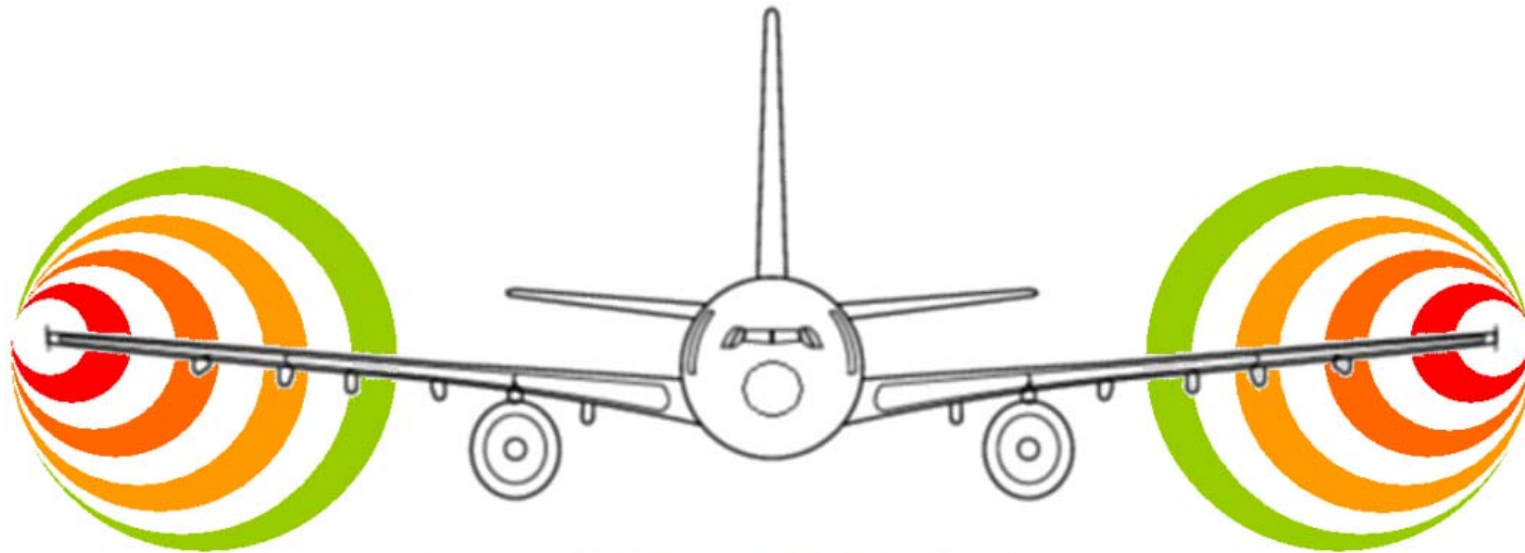


Welcome to the 1st Workshop



# ***WakeNet3-Europe***

***A network on Aircraft Wake Turbulence***

## **Wake Turbulence Safety in Future Aircraft Operations**

Hosted by Thales Air Systems at Thales University

Paris, January 8<sup>th</sup> & 9<sup>th</sup>, 2009

Andreas REINKE, Airbus, Coordinator



# WakeNet3-Europe



- European Coordination Action for Aircraft Wake Turbulence
  - ▶ WakeNet3-Europe / WN3-E
- is a Coordination Action Project of the Seventh Framework Program of the European Commission
- is a consortium of 12 partner organisations and Eurocontrol
- is a framework for information exchange and discussions of wake vortex related aerospace topics between professionals

 ***YOU***

# WakeNet3-Europe



- Airbus - *Coordinator*
- Thales Air Systems
- Thales Avionics - *Deputy Coordinator*
- Deutsches Zentrum für Luft und Raumfahrt (DLR)
- Nationaal Lucht- en Ruimtevaartlaboratorium (NLR)
- DFS Deutsche Flugsicherung
- Office National d'Etudes et Recherches Aéronautiques (ONERA)
- NATS En-Route Plc.
- Université catholique de Louvain (UCL)
- Technische Universität Berlin
- European Cockpit Association
- Technische Universität Braunschweig
- Eurocontrol - *Third Party*

# WakeNet3-Europe



- started on April 1st, 2008  
and planned to run until March 31st, 2011 (3 yrs)
- its Mission:
  - ▶ To promote multidisciplinary exchange between scientific and operational specialists in the field of wake vortex turbulence
  - ▶ To enable the development of a shared view on how to address capacity-related issues caused by wake turbulence.
- its Concept:
  - ▶ Workshops - large & small - for information exchange and discussions
  - ▶ Public Documents on State of the Art & Research Needs

# WakeNet3-Europe



- is the successor to earlier European *WakeNets*
  - ▶ WakeNet, 1998 - 2002
  - ▶ WakeNet2-Europe, 2002 - 2006
  - ▶ WakeNet-Europe, 2007
- is a partner to other *WakeNets* worldwide
  - ▶ WakeNet-US
  - ▶ WakeNet-Russia
  - ▶ ...

- WN3-E 1st Workshop

## Wake Turbulence Safety in Future Aircraft Operations

- Five main topics
  - ▶ 1 Wake Vortex Concepts in SESAR and NextGen
  - ▶ 2 Operational Detection and Prediction of Wake Vortices
  - ▶ 3 Wake Vortex related Safety Cases for Operational Implementation
  - ▶ 4 Wake Advisory and Warning Systems
  - ▶ 5 Towards Recategorisation of Wake Turbulence Separations



# WakeNet3-Europe



- Organisational items
  - ▶ Registration
    - If you did not manage to pay your fees yet: please get in contact with Thomas Feuerle
  - ▶ Timing
    - Strict timing. Let's do our best to start & end on time!
    - Session chairs act as time-keepers
  - ▶ Questions
    - 5 Minutes at the end of each presentation
  - ▶ Group Photo
    - Meet prior to today's lunch (12:50) in front of the building

# WakeNet3-Europe



- Visit [www.WakeNet3-Europe.eu](http://www.WakeNet3-Europe.eu)
  - ▶ To find the presentations of this workshop
  - ▶ To find calls for upcoming workshops (small & large)
- Thanks
  - ▶ to the EC
  - ▶ to the local host - Thales Air Systems
  - ▶ to the chair persons & presenters
  - ▶ to the WN3-E partners



# WakeNet3-Europe



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