

Forecasting emissions for the LULUCF sector: foundation for policy formulation, negotiations, and reporting

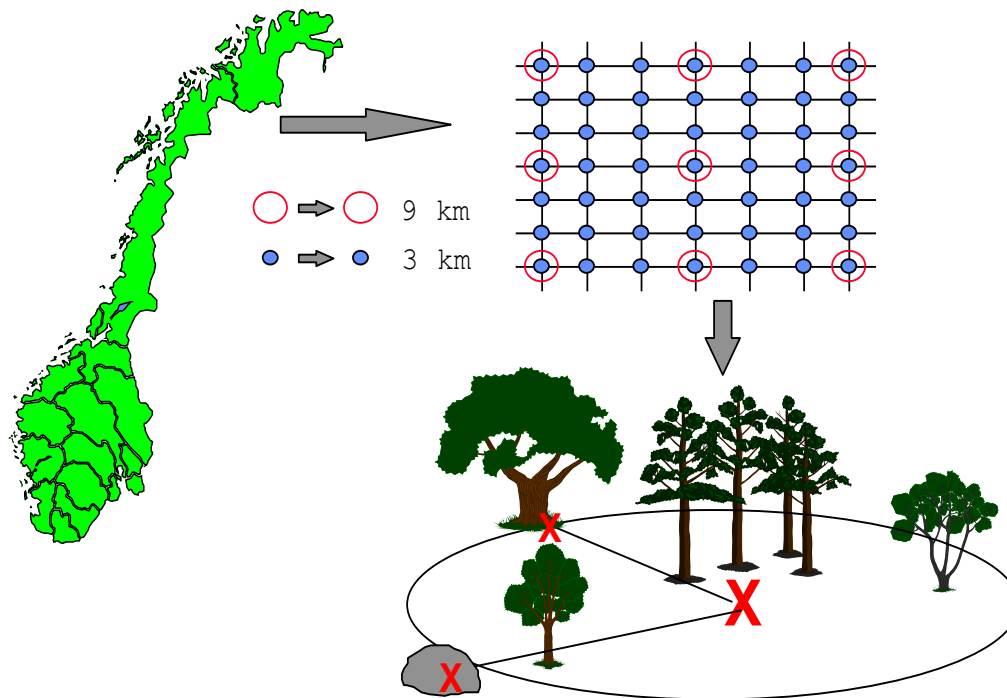
CONTENTS

- Why forecasts for the LULUCF sector?
- How to forecast the emissions from the LULUCF sector
 - How is this normally done
 - Challenges
 - Key assumptions
- Conclusions

WHY FORECASTS

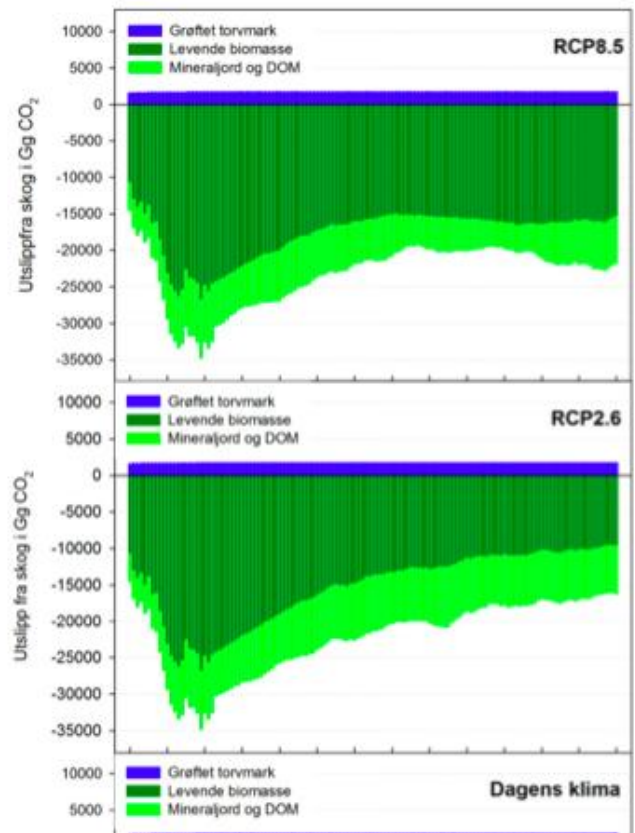
- (1) Policy formulation – understanding the impact and ranking alternatives
- (2) Negotiations – what can we expect and what is the effect of different accounting rules
- (3) Forest management reference level

HOW: NFI DATA AS FOUNDATION

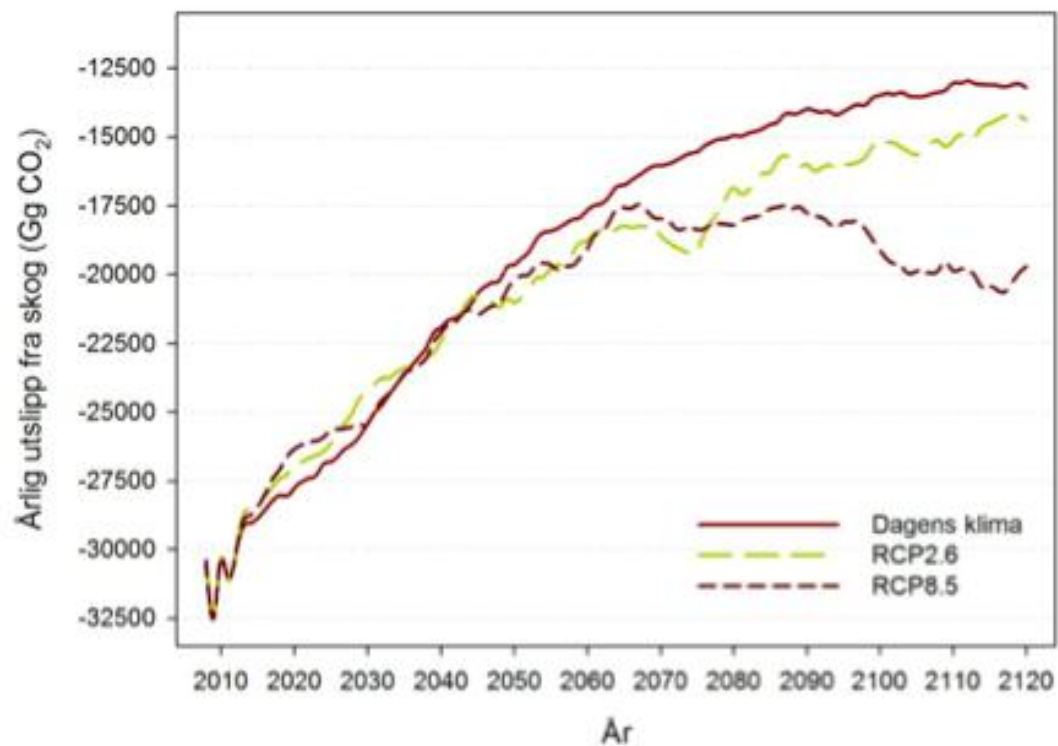


The design of the Norwegian National Forest Inventory

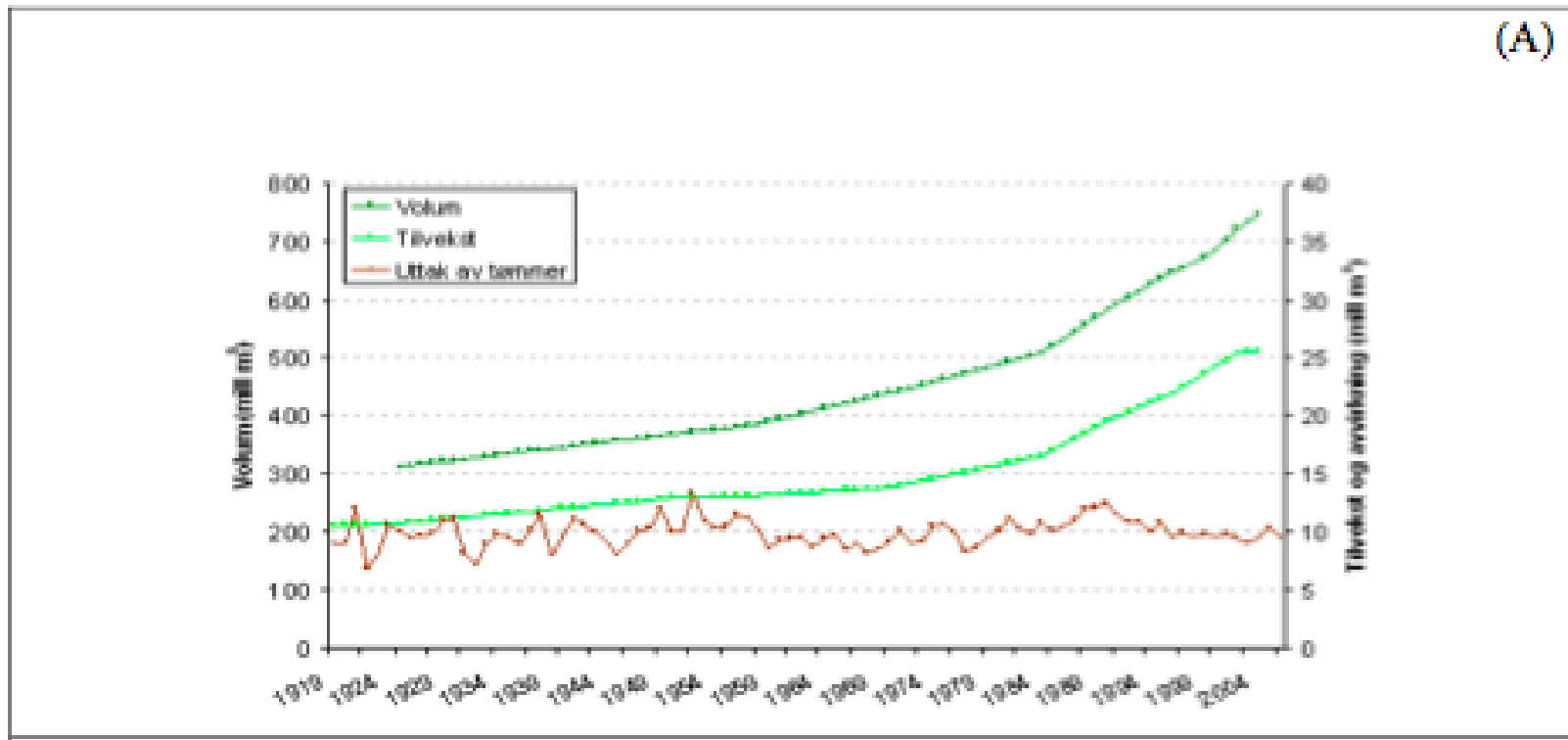
HOW COULD THIS LOOK?



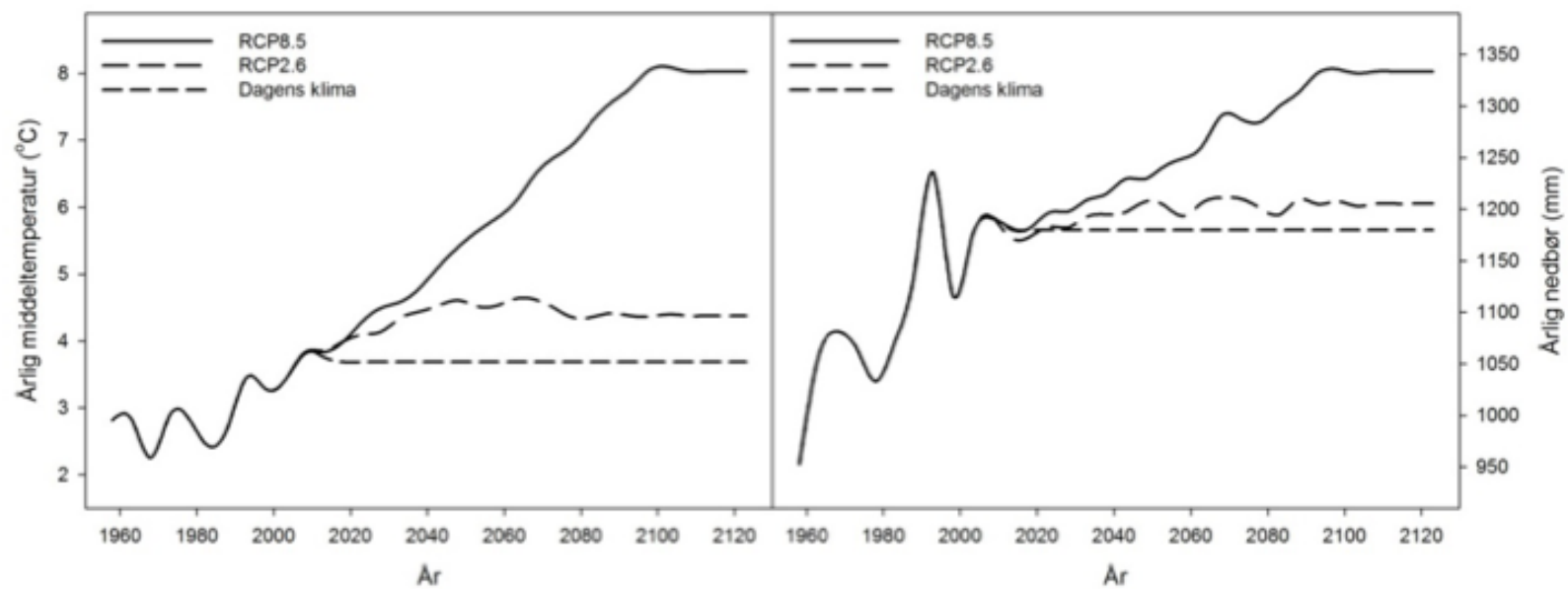
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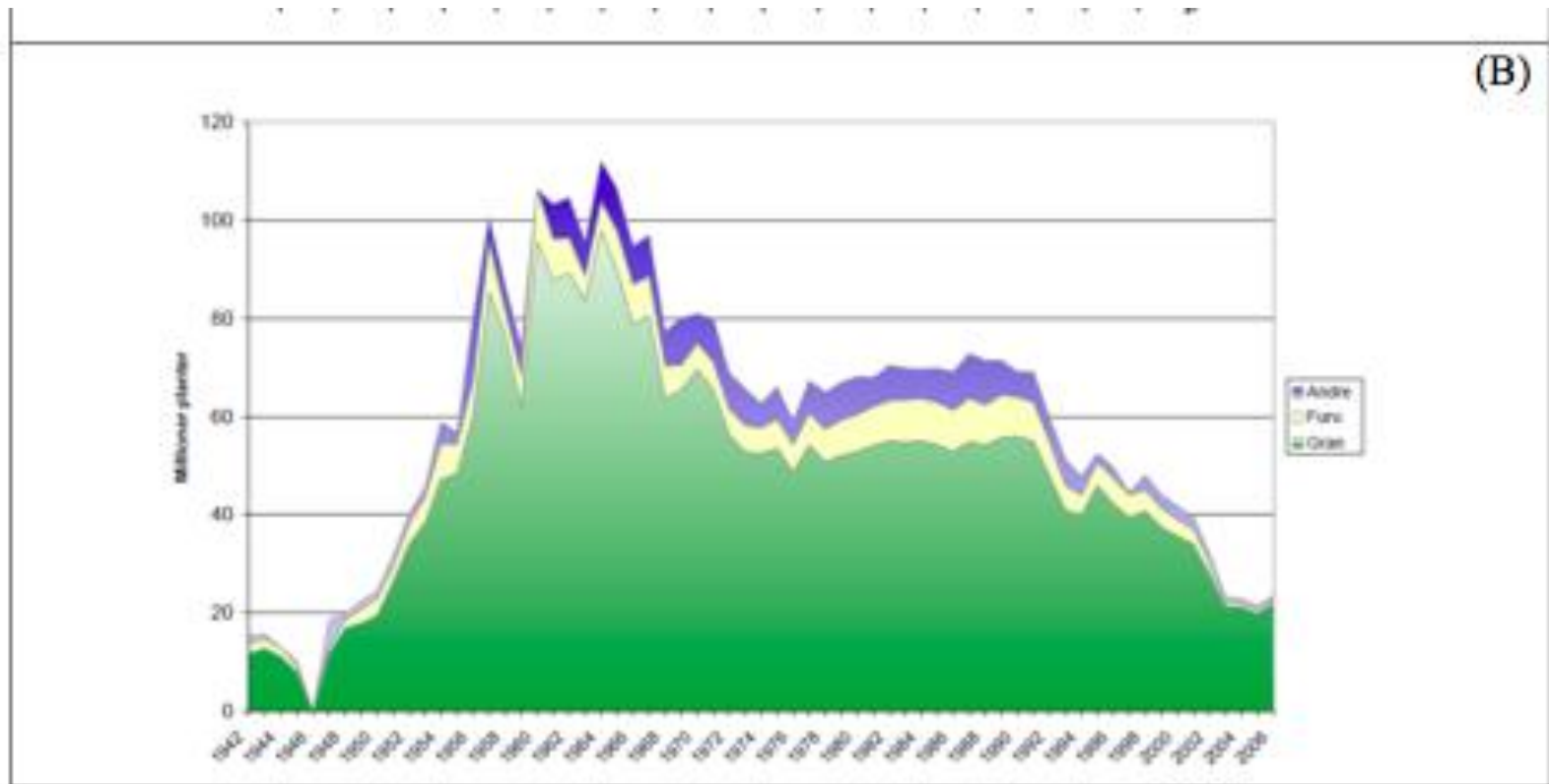
CHALLENGES: BASELINE?



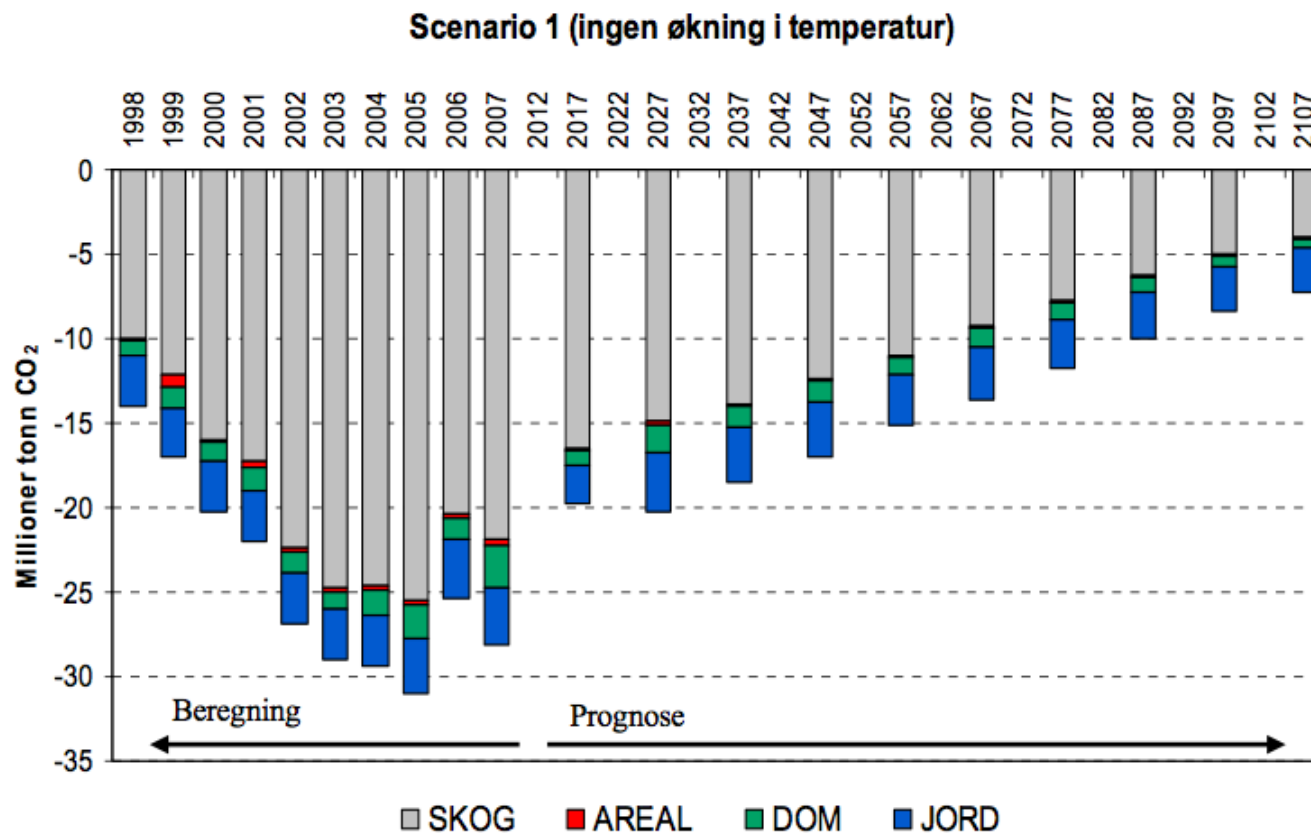
CHALLENGES: BASELINE?



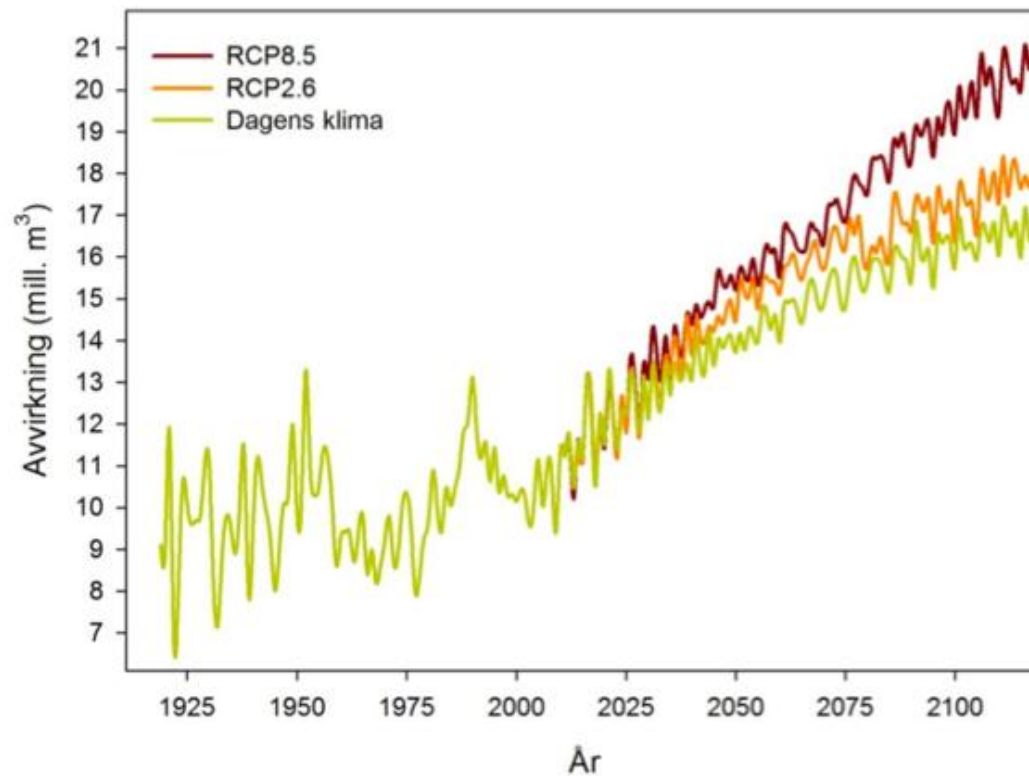
CHALLENGES: BASELINE?



CHALLENGES: CHANGES ARE SENSITIVE TO MODEL



CHALLENGES: INTERACTIONS




CONCLUSION

(1) Not easy!

(2) Requires specialized methods

(3) Very sensitive to key assumptions: especially harvest and climate impacts

A scenic landscape photograph of a valley. In the foreground, there is a grassy field with several large hay bales. A line of trees separates the field from the valley floor. In the background, there are large, rugged mountains, some with patches of snow or light-colored rock. The sky is overcast with soft, diffused light. The overall mood is peaceful and natural.

Thank you