

Joana Buß
Sonja Hagena
Lasse Bock
Thomas Leruth
Nina Schobben
Supervisor:
Serdar Turkeli

CONTRAIL AVOIDANCE

PROBLEM ANALYSIS AND SUGGESTIONS FOR IMPLEMENTATION



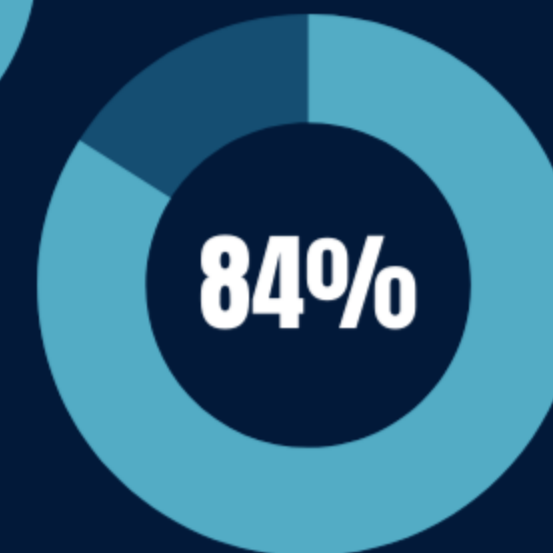
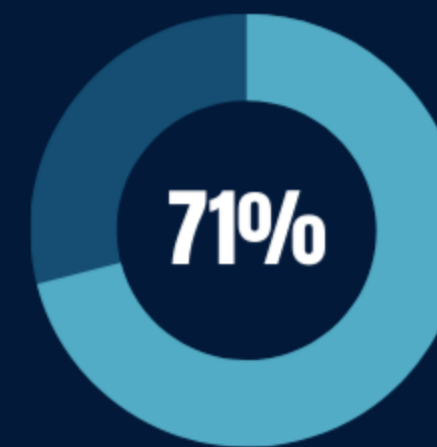
INTRODUCTION

- Contrails = ~**50% of total aviation impact**
- Rerouting 2-16% of flights could reduce contrails by 80%

METHODOLOGY

- 2 **expert interviews** from different stakeholders
- A **survey** of 83 respondents

Respondents Unaware



Support Coercive Policies

Willing to Pay Extra



A C.L.E.A.R. WAY FORWARD

5 AREAS OF FOCUS TO EFFECTIVELY IMPLEMENT CONTRAIL AVOIDANCE IN THE MAASTRICHT UPPER AREA



COOPERATIVE GOALS

cooperate **stakeholder perspectives**
use dynamic goals



LEGAL STEPS

Update national air traffic regulations
Collaborate with internat. bodies



ECONOMIC INCENTIVES

Create financial **incentives**
Avoid taxing non-co2 emissions



AWARENESS INITIATIVES

Educate customers
Cooperate with airlines



RESEARCH PROGRESS

Conduct further trials **alongside** implementation



Your coffee can fuel climate action.