



## E-01.01- D43.2 – Wiki development: Final report

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### **Abstract**

This report summarizes the different contributions to the ComplexWorld Wiki and the actions performed to foster the collaboration during the July 2014 to December 2014 period. The key figures and developments of the wiki during this period are included to understand the impact achieved based on terms of visibility and participation.

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## Intellectual Property Rights (foreground)

SJU foreground.

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## Executive summary

This report provides the figures reflecting the level of activity, visibility and collaboration achieved with the ComplexWorld Wiki (CWW) during the reporting period (July-December 2014).

Information is provided on different topics:

- Wiki changes
- Wiki visits (traffic) during specified period
- Traffic trends from wiki inception
- Traffic sources
- Wiki contributions
- Conclusion

## 1 Introduction

### 1.1 Purpose of the document

The objective of this report is to analyse the activity of the ComplexWorld Wiki (CWW, <http://wiki.complexworld.eu>) during this reporting period; July 2014 until December 2014, highlighting the most relevant figures related to visits to the wiki, contributions from different stakeholders, as well as promotion activities.

The aim is to understand the present actual impact of this initiative in order to plan the required future activities to efficiently promote the wiki.

### 1.2 Intended readership

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

### 1.3 Inputs from other projects

Any representative from outside projects who would like to include information about another project on the ComplexWorld Wiki is welcome to do so. The ComplexWorld Wiki is an open platform that aims to be a reference on this field of research, including a repository of related projects.

### 1.4 Glossary of terms and acronyms

**Wiki:** In simple terms a wiki is 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 usually has a short learning curve and provides multiple individuals a platform for collaboration.

A wiki seeks to involve the visitor in an on-going 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. Wiki changes during the period

Within the results of the wiki contributions in Y4, consideration has been given to change the approach from Y3, and differentiate edits made by the wiki management board (Hector Ureta, Rafael Vazquez and Elaine Kubik) and the rest of the wiki users. The reason is that management edits are not usually focused on solely new content, and many times edits are instead format related issues.

The total number of **Management board edits** from 1<sup>st</sup> July 2014 to 7<sup>th</sup> January 2015 has been the following:

**Table 1 Updates by ComplexWorld Wiki administrators**

Changes	Username	Actual Name and Organisation
9	HUinx	Héctor Ureta, Innaxis
13	Rvazquez	Rafael Vazquez, University of Seville
37	WikiSysop	Several, Innaxis

The wiki system identifies and counts as a change each one of the following actions: different versions of a page, categorisations of a page, addition of new attached files or links, creation of new pages and/or categories, and finally altering references on pages.

Considering the whole life of the CWW, the total contributions are:

Table 2 Top 50 contributors to ComplexWorld Wiki since its creation

All time (Top 50)

Score ↕	Pages ↕	Changes ↕	Username ↕
91	66	227	<a href="#">Rvazquez</a> (Talk   contribs   block)
83	56	232	<a href="#">HUinx</a> (Talk   contribs   block)
36	14	136	<a href="#">Gluchshenko</a> (Talk   contribs   block)
22	10	45	<a href="#">Sergio.ruiz</a> (Talk   contribs   block)
19	14	20	<a href="#">Sybert</a> (Talk   contribs   block)
19	3	64	<a href="#">Soufiane bouarfa</a> (Talk   contribs   block)
13	3	26	<a href="#">Gerald.gurtner</a> (Talk   contribs   block)
12	8	13	<a href="#">Paulalopez</a> (Talk   contribs   block)
11	4	18	<a href="#">Pablofleurquin</a> (Talk   contribs   block)
10	7	9	<a href="#">Simone Pozzi</a> (Talk   contribs   block)
9	2	15	<a href="#">Cookaj</a> (Talk   contribs   block)
9	1	16	<a href="#">Nataliya</a> (Talk   contribs   block)
8	5	7	<a href="#">JacquiLoadman</a> (Talk   contribs   block)
8	2	10	<a href="#">Bernomone</a> (Talk   contribs   block)
7	2	9	<a href="#">University of hannover</a> (Talk   contribs   block)
7	1	10	<a href="#">AndreasHeidt</a> (Talk   contribs   block)
6	2	7	<a href="#">Fabio Lamanna</a> (Talk   contribs   block)
5	1	6	<a href="#">Ablanch</a> (Talk   contribs   block)
5	2	5	<a href="#">Cciruelos</a> (Talk   contribs   block)
1	1	1	<a href="#">Hap blom</a> (Talk   contribs   block)
1	1	1	<a href="#">Kanaan.abdo</a> (Talk   contribs   block)
1	1	1	<a href="#">Noadminrights</a> (Talk   contribs   block)

## 2.2 Wiki visits (traffic)

The reporting period considered for the scope of this traffic report begins on **July 1st 2014** and runs to **December 31<sup>st</sup>, 2014**.

Table 3 Sessions and Users per month to the ComplexWorld Wiki

Month	Sessions	Users
July	263	182
August	196	154
September	224	172

October	214	192
November	257	213
December	271	176

The chart below represents the total monthly sessions and users and demonstrates the upward trend in traffic during 2014, both in term of visits and in unique visitors.

The stable traffic (average 235 sessions, 170 users) has primarily been driven by campaigns promoting CW activities during the year, in the six reported months, CWW had 1425 sessions from 1001 users.

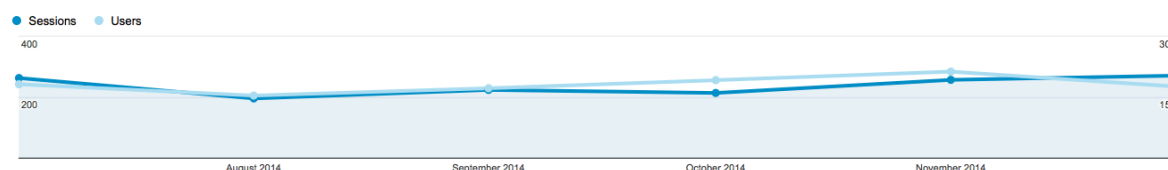


Figure 1 Sessions and users by month

## 2.3 Traffic sources

The visits received during these months come from several sources shown in the following table. The report period is from the 1st of July 2014 to 31st December 2014.

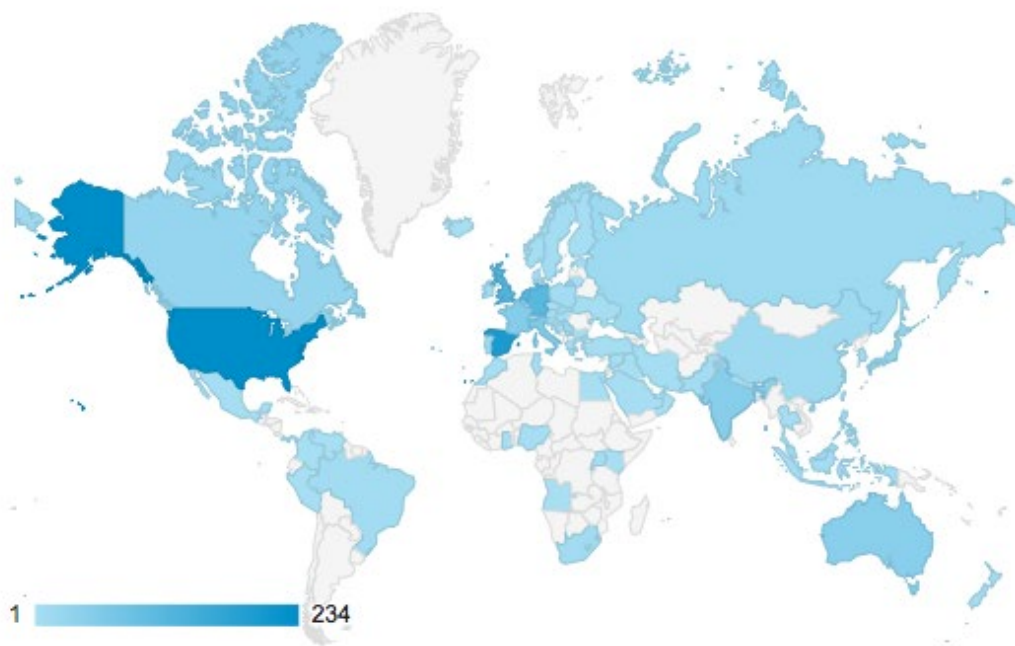
Table 4 Traffic sources to the ComplexWorld Wiki

	Acquisition			Behaviour		
	Sessions	% New Sessions	New Users	Bounce Rate	Pages / Session	Avg. Session Duration
	1,425	67.65%	964	74.53%	2.27	00:01:36
1 Organic Search	937	<div style="width: 66%;"></div>		80.79%	<div style="width: 80%;"></div>	
2 Direct	339	<div style="width: 24%;"></div>		61.36%	<div style="width: 61%;"></div>	
3 Referral	84	<div style="width: 6%;"></div>		60.71%	<div style="width: 61%;"></div>	
4 Email	48	<div style="width: 3%;"></div>		68.75%	<div style="width: 69%;"></div>	
5 Social	17	<div style="width: 1%;"></div>		76.47%	<div style="width: 76%;"></div>	

Most traffic comes from search engines, followed by direct traffic and then referrals mainly from sesarju.com, innaxis.org and complexworld.org. The traffic driven to the wiki coming from Email and Social media are highly related to punctual communication campaigns.

The following figure shows the internationality of traffic attracted by the CWW.





Country ?	Acquisition		
	Sessions ? ↓	% New Sessions ?	New Users ?
	<b>1,425</b> % of Total: 100.00% (1,425)	<b>67.65%</b> Site Avg: 67.65% (0.00%)	<b>964</b> % of Total: 100.00% (964)
1.  United States	<b>235</b> (16.49%)	<b>90.64%</b>	<b>213</b> (22.10%)
2.  Spain	<b>207</b> (14.53%)	<b>37.20%</b>	<b>77</b> (7.99%)
3.  United Kingdom	<b>123</b> (8.63%)	<b>82.93%</b>	<b>102</b> (10.58%)
4.  Germany	<b>122</b> (8.56%)	<b>40.98%</b>	<b>50</b> (5.19%)
5.  Netherlands	<b>103</b> (7.23%)	<b>32.04%</b>	<b>33</b> (3.42%)
6.  Italy	<b>60</b> (4.21%)	<b>70.00%</b>	<b>42</b> (4.36%)
7.  India	<b>57</b> (4.00%)	<b>84.21%</b>	<b>48</b> (4.98%)
8.  France	<b>51</b> (3.58%)	<b>76.47%</b>	<b>39</b> (4.05%)
9.  Australia	<b>46</b> (3.23%)	<b>76.09%</b>	<b>35</b> (3.63%)
10.  Belgium	<b>41</b> (2.88%)	<b>60.98%</b>	<b>25</b> (2.59%)

Figure 2 Distribution of the traffic per country

### 3 Wiki Contributions

WP\_E projects and PhDs, and specifically those thematically related to ComplexWorld, are expected to be the major contributors 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 and material of the CWW , thus developing a common framework of knowledge.

ComplexWorld has fostered the contribution from projects and PhDs. It has been very difficult with some of the projects, especially those from the first call, which have already finished, to get their involvement in the CWW. In those cases, ComplexWorld has completed the content based on its final reports.

Project	Current status (June 2014)	Inputs in the period Jul-Dec2014:
CASSIOPEIA	Complete	
ASHiCS	Complete	Completed by CW from Final Report
COMPASS	Complete	Completed by CW from Final Report
ELSA	Complete	Completed by CW from Final Report
NEWO	Complete	
ONBOARD	Complete	Completed by CW from Final Report
POEM	Complete	
MAREA	Complete	
EMERGIA	Complete, ongoing	
ComplexityCosts	Complete, on-going	
TREE	Complete, on-going	
RobustATM	Almost complete, on-going	
SecureDataCloud	Almost complete, on-going	

The level of involvement of the PhD students in the ComplexWorld initiatives, including the wiki, is satisfactory. Therefore, the network members have fostered their participation in the update of their research work into the CWW by sending them reminders along the year. In any case, a new update is required by the beginning of 2015 in the majority of the PhD pages.

PhD student	Institution	Current status as of January 2015, inputs in the reporting period
XXXXXXXXXXXXXXXXXX	University of Hannover (UoH)	Results pending. Questions in the DIVMET model section should be answered
XXXXXXXXXXXXXXXXXX	Delft University of Technology (TUD)	Results pending
XXXXXXXXXXXXXXXXXX	Friedrich Alexander University Erlangen-Nuremberg (FAU)	Results pending
XXXXXXXXXXXXXXXXXX	IFISC, Universitat de les Illes Balears (UIB) - CSIC	Results pending. Lists of publications updated
XXXXXXXXXXXXXXXXXX	Vrije Universiteit Amsterdam (VUA)	PhD finished, could need an update with final results highlighted
XXXXXXXXXXXXXXXXXX	Sapienza University of Rome (SUoR)	Results pending
XXXXXXXXXXXXXXXXXX	Universidad Politécnica de Madrid (UPM)- (PhD cancelled)	Empty
XXXXXXXXXXXXXXXXXX	Universidad Politécnica de Madrid (UPM)	Up to date (10Dec14)
XXXXXXXXXXXXXXXXXX	Vrije Universiteit Amsterdam (VUA)	Just created, no input

#### Events material added to the wiki

During the first half of 2014, the management team of the wiki (Innaxis and U. of Seville) included in the wiki all the information on previous events celebrated in the context of ComplexWorld: from 2011 to 2014. With those updates, the information on the CW events is up-to-date.

#### Data Science chapter update

After 2 Data Science in Aviation Workshops, a PhD student and one chapter of the book, one of the objectives for this year was to update the Data Science page of the wiki. This task has been completed at the Innaxis collaborative platform although cannot be posted in the wiki until the book is published due to copyright reasons. The current Data Science section can be read through [this](#) link.

## 4 Conclusions

During this reporting period the ComplexWorld team has been working on the update of the contents of the wiki. In particular, the objectives for this period were:

- Complete the information of the closed projects based on their Final Report.
- Foster ongoing projects to update their corresponding wiki pages.
- Foster PhD students to update their corresponding wiki pages.
- Update the Data Science page.

A continuous update of the CWW is key to achieve and maintain high levels of impact.

As the network has been focused on the update of the CWW, very few marketing campaigns have been developed. The big majority of the traffic comes from search engines and direct traffic. Accordingly, the traffic has decreased reaching a stable rate of more than 230 monthly visits, streaming from nearly 170 different visitors per month.

In the following period, different actions will be developed to promote the new content, including: email announcements, social media posts, CW blog posts with links to wiki pages, etc. With these actions, it is expected to return to the previous traffic figures.

The ComplexWorld Wiki continues demonstrating that it is a very useful and successful platform; both to develop further initial content so as to open new fields of research, such as Data Science, and to interlink existing content with available results produced under other 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-