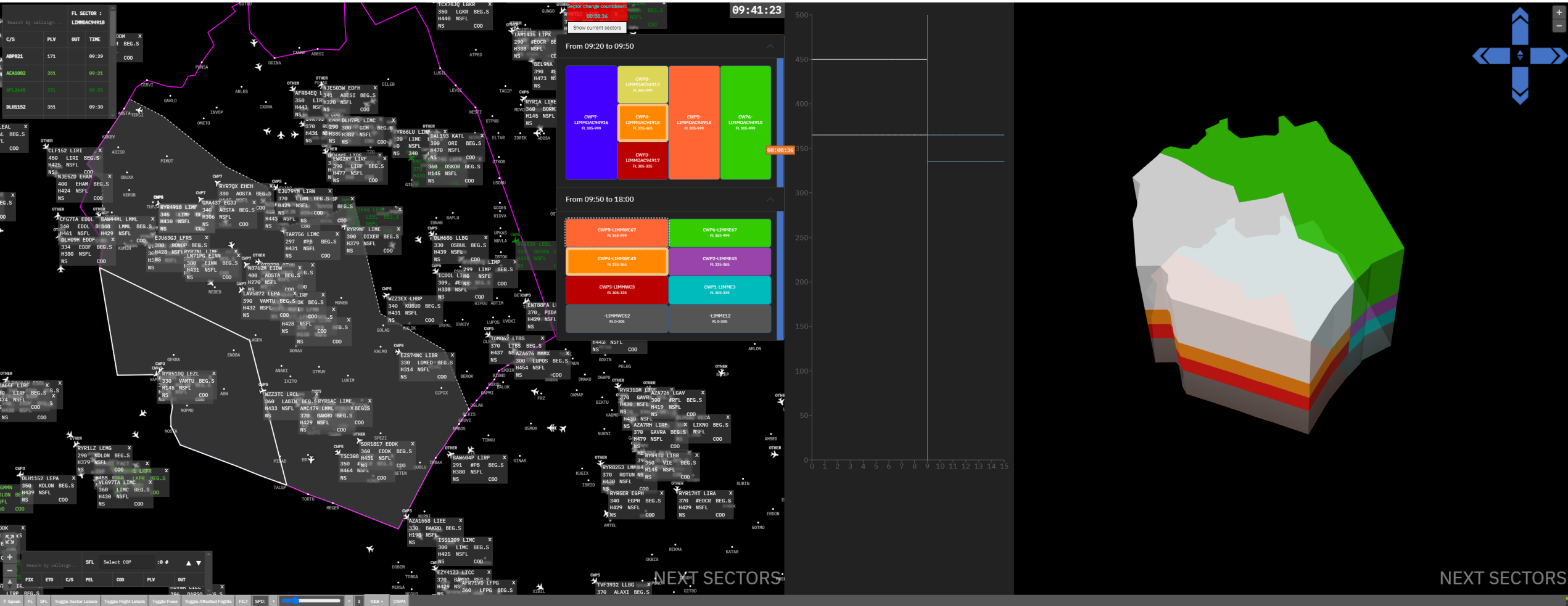


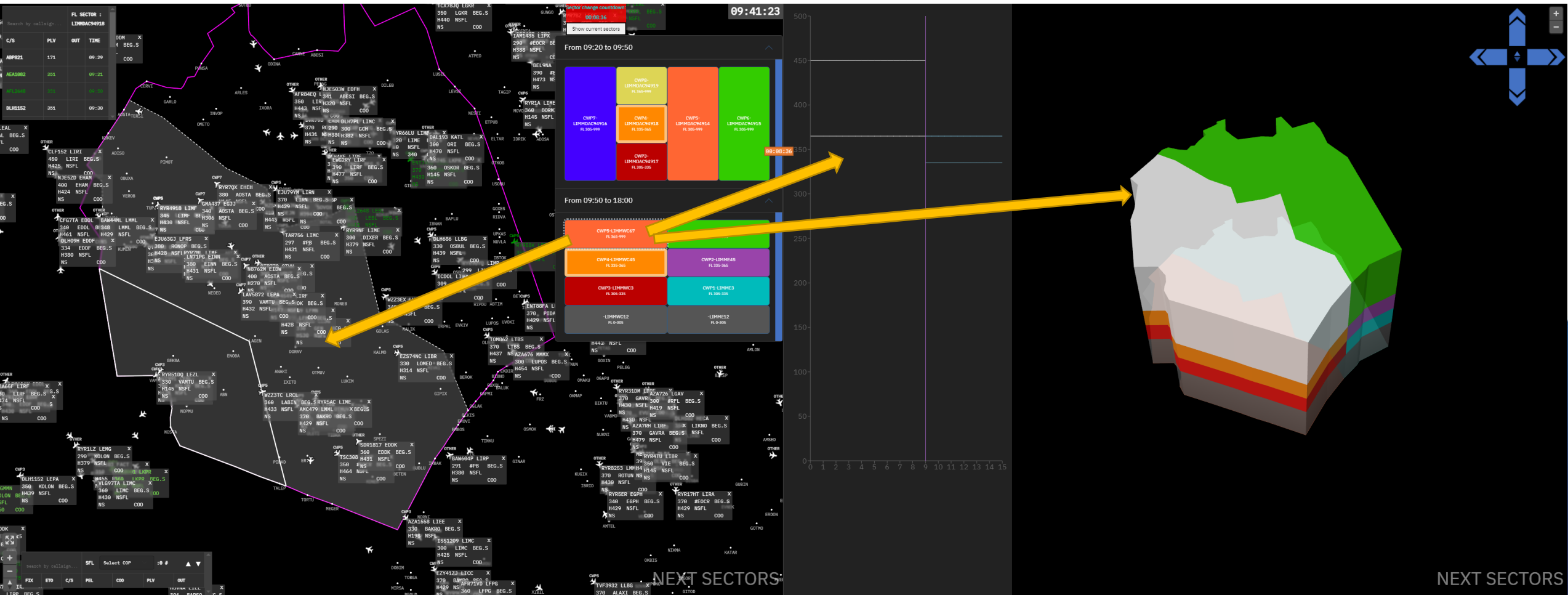
# Using speech control to support ATCOs when applying dynamic airspace configurations

Erik G. Nilsson, SINTEF

## SESAR 2020 SHOWCASE

# Novel design solutions for DAC







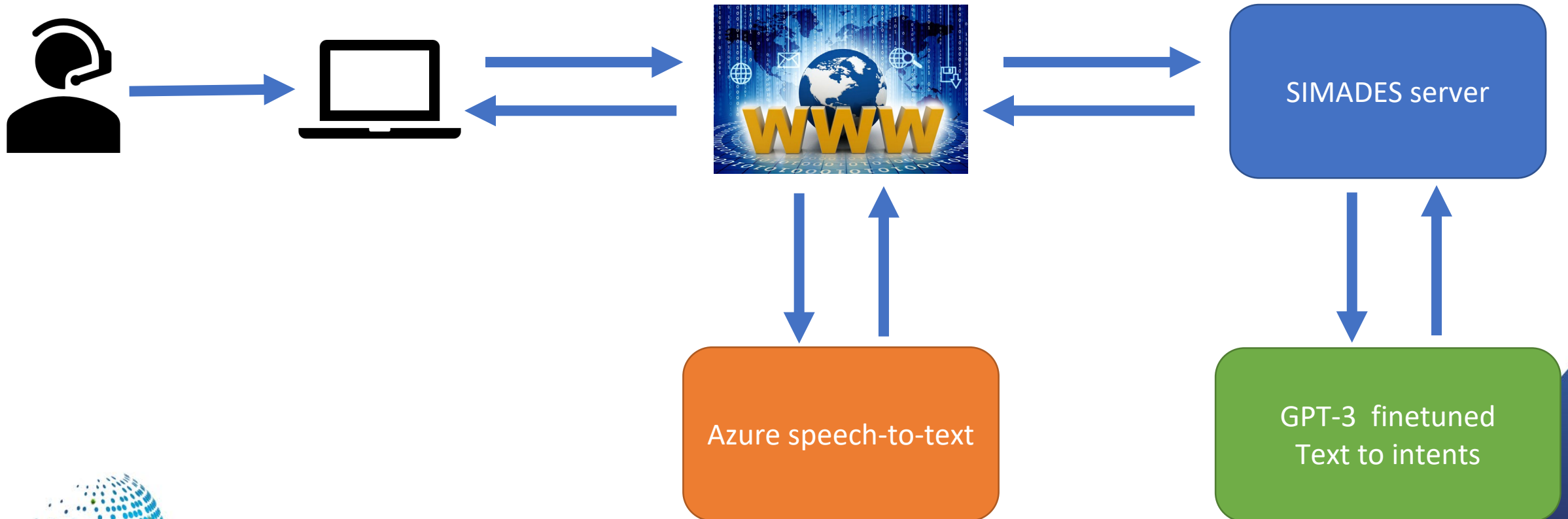
# Voice control in the CWP

The image displays a complex software interface for air traffic control. On the left, a map shows flight paths and aircraft positions. In the center, a panel titled "From 09:20 to 09:50" and "From 09:50 to 18:00" shows various colored blocks representing different sectors. On the right, a 3D visualization shows a stack of colored blocks representing the vertical structure of sectors. A large yellow arrow points from the 3D visualization towards the center panel. A smaller yellow arrow points from the center panel towards the top-left map area. A green banner at the bottom of the interface contains the text "show next configuration of sector above".

show next configuration of sector above

NEXT SECTORS

# Web-based speech control



# Speech command types

- Visualizing sectors configurations
- Controlling the 3D view
- Highlighting flights affected by an upcoming sectorization change
- Manipulating speed vectors and trajectories
- Setting altitude filter
- Toggle fixes and flight labels in own and other sectors



**Visit us at SINTEF booth D3A!**

**Scheduled demos**

**9th of March 12:00 (walking tour)**

**10th of March 11:00**

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*This research has been conducted as a part of the projects Digital Network Management Services (PJ.09-W2 DNMS) and Separation Management and Controller Tools (PJ10-W2 PROSA) within the European aviation programme SESAR Joint Undertaking. It has received funding from the SESAR Joint Undertaking (JU) under grant agreements No 874463 and No 874464. The JU receives support from the European Union's Horizon 2020 research and innovation programme and the SESAR JU members other than the Union. Thanks to the all participants and the project teams at ENAV, IDS AirNav, EUROCONTROL and SINTEF!*

