



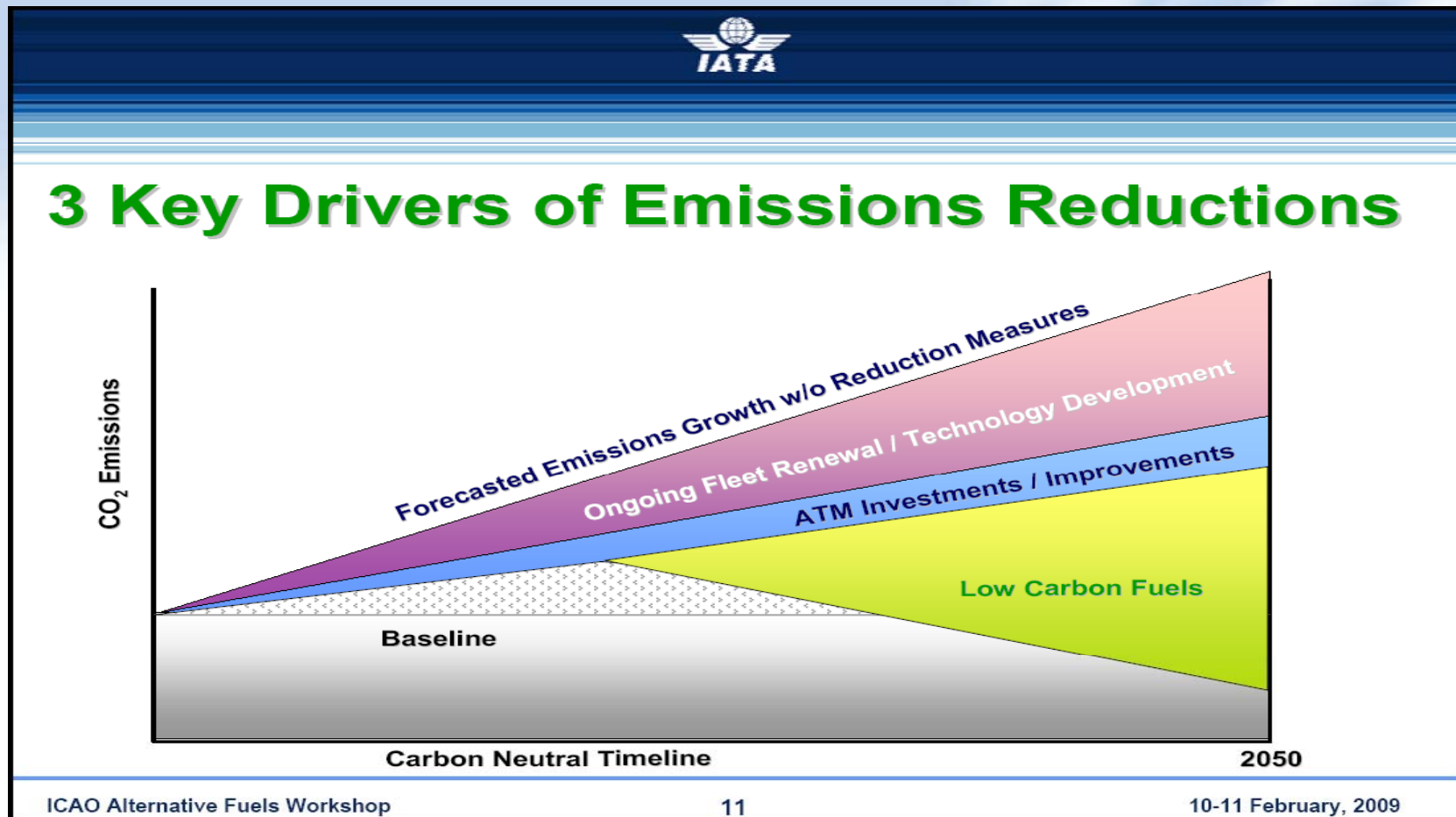
CHRISTIAN DUMAS
VP ENVIRONMENTAL AFFAIRS
AIRBUS

AIRBUS & ENVIRONMENT

LEIPZIG 2009



The challenge



Meeting increasing demand for air transport + Addressing environmental issues

=

Aviation's ongoing challenge

The solution

ECO-EFFICIENT AT EVERY STAGE



Full life-cycle approach



Investing in research to
design
cleaner aircraft



Investing new best practices
to disassemble and recycle
end-of-life
aircraft



Global ISO 14001 Certification



Managing the
supply chain
for a shared vision of
environmental
responsibility



Optimising
**aircraft
operations**
and maintenance for enhanced
environmental performance

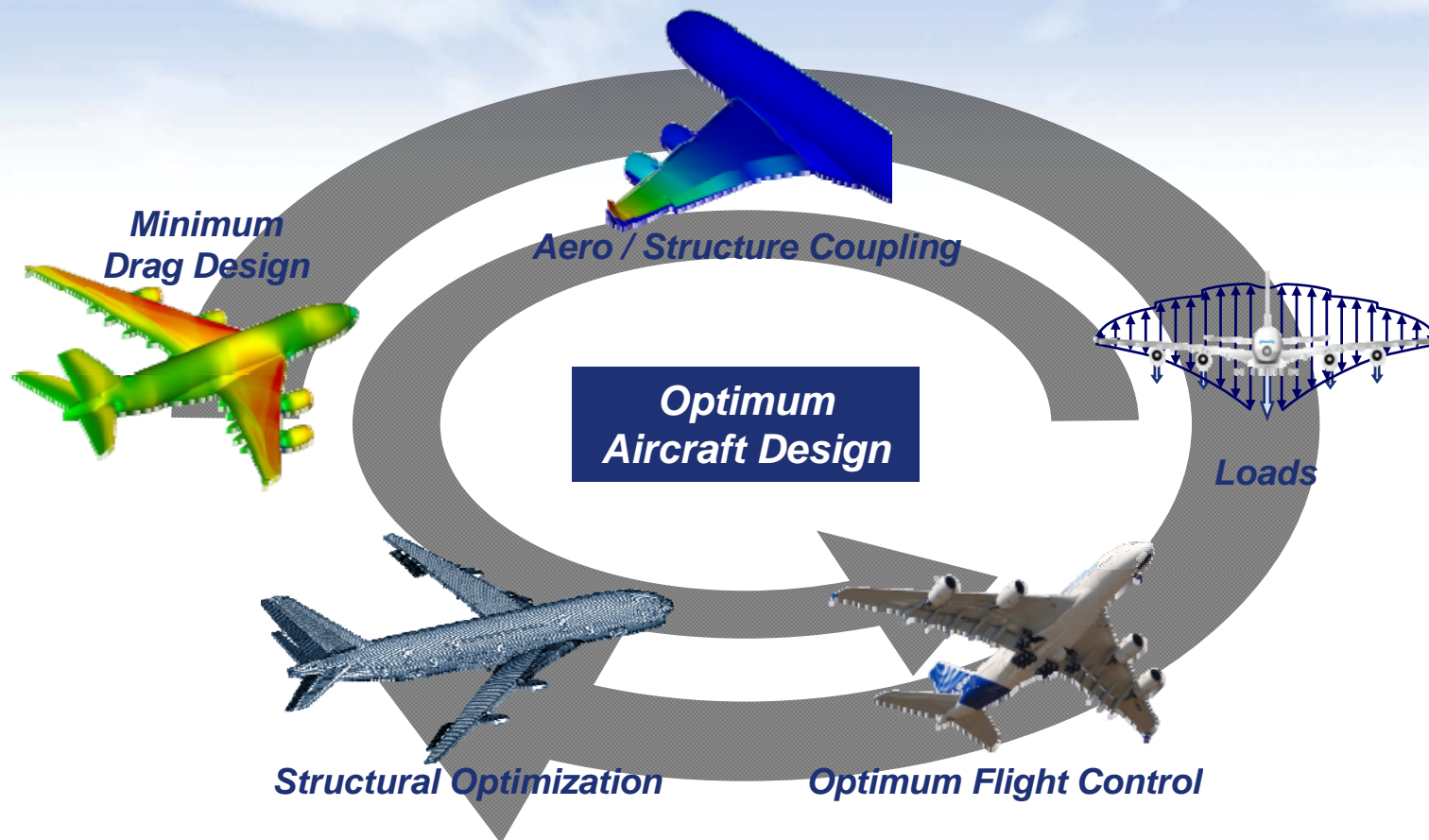


Mitigating the impact of
manufacturing
on the environment thanks
to cleaner technologies
and processes



Multidisciplinary Design

Full **integration** of wide range of aircraft design disciplines



Research and Innovation are Key

CLEAN SKY JTI

Large-scale research

- Develop breakthrough technologies to significantly improve the impact of the air transport on the environment
- Six technical areas and one Technology Evaluator to oversee the whole program



Budget: **1,6 B€**

Partners: **86**

Timeframe: **7 years**

Countries: **16**

Airbus is fully committed to further improving the efficiency and lowering the environmental impact of its Aircraft

TOWARD AVIATION SUSTAINABLE GROWTH :

- Eco Efficient Transport thanks to continuous INNOVATION
- Key factor to Future Generations Development and Welfare
- A global Transport service that requires global measures

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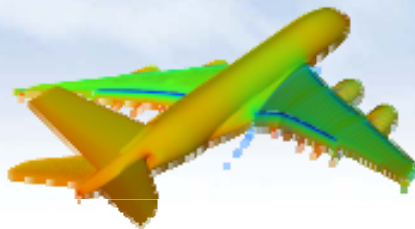


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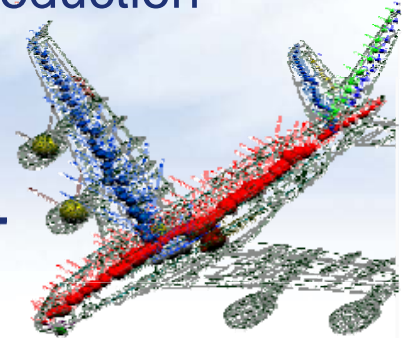
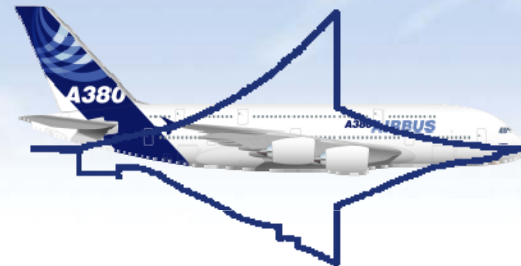
AN EADS JOINT COMPANY
WITH BAE SYSTEMS

ECO-EFFICIENCY IN RESEARCH FLIGHT PHYSICS

● Flight Physics Technologies Directly Targeting Fuel Burn Reduction

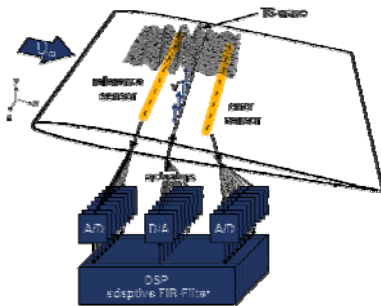


Aerodynamic Drag Minimization

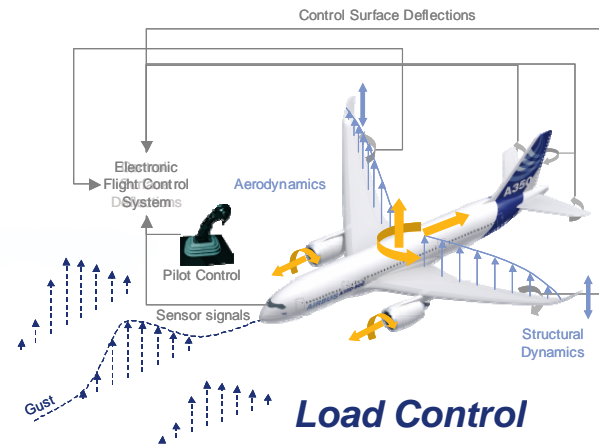


Weight Savings through Load Management

● Breakthrough Technologies



Flow Control



Load Control

Flow Control Technology & Application Provide Significant Opportunity