



## E-01.01- D33.4 – Championing projects and PhDs: wiki report 2

### Document information

Project Title	ComplexWorld
Project Number	E-01.01
Project Manager	The Innaxis Foundation and Research Institute
Deliverable Name	Championing projects and PhDs: wiki report 2
Deliverable ID	D33.4
Edition	00.00.02
Template Version	03.00.00

### Task contributors

The INNAXIS Foundation and Research Institute, University of Seville

### **Abstract**

This report summarizes the different contributions to the ComplexWorld Wiki and the actions performed to foster the collaboration in it during the period July 2013 to November 2013. The key figures are provided to understand the impact achieved in terms of visibility and participation.

## Authoring & Approval

Prepared By - <i>Authors of the document.</i>		
Name & Company	Position & Title	Date
XXXXXXXXXXXXXXXXXX	Consortium Member / Communication Manager	14/12/2013
XXXXXXXXXXXXXXXXXX	Scientific Coordinator	14/12/2013
XXXXXXXXXXXXXXXXXX	Consortium Member	14/12/2013

Reviewed By - <i>Reviewers internal to the project.</i>		
Name & Company	Position & Title	Date
XXXXXXXXXXXXXXXXXX/Innaxis	Consortium Coordinator	14/12/2013

Reviewed By - <i>Other SESAR projects, Airspace Users, staff association, military, Industrial Support, other organisations.</i>		
Name & Company	Position & Title	Date
<Name / Company>	<Position / Title>	<DD/MM/YYYY>

Approved for submission to the SJU By - <i>Representatives of the company involved in the project.</i>		
Name & Company	Position & Title	Date
XXXXXXXXXXXXXXXXXX/Innaxis	Consortium Coordinator	14/12/2013

Rejected By - <i>Representatives of the company involved in the project.</i>		
Name & Company	Position & Title	Date
<Name / Company>	<Position / Title>	<DD/MM/YYYY>

Rational for rejection
None.

## Document History

Edition	Date	Status	Author	Justification
00.00.01	14/12/2013	Submitted	Innaxis / UoS	New Document
00.00.02	18/12/2013	Submitted	Innaxis / UoS	Revised Document with ECTL comments

## Intellectual Property Rights (foreground)

SJU foreground.

## Table of Contents

<b>EXECUTIVE SUMMARY .....</b>	<b>5</b>
<b>1 INTRODUCTION .....</b>	<b>6</b>
1.1 PURPOSE OF THE DOCUMENT .....	6
1.2 INTENDED READERSHIP .....	6
1.3 INPUTS FROM OTHER PROJECTS .....	6
1.4 GLOSSARY OF TERMS .....	6
<b>2 WIKI RESULTS .....</b>	<b>7</b>
2.1 CONTRIBUTION SCORES .....	7
2.2 WIKI VISITS (TRAFFIC) .....	8
2.3 TRAFFIC SOURCES .....	8
<b>3 PROMOTIONAL AND MARKETING ACTIVITIES .....</b>	<b>10</b>
<b>4 CONTRIBUTION FROM PROJECTS AND PHDS .....</b>	<b>13</b>
<b>5 OUTPUT FROM WORKSHOPS .....</b>	<b>15</b>
5.1 CONTEXT .....	15
5.2 WORKSHOPS OUTCOME TO UPDATE THE CWW .....	15
5.2.1 <i>Workshop 1</i> .....	15
5.2.2 <i>Workshop 2</i> .....	16
5.2.3 <i>Workshop 3</i> .....	16
5.2.4 <i>Workshop 4</i> .....	17
5.2.5 <i>Workshop 5</i> .....	18
<b>6 CONCLUSION .....</b>	<b>19</b>

## List of figures

Figure 1 Monthly visits to the CWW 2013.04.01 - 2013.11.30 .....	8
--	---

## Executive summary

This report provides figures reflecting the level of visibility and collaboration achieved with the ComplexWorld Wiki (CWW) since its launch in April this year. The first report covered figures from the initial months of the project; April to June, 2013. Data such as the number, average time and source of the visit are recorded and provided in this report from the project's inception to the current date. Additionally, a scoring system to analyze the contributions made to the CWW is explained and the results are collected in this deliverable.

To achieve these results, a number of promotional and marketing activities have been developed and are listed in the report. These initiatives aim to achieve visibility for the ComplexWorld Network as well as to increase the level of participation from different stakeholders, especially WP\_E projects and PhDs. In this line, several workshops have been planned with a two-fold intention:

- Building awareness for the CWW among the relevant community convincing experts about the added value of this tool to increase the impact of their research results
- Updating and validating the existing CWW content enhancing the network of contributors.

As a result of the workshops, the CWW has been updated with the workshops outcome, which served to complement and validate the existing content.

# 1 Introduction

## 1.1 Purpose of the document

The objective of this report is to analyze the activity of the ComplexWorld Wiki (CWW, <http://wiki.complexworld.eu>) in this reporting period, since July, 2013 until November, 2013, highlighting the most relevant figures related to visits to the wiki, contributions from different stakeholders, and promotion activities.

The aim is to understand the current actual impact of this initiative in order to plan the required future activities to foster the participation on it.

## 1.2 Intended readership

The target reader is any stakeholder in the ComplexWorld Network, interested in learning about the most recent activities within the ComplexWorld Wiki.

## 1.3 Inputs from other projects

Any project representative willing to include information about the project on the ComplexWorld Wiki is welcome to do so. The ComplexWorld Wiki is an open platform which aims to be a reference on its field of research, including a repository of related projects.

## 1.4 Glossary of terms and acronyms

**Wiki:** In simple terms a wiki is perhaps best described as a Web site that can be easily edited by anyone straight in the web browser without need for any additional software. From Wikipedia: "A wiki is a website which allows its users to add, modify, or delete its content via a web browser usually using a simplified mark-up language or a rich-text editor."

A wiki seeks to involve the visitor in an ongoing process of creation and collaboration that constantly changes the web site's landscape

**Bounce rate** is an index used in marketing online campaigns which represents the percentage of visitors that enter into a website and leave it in a very short period of time

**CW:** ComplexWorld

**CWW:** ComplexWorld Wiki

## 2 Wiki Results

### 2.1 Contribution Scores

Below are the results of the wiki's contributions scores tool. Scores are calculated as follows:

- One (1) point for each unique page edited
- Square root of  $[(\text{total edits made})^2 - (\text{total unique pages})^2]$

Scores calculated in this manner weight edit diversity over edit volume. Basically, this score measures primarily unique pages edited, with consideration for high edit volume - assumed to be a higher quality page.

Héctor Ureta and Rafael Vazquez were responsible for uploading the initial position paper content, provide editorial overview and actively maintain the quality of the wiki.

Score	Pages	Changes	Username	Actual Name and Organisation
45	30	85	<a href="#">HUinx</a>	Héctor Ureta, Innaxis
37	18	113	<a href="#">Rvazquez</a>	Rafael Vazquez, Universidad de Sevilla
36	14	136	<a href="#">Gluchshenko</a>	Olga Gluchshenko, DLR
19	14	20	<a href="#">Sybert</a>	Sybert H.Stroeve, NLR
13	3	26	<a href="#">Gerald.gurtner</a>	Gerald Gurtner, Scuola Normale for the ELSA
12	8	13	<a href="#">Paulalopez</a>	Paula López, Innaxis
11	4	18	<a href="#">Pablofleurquin</a>	Pablo Fleurquin, IFISC
9	2	15	<a href="#">Cookaj</a>	Andrew Cook, University of Westminster
9	1	16	<a href="#">Nataliya</a>	Nataliya Mogles, VU University
7	2	9	<a href="#">University of hannover</a>	Manuela Sauer, Leibniz Universitaet Hannover
7	1	10	<a href="#">AndreasHeidt</a>	Andreas Heidt, FAU
6	2	7	<a href="#">Fabio Lamanna</a>	Fabio Lamanna, freelance Transportation Engineer

5	1	6	<a href="#">Ablanch</a>	Alberto Blanch, Innaxis
---	---	---	-------------------------	-------------------------

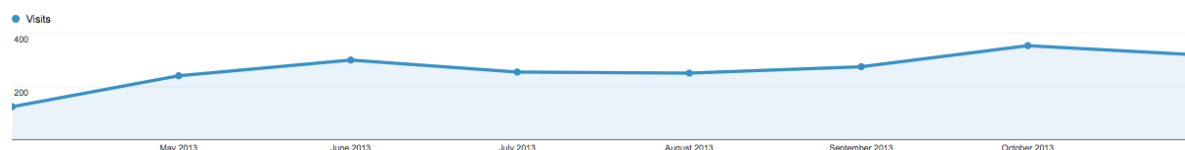
## 2.2 Wiki visits (traffic)

The CWW implementation process was finalised during the month of March, completing the uploading of the Position Paper and achieving a fully operational platform. Consequently, the reporting period considered for the scope of this report begins on **April 1 2013** and runs to the end of the last complete calendar month, **November 30, 2013**.

**Table 1 Visits and Unique Visitors per month to the ComplexWorld Wiki**

Month	Visits	Unique visitors
April	124	48
May	240	93
June	299	189
July	254	115
August	250	139
September	274	161
October	353	171
November	318	221
<b>Total</b>	<b>2112</b>	<b>1137</b>

The figure below (Figure 1) represents the total monthly visits data and demonstrates the generally upward, though modest, trend in traffic. The upward trend has mostly been driven by campaigns promoting workshops and the wiki as a repository of research around the workshop topics. This peaked slightly in October with promotion of the Data Science Workshop, which was held on October 15.



**Figure 1 Monthly visits to the CWW 2013.04.01 - 2013.11.30**

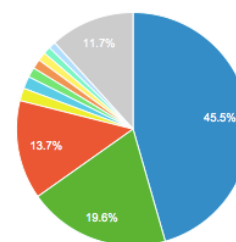
## 2.3 Traffic sources

The following table and pie chart show the ‘upstream’ sites that have directed traffic to the ComplexWorld wiki.

**Table 2 Traffic Sources for the CWW Wiki April 1 to Nov 30, 2013**



	2,112 % of Total: 100.00% (2,112)	2,112 % of Total: 100.00% (2,112)
1.  google / organic	962	45.55%
2.  (direct) / (none)	415	19.65%
3.  linkedin.com / referral	290	13.73%
4.  innaxis.org / referral	37	1.75%
5.  Communication to PhD students 3 / email	36	1.70%
6.  complexworld.eu / referral	29	1.37%
7.  CW 'Complexity and ATM' Workshop 1, 2013 / email	28	1.33%
8.  eccs13.eu / referral	25	1.18%
9.  CW Wiki Announcement to PhD Students V2 / email	21	0.99%
10.  survey.constantcontact.com / referral	21	0.99%



Most of the traffic comes from search engines, followed by referrals from posts on LinkedIn and the Innaxis website. The ComplexWorld site also drove visits to the wiki, as did email campaigns in which a link to the wiki was provided.

The traffic brought to the site via links in marketing emails from the CW Network can be seen in the table below. However, this does not include the direct emails from Damien Rivas and Rafael Vazquez listed in the summary of marketing actions in the next section.

**Table 3 Traffic to the wiki from email campaigns**

Campaign	Visits 213 % of Total: 10.09% (2,112)	Visits 213 % of Total: 10.09% (2,112)	Contribution to total: Visits
1.  Position Paper Jun 2012 and ECCS Call for Papers extension	36	16.90%	
2.  Wiki Announcementment to PhD students	34	15.96%	
3.  Workshop 1	28	13.15%	
4.  Workshop 2, 2013	18	8.45%	
5.  Last day registration - DS wshop	17	7.98%	
6.  Closing soon CW Seminar at ISIATM/ATOS 2013	15	7.04%	
7.  2nd Tutorials Session	14	6.57%	
8.  Workshop 4, 2013, Comm 2	12	5.63%	
9.  May 13 CW Seminar at ISIATM Email	11	5.16%	
10.  2nd Tutorials Sess to ATOS attendees	7	3.29%	

### 3 Promotional and Marketing activities

In the first few months after the launch of the CWW, the main objective was to create awareness of the wiki amongst the relevant community. Since then, communication was more focused and direct, aiming for engagement and contribution from the community.

The following table summarizes all communications actions relating to the wiki, including the actions included in the previous report and, from 11, the new actions since that last report.

No.	Date	Medium	Description	Contact Points	Results
1	2013.06.10	LinkedIn	'Posts' on targeted LinkedIn group pages promoting the CW Wiki	These groups: Aviation and Aerospace Professionals; SESAR WP-E ComplexWorld; Air Traffic Complexity; Air Traffic Management; Resilience Engineering; Complexity Science	106 clicks
2	2013.06.11	Twitter	Tweet to 30 targeted followers.		Clicks captured with LinkedIn results
3	2013.03.20	Email	Announcing the CW wiki to PhD students and supervisors	PhD Students AND PhD Supervisors	Mailing list: 18 Opens: 10 Clicks: 7
4	2013.04.10	Email	Wiki announcement to all WP-E contacts	WP-E Projects POCs	Mailing list:18 Open: 7 Clicks:2
5	2013.04.10	Email	Wiki - Contributions Required - 3rd call to PhD students	PhDs_CW; PhD_CW_Supervisors;	Mailing list:25 Opens: 14 (56%) Clicks: 6 (42.9%)
6	2013.06.11	Email	Wiki Launch to Public	General Interest; Participants - ComplexWorld; PhDs_CW; WP-E Projects POCs; ComplexWorld Conference Attendees; ComplexWorld Extended Contacts; CW Members; ComplexWorld Network Website SubscribersPhD_CW_Supervisors	Mailing list: 250 Opens: 66 (32.8%) Clicks: 5 (7.6%)

7	2013.07.15	Email	Direct emails from Damian Rivas to prepare the workshop based on the existing CWW content on the Uncertainty thread	Targeted projects (ONBOARD, POEM, UTOPIA, TESA and STREAM) and PhDs (Andreas Heidt -FAU-, Manuela Sauer -UoH-, Alexander Schwithal -TU Braunschweig-, Enrique Casado -Boeing R&TE and Glasgow University- and Thomas Kunze -TU Dresden-, along with their supervisors) and other interested attendees	
8	2013.07.05	Email	Direct emails from Damian Rivas in follow up to the Uncertainty in ATM workshop notifying attendees that the wiki had been updated with workshop material/outcomes	Workshop 1 Attendees	7 emails
9	2013.07.09	Event	CW Papers Session at ATOS-ISIATM	15 attendees	
10		LinkedIn Discuss.	The Innaxis team has closely monitored discussions on LinkedIn and added to discussion threads with direct or indirect promotion of the wiki on several different, but always contextual, occasions.		
	New since last report:				
11.	2013.09.03	Email	Call for Contributions: PhD students and supervisors	WP-E Projects POCs	Dbase: 11 Opens:2 Clicks:0
12	2013.10.16	Email	Call for specific contributions (direct email from Damien Rivas)	Attendees of the 'Resilience and Robustness in ATM' workshop	Dbase: 18 Opens and clicks not tracked

13.	2013.10.16	Email	Call for specific contributions (direct email from Rafael Vazquez)	Attendees of the 'Uncertainty in ATM' workshop	Dbase: 18 Opens and clicks not tracked
12.	2013.11.25	Email Survey	Data Science in Aviation Workshop – link to workshop slides provided on Wiki	All DS in Aviation Workshop attendees.	

## 4 Contribution from projects and PhDs

WP\_E projects and PhDs, and specially those thematically related to ComplexWorld, are expected to contribute to the CWW in two ways:

1. Providing new content to the wiki as a result of their research activities, enhancing the currently open chapters
2. Uploading relevant information on their projects and PhD thesis

This content is expected to be interlinked with other available results of the CWW developing a common framework of knowledge.

To facilitate the task of providing information on the WP\_E projects and PhDs, the ComplexWorld network initially created the pages in the wiki with a brief summary of each project and PhD thesis based on the SJU webpage information which was expected to be complemented and updated by the different representatives. The tables below gather together the current status of the CWW in terms of the expected contribution related to the projects and PhDs information.

Project	Current status	Input required
CASSIOPEIA	Information completed	-
ASHICS	Some documentation provided	Completion
COMPASS	Brief summary by CW	Full information required
ELSA	Brief summary by CW	Full information required
NEWO	Brief summary by CW	Full information required
ONBOARD	Brief summary by CW	Full information required
POEM	Information completed	-
MAREA	Information completed	-
EMERGIA	Brief summary by CW	Full information required

PhD student	Institution	Current status	Input required
Manuela Sauer	University of Hannover (UoH)	Updated	Final results when available

Soufiane Bouarfa	Delft University of Technology (TUD)	Empty	Full information required
Andreas Heidt	Friedrich Alexander University Erlangen-Nuremberg (FAU)	Updated	Final results when available
Pablo Fleurquin	IFISC, Universitat de les Illes Balears (UIB) - CSIC	Updated	Final results when available
Nataliya Mogles	Vrije Universiteit Amsterdam (VUA)	Updated	Final results when available
Bernardo Monechi	Sapienza University of Rome (SUoR)	Empty	Full information required
David Estebanez	Universidad Politécnica de Madrid (UPM)	Empty	PhD cancelled

Although the level of contribution and engagement of those who updated the CWW is very satisfactory in terms of completeness and quality of their input, there are still some representatives who have not modified the initial content uploaded by the network. As reflected in the tables above, a higher level of commitment is needed from some of the projects and PhDs in order to collaboratively develop a common repository of updated information on the different WP\_E results related to complexity in ATM. Additionally, it is important to insert the appropriate links among the different results of the network activities so as to highlight the interrelation among them.

## 5 Output from workshops

### 5.1 Context

This year the ComplexWorld network has organized a number of thematic workshops on topics related to the Position Paper and, therefore, the CWW. In addition to strengthening the cohesion of the network and helping to expand it, these workshops aim at validating and complementing the current content of the CWW creating a common framework of knowledge for the different ComplexWorld activities (including projects and PhDs). These workshops have been distributed along the year and have been organized by several members of the network according to their field of expertise, in particular:

- Workshop 1 on Uncertainty in ATM, Naples, 27<sup>th</sup> of May, 2013 (UoS)
- Workshop 2 on Resilience and Robustness in ATM, Toulouse, 10<sup>th</sup> of July, 2013 (DLR)
- Workshop 3 on Air Transport Networks, Barcelona, 20<sup>th</sup> of September, 2013 (UoS)
- Workshop 4 on Complex Metrics, Stockholm, 28<sup>th</sup> of November, 2013 (DLR)
- Workshop 5 on DataScience in Aviation, Madrid, 15<sup>th</sup> of October, 2013 (INX)

This report includes the outputs from Workshops 1 to 5 (the output from Workshop 1 was already included in the first report but is left here for completeness).

### 5.2 Workshops outcome to update the CWW

#### 5.2.1 Workshop 1 “Uncertainty in ATM”

Workshop 1 discussion agenda was organized around a questionnaire which was delivered in advance to the celebration of the workshop to the expected participants to ease the collection of inputs from both who attend and who could not attend the event. This questionnaire also served to set up the basis of the workshop discussion.

As a result of the Workshop 1 on Uncertainty celebrated in Naples during the month of May, the workshop organizers (UoS) identified a list of required modifications that need to be done to complement or update the current content. The list of outcomes was collected in the report of the meeting and distributed to the attendees together with the list of expected contributors. These outcomes and related contributors are shown in the following list:

1. Changes in the definitions and in the scales: introduce additional concepts (Olga Gluchshenko)
2. Changes in the classification of sources of uncertainty: add new material (Andreas Heidt)
3. Add a new research line “Weather-related uncertainty” (Manuela Sauer).
4. Changes in the research line “Airborne trajectory uncertainty”: add new material (Alexander Schwithal, Enrique Casado).
5. Changes in the research line “Flight uncertainty”: add new material (Thomas Kunze).
6. Changes in the research line “Traffic uncertainty” and “Network uncertainty”: add comments (Andrew Cook, Harmut Fricke).
7. Changes in the case study “Stochastic DSTs”: add new material (Enrique Casado).

In this case, UoS implemented these seven (7) changes in the corresponding pages of the CWW and send an email to each of the seven (7) related contributors inviting them to review the changes and to expand the content. However none of the contributors did modify the content that was included in their behalf. Given this outcome, it was recognized that the following workshops required a more active role from the attendees to collaboratively implement the required changes.

## 5.2.2 Workshop 2 “Resilience and Robustness in ATM”

As in Workshop 1, a discussion agenda was organized around a questionnaire which was delivered in advance to the celebration of the workshop to the expected participants to ease the collection of inputs from both who attended and who could not attend the event.

The workshop allowed an active exchange of experience and knowledge and provided a number of proposed changes and additions for the section “Resilience in air transport” of the CWW. The main proposed change in the section was its restructuring and division into two main parts accordingly to the existing types of resilience definition in the air transportation context:

I. The first part explains the term resilience, its definition, its measures and approaches to model the considered systems and to investigate resilience from the “resilience engineering” or from the safety management perspective and gives insights into the relation of the terms resilience and robustness.

II. The second part considers all these aspects from the “engineering resilience” or from the performance perspective and distinguishes between the terms resilience and robustness.

Based on the already received input of the participants, DLR prepared the proposed structure of the section “Resilience in air transport” of the CWW. Later, workshop participants were invited to review the changes and to complete the contents, as follows:

CWW changes	Invited to review & complete
Part I – subsection “ <i>resilience engineering</i> ”	Henk Blom, Eduardo Filippone, Martina Ragosta, Marcus Arenius, Alberto Pasquini, Simone Pozzi, Giuseppe Frau
Part II – subsection “ <i>engineering resilience</i> ”	Andrew Cook, Héctor Ureta, Andreas Heidt
The whole section – introduction and parts I&II	All participants of the workshop.

However, up to now, only DLR has contributed to the content.

## 5.2.3 Workshop 3 “Air Transport Network: An Integrated View”

Workshop 3 had a different structure from the previous two workshops and consisted on a collection of talks given by different researchers working in Air Transport Networks. To integrate the output of the workshop in the CWW several options were presented and discussed at the end of the workshop.

- ***Inserting the presented topics into existing articles.***

This option presented the advantage of not needing to modify the structure of the CWW. However it would require that the contributors know exactly where they should insert their inputs. Additionally, not all the topics are related to already existing articles in the CWW. A list of suggestions for the possible location in the CWW for each of topic was discussed. These suggestions are summarized in the following table.

Topic	CWW article
Phase transitions in network models	Emergent behaviour



Multi-scale analysis of traffic networks	Complex data analysis
Micro-model framework for an integrated ATM model	A relevant article was not identified
Transport intermodality	This topic is unrelated to what is already in the wiki
Delay propagation in the airport network	Uncertainty in ATM (Network uncertainty)
Study of delay using complex networks	Non-classical complex metrics or Complex data analysis

- **Creating a new article in the CWW: Complex ATM Networks.**

This option had some clear advantages:

- Network theory is one of the core tools of complexity science.
- There is already a section on networks in the article Complexity Concepts in ATM.
- As proven by the workshop itself, there is already a number of researches using complex networks to analyze the ATM system.

However this possibility was not very well received by the workshop participants. It was argued that a new article was not necessary since many of the other CWW articles were already using networks. Also it would be difficult to start the article.

- **Creating a mini-article in the CWW for each topic.**

This option was suggested by the workshop participants themselves. It has the advantage that each speaker can easily create and maintain an article for the topic he or she presented. However it would require heavy linking with the main articles of the CWW.

Eventually none of these options were selected after internal discussions of the ComplexWorld members. A fourth alternative was found:

- **Inserting a new section "Recent Developments" in each of the five articles of the CWW (Uncertainty, Emergent Behaviour, Complex Data Analysis, Metrics, and Resilience).**

This section was created so that any workshop participant (or anyone working in related topics) could add a subsection with related contributions in the field. The idea was to separate new content from the previous CWW content so that contributors do not have the pressure of having to modify what has been written before. Also this seemed a friendly way of encouraging the addition of new contributions.

The new section was inserted and we obtained several contributions from workshop participants.

## 5.2.4 Workshop 4 “Complex Metrics”

The structure of this workshop was formed by three thematic blocks. The first block gave an overview of the current contents of the CWW with respect to Complex Metrics. The second block consisted of two presentations and the third one was a discussion and fixing future steps to get an improved CWW. The organizers will include content from the workshop in the CWW, however, since the workshop 4 had place at the end of November, this update is not reflected in this report. The following action items were defined at the workshop.

Action Item	Who	When
Send an email to invite participants and interested people to update CWW on Complex metrics in the last section	Paula, INX	Asap
Integrate Metrics and statements of presentation into CWW	Stephan Lehner	Asap
Describe further metrics of POEM presentation and CASSOPEIA project into CWW	Samuel	Asap
Contact Deep Blue (Simone Pozzi) for CWW update concerning cascading of TCAS messages	Hartmut	Asap (Done 3/12/13)
Consolidation of the CWW inputs	Paula / INX	Feb. 14

### 5.2.5 Workshop 5 “Data Science in Aviation”

The topic of this workshop was completely new for the ComplexWorld network, it is the only one not linked to the original Position Paper chapters and, therefore, which did not have previous content on the CWW to be complemented or updated. The intention of this workshop was to open the debate on this innovative theme bringing together experts from the aviation and the data science field facilitating the exchange of knowledge and experiences among the two areas. For this reason, this workshop did not aim at updating the wiki but at collecting inputs to initiate the research on this promising theme applied to the aviation industry.

The presentations made during the event serve as valuable material and, therefore, have been made available through the CWW in a dedicated page on “Data Science Workshop”. From that moment, the CWW is open to anyone willing to contribute with new inputs to this topic, although it is still, by the moment, an emerging field which needs further research to provide its first results.

## 6 Conclusion

After the first three months of activity, the ComplexWorld Wiki had more than 600 visits coming from nearly 300 different visitors. After five more months, these numbers have increased to about 2100 visits and 1100 unique visitors. To achieve these results, continuing the marketing campaign initiated when the Wiki was launched has been key, including email announcements, LinkedIn and twitter posts. The activity of the ComplexWorld workshops has also been crucial in increasing the wiki activity and in obtaining some new contributions from outside the ComplexWorld Network.

Also, a mechanism that facilitates the inclusion of new content (namely, the addition of a "Recent Developments" section) has been implemented. This allows the inclusion of new content without having to modify previous content or creating new articles, thus encouraging the addition of new contributions.

Finally, the inclusion of documents (presentations or papers) has to be discouraged as it does not follow the spirit of a wiki (does not allow direct discussion), unless it comes as an attachment that complements wiki content. If this is not enforced there is a risk that the wiki ends up being a mere repository of static content.

The ComplexWorld Wiki has demonstrated to be a very useful and successful platform both to further develop initial content so as to open new fields of research, such as Data Science or interlinking existing content with available results produce under the WP\_E activities and beyond. It is the intention of the network to continue fostering this tool and promoting its usage with the aim of becoming an autonomous vehicle to enable the flow of knowledge.

- End of Document-