse employee**

By Eric Spitznagel

July 13, 2019 | 9:57am | Updated



The labor can be so grueling at Amazon that one worker in Kentucky said she needs four pain meds just to get through the workday.

REUTERS





One of the dominant narratives around the rise of populism is that it amounts to a backlash by globalisation's 'losers' – individuals, communities and social groups that have felt the more malign effects of global free trade, such as job losses, depressed wages and insecure future prospects.

But what if actual *places* – and people's ties to them – have shaped voting patterns far more than demographic or social factors? Should populist electoral reactions be understood as a form of collective, place-based 'revenge' by lagging-behind regions?



This is the argument put forward by Professor Andres Rodriguez-Pose of the London School of

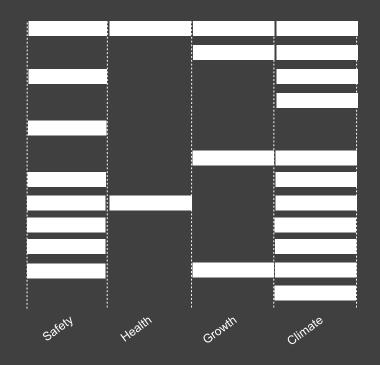
1 "Airgaps"

National

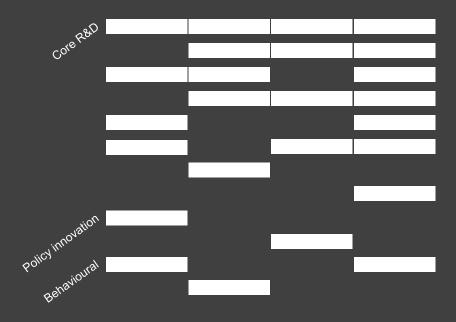
Regional

Municipal

2 / Research and innovation in silos



3 / Bias away from implementation



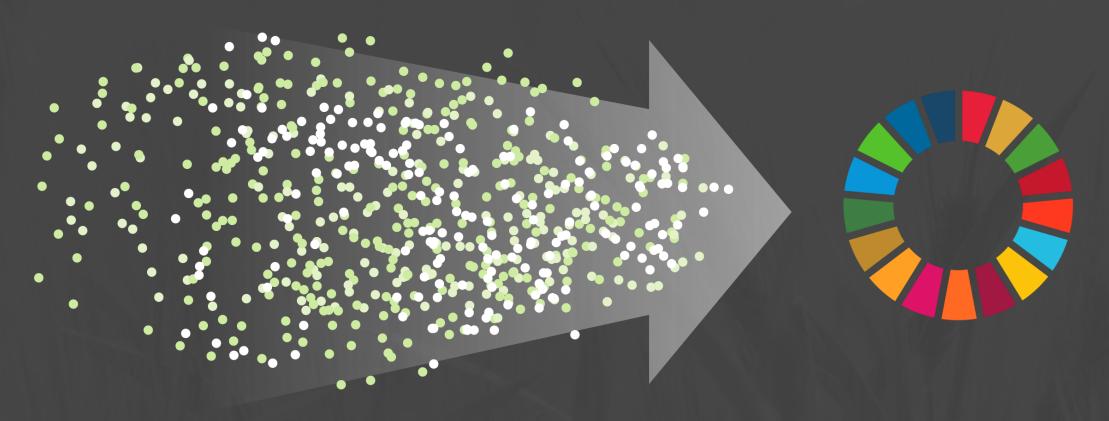




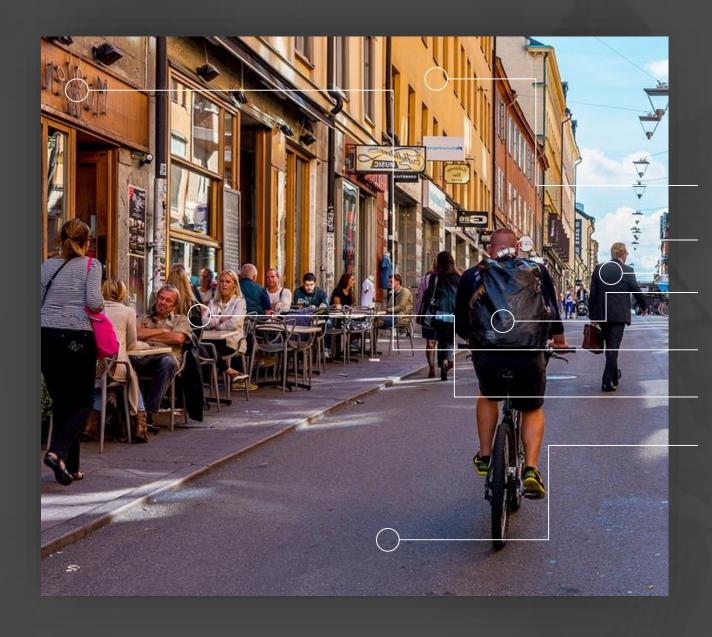


Missions

- Mobilising action for achieving the SDG's







Innovations with system perspective

Technology

Ethics

Business model

Behavior

Procurement

Policy



TACK

VINNOVA

Sveriges innovationsmyndighet







