

# SESAR Joint Undertaking P6.8.1

---

WakeNet-3 Europe – June 2011

Peter Eriksen

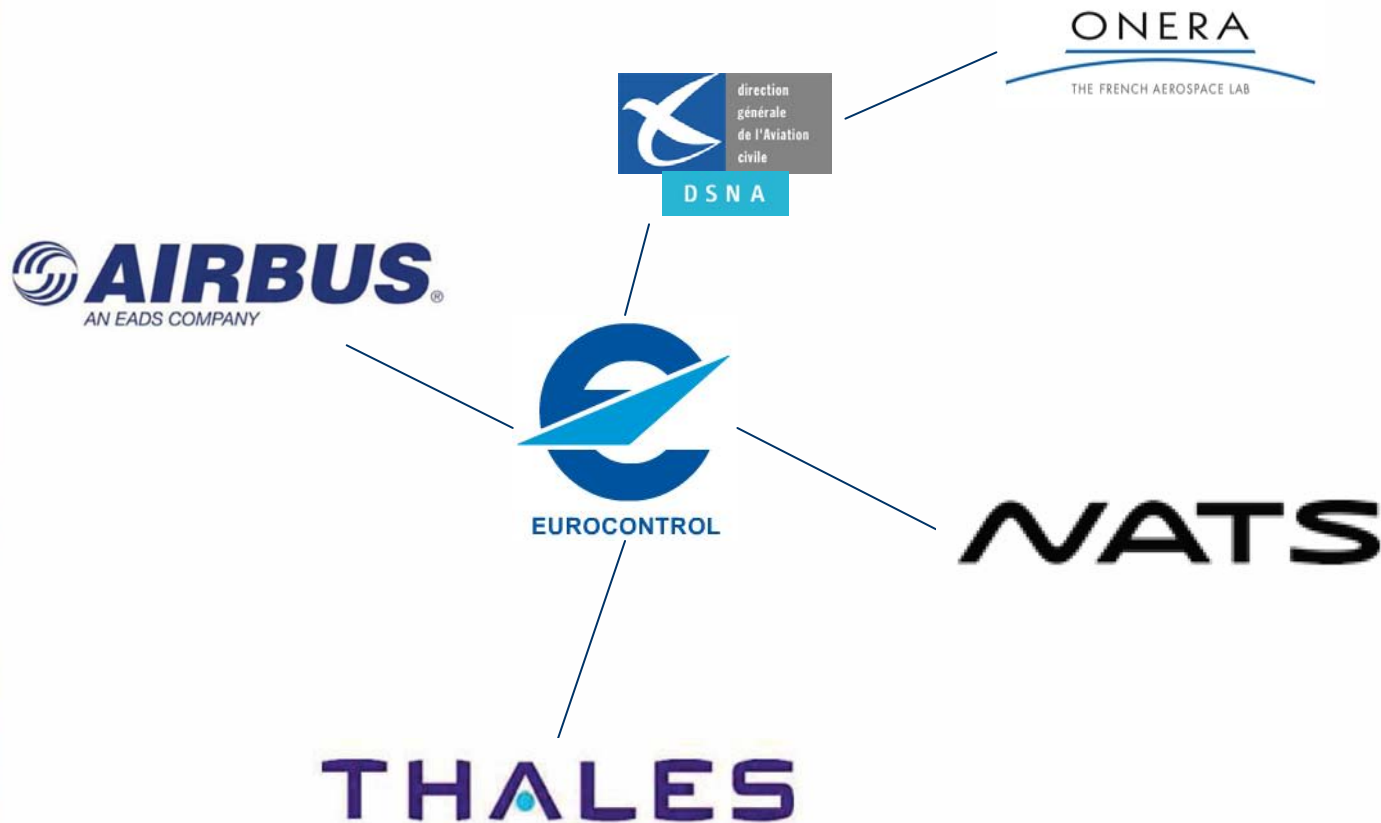


## P6.8.1 Flexible and Dynamic Use of Wake Turbulence Separations

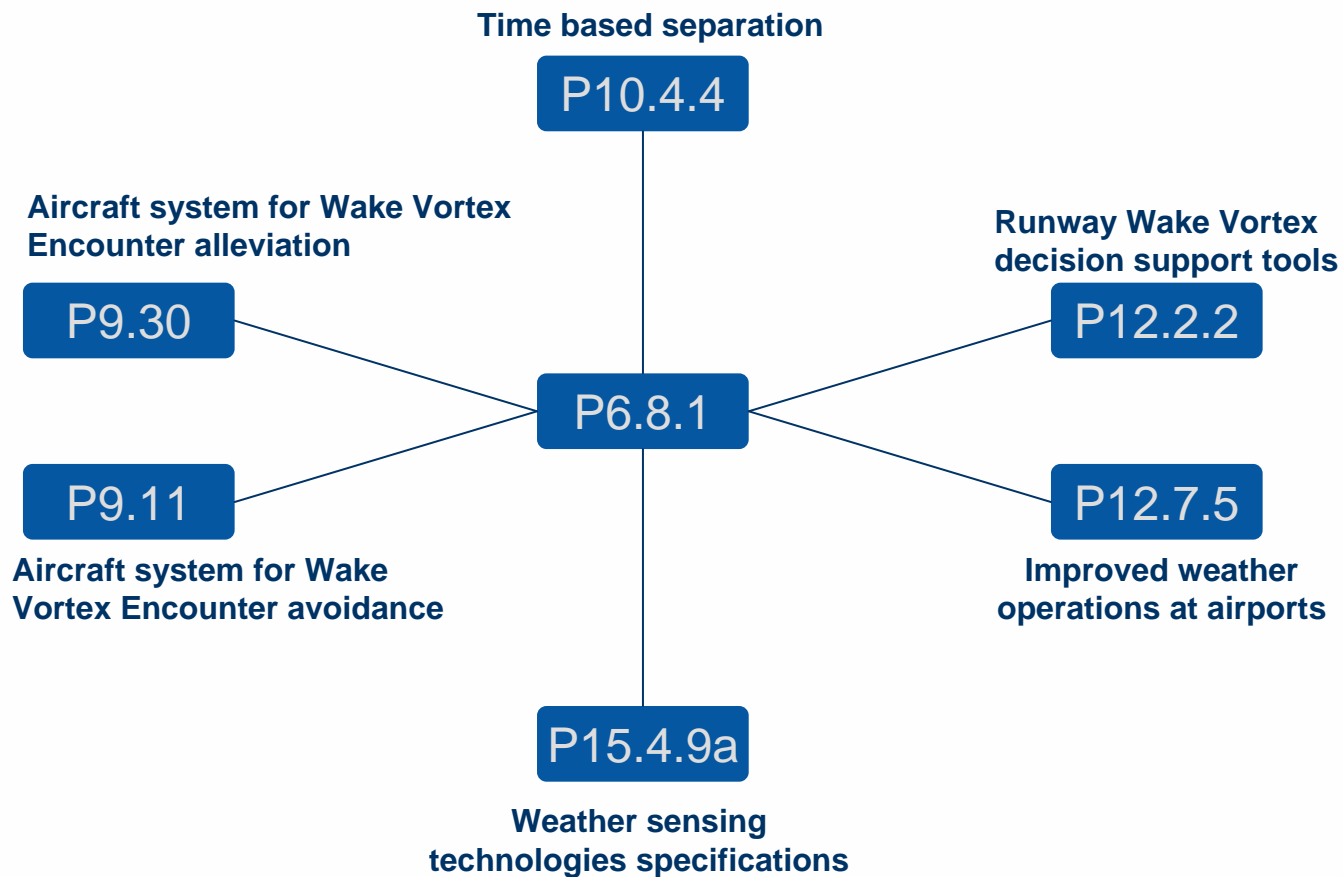
The objective of P6.8.1 is to develop solutions to:

- **Step 1:** Permanently provide arrival capacity resilience to challenging wind conditions to redress the current impact of such conditions on the achieved capacity (**TBS**)
- **Step 2:** Conditionally provide arrival and departure throughput increases in favourable prevailing meteorological conditions to more efficiently handle peaks and queues in arrival and departure demand (**WDS**)
- **Step 3:** Permanently provide arrival and departure capacity increases across all conditions for both more contingency provision for non-nominal conditions and more provision for capacity declaration across all conditions (**D-PWS**)

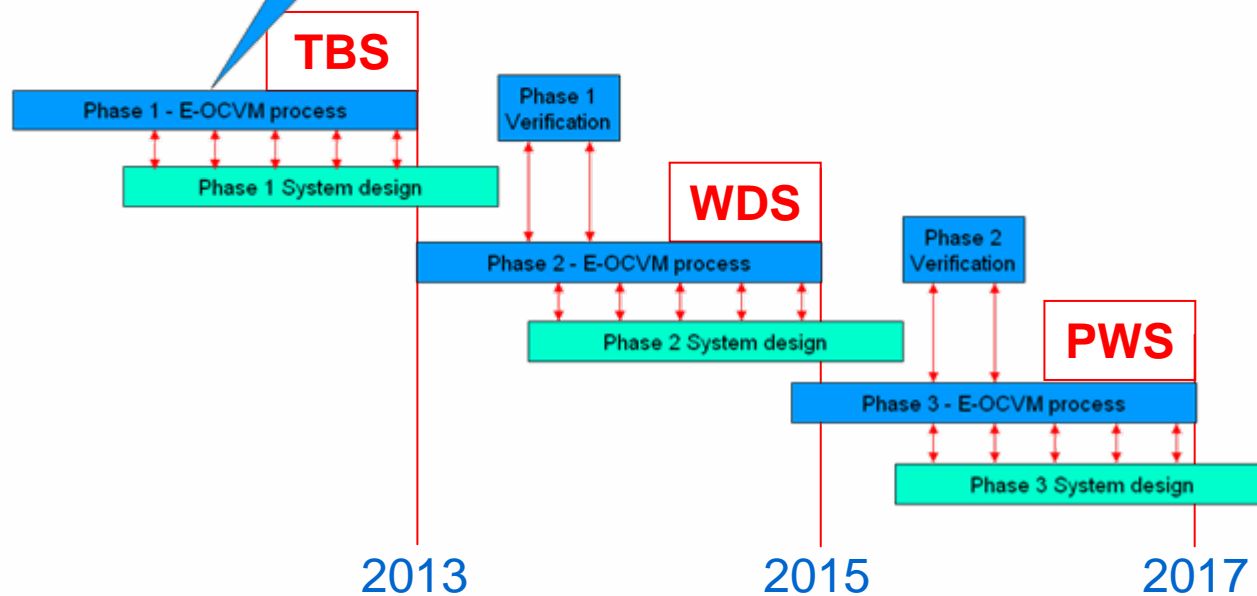
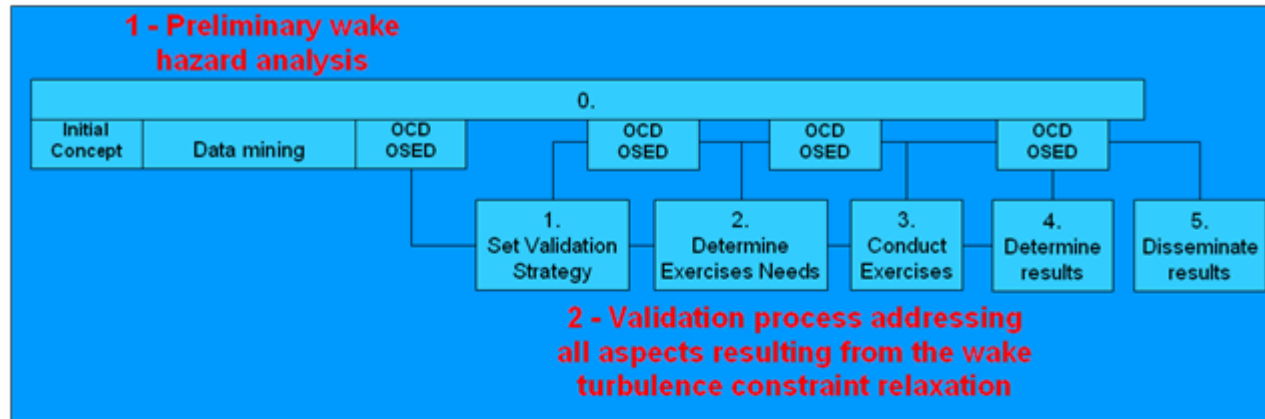
# Project partners



# System Project's partners



# Validation process



# Project Tasks

Task 1 – Project management plan

Task 2 – Project management reporting

Task 3 – High-level OCD preparation **Completed**

Task 4 – High level OSED preparation **Completed**

Task 5 – (TBS) - State concept and assumptions **Ongoing**

Task 6 – (TBS) - Set validation strategy

Task 7 – (TBS) - Determine the exercise needs

Task 10 – (TBS) - Conduct exercises **OCT 2011 - 2012**

Task 11 – (TBS) - Determine the results

Task 12 – (TBS) - Disseminate information

Task 8 – Research on Wake Vortex Encounter severity metrics

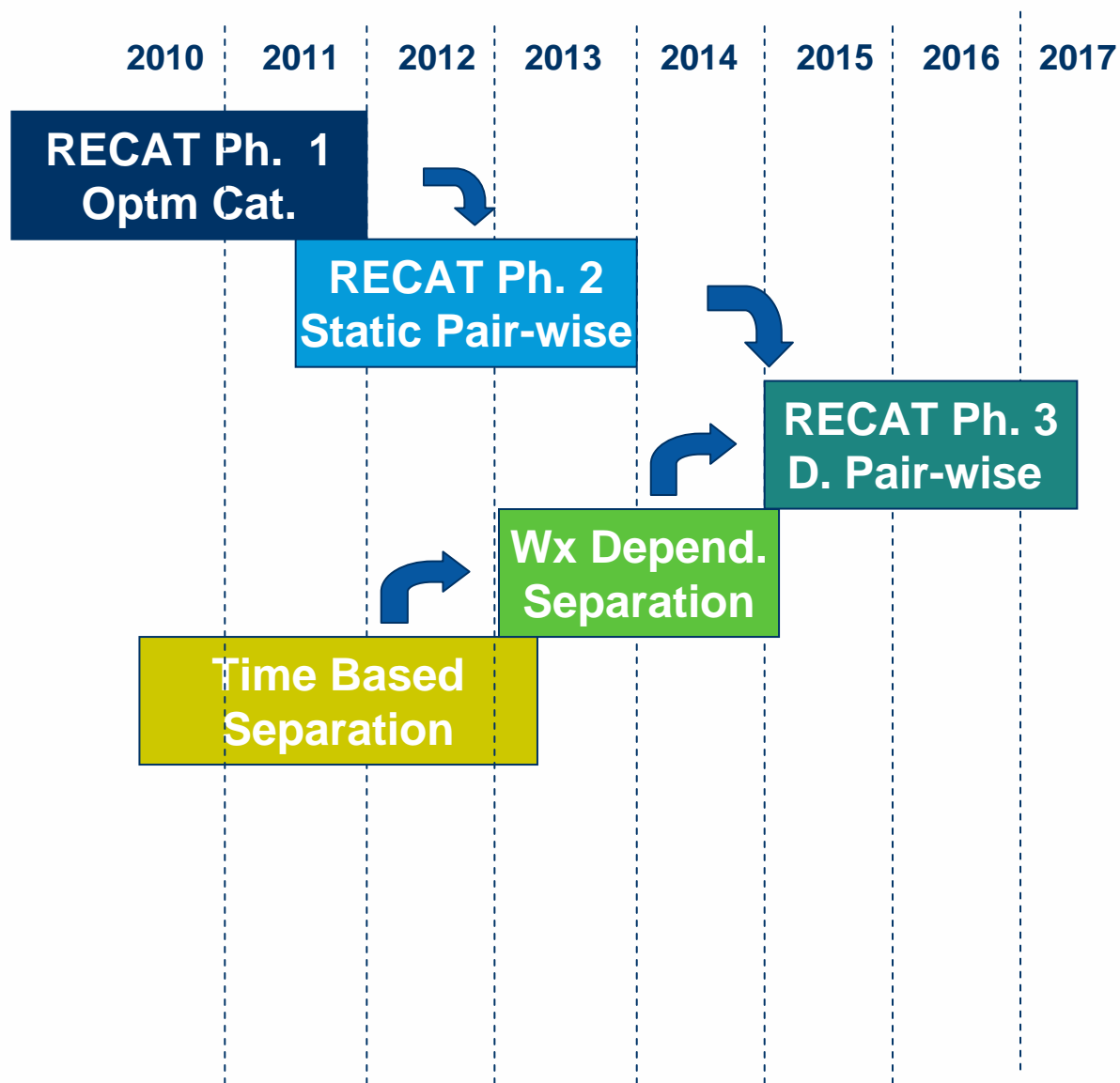
Task 9 – Permanent data collection (LIDAR) **Ongoing**

## Project Tasks

Task 13 – (WDS) - State concept and assumptions **2013 - 2014**  
Task 14 – (WDS) - Set validation strategy  
Task 15 – (WDS) - Determine the exercise needs  
Task 16 – (WDS) - Conduct exercises  
Task 17 – (WD) - Determine the results  
Task 18 – (WDS) - Disseminate information

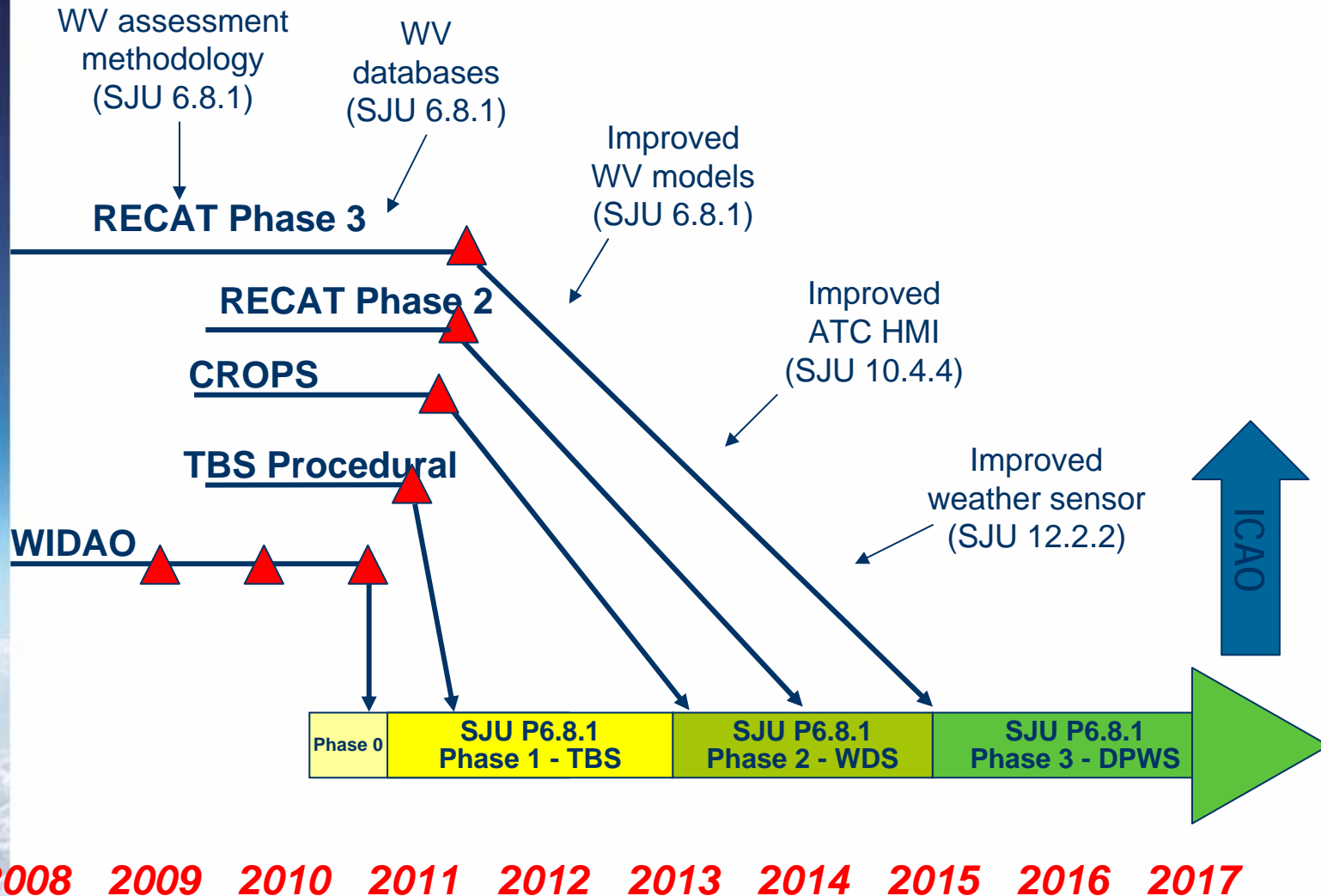
Task 19 – (TBS) - State concept and assumptions **2015 - 2016**  
Task 20 – (TBS) - Set validation strategy  
Task 21 – (TBS) - Determine the exercise needs  
Task 22 – (TBS) - Conduct exercises  
Task 23 – (TBS) - Determine the results  
Task 24 – (TBS) - Disseminate information

# Link between RECAT and P6.8.1.





# SJU contribution to RECAT



2008 2009 2010 2011 2012 2013 2014 2015 2016 2017