AirTN-Nextgen
A CSA-SA project

www.airtn.eu

M. Amato (CIRA)

AirTN Nextgen	
Goal	**A platform of national representatives** acting towards the support of **joint trans-national initiatives** within the Horizon 2020 framework
Instrument	• CSA-SA • National Funding Mechanisms for Transnational Activities
Time Frame	• 36 months : start 1-12-2013 / end **30-09-2016 -> end 30/11/2016** **(Amendment under approval)**
Content	• Transnational cooperation • Research infrastructures • Education and workforce mobility • Networking and Dissemination
Core partners + Network	**Agencies/Ministries/Research Centres** from EU Member States and Associated States that are funding/managing research and innovation programmes/projects relevant to Aeronautics and Air Transport

AirTN Nexgen

Participant organisation name	Country
CIRA (coordinating)	Italy
APRE	Italy
CDTI	Spain
FFG	Austria
DLR	Germany
ONERA	France
UNIZA	Slovakia
NLR	The Netherlands
GR Aero Ltd	UK
EI	Ireland

GR Aero Ltd and EI exit the Project Contract

Historical overview of AirTN:

2006: AirTN-FP6 → funded by ERA-NET instrument within FP6.

o Create an Air Transport Network of MSs to address research and technology developments (RTD) in Aeronautics and ATM

o Create the basis for Transnational Calls

2009: AirTN FP7 → Funded by ERA-NET instrument in FP7

o To enhance MSs synergies throughout Europe for ATS

o To increase efficiency of funding the coordination of national research programmes

o To act together to form an integrated network

o **LAUNCH of transnational Calls**

December 2013: AirTN-Nextgen → Funded by CSA-SA Instrument

o Enhancing coordination and stimulating cooperation in research and innovation among EU Member States and Associated States to the EU FP.

o To check feasibility for an ERANET Cofund Proposal

WP2 - Cooperation in Research and Innovation

❖ Providing an overview of the different types of transnational cooperation actions, their focus and **the financial resources** provided by public authorities.

❖ Stimulating **practical opportunities** to develop cooperation in research and innovation, including transnational joint calls where relevant.

❖ Acting as a vehicle for stimulating **co-operation of national/regional funded research** in support of **Horizon 2020**, and specific programmes **Clean Sky**, **SESAR**, and their follow on, etc.

❖ Coordinating with **ACARE MSG**, **GARTEUR**, **ETNA plus**, BEAWARE, Clean Sky 2 NSRG

WP Leader:

Juan Francisco Reyes Sánchez (CDTI)Spain

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Synergies H2020-ESIF. Clean Sky 2

Combination of funding under H2020 and ESIF is now allowed and encouraged under H2020 (Article 31 of RfP) and the "Common Strategic Framework" of ESIF

The Founding Regulation of Clean Sky 2 JU requests to "develop close interactions with ESIF and contribute to strenghten regional R&I...":

There was an exchange of info with AirTN at the early start of the process
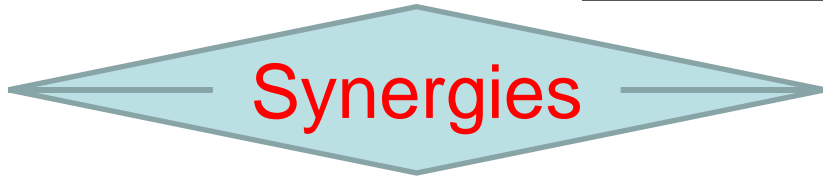
RIS3: Thematic concentration

Synergies and complementarity

Combination of funding H2020 & ESIF
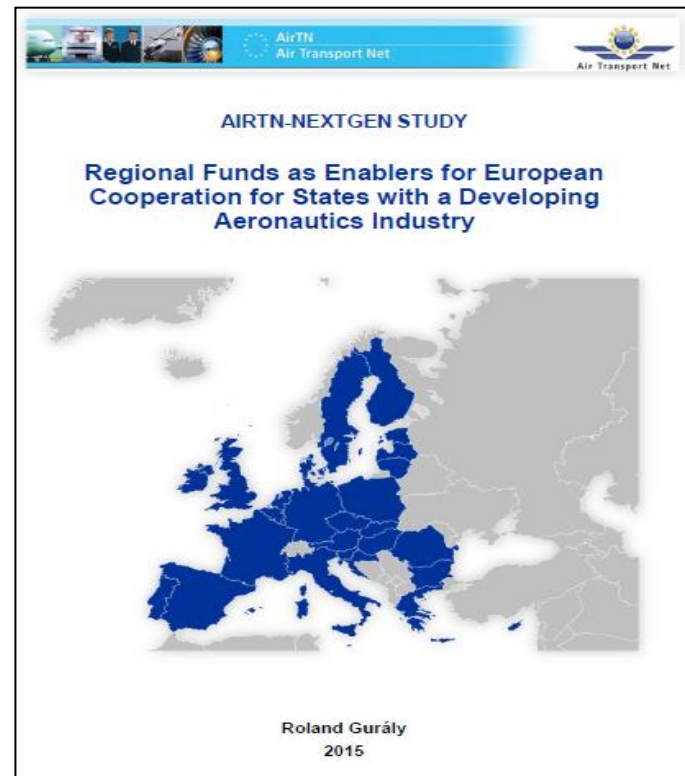
Support to the supply chain, SMEs, … from Regions

Combination of funds

RIS3: Research and Innovation Strategies for Smart Specialization

National funds

Regional funds

ESIF

Synergies

Other EU funds: ex. H2020

AIRTN-NEXTGEN STUDY

Regional Funds as Enablers for European Cooperation for States with a Developing Aeronautics Industry

Roland Gurály
2015

A study was dedicated to show how to build a better level playing field for aeronautics cooperation in Europe with the help of regional funds.

AirTN FP6 Transnational Call for Proposals

Transnational funding beetwen LuFo and Take Off

- TAKE OFF/LuFo Calls 2007 – 2015

- Joint info days

- Funding was provided for a period of 3-4 years

- 9 projects funded

- Combined overall funding budget of approx. 48 Mio EUR, shared between
  - LuFo (German Aerospace Programme)
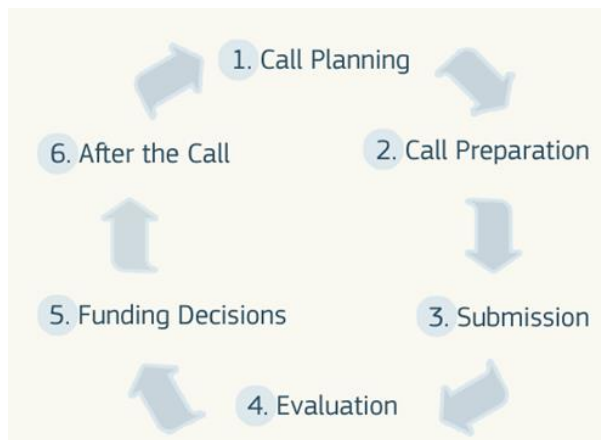 - TAKE-OFF (Austrian Aerospace Programme).

AirTN FP7 Transnational Call for Proposals

AirTN first transnational call for proposals 01/2012

o   Austria, Ireland, Spain and Sweden

o   4 proposals submitted, 2 proposals approved, 2 proposals funded

AirTN second transnational call for proposals 01/2013

o   Austria, Ireland, Spain and Sweden *(Italy was initially involved)*

o   4 proposals submitted, 2 proposals approved, 1 proposal funded

1. Call Planning
6. After the Call
2. Call Preparation
5. Funding Decisions
3. Submission
4. Evaluation

❖ **AirTN played as Call secretariat**

❖ **No transnational flows of national funding**

AirTN-Nextgen Transnational Call for Proposals

A strong effort was dedicated to set up a transnational call

o   There was a lack of commitment by the funding agencies to fund the call

o   Another problem is related to the interest of the proposers into a mechanism where there is no top-up money but only additional complexity and lower success rate.

o   The needed condition for the organisation of transnational call is a strategical interest among the involved actors.

Alternative => Eranet cofund H2020: aviation

An Analysis was performed to verify the interest for a call topic dedicated to Aviation exploiting the ERANET Cofund instrument.

* ERA-NETs based on a Coordination and Support Action (CSA) are no longer possible. Only in exceptional cases it might be considered to support the preparation and structuring of specific emerging P2Ps that demonstrate clear European added value.

WP3 - Education, Workforce & Research Infrastructure

- ❖ **Enhance transnational cooperation in the field of Research Infrastructures** dedicated to virtual testing and virtual certification.

- ❖ Update of the **catalogue of Research Infrastructure facilities**.

WP Leader: Olivier Vasseur (ONERA)
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- ❖ Provide advices to **stimulate transnational cooperation in education**.

- ❖ Propose **recommendation to improve the university courses towards industry needs.**

- ❖ Provide advices to **foster personnel mobility to access RI and whole life training**.

Task Leader: T. Kazda (UNIZA) kazda@fpedas.uniza
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WP3.1 - Research Infrastructure - Some Results

❖ **The Research Infrastructures Catalogue**, established under AirTN FP7, **has been updated** with new information.

http://www.airtn.eu/catalogues/research-facilities/index.html

❖ **The catalogue is regularly updated**

❖ The Research Infrastructure Catalogue is the first step to identify the essential capabilities in aeronautics in Europe and to provide tools to define precisely the future needs of the aerospace community.

❖ **It will the basis for the activities of the RINGO proposal if funded**

WP3.1 - Research Infrastructure - Some Results

❖ **A seminar on clusters of simulation capabilities** titled "Towards virtual certification: key challenges in the field of simulation capabilities for European research infrastructures", was held in Bonn on 25th September 2014

  The focus was virtual testing and virtual certification by clustering both SW and HW capabilities

❖ **A second workshop** was organised on 25 May 2016, Netherlands Aerospace Centre, Amsterdam, The Netherlands to

  – To identify the need and solutions to reduce extensive experimental verification
  – To identify the need and solutions to increase the level of confidence in simulation

  All the presentations are available on the AirTN Website soon

  http://www.airtn.eu/events/archive/airtn-nextgen-seminar.html

WP3.2 - Education, Workforce - Some Results

❖ **The International Conference on Air Transport INAIR 2014 was held in Prague on November 13 and 14, f**ocusing on the need of strengthening the **links between university education and industry.**

http://www.airtn.eu/downloads/inair-2013-programme.pdf

❖ **A WORKSHOP ON AVIATION EDUCATION AND TRAINING was organised on 8-9 September 2015 in Bratislava, Slovakia. Focusing on the** role of Aviation education and training establishments, and on the skills needed to stay involved in top European aviation and aerospace related research.

The event included a factory tour and B2B meetings.

WP3.2 - Education, Workforce - Some Results

❖ **Joint AirTN NextGen Educational Workshop / WG 5 Workshop** 23rd September 2015
http://www.airtn.eu/events/archive/workshop-23-september-2015.html

WORKSHOP ON EDUCATION AND TRAINING NEEDS FOR AVIATION
ENGINEERS AND RESEARCHERS IN EUROPE; SEPTEMBER 23, 2015; Brussels

**Air Transport and Aerospace Education - Synergies and
Differences**
Antonín KAZDA, Air Transport Department, University of Žilina

*Motto: It is possible to fly without motors, but not without knowledge and skill
Wilbur Wright letter to Octave Chanute (13 May 1900)*

❖ **The International Conference on Air Transport INAIR 2015 was a organised**

Hogeschool van Amsterdam
Amsterdam University of Applied Sciences

http://www.inair.uniza.sk

University of Žilina
Air Transport Department

INAIR 2015 Conference
AMSTERDAM, NOVEMBER 12th & 13th, 2015

CREATING TOMORROW

WP3.2 - Education, Workforce - Some Results

❖ **The International Conference on Air Transport INAIR 2016 was announced 10-11 November 2016** *http://www.inair.uniza.sk*

INAIR

5th International Confere

Registration

Registration is now opened at the conference website.

Call for papers

Abstract submission deadline: 12 September 2016

Notification of acceptance: 19 September 2016

Paper submission deadline: 26 September 2016

Conference fees

Early bird: 250 EUR (until 31 Aug. 2016)

Air T
Innov
fast g

- How to innovate air transport in order to be able to increase capacity, sustainability and reliability while maintaining the high level of standards for safety and security?

- What are best practices in the industry?

- Do we need to open the borders between airports, airlines and ANSPs?

- What can we learn from other transport modes?

- Will technological innovation alone be sufficient to solve the challenges ahead?

- What are the best routes to implement new systems and procedures, knowing that we cannot change our current way of operating overnight?

WP4 - Networking and Dissemination

❖ Maintain and extend the **AirTN NextGen Network**, strengthening and widening the network established under previous ERA-NET schemes

❖ **Maintaining an active exchange of information** and acting as linkage to avoid duplication of effort between different networks and institutions in the EU Member States and Associated Countries.

❖ Creating **means of communication** to support transnational and international cooperation

❖ Communication of achieved **results outside of the consortium** and AirTN NextGen Network

> *Networking – WP Leader:* Vera Eichberger (FFG)
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> *Web Master:* Johan Kos (NLR)
> johan.kos@nlr.nl

WP4 - Networking and Dissemination – Some Results

Website

Contact: Johan Kos (NLR)
johan.kos@nlr.nl

❖ To be informed about the project :

- **Website** (www.airtn.eu)

❖ To get updates sign up the **Newsletter** :

- (www.airtn.eu/newsletters/newsletter20140305.html)

- To subscribe: (www.airtn.eu/lists/?p=subscribe&id=1)

WP4 - Networking and Dissemination – Some Results

❖ **The first AirTN-Nextgen Network Meeting, organized in Brussels on the 27th October 2014,** gave an overview of the project goals and results achieved so far. Win-win situations, barriers and solutions for improved transnational cooperation in research, technological developments and innovation have been discussed.

http://www.airtn.eu/events/archive/1st-airtn-network-meeting.html

❖ **AirTN-Nextgen did regularly report about activities and actions to ACARE-MSG.**

❖ **AirTN-Nextgen gave a speech at the BEWARE workshop on 30 March 2015** in Rome

❖ **The second AirTN-Nextgen Network Meeting, was organised in Vienna on 30th June 2015** http://www.airtn.eu/events/archive/2nd-airtn-nextgen-meeting.html

ACARE

SEVENTH FRAMEWORK PROGRAMME

Air Transport Net

2nd AirTN NextGen Network Meeting
ACARE MSG/AirTN NG joint workshop on aviation transnational cooperation

June 30 2015

OEFSE, Sensengasse 3, 1090 Vienna

DRAFT Agenda-V2.0

Prepared by
V. Eichberger (FFG), Juan Francisco Reyes (CDTI), Marcello Amato (CIRA)

The workshop was jointly organised with the ACARE Member States Representative Group

WP4 - Networking and Dissemination – Some Results

AirTN participated with

o A booth

o Dissemination material

o A presentation in the MS Sessions

AirTN NextGen booth

WP4 - Networking and Dissemination

The final AirTN Nextgen Network Meeting -11 October in Bratislava, Slovakia

❖ The objective of the meeting is to give an overview of the project results and to discuss on future cooperation possibilities.

❖ The meeting target participants are representatives from: Member States & Associated Countries, Transport and Education (or other relevant) Ministries, funding Agencies, ACARE National mirror groups, Regional Government, and Clusters in the field of aviation (e.g. aeronautics and air transport - AAT).

AirTN What Next ?

DISCUSSION
ON
FUTURE COOPERATION POSSIBILITIES

AirTN What Next ?

Transnational cooperation

❖ Is ERANET Cofund really the right instrument ?

❖ Use of ESIF funds for Transnational Cooperation in combination with CS2, SESAR 2020 and Collaborative Research ?

❖ Keep alive the AirTN Network creating a kind of association ?

- Small fee for direct costs?

- Workshops fee for networking and collecting a minimum amount of money for the direct costs ?

AirTN What Next ?

Research infrastructures

❖ Keep updated the RI catalogue considering the interest of all the involved actors ?

❖ If RINGO is funded the catalogue will be exploited; otherwise prepare new opportunities

❖ Further develop discussions on Virtual Certification ?

AirTN What Next ?

Education and workforce mobility

❖ There is a strong need to work on

- improving/updating the education paths

- creating opportunities of exchange of students researchers

- attract young people to Aviation jobs

Create a dedicated Education Platform to achieve this ?

Within AirTN Network or in a dedicated Network ?

Cooperation with Pegasus ?

Networking and Dissemination

❖ Keep alive the AIrTN website with information of common interest (how to make sustainable the activity ?)

THANK YOU

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