DATS – setting the scene

11-12 february 2019

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NORRKÖPING SWEDEN 11–12TH FEBRUARY 2019 DIGITAL AIR TRAFFIC SERVICES

Workshop





on Safety and Workload

Meeting room: TMP 55 / TP5035, Täppan building 5th floor

- 11:30 Lunch at Visualization center (sponsored by SAAB)
- 13:15 Billy Josefsson, LFV and Valentin Polishchuk, LIU: Welcome notes, round table, introduction
- 14:00 KEYNOTE: Erik Bäckman, SAAB group, VP Operations Saab Digital Air
- Traffic Solutions, RTC Sundsvall: **Starting Point for the Reality**
- 15:00 Coffee break
- 15:15 Tatiana Polishchuk and Christiane Schmidt, LIU: **Starting Point for Research,** CAPMOD project
- 16:00 Lothar Meyer, LFV: **Safety and Risk assessment**, MERASSA project
- 16:30 Active discussions, work in groups
- 17:15 Finish for today
- 18:30 Social Event: Dinner (own cost), location to be announced





VÄLKOMNA

ANTIPASTI

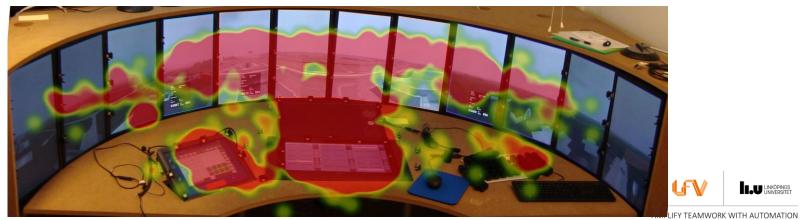
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STARTING POINT

- -technology
 - -services
 - -learning
 - -exchange
- -collaboration; industry users academy





What is the RTC research challenges?

- ✓ Safety
 - -Demonstration,
 - -Risk and Safety Assessment
- ✓ Understanding Workload
 - -detect

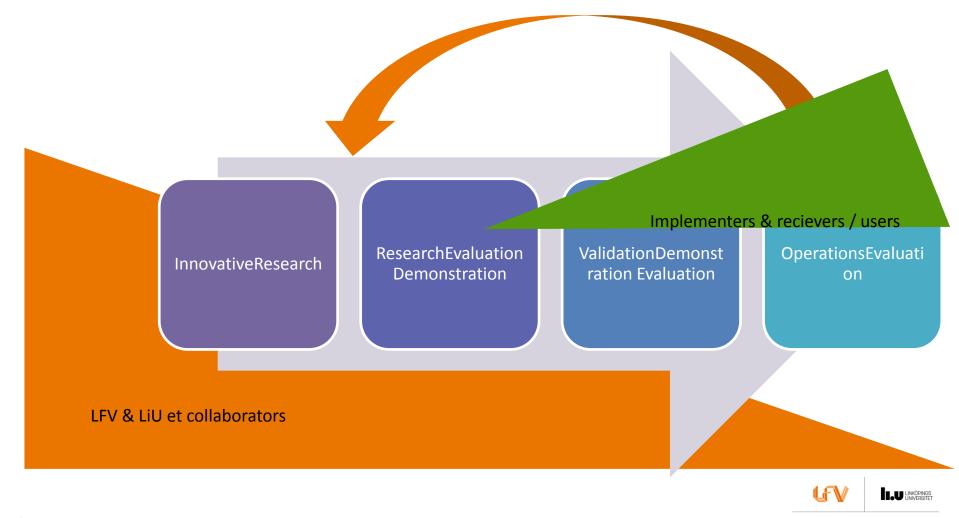
Your conference paper reached 50 reads Conference paper: Scheduling air traffic controllers

Achieved on Feb 9, 2019 at the remote tower center





AMPLIFY TEAMWORK WITH AUTOMATION



Observations and comments

- ✓ Progress
- ✓ Starting point ----- YES
- ✓ CAPMOD ----- on track?
- ✓ MERASSA ----- eTRA----- on track?
- ✓ Is research fit for purpose?
- ✓ Are we doing the right research, with the right people?
- ✓ New areas?
- ✓ Specific Issues (look at boards)



Next

- ✓ Exchange useful?
 - -Reserarchers?
 - -Others / Users /

✓ Write up a short summary and way fwd... Key issues , ,keep the network.



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What we re doing

- ✓ Work on Safety & risk assessment is high priority (MERASSA → ETRA)
- ✓ Work on workload management and optimisation of staff (CAPMOD)

What about....

- ✓ Change Management
- ✓ Training
- ✓ Social Dialogue
- ✓ Standardisation



What's in the Research pipe for DATS, 3,4,5-10 yrs ahead

- ✓ Labelinteraction (less or no need for e strip)
- ✓ Workload monitoring
- ✓ Automatic Speech Recognition
- ✓ New sensors
- ✓ Augumented Reality
- ✓ Attention Guidance supported by AI
- ✓ Automation support for training and verification of competence
- ✓ Resilient Strategies for multiple information sources (RE5 → X10→hybrid i/f)



Collaboration LFV and LiU Linköping University – Science for the aviation of tomorrow









Day2

- 09:00 Eamonn Wylie: Remote Tower Operations: A Professional Staff Organisation's Perspective
- 09:30 Steve Burchill: Adaptive Automation: Status, Current Applications and Emerging Considerations
- 10:00 Jarkko Hirvonen: Probabilistic Snowcasting Methods used in Finnish Meteorological Institute
- 10:30 Outlook, closing notes
- 10:45 Coffee break
- 11:00 Walk to the city center
- 11:30 Open Repetition with SON (Norrköping Symphony Orchestra) at Louis De Geer Concert and Congress Centre
- 12:30 Lunch at De Geer(sponsored by LFV Research& Innovation)

