



At the core of the Engage KTN is the definition of various thematic challenges: new ideas suggested by the research community, not already included within the scope of an existing SESAR project. They are developed along with the ATM concepts roadmap and complementarily with some of the network's PhDs and theses.

Thematic challenge 4

Novel and more effective allocation markets in ATM – the way forward



2nd workshop draft programme

Edition 1.0, 29 August 2019

Workshop date: **12 November 2019**
Host: Nommon
Address: Madrid, Spain (exact location TBC)
Web details for access: (to follow)

Abstract

In this workshop we take forward the discussions of our first event, held in London in October 2018, and introduce the research now being supported by the SESAR KTN, Engage, through its newly-launched PhDs and catalyst fund project. Our presentations start with expert viewpoints from outside the ATM domain, then focus more on the application of behavioural economics within ATM, before concluding with a facilitated workshop, a key output of which will be how we integrate these early activities in this new field, and what the next steps ought to be.

Draft programme

0830-0900 Registration

SESSION 1 Introduction

0900-0930 ***Welcome and introduction to the programme***

An introduction to our hosts, Nommon, to the SESAR KTN, Engage, and the day's programme
Ricardo Herranz (Nommon), Prof Andrew Cook (University of Westminster)

0930-1000 ***A view from the outside looking in***

The background to behavioural economics and some applications beyond ATM
Benno Guenther (Salient)

1000-1030 ***The challenge of allocating scarce resources***

A comparison of methods for allocating scarce resources in air transport
Dr Lorenzo Castelli (University of Trieste)

1030-1050 ***Coffee break***

1050-1120 ***Behavioural economics – finding a place in ATM***

How this new field is being taken up in ATM, and where it might take us next
Andrew Cook

SESSION 2 Behavioural economics and the Engage PhDs

1120-1150 ***Investigation into 'irrational' airline strategies***

Exploring ground operations as crucial control elements in airline networks
Prof Hartmut Fricke (TU Dresden)

1150-1220 ***Second generation ABM for improving airport operations***
Topic and speaker TBC

1220-1330 ***Lunch***

SESSION 3 The Engage catalyst fund & industry perspectives

1330-1400 ***Exploring future UDPP concepts through computational behavioural economics***

Insights into the Engage catalyst fund project, led by Nommon, with a focus on flight prioritisation

David Mocholí (Nommon)

1400-1430 ***A view from the industry perspective***

Thoughts from a key industry stakeholder: what is the practical value that behavioural economics could be expected to deliver?

Topic and speaker TBC

1430-1500 ***Coffee break***

SESSION 4 Facilitated workshop

1500-1515 ***Introduction to the facilitated workshop***

Andrew Cook

1515-1715 ***Facilitated workshop***

Establishing new metrics for flexibility, cost-efficiency, resilience and equity; comparing the pros and cons of selected flight prioritisation mechanisms.

Provisional topic. Delegates will split into sub-groups to discuss focused elements, before returning to plenary for round-table consolidation, conclusions, and discussion of next steps.

1715-1730 ***Wrap-up, conclusions, wider next steps***

How we integrate these early behavioural economics research elements and what the wider next steps ought to be for industry in general and the integrated Engage perspective, in particular

Ricardo Herranz, Andrew Cook

Request a booking

To request a place, please visit: engagektn.com/thematic-challenges



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