

ComplexWorld

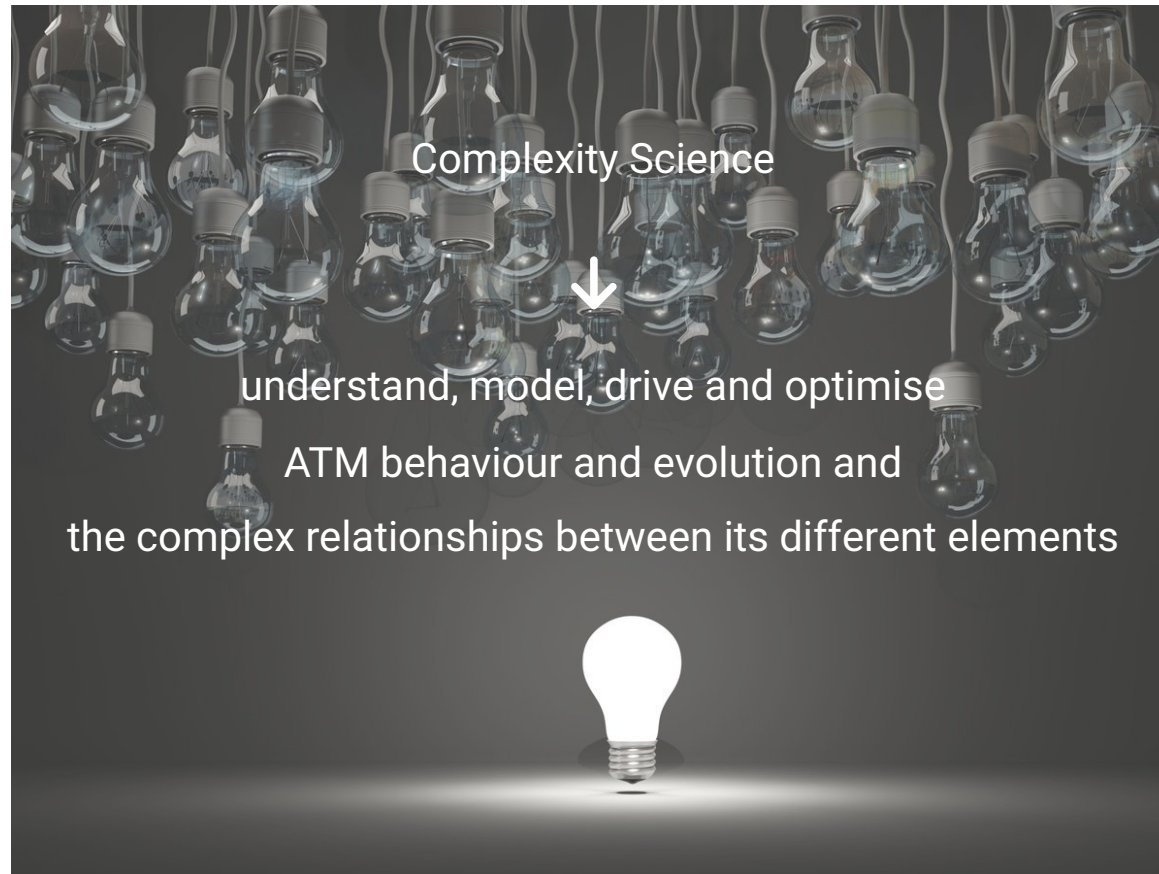
Turning ideas into actions



innovation for a complex world

The idea

The ComplexWorld network



... the actions



A look back

2011

White Paper

State of the art
Challenges
Roadmap

2012

Position Paper

Uncertainty
Emergent behaviour
Data Science
Metrics
Resilience

2013

CWWiki

40 contributors
80 pages
1800 updates
415,500 views

2014

CW Book

Complexity Science in
Air Traffic Management

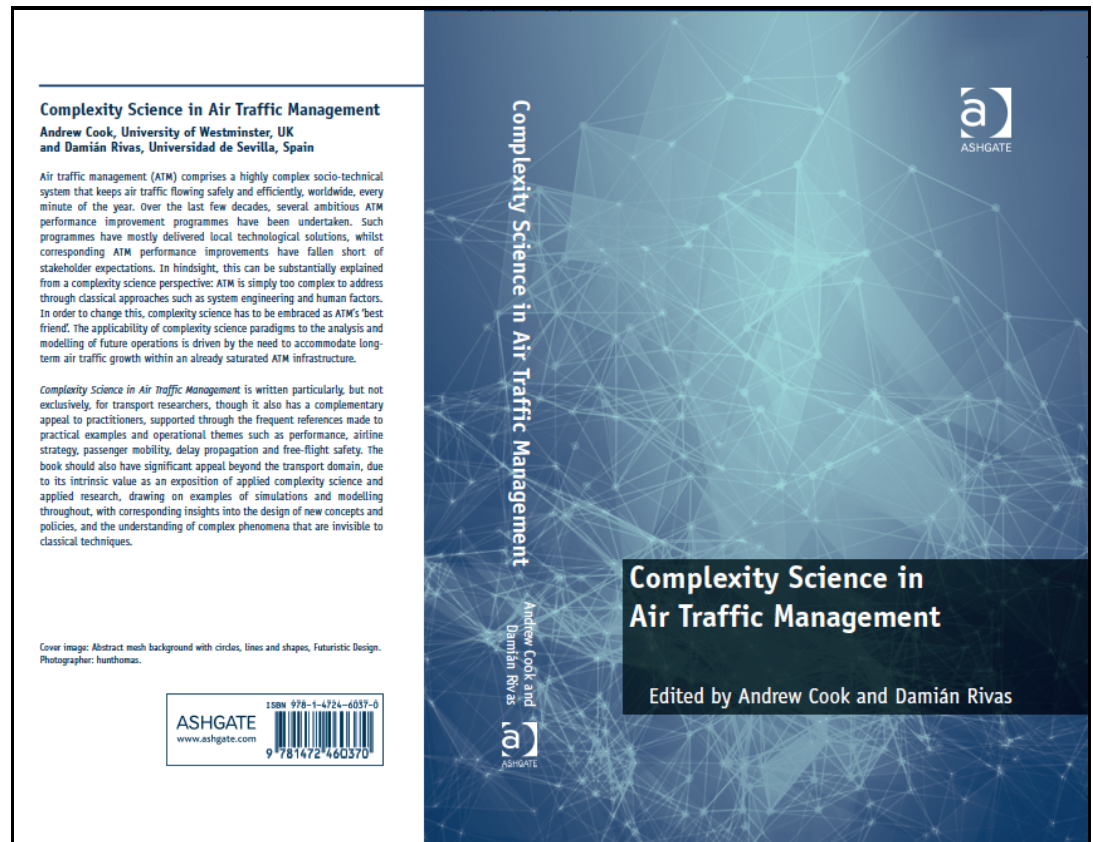
... around,

2015

Book finishing

Chapter proofs in hand

Publishing in coming months



... around,

2015

The 8 Complexity Challenges

Developing and demonstrating new metrics in ATM

Building resilience into systems design taking into account emergent behaviour

Understanding trade-offs through metrics

Data Science and managing and visualising (big) data

Integrating multi agent systems into decision support tools

Integrating uncertainty into decision-support tools

Characterization of meteorological uncertainty

Model-based identification of emergent behaviours at design stage, including comparison vs. reality

Collaboratively addressing the challenges

CW Blog

www.complexworld.eu/blog

CW Events

19 Events in 5 years

1 Launching conference

3 Tutorials

7 Workshops (2 in Data Science)

3 Seminars

5 ECCS Satellites

CWWiki

... and forward



data science

mobility

aviation

Innaxis
Innovation for a complex world

What is Complexity and Data Science Days?

This event consists of three sessions on complexity and data science for aviation. It will cover the present research status within complexity and data science, along with a discussion on applying data analytics to mobility challenges in Europe.

If you would like more information about the event please feel free to reach out to our team at:

innaxis@innaxis.org

Complexity and Data Science Days

12-13 April 2016
Brussels, Eurocontrol HQ

data science · mobility · aviation · complexity

... and forward

Next SJU Call for Networks

Complexity + Data Science

Focus on performance

High involvement of industry partners