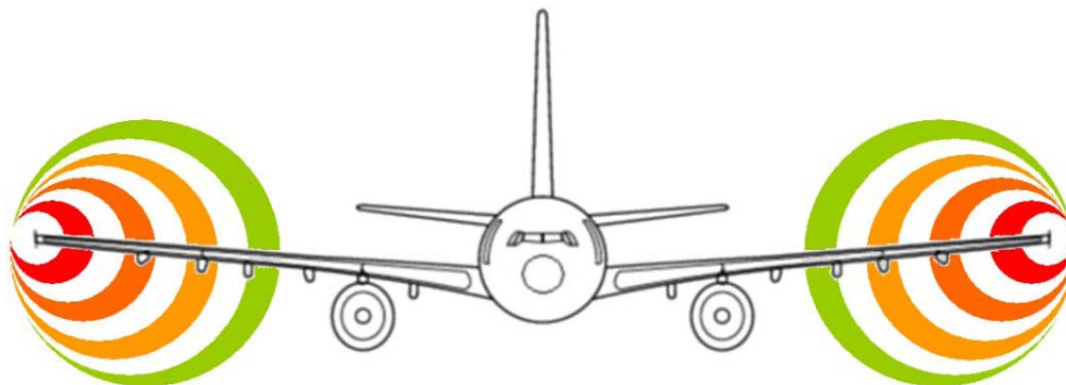




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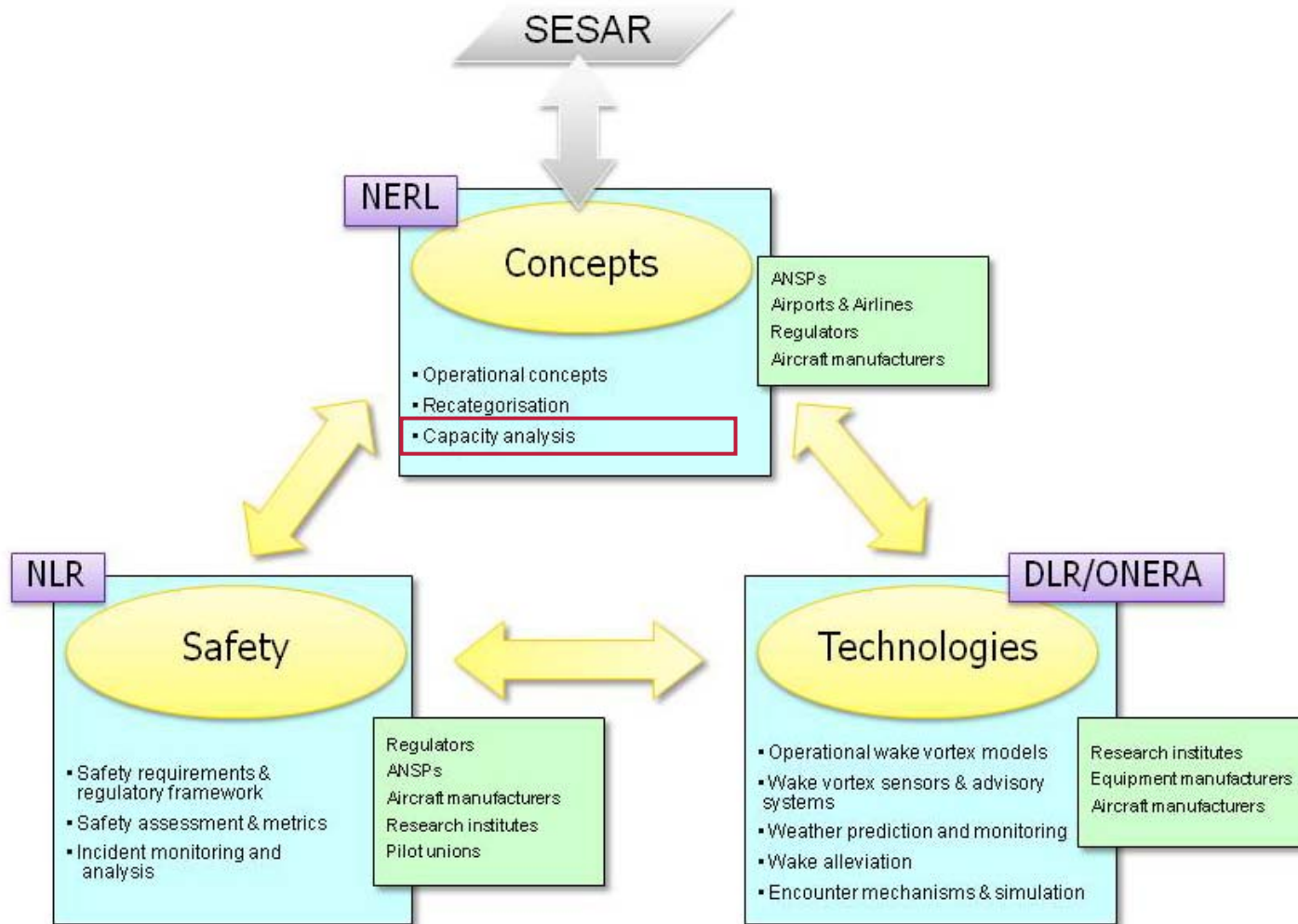
WakeNet3-Europe
A network on Aircraft Wake Turbulence

Operational Concepts – Capacity Analysis

Opening Session, 09.02.2011

Meiko Steen/Shanna Schönhals, WakeNet3 Task Leader “Capacity Analysis”

WakeNet3-Europe Structure: Coordination Areas and Task Groups

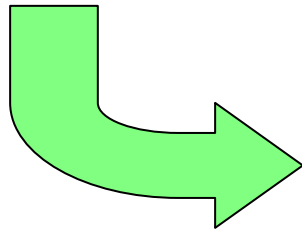


Motivation and objectives of this workshop



■ Capacity Analysis:

1. Analyze capacity impact of an operational concept
2. Tools/Methods of analyzing capacity

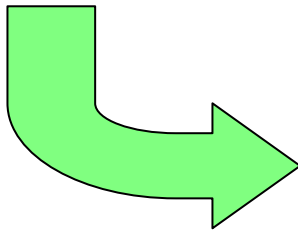


- involve operational stakeholders in ongoing research
 - identify open questions and ways for clarification
 - identify needs and opinions of experts and stakeholders
- ➔ Research Needs!

Capacity Analysis: Concepts & Research Needs



- global upcoming concepts (4D-PTC, etc.)
- national airspace
- airport operations/procedures
- traffic mix, weather, safety case



- which analysis method is most appropriate for a specific concept?
- what are the benefits for the stakeholders?
- what are the benefits of the overall system?
- ➔ research needs could/should be defined in the course of this workshop!

Agenda Day 2: Operational Concepts – Capacity Analysis

- Introduction
- **Topic 1:** The Wake Vortex Prediction and Monitoring System (WSVBS) – Capacity Aspects *by Frank Holzäpfel (DLR)*
- **Topic 2:** Wake Procedures in the US and the Potential Capacity Benefit *by Marshall Koch (MITRE) and Steven Lang (FAA)*
- **Topic 3:** Benefits of Conditional Reduction of Wake Turbulence Separation Minima *by Jens Konopka (DFS)*
- **Topic 4:** RECAT and the Capacity Impact *by Steven Lang (FAA)*
- **Topic 5:** Wake Turbulence Procedures at Frankfurt Airport *by Steffen Wendeberg (Fraport)*