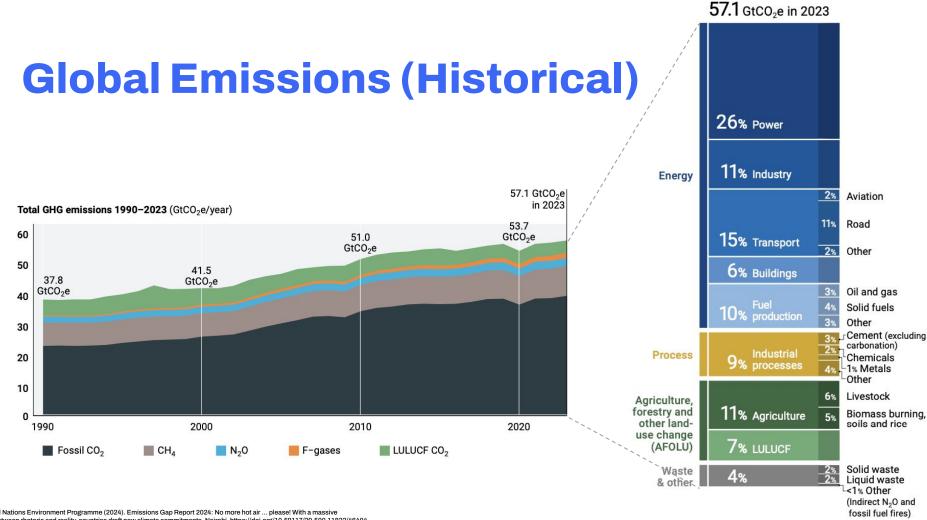
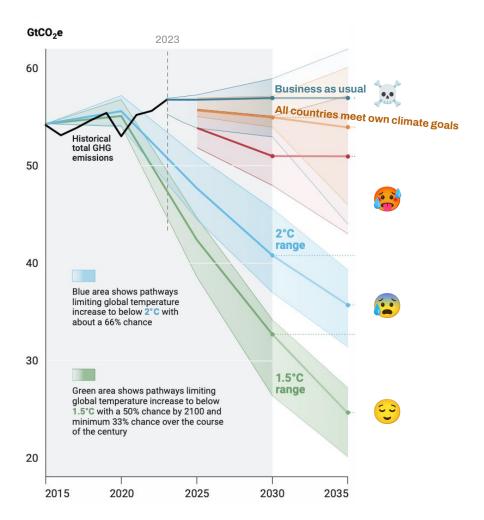
Cloudy with a Chance of Zero CO₂ (and a Swedish Twist!)

Jacob Valdemar, Platform Engineer at Lunar





Scenario s



Data Centres account for 0.3-0.6% of global emissions

What can we do?

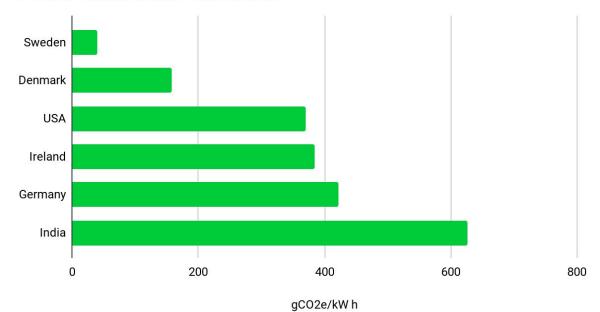


Introducing the MYSTS approach...

Move Your Stuff Sweden

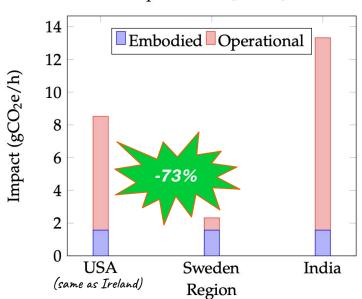
Extremely Low Grid Emission

Power Generation Emissions



Example ewith m6g.xlarge

Impact of a m6g.xlarge



The advanced approach



CARBON EFFICIENT KARPENTER

Optimizing Kubernetes Cluster Autoscaling for Carbon Efficiency

JACOB VALDEMAR ANDREASEN

Master's Thesis

Master of Science in Computer Engineering



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January 2024

Thank you.

(please MYSTS)