Projected Needs for CCS
Results from the ADAM Project

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Introduction

• ADAM Project: EU FP7, completed

• Scenarios until 2100 with strong emission reductions for achieving 2°C target with:
  – high probability ➔ 400ppm-eq
  – Low probability ➔ 550ppm-eq

• WP on comparing global integrated assessment models
  – Feasibility
  – Costs
  – Technology knock-out (e.g. no nuclear, …)

• Would CCS be used in the near-term given that it works?
EU27: Transformation of the energy system

Knopf, Edenhofer et al. (2009)
EU27: Carbon Capture and Sequestration

550ppm-eq

400ppm-eq