SESAR Innovation Days 2016
ASDA
Kurt Klein
2016-11-08, TU-Delft
Delft, The Netherlands
ATM Research

„Research did not deliver“  -----  ?????

A phrase used to push for SESAR in 2006, but it was never true
ATM Research

• SESAR build upon research work mainly executed in the 1990ies by Universities, Research Establishments, and Research departments of ANSPs.

• Our Experiments of 199x are now put in operation with the help of SESAR and SESAR Deployment.
ATM Research

SESAR was a necessary step to consolidate the transfer from the labs to operation, by

• bringing stakeholders together,
• filling knowledge gaps in several applications,
• getting over the fragmentation in Europe (mainly ANSP)
ATM Research

• So, everything in good shape ??

>>> Do not forget the sources of new technology, make provisions for the future !

>>> That is why **ASDA**, the advocat of ATM researchers, is still fighting for

• Long-term or exploratory research

• The required environment for fundamental research, and

• Enough financial and expertised ressources
ATM Research

Focus of RE

The Innovation Cycle includes all phases

Exploratory Research

Applied Research

Pre-Industrial Development

Industrialisation

Deployment

‘IDEAS’

‘UNDERSTANDING’

‘POTENTIAL’

‘PRODUCTION’

‘RESULTS’
The Association

• Was founded in 2007
• Has now 20 members (Universities and non-commercial Research Establishments) and 3 associated members
• Represents the Scientific Community in the SESAR JU administrative board
• Fosters scientific discussions and supports cooperation between members and other stakeholders
# ASDA Series of Tournaments 2016

## Thursday 10.11.2016

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<tr>
<th>Time</th>
<th>Theme</th>
<th>Guide</th>
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<tbody>
<tr>
<td>14:00 - 14:10</td>
<td>ASDA welcome</td>
<td>Kurt Klein (ASDA Chairman)</td>
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<td>14:10 - 14:30</td>
<td>Key Note</td>
<td>Marc Bourgois (Eurocontrol)</td>
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<td>14:30 - 16:00</td>
<td>ASDA Session 1: Virtual Tower Centre</td>
<td>Evert Westerveld (LVNL)</td>
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<td>16:00 - 16:30</td>
<td>Coffee/Tea</td>
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<td>16:30 - 18:00</td>
<td>ASDA Session 2: Aviation 4.0 - How and in which situations automatic flying can increase safety (and security)</td>
<td>Peter Waldinger (ex. DFS board)</td>
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## Friday 11.11.2016

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<tr>
<td>09:00 - 10:30</td>
<td>ASDA Session 3: Airport Performance - More Punctuality</td>
<td>Christoph Schneider (MUC)</td>
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<td>10:30 - 11:00</td>
<td>Coffee/Tea</td>
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<td>11:00 - 12:30</td>
<td>ASDA Session 4: Cyber Security in ATM</td>
<td>Christopher Johnson (Glasgow University)</td>
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<td>12:30 - 13:00</td>
<td>Wrap-up by Guides</td>
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<td>13:00 - 13:10</td>
<td>Closing</td>
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What next?

• At General Assembly of ASDA on Thursday evening (18:30, TU-Delft, Room B) further involvement of the association in research coordination and lobbying will be discussed.
• The long term research and its consolidation in SESAR2020 will be supported.
• Next Year more ASDA events are planned.
• And … we are starting to lobby for more ATM Exploratory Research in the future, also beyond H2020.
More on: http://www.ASDA.aero

Thank You!