

Holistic Human Factors Design of Adaptive Cooperative Human-Machine Systems



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Holistic Human Factors **Des**ign of Adaptive Cooperative Human-Machine Systems



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1 Introduction

1.1 About this document

This document is about the explanation of the different sections and contents of the HoliDes website. The web portal, www.holides.eu, is one of the main contributions to dissemination activities for the HoliDes project.

Considering the importance of the international partners involved in the project and of its users, the web application has been designed and built taking into consideration the specific project and its diverse areas of activity, balancing the functionality on the needs and expectations of users. It is an effective communication tool.

The strength of the website interface is its usability. The site is easy to use by the user thanks to an intuitive graphic which is easy to understand. The socalled information architecture has been developed according to user in order to facilitate accessibility to all site content. From the point of view of interaction, procedures have been standardized so that similar actions correspond to similar results regardless of the contexts.

The web application is related to the project visual identity for every interface. It is dynamic application in terms of usability and technological performance.

As an initial contact point for both the general public and selected project stakeholders, the portal will present an overview of the work being carried out by HoliDes, including real-world benefits that can be expected from the project.

Due to the fact that a detailed analysis of the web site was provided in previous deliverable D10.1, in the current one an explanation of the main updates will be provided.

1.2 Objective

The objective of this document is to track the website structure, the procedures followed to update it and the web statistics.

1.3 Intended/Main audience

This document is public.

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2 Website

In this section, we briefly describe the sections of ASTUTE web-site with the corresponding screenshots for visualization.

2.1 Home

The content of the home page has been updated frequently. News, in the front page, are changed frequently.



Figure 1 Home page

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2.2 About the project

Here the user will find general purpose information about the project, its structure and the subpage for the deliverables available. At the end of the project, a results subpage will be released with more specific information about the tangible results achieved during its lifecycle.

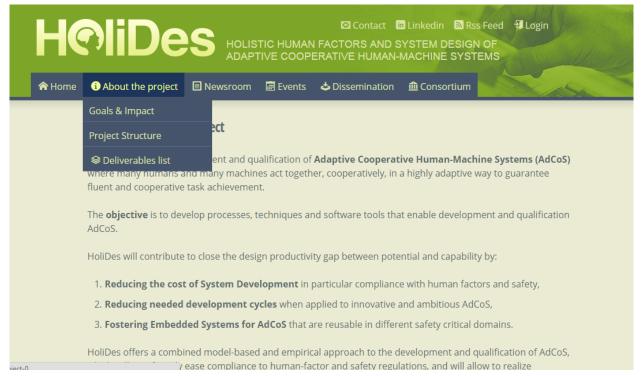


Figure 2 "About the project" page

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2.3 Newsroom

This section has been modified with the latest news of the project.

				FACTORS AND S RATIVE HUMAN-			
	😭 Home 🚯 Abou	ut the project 🔲 Newsroom	📰 Events	Cissemination	血 Consortium		
		Newsroom					
	HoliDes	Final Event					
The HoliDes Final Event will be hosted by Airbus Defence and Space in Friedrichshafen, Germa September 29th. The event celebrates the conclusion of the HoliDes project where 31 partners the industry, research institutes and universities in seven European countries investigated in a innovative Human Factors engineering process that can be embedded into traditional System Engineering processes to develop safety critical systems.				1 partners from gated in an			
	HoliDes	@ HCI-Aero 2016					
	project p	k entitled "Cognitive Workload partners Tecnalia Research and	Innovation, So	ienza Nuova Resea	rch Centre, and Honey	well, is going to	
		Fi	igure 3 I	Newsroom j	page		

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2.4 Events

All the Upcoming Events and Past Events related to the project or that can be of some interest are regularly published in this section.

Contact Linkedin Rss Feed Login HOLISTIC HUMAN FACTORS AND SYSTEM DESIGN OF ADAPTIVE COOPERATIVE HUMAN-MACHINE SYSTEMS	
About the project 🔋 Newsroom 🔄 Events 🕹 Dissemination 🏛 Consortium	
Events	
ICHCI 2016: International conference on Human-Computer Interaction	
27/10/2016 States://www.waset.org/conference/2016/10/london/ICHCI/call-for-papers	
The ICHCI 2016 : 18th International Conference on Human-Computer Interaction is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Human-Computer Interaction. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world.	
HoliDes Final Event	
29/09/2016 Airbus Defence & Space, Friedrichshafen, Germany	

Figure 4 Events page

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2.5 Dissemination

In this section, there is a repository with all dissemination materials provided by the project consortium, such as posters, public deliverables, videos, publications...

HOIDES HOLISTIC HUMA ADAPTIVE COOP	Contact Clinkedin Rss Feed Login N FACTORS AND SYSTEM DESIGN OF PERATIVE HUMAN-MACHINE SYSTEMS
帝 Home 🚯 About the project 🔲 Newsroom 📓 Events	
Read more about the HoliDes pro	ject
Newsletter	Semination materials
Desters	Publications
Se Public Deliverables	Related Projects
Videos	

Figure 5 Dissemination page

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2.6 Consortium

This section provides information about all the members of the Holides consortium and its role in the project.

He	Di	De		TIC HUMAN FIVE COOP	⊠ Contact N FACTORS AND S ERATIVE HUMAN-	Linkedin 🔊 Rss F SYSTEM DESIGN C MACHINE SYSTEM	eed J Login DF MS
🏫 Home		the project	Newsroom	📰 Events	🕹 Dissemination	盦 Consortium	5.5
		Members					
OFF	5						
Atos	s	Any Wi		BINC UNVERSITY OF TROPHOLOGY	CORPORE & SPACE	🌀 AIRBUS	CRF CENTRO RICERCHE FIAT
CIVITE	C	4		VÁČ		Human Factors Consult	Honeywell

Figure 6 Consortium page

3 Procedures

To foster collaboration in the web page, and to remind the consortium to publish the available information, a simple but effective mechanism has been carried out.

Bi-weekly, an email has been sent reminding the partners the great importance of updating the website. This measure has been taken in other projects and it has been very effective.

During this period the number and frequency of news and events published have been increased, demonstrating that the measures have been effective.

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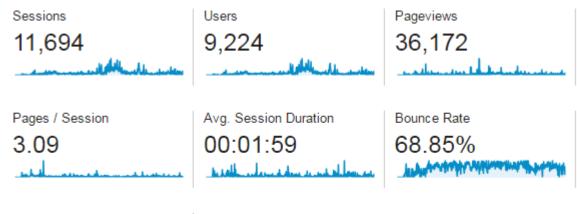
4 Statistics

All statistical data are tracked from $\mathbf{1}^{st}$ of October of 2013 till $\mathbf{1}^{st}$ of September of 2016

4.1 Audience

4.1.1 Users

Users of the website for the total length of the project:



% New Sessions
78.87%

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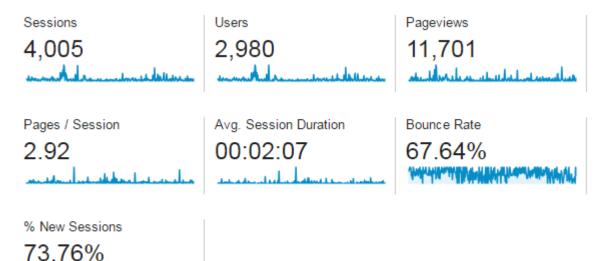
And add hand to be a strength of the strength

HoliDes

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Users of the website for the last year (sept 2015 – sept 2016):



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Returneability of visitors for the total length of the project:



Returneability of visitors for the last year of the project (sept 2015 – sept 2016):

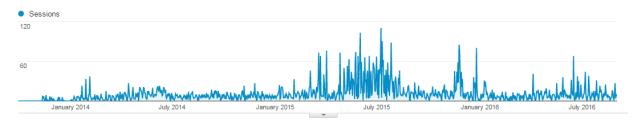


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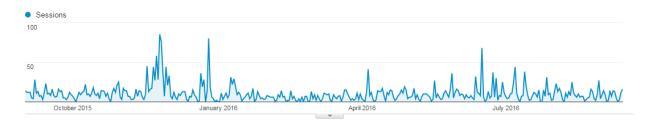




Distribution of users on time for the total length of the project:



Distribution of users on time for the last year of the project (sept 2015 – sept 2016):



4.1.2 Active users

Active user statistics for the total length of the project:

1 Day Active Users	7 Day Active Users	14 Day Active Users	30 Day Active Users
7 % of Total: 100.00% (7)	59 % of Total: 100.00% (59)	101 % of Total: 100.00% (101)	224 % of Total: 100.00% (224)
% of Total. Tou.00% (7)	% of Total. Tot.00% (39)	% of rotal. 100.00% (101)	% of total. 100.00% (224)

Active user statistics for the last year of the project:

1 Day Active Users	7 Day Active Users	14 Day Active Users	30 Day Active Users
15	51	86	184
% of Total: 100.00% (15)	% of Total: 100.00% (51)	% of Total: 100.00% (86)	% of Total: 100.00% (184)

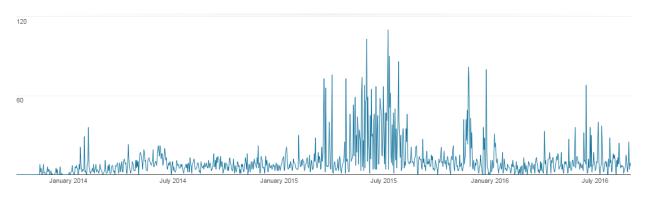
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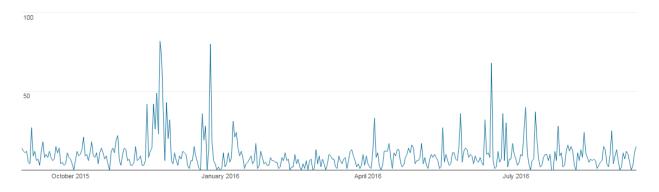
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Distribution of active users on time for the whole length of the project:



Distribution of active users on time for the last year of the project (sept 2015 – sept 2016):



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4.2 Geographical

4.2.1 Language

Language statistics for the whole length of the project:

Language	Sessions 🔻 🗸	Sessions	Contribution to total: Sessions
	11,694 % of Total: 100.00% (11,694)	11,694 % of Total: 100.00% (11,694)	
1. ■ (not set)	4,097	35.04%	
2. en-us	2,001	17.11%	12.0%
3. 🔳 de	1,136	9.71%	35%
4. 📕 es	619	5.29%	
5. 🔳 pt-br	515	4.40%	
6. 🔳 de-de	454	3.88%	9.7% 17.1%
7. 📕 en	353	3.02%	
8. 💻 it	353	3.02%	
9. 🔳 it-it	353	3.02%	
10. 🔳 en-gb	306	2.62%	

Language statistics for the last year of the project (sept 2015 – sept 2016):

Language	Sessions 🔻 🗸	Sessions	Contribution to total: Sessions
	4,005 % of Total: 100.00% (4,005)	4,005 % of Total: 100.00% (4,005)	
1. ■ (not set)	1,194	29.81%	
2. en-us	678	16.93%	15%
3. 🔳 de	423	10.56%	29.8%
4. 🗖 es	238	5.94%	4%
5. 🔳 de-de	203	5.07%	45
6. 🔳 it	160	4.00%	10.8%
7. 🔳 en	159	3.97%	
8. 🗖 pt-br	144	3.60%	
9. 🔳 it-it	109	2.72%	
10. 🔳 en-gb	98	2.45%	

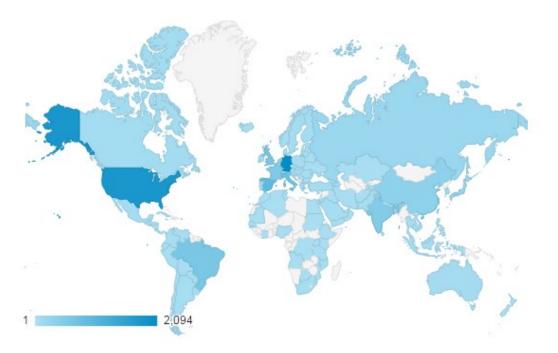
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4.2.2 Country

Sessions by country for the whole length of the project (from 125 countries):



Country	Sessions	% Sessions
1. 🥅 Germany	2,094	17.91%
2. 🔤 United States	1,825	15.61%
3. (not set)	1,119	9.57%
4. 🚾 Spain	929	7.94%
5. III Italy	746	6.38%
6. 翻訳 United Kingdom	608	5.20%
7. 🐼 Brazil	597	5.11%
8. III France	518	4.43%
9. 🔤 India	476	4.07%
10. 🚝 China	340	2.91%

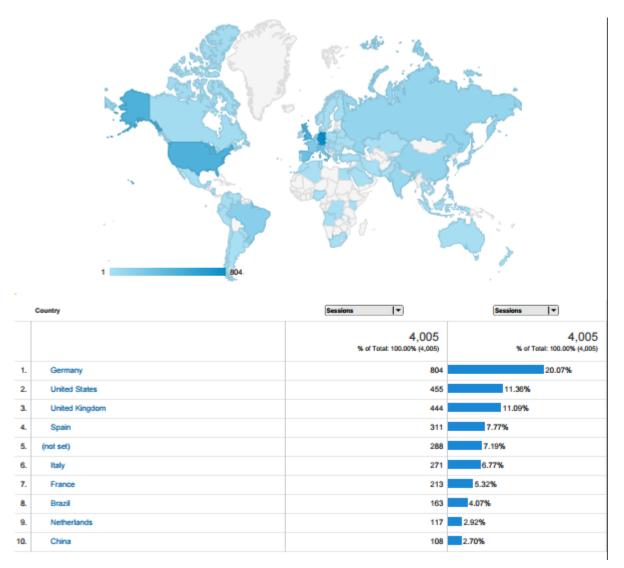
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Sessions by country for the last year of the project (from 86 countries):



4.2.3 City

Session by cities for the whole length of the project:

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City	Sessions	% Sessions
1. (not set)	2,163	18.50%
2. Madrid	542	4.63%
3. Naples	306	2.62%
4. Stuttgart	290	2.48%
5. Erlangen	221	1.89%
6. Oldenburg	202	1.73%
7. Berlin	177	1.51%
8. Mumbai	167	1.43%
9. (not set)	154	1.32%
10. New York	146	1.25%

Sessions by city for the last year of the project (sept 2015 – sept 2016):

	City	Sessions 🔻	Sessions T
		4,005 % of Total: 100.00% (4,005)	4,005 % of Total: 100.00% (4,005)
1.	(not set)	748	18.68%
2.	Stuttgart	150	3.75%
3.	Naples	132	3.30%
4.	Madrid	119	2.97%
5.	Berlin	73	1.82%
6.	New York	70	1.75%
7.	Oldenburg	69	1.72%
8.	Hamburg	63	1.57%
9.	Ashburn	60	1.50%
10.	Vitoria-Gasteiz	47	1.17%

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4.3 System

4.3.1 Browser

Browser usage for the whole length of the project:

Browser	Sessions	% Sessions
1. Chrome	7,618	65.14%
2. Firefox	1,794	15.34%
3. Internet Explorer	992	8.48%
4. Safari	463	3.96%
5. (not set)	199	1.70%
6. Opera Mini	159	1.36%
7. UC Browser	148	1.27%
8. Android Browser	126	1.08%
9. Opera	58	0.50%
10. S40 Ovi Browser	58	0.50%

Browser usage for the last year of the project (sept 2015 – sept 2016):

	Browser	Sessions 🔻	Sessions T
		4,005 % of Total: 100.00% (4,005)	4,005 % of Total: 100.00% (4,005)
1.	Chrome	2,563	64.00%
2.	Firefox	777	19.40%
3.	Internet Explorer	354	8.84%
4.	Safari	187	4.67%
5.	(not set)	39	0.97%
6.	Opera	17	0.42%
7.	Edge	16	0.40%
8.	UC Browser	16	0.40%
9.	Android Browser	10	0.25%
10.	Opera Mini	10	0.25%

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4.3.2 Operating system

OS used by the whole length of the project:

Sessions	% Sessions
5,608	47.96%
4,506	38.53%
474	4.05%
422	3.61%
337	2.88%
218	1.86%
58	0.50%
23	0.20%
22	0.19%
9	0.08%
	5,608 4,506 474 422 337 218 58 23 22

OS used statistics in the last year of the project (sept 2015 – sept 2016):

	Operating System	Sessions 🔻	Sessions V
		4,005 % of Total: 100.00% (4,005)	4,005 % of Total: 100.00% (4,005)
1.	Windows	2,199	54.91%
2.	Macintosh	1,347	33.63%
3.	Linux	190	4.74%
4.	iOS	107	2.67%
5.	Android	104	2.60%
6.	(not set)	52	1.30%
7.	Samsung	3	0.07%
8.	BlackBerry	2	0.05%
9.	Nokia	1	0.02%

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4.3.3 Service provider

Service provider use statistics in the whole length of the project:

Sessions	% Sessions
929	7.94%
462	3.95%
305	2.61%
211	1.80%
162	1.39%
153	1.31%
151	1.29%
142	1.21%
137	1.17%
132	1.13%
	929 462 305 211 162 153 151 142 137

Service provider use statistics in the last year of the project (sept 2015 – sept 2016):

	Service Provider	Sessions 🔻 🗸	Sessions T
		4,005 % of Total: 100.00% (4,005)	4,005 % of Total: 100.00% (4,005)
1.	(not set)	353	8.81%
2.	deutsche telekom ag	151	3.77%
3.	universita suor orsola benincasa	80	2.00%
4.	fundacion tecnalia	68	1.70%
5.	voxility.net	63	1.57%
6.	telefonica de espana sau	56	1.40%
7.	amazon technologies inc.	55	1.37%
8.	digital ocean inc.	53	1.32%
9.	tsi fuer eads deutschland gmbh	46	1.15%
10.	ip addresses for jazztelbone clients	44	1.10%

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4.4 Mobile

4.4.1 Operating system

Sessions	% Sessions
422	46.89%
218	24.22%
112	12.44%
58	6.44%
23	2.56%
22	2.44%
20	2.22%
9	1.00%
9	1.00%
4	0.44%
	422 218 112 58 23 22 20

4.4.2 Service provider

Service Provider	Sessions	% Sessions
1. opera software asa	137	15.22%
2. deutsche telekom ag	78	8.67%
3. nokia corporation	28	3.11%
4. telekom deutschland gmbh	27	3.00%
5. opera software americas IIc	21	2.33%
6. gprs delhi mobile subscriber ip	19	2.11%
7. (not set)	17	1.89%
8. chinanetcenter (usa)	17	1.89%
9. cjsc er-telecom company samara	13	1.44%
10. gprs pune mobile subscriber ip	11	1.22%

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4.4.3 Screen resolution

Screen Resolution	Sessions	% Sessions
1. 360x640	87	9.67%
2. 768x1024	64	7.11%
3. 320x480	47	5.22%
4. 320x568	46	5.11%
5. 375x667	44	4.89%
6. 800x1232	44	4.89%
7. 480x800	38	4.22%
8. 1366x768	27	3.00%
9. 800x600	27	3.00%
10. 320x534	24	2.67%

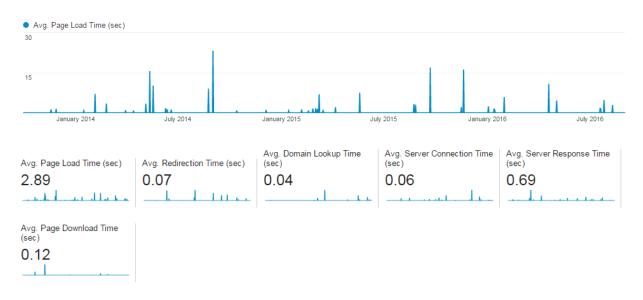
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4.5 Site speed

Site speed statistics for the whole length of the project:



Site speed statistics for the last year of the projcet (sept 2015 – sept 2016):



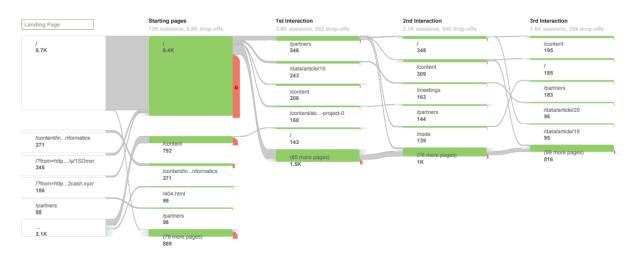
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4.6 Behavior flow

Behavior flow statistics for the whole length of the project:



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Behavior flow statistics for the last year of the project:



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4.7 Top content

Page ?		Pageviews ?	Unique Pageviews	Avg. Time on Page	Entrances ?	Bounce Rate ?	% Exit ?
		36,173 % of Total: 100.00% (36,173)	24,534 % of Total: 100.00% (24,534)	00:00:56 Avg for View: 00:00:56 (0.00%)	11,605 % of Total: 100.00% (11,605)	68.85% Avg for View: 68.85% (0.00%)	32.08% Avg for View: 32.08% (0.00%)
1. /	R	11,706 (32.36%)	9,238 (37.65%)	00:01:29	8,735 (75.27%)	68.80%	60.13%
2. /partners		2,346 (6.49%)	1,197 (4.88%)	00:00:42	98 (0.84%)	55.10%	16.33%
3. /meetings	ß	1,243 (3.44%)	620 (2.53%)	00:00:52	47 (0.40%)	55.32%	9.81%
4. /deliverables	r.	1,116 (3.09%)	485 (1.98%)	00:00:46	40 (0.34%)	27.50%	11.11%
5. /data/article/19	~	996 (2.75%)	673 (2.74%)	00:00:33	34 (0.29%)	35.29%	11.45%
6. /newsletter/holides-newsletter	ß	581 (1.61%)	271 (1.10%)	00:01:22	63 (0.54%)	28.57%	23.41%
7. /data/article/20	ß	508 (1.40%)	367 (1.50%)	00:00:18	4 (0.03%)	50.00%	6.50%
8. /content/impact	J.	479 (1.32%)	311 (1.27%)	00:01:23	39 (0.34%)	69.23%	23.17%
9. /public-deliverables		462 (1.28%)	168 (0.68%)	00:00:49	6 (0.05%)	0.00%	8.44%
10. /project_structure	æ	450 (1.24%)	347 (1.41%)	00:00:53	40 (0.34%)	87.50%	21.11%

As usual, the most visited page is the home page but there are some figures that are interesting:

- The newsroom section works as desired, with almost 1000 page views, so the updates of the project have achieved the dissemination level needed.
- Newsletters also have had a big impact in the figures.
- Partners information and updates about the meetings are in the top of the list.

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