



Periodical Dissemination and Communication Activities (1/3)

## Deliverable 7.5 - PUBLIC

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## Executive Summary

The Report on Periodic Dissemination and Communication Activities is Deliverable 7.5 of the Quantimony project. In our Work Plan, it is described in the Work Package 7: “Knowledge Dissemination, Communication & Exploitation” as one of the three reports on dissemination and communication activities to be uploaded in M18, M30 and M42.

This Deliverable has been drafted by the Head of the Dissemination and Public Engagement Committee Richard Beanland (UOW) and the Network Coordination Office of the project. It reports on the dissemination, outreach and communication activities that have been produced as well as those in which consortium members have participated for this first reporting period (M1 –M18).

## Dissemination Activities

### 1. Scientific publications

Up to this date, 6 publications acknowledging the project have been published on Open Access repositories. Full details of these publications can be found on Annex 1.

*Table 1- Dissemination activities*

Dissemination activities							
	Journal Article		Conf/Worksh.			Book/mono graph	Total /node
		J.A. with ESR	Proceedings	Thesis Diss.	Book Chapter		
CSIC1	1	0					1
CSIC2	3	0					3
UPM							
ULANC							
UOW							
TUE							
TUB							
UWUE	2	0					2
UNITOV							
AIXTRON							
IQE							
nextnano							
<b>TOTAL/ act.</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>

All these publications are joint authorship with other consortium organisations, as s shows the table below:

Joint Journal Articles												
	CSIC1	CSIC2	UPM	ULANC	UOW	TUE	TUB	UWUE	UNITOV	AIXTRON	IQE	nextnano
CSIC1												
CSIC2	1											
UPM												
ULANC												
UOW												
TUE												
TUB												
UWUE												
UNITOV												
AIXTRON												
IQE												
nextnano												
Braker												
nanoplus								1				
LMA												
Tiberlab												
QuantCAD												
Fluxim												
Max IV												
ESRF		2										
NSRRC												
Ucardiff												
UCA												
UFSCAR								2				
nextnanoLab												
TUM												

*Table 2- Joint publication of journal articles*

In order to maximize the exposure of our consortium’s publications, we use Research Gate and the twitter account of the project. Please see the social media report in the next section.

## 2. Public Deliverables

We have produced three public project Deliverables:

- The report on the creation of the website and social media outlets, and
- The report on our first Industry Day, hosted by AIXTRON.
- The report on our Periodic Training Activities

These, as well as all dissemination outputs are accessible in the Dissemination section of the website.



### Publications

P. Steindl et al. (2021) On the importance of antimony for temporal evolution of emission from self-assembled (InGa)(AsSb)/GaAs quantum dots on GaP(001) *New J. Phys.* vol 23, 103029

E. D. Guarín Castro et al. (2021) Optical Mapping of Nonequilibrium Charge Carriers *J. Phys. Chem.* 125, 27, 14741–14750

Y. Soler-Castillo et al. (2021) Modelling of the efficiency of the photovoltaic modules: Grid-connected plants to the Cuban national electrical system *Solar Energy* vol 223, pp. 150-157, 0039-092X

Andrés Alessio et al. (2021) Functional Modifications Induced via X-ray Nanopatterning in TiO2 Rutile Single Crystals *P. S. S. m* vol 15, 10, 2100409

Jaime Segura-Ruiz et al. (2021) Spatially and Time-Resolved Carrier Dynamics in Core-Shell InGaN/GaN Multiple-Quantum Wells on GaN Wire *Nano Lett.* vol 21, 22, 9494–9501

[ See all ]

### Public Deliverables

- D7.1. Quantimony internet website and social networks
- D7.8. Industry & Career Day Report (1/2)
- D2.4 Periodical Training Activities Report (1/3)

[ See all ]



Figure 1- Dissemination section of website

## Communication & Outreach Activities

### 1. Quantimony website activities

The Quantimony website is public since M7 (may 2021) (<https://quantimony.eu/>). It contains all important information about the consortium, the research teams, consortium events, the project objectives and serves as a repository for the networks dissemination and communication outputs, as well as the ESR blogs.

#### Website activities for this period (M7-M16):

- News Posts: 4 Press Releases, 4 Network Events.
- 6 scientific publications uploaded to the dissemination section.
- 2 Public deliverables uploaded
- 14 ESR blog editor access enabled
- Consortium and project information published.

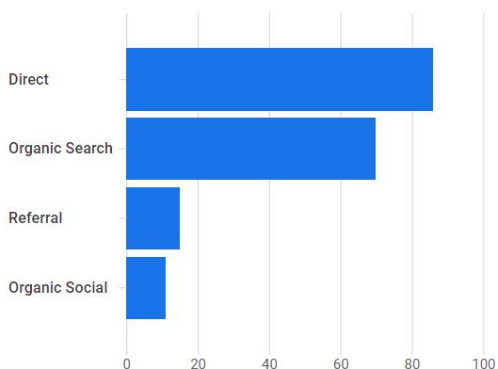
We have shortly ago implemented Google Analytics, and results show that we have acquired 163 new visitors monthly and 1,384 views per 1-month period. The average session spent on the website is 2.22 minutes and the pages/sections most visited are the Home page, the “people” and “Consortium” section, which present the network and the eleven research teams and the Dissemination page that contains links to the deliverables and publications, and the events section.

New users access the website mainly through direct engine search and organic search (image 3 below), although those accessing from referral or from social media have higher engagement rates (over 85%). These users come mainly from the UK, Spain, Germany China, the US, the Netherlands and France. The full Google Analytics report can be found in Annex V.

Page title and screen class	Views
Totals	1,384 100% of total
1 · Quantimony	475
2 Quantimony · Training network on antimony-based semiconductor materials	294
3 People · Quantimony	179
4 Dissemination · Quantimony	141
5 The Consortium · Quantimony	90
6 Project · Quantimony	67
7 Outreach · Quantimony	64
8 News & Events · Quantimony	45
9 Nextnano GmbH · Quantimony	8
10 Agencia Estatal Consejo Superior de Investigaciones Cientificas (CSIC) · Quantimony	4

Figure 2- Engagement per screen or page sections

New users by First user default channel grouping



COUNTRY

- United Kingdom
- Spain
- Germany
- China
- United States
- Netherlands
- France

Figure 3 - New users statistics per entry channel and country of origin

## 2. Social Media outlets

- **YouTube Channel:**

We have a **YouTube channel** “quantimonyTV” active since **M11** with private content consisting on guest and ESR presentations from two of our training events:

- 14 ESR presentations from the 1<sup>st</sup> ESR Checkpoint (UWUE, Dec 2022)
- 3 guest presentations from III Sb Annual Workshop presentations (UWUE, Dec 2022)
- 14 ESR presentations from the 1st Annual AAB meeting (ULANC, April 2022)
- 3 guest presentations from the 1st Annual AAB meeting (ULANC, April 2022)

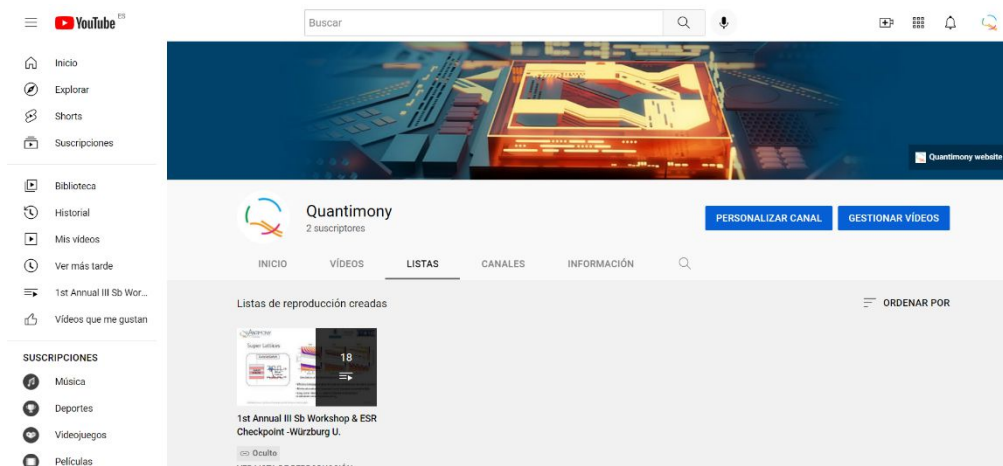


Figure 4- view of YouTube channel

- **Twitter:**

Our **Twitter** account (@quantimony) is active since **M1**. During this first reporting period we have achieved:

- 31 followers
- 21 publications
- 70 following

Our maximum engagement achieved has been 1,364 impressions from content forwarding MSCA info events and and 1,064 visits in February 2022 with 17.6% engagement, although the average engagement for popular tweets is of 12.86%. Our top profile visits have been 1,700 monthly visits.

Our most popular tweets, which relate to maximum profile visits or high engagement figures can be classified in the following content types:

- Project hiring process
- MSCA information
- Woman in science Day with link to dissemination material. These type of tweet redirects a good amount of traffic to our dissemination section of the website and to the scientific articles linked.
- Network Event photos

The full, per-month Twitter analytics report can be found in Annex V.

### 3. Organisation of communication and outreach activities

The below summary table shows the consortium’s production and organisation of communication and outreach activities. On this reporting period, the network has organised/released:

- **4 Press Releases**, released by beneficiaries (CSIC, AIXTRON, UNITOV & ULANC) and shared on our social networks and the Outreach section of the website.
- **1 outreach activity**, organised by one beneficiary (ULANC)
- **1 website and 1 social media** channel for the project
- **12** videos created for the private YouTube channel of the consortium.
- **1** consortium social media publication (IQE’s LinkedIn).

		Outreach materials/org communication events													
		CSIC1	CSIC2	UPM	ULANC	UOW	TUE	TUB	UWUE	UNITOV	AIXTRON	IQE	nextnano	Total/cat	
Release of outputs	Press Release	1			1					1	1			4	
	Flyer														
	Comm Campaign														
	non-scientific publication														
	social media	1										1		2	
Org of activities	website	1												1	
	video	1	1	1	1	1	1	1	1	1	1	1	1	12	
	conference														
	exhibition														
	outreach comm activity				1									1	
	<b>Total/node</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>TOTAL</b>	<b>20</b>

Figure 5 – Organisation of communication/outreach activities

Further details on these activities can be found in Annex II.

### 4. Participation in communication and outreach activities

The summary table below shows the communication and outreach activities in which the consortium ESRs and PIs have participated.

During this first reporting period, they have participated in the following communication activities:

- 1 oral talk at a workshop
- 2 oral talks at conferences

As for outreach activities, one ESR has made an ESR blog entry on his blog in the Quantimony website, and 3 other ESRs have participated in outreach activities such as the European Researchers Night (Sept 2021) or interviews. The NC has given an interview for the H2020 CSIC journal. The related article will be published soon.

		Participation on Communication/Outreach Activities													
		CSIC1	CSIC2	UPM	ULANC	UOW	TUE	TUB	UWUE	UNITOV	AIXTRON	IQE	nextnano	TOTAL/ act.	
	Conference (invited)														
	Conference (oral)				1				1					2	
	Conference (poster)														
	Outreach act.				3				1	1				5	
	ESR blog			1										1	
	trade fair														
	Brokerage event														
	Joint act with other EU projects														
	Other	3												3	
	<b>Total/node</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>TOTAL</b>	<b>11</b>

Figure 6 - Participation in communication and outreach activities

## Annex I. Dissemination Activities

Institutions participating	partner organisation	DOI	Title	First Author	Link	Open Access	Repository link	peer reviewed	joint public/private	linked to RG
CSIC-IMN		<a href="http://dx.doi.org/10.1088/1367-2630/ac2bd6">http://dx.doi.org/10.1088/1367-2630/ac2bd6</a>	On the importance of antimony for temporal evolution of emission from self-assembled (InGa)(AsSb)/GaAs quantum dots on GaP(001)	P. Steindl	<a href="https://iopscience.iop.org/article/10.1088/1367-2630/ac2bd6">https://iopscience.iop.org/article/10.1088/1367-2630/ac2bd6</a>	Yes, in Golden Open Access		Yes	No	yes
UWUE	UFSCAR;	<a href="https://doi.org/10.1021/acs.jpcc.1c02173">10.1021/acs.jpcc.1c02173</a>	Optical Mapping of Nonequilibrium Charge Carriers	E. D. Guarin Castro	<a href="https://doi.org/10.1021/acs.jpcc.1c02173">https://doi.org/10.1021/acs.jpcc.1c02173</a>	No		Yes	No	no (please do it)
CSIC-ICMM		<a href="https://www.sciencedirect.com/science/article/pii/S0038092X21004229?via=ihub">10.1016/j.solener.2021.05.052</a>	Modelling of the efficiency of the photovoltaic modules: Grid-connected plants to the Cuban national electrical system	Yhosvany Soler-Castillo	<a href="https://www.sciencedirect.com/science/article/pii/S0038092X21004229?via=ihub">https://www.sciencedirect.com/science/article/pii/S0038092X21004229?via=ihub</a>	Yes, in Golden Open Access		Yes	Yes	no (please do it)
CSIC-ICMM	ESRF;	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/pssr.202100409">10.1002/pssr.202100409</a>	Functional Modifications Induced via X-ray Nanopatterning in TiO <sub>2</sub> Rutile Single Crystals	Andrea Alessio	<a href="https://onlinelibrary.wiley.com/doi/full/10.1002/pssr.202100409">https://onlinelibrary.wiley.com/doi/full/10.1002/pssr.202100409</a>	Yes, in Golden Open Access		Yes	Yes	no (please do it)
CSIC-ICMM	ESRF;	<a href="https://pubs.acs.org/doi/10.1021/acs.nanolett.1c02760">10.1021/acs.nanolett.1c02760</a>	Spatially and Time-Resolved Carrier Dynamics in Core-Shell InGaN/GaN Multiple-Quantum Wells on GaN Wire	Jaime Segura-Ruiz	<a href="https://pubs.acs.org/doi/10.1021/acs.nanolett.1c02760">https://pubs.acs.org/doi/10.1021/acs.nanolett.1c02760</a>	No		Yes	Yes	no (please do it)
UWUE;	UFSCAR;nanopilus;	<a href="https://doi.org/10.3390/nano12061024">10.3390/nano12061024</a>	Resonant Tunneling Diodes: Mid-Infrared Sensing at Room Temperature	Florian Rothmayr	<a href="https://doi.org/10.3390/nano12061024">https://doi.org/10.3390/nano12061024</a>	Yes, in Golden Open Access		Yes	Yes	no (please do it)

## Annex II. Organisation of Communication/ outreach activities

Institution	What are you reporting	Type of output	Description	Link to the output	impact	public impacted	Budget from your inst.	Budget from NCO
UNITOV	release of an outreach/communication output	Press release	The press release circulated by the coordinator has been translated to Italian and personalized, and released on the news web page of University of Rome Tor Vergata.	<a href="https://www.csic.es/es/actualidad-del-csic/el-csic-coordina-una-red-internacional-de-investigacion-en-semiconductores">contenido/semiconduttori_e_tecnologia_quantistica_dottorandi_da_tutto_il_mondo_al_lavoro_con_rq_antinomyr_per_lo_sviluppo_di_nuo</a>	?	General public;Scientific Community (Higher Education, Research);	0	0
ULANC	release of an outreach/communication output	Lancaster University	I did the VCSEL demo session at Lancaster University Physics Department for the University Open Day as outreach activity.	There is no link. <a href="https://www.csic.es/es/actualidad-del-csic/el-csic-coordina-una-red-internacional-de-investigacion-en-semiconductores">https://www.csic.es/es/actualidad-del-csic/el-csic-coordina-una-red-internacional-de-investigacion-en-semiconductores</a>	I had an good experience to show a project related to my project to the students and their families.	General public;Scientific Community (Higher Education, Research);	No budget	No budget
CSIC-IMN;	release of an outreach/communication output	Press release	CSIC as network coordinator of the network, description of the training, and relevance of the scientific work of the network	<a href="https://www.aixtron.com/en/press/press-releases/AIXTRON%20supports%20young%20academics%20in%20researching%20of%20future%20semiconductor%20quantum%20components%20_n1786">https://www.aixtron.com/en/press/press-releases/AIXTRON%20supports%20young%20academics%20in%20researching%20of%20future%20semiconductor%20quantum%20components%20_n1786</a>	NO	General public;	0	0
AIXTRON	release of an outreach/communication output	Press release	Role of AIXTRON in the training network and relevance of this.		-	General public;Scientific Community (Higher Education, Research);Media ;	0	0
CSIC-IMN	release of an outreach/communication output	social media		no	1700 profile views	General public;Scientific Community (Higher Education, Research);	0	0
CSIC-IMN	release of an outreach/communication output	website		no	no	General public;Scientific Community (Higher Education, Research);	0	0
ULANC	release of an outreach/communication output	Press release	Press release featuring role of ULANC in the ITN; training and scientific relevance.	<a href="https://www.lancaster.ac.uk/news/lancaster-to-train-early-stage-researchers-in-semiconductor-sciences">https://www.lancaster.ac.uk/news/lancaster-to-train-early-stage-researchers-in-semiconductor-sciences</a>	no	General public;Scientific Community (Higher Education, Research);Media ;	0	0
IQE	release of an outreach/communication output	Press release	Publicity of QUANTIMONY Project, for IQE and its partners within the Industrialization work package.	<a href="https://www.linkedin.com/posts/iqe_semiconductors-compoundsemiconductors-qauntimony-activity-6859414874376695809-r69l">https://www.linkedin.com/posts/iqe_semiconductors-compoundsemiconductors-qauntimony-activity-6859414874376695809-r69l</a>	59 commented	Scientific Community (Higher Education, Research);Customers ;Investors ;General public;	0	0

## Annex III. Participation in Communication activities

Name and Last name	Institution	Type of event	Type of attendance	QUantimony or external event	Name of activity	Date and duration of the activity	Description	Link	attendants to the event	type of public	budget spent
Gizem Acar	ULANC	Participation to a conference	Oral	External activity	Semiconductor and Integrated OptoElectronics (SIOE) Conference	12/04/2022-3days	I gave a talk about my project. The title was "Telecoms-wavelength LEDs: Combining GaSb quantum rings and Bragg (anti) reflectors for enhanced emission".	<a href="https://www.cardiff.ac.uk/conferences/sioe-conference">https://www.cardiff.ac.uk/conferences/sioe-conference</a>	200	Scientific Community ;	700
Jose Llorens	CSIC-IMN	Participation to a workshop	Oral	External activity	14th Annual Meeting Photonic Devices (AMPD)	28/04/2022 - 2	The Zuse Institut Berlin gathers every year experts and colleagues on advanced topics related to photonic devices. We presented our latest results on the design of a microcavity to enhance the emission of single-photon sources. The application is in the field of quantum photonic technologies.	<a href="https://www.zib.de/workshop-photonic-devices/">https://www.zib.de/workshop-photonic-devices/</a>	70	Scientific Community ; Industry;	0
Borislav Petrovic	UWUE	Participation to a conference	Oral	External activity	DGKK/DEMBE	16.08.2022-3 days	Oral presentation of "InAsSb/GaAsSb/InAsSb W-shaped quantum wells for Interband Cascade Lasers"	<a href="https://www.uni-bremen.de/ifp/dgkk-dembe-2022">https://www.uni-bremen.de/ifp/dgkk-dembe-2022</a>	120	Scientific Commur	352

## Annex IV. Participation in outreach activities

Name and Last name	Institution	Type of event	Type of attendance	Quantimony or external event	Name of activity	Date and duration of the activity	Description	Link	attendants to the event	type of public	budget spent
Anh-Luan Phan	UNITOV	Participation to an outreach activity (i.e. European Researchers Night, Pint of Science, Science Week, 3MT, MSCA Ambassadors, Women and girls in science)	Attendance/networking;	External activity	European Researchers Showcase	24/09/21-2 days	European Research Showcase, which was one of the activities of the European Researchers Night, by submitting a short video with funny the European Researchers' Night is a Europe-wide public event, which displays the diversity of science and its impact on citizens' daily lives in fun, inspiring ways.	<a href="https://erintersections.org/">https://erintersections.org/</a>	40	General public;C	0
Xiuxin Xia	ULANC	Participation to an outreach activity (i.e. European Researchers Night, Pint of Science, Science Week, 3MT, MSCA Ambassadors, Women and girls in science)	Poster	External activity	2021 European Researchers' Night	9/24/2021 - 1 day	Participating, giving short broad public oriented video about my research. Uploaded to Instagram page.	<a href="https://ec.europa.eu/research/mariecurieactions/even/2021-european-researchers-night">https://ec.europa.eu/research/mariecurieactions/even/2021-european-researchers-night</a>	N/A	General public;	N/A
Borislav Petrovic	UWUE	Participation to an outreach activity (i.e. European Researchers Night, Pint of Science, Science Week, 3MT, MSCA Ambassadors, Women and girls in science)	Oral	External activity	European Research Night- Intersections	09/24/21 - 2 days	Webinar about post doctoral careers of former MSCA fellows from Western Balkans aiming to help in getting to know possible prospective opportunities	<a href="https://www.vita.e.ac.uk/events/ip-for-research-events-2022/booking-form-IPO-live-lectures-2022">https://www.vita.e.ac.uk/events/ip-for-research-events-2022/booking-form-IPO-live-lectures-2022</a>	70	General public;	0
Borislav Petrovic	UWUE	Participation to an outreach activity (i.e. European Researchers Night, Pint of Science, Science Week, 3MT, MSCA Ambassadors, Women and girls in science)	Attendance/networking	External activity	IPO Live Lectures 2022	24.02.2022, 1 day	Participated with supervisors and Quantimony PM to an interview with the CSIC press office for the digital CSIC press journal.	<a href="https://www.mariecuriealumni.eu/news/mca-around-world-webinar-3">https://www.mariecuriealumni.eu/news/mca-around-world-webinar-3</a>	30	Scientific Comm	0
Borislav Petrovic	UWUE	Participation to an outreach activity (i.e. European Researchers Night, Pint of Science, Science Week, 3MT, MSCA Ambassadors, Women and girls in science)	Attendance/networking	External activity	MCAA Around the World Webinar Series	11.02.2022, 1 day	Participated with supervisors and Quantimony PM to an interview with the CSIC press office for the digital CSIC press journal.	<a href="https://www.mariecuriealumni.eu/news/mca-around-world-webinar-3">https://www.mariecuriealumni.eu/news/mca-around-world-webinar-3</a>	20	General public;S	0
Malte Schwarz	UPM	Contribution to ESR Blog					Participated with supervisors and Quantimony PM to an interview with the CSIC press office for the digital CSIC press journal.		0	General public;S	0
Giulio Barbieri	CSIC-IMN	Interview	Oral	External activity	Interview	29/03/22 - 1 day	Participated with supervisors and Quantimony PM to an interview with the CSIC press office for the digital CSIC press journal.	Upcoming		Scientific Community ;	0
Benito Alén	CSIC-IMN	Participation to an outreach activity (i.e. European Researchers Night, Pint of Science, Science Week, 3MT, MSCA Ambassadors, Women and girls in science)	Oral	External activity	Interview for the CSIC H2020 magazine	29/03/22 1d	gave an interview for the H2020 magazine of the CSIC to talk about Quantimony and impact of its scientific and training activities	Not yet	5	General public;Media ;	0

## Annex V. Google & Twitter Analytics

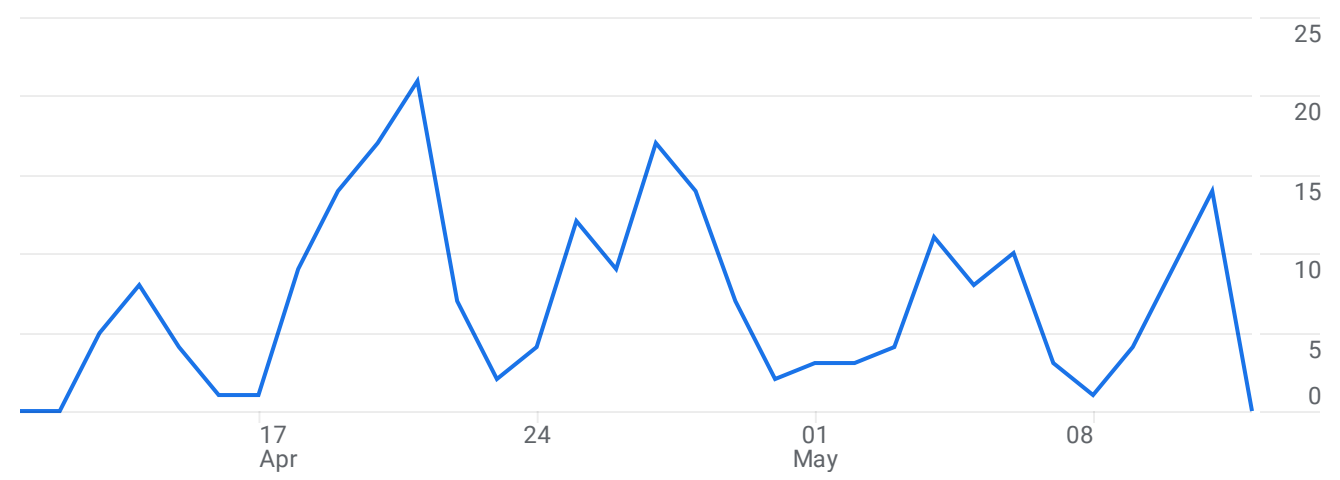
The following pages gather the full reports on the traffic and use of the website and the twitter account of the project.

# Reports snapshot ✔

Custom 11 Apr - 12 May 2022

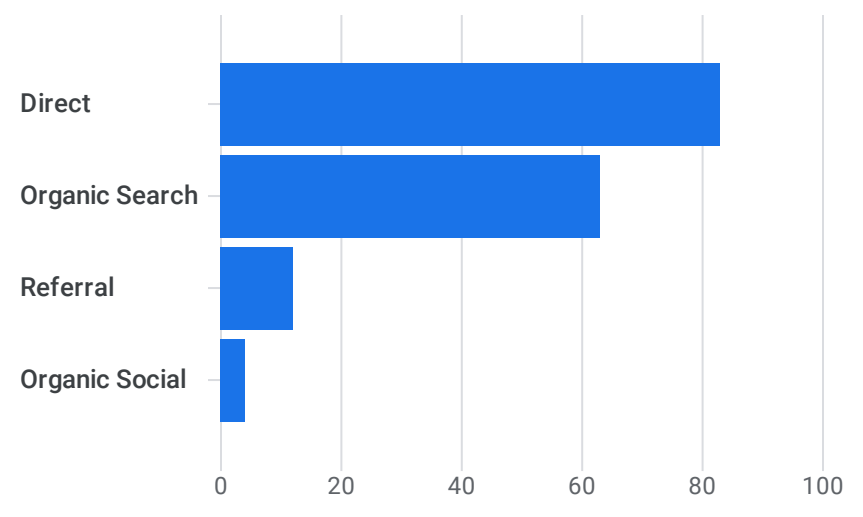
**A** All Users Add comparison +

**Users**      **New users**      **Average engagement time** ?      **Total revenue** ?  
**163**      **162**      **2m 22s**      **€0.00**



## WHERE DO YOUR NEW USERS COME FROM?

New users by First user default channel grouping



[View user acquisition](#) →

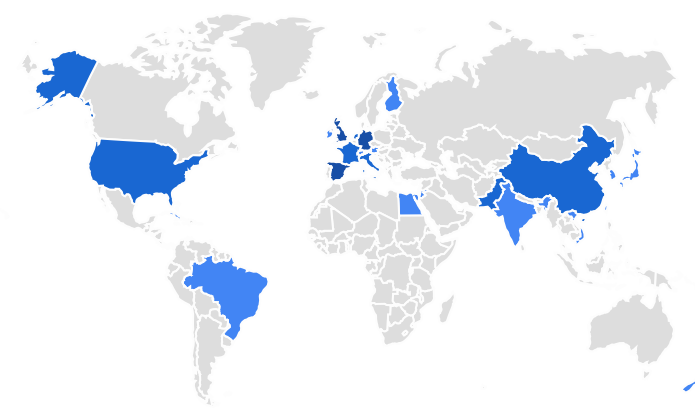
## WHAT ARE YOUR TOP CAMPAIGNS?

Sessions by Session default channel grouping

SESSION DEFAULT CHANNEL G...	SESSIONS
Direct	172
Organic Search	108
Referral	14
Organic Social	5
Unassigned	2

[View traffic acquisition](#) →

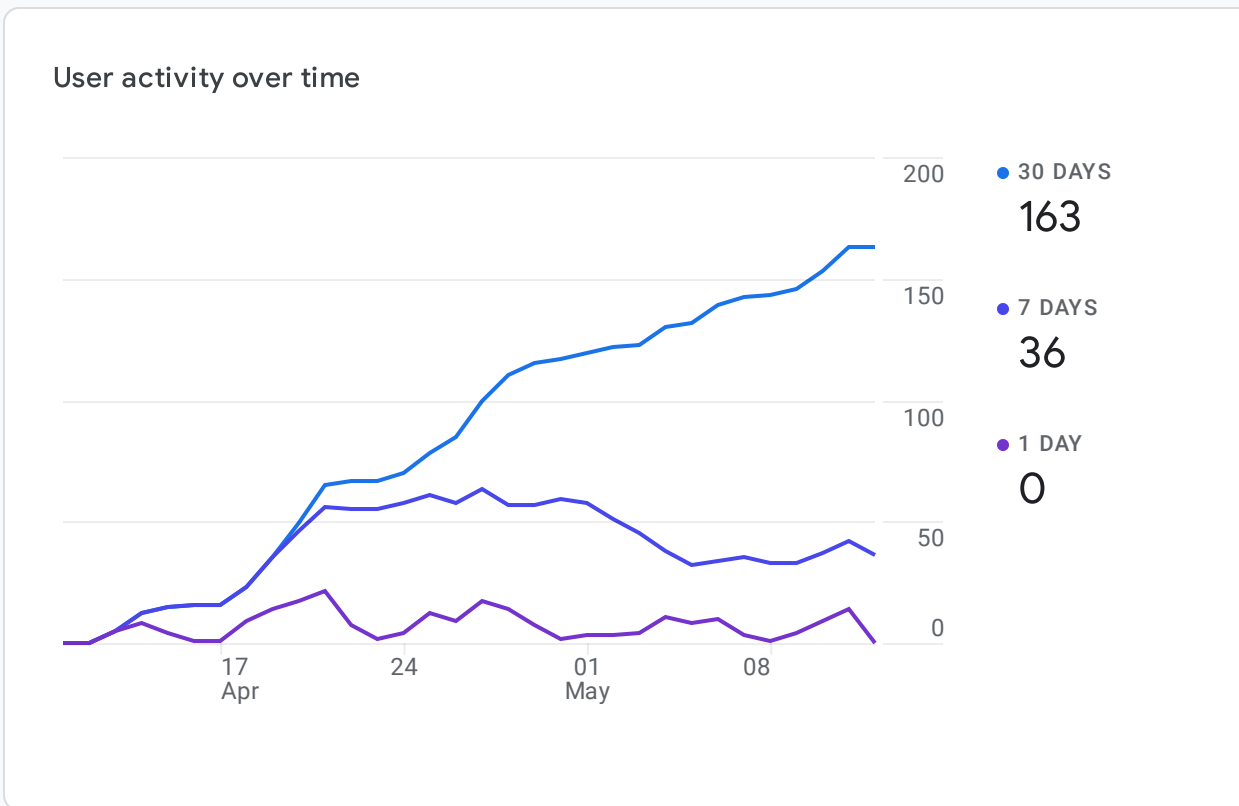
Users by Country



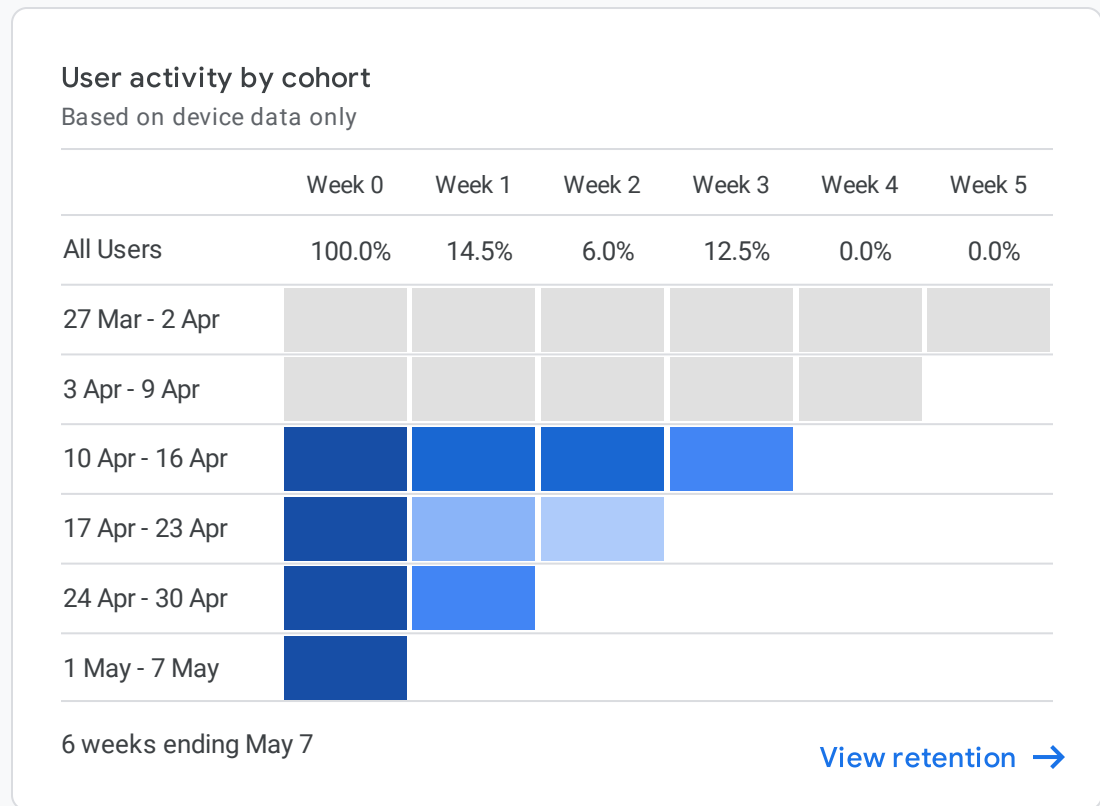
COUNTRY	USERS
United Kingdom	50
Spain	26
Germany	17
China	16
United States	13
Netherlands	9
France	7

[View countries](#) →

HOW ARE ACTIVE USERS TRENDING?



HOW WELL DO YOU RETAIN YOUR USERS?



WHICH PAGES AND SCREENS GET THE MOST VIEWS?

### Views by Page title and screen class

PAGE TITLE AND SCREEN CLASS	VIEWS
<a href="#">· Quantimony</a>	467
<a href="#">Quantimony · Trai...nductor materials</a>	278
<a href="#">People · Quantimony</a>	171
<a href="#">Dissemination · Quantimony</a>	138
<a href="#">The Consortium · Quantimony</a>	89
<a href="#">Outreach · Quantimony</a>	62
<a href="#">Project · Quantimony</a>	58

[View pages and screens →](#)

WHAT ARE YOUR TOP EVENTS?

### Event count by Event name

EVENT NAME	EVENT COUNT
<a href="#">page_view</a>	1.3K
<a href="#">user_engagement</a>	1.2K
<a href="#">scroll</a>	360
<a href="#">session_start</a>	299
<a href="#">first_visit</a>	162
<a href="#">file_download</a>	26
<a href="#">click</a>	17

[View events →](#)

WHAT ARE YOUR TOP CONVERSIONS?

### Conversions by Event name

EVENT NAME	CONVERSIONS
No data available	

[View conversions →](#)

WHAT ARE YOUR TOP SELLING PRODUCTS?

E-commerce purchases by Item name

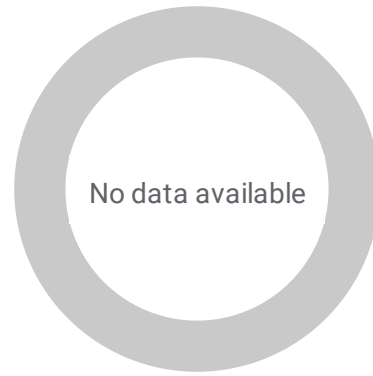
ITEM NAME      E-COMMERCE PUR...

No data available

[View items →](#)

HOW DOES ACTIVITY ON YOUR PLATFORMS COMPARE?

Conversions ▼ by Platform



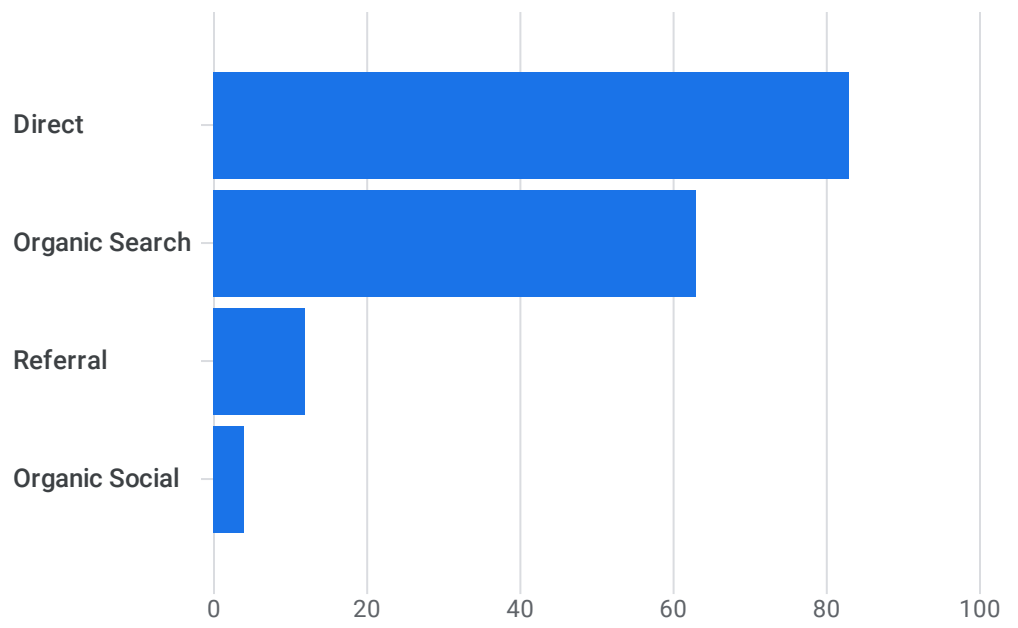
[View tech details →](#)

User acquisition: First user default channel grouping ✓

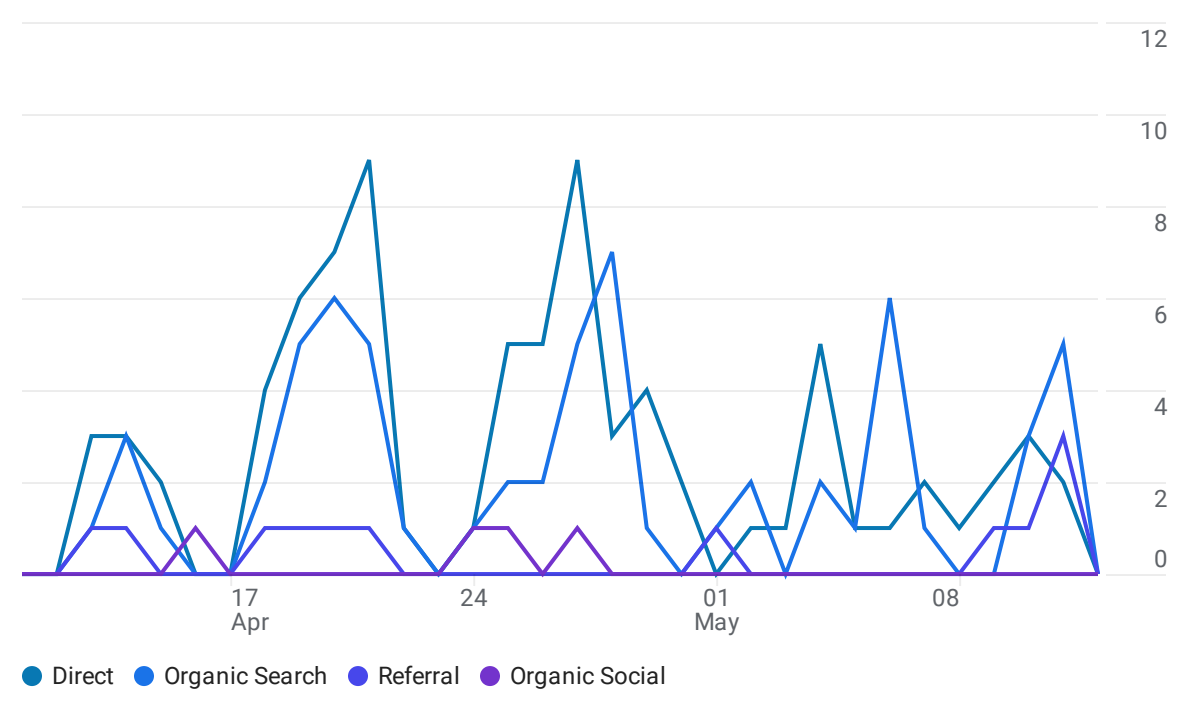
Custom 11 Apr - 12 May 2022

All Users Add comparison +

New users by First user default channel grouping



New users by First user default channel grouping over time



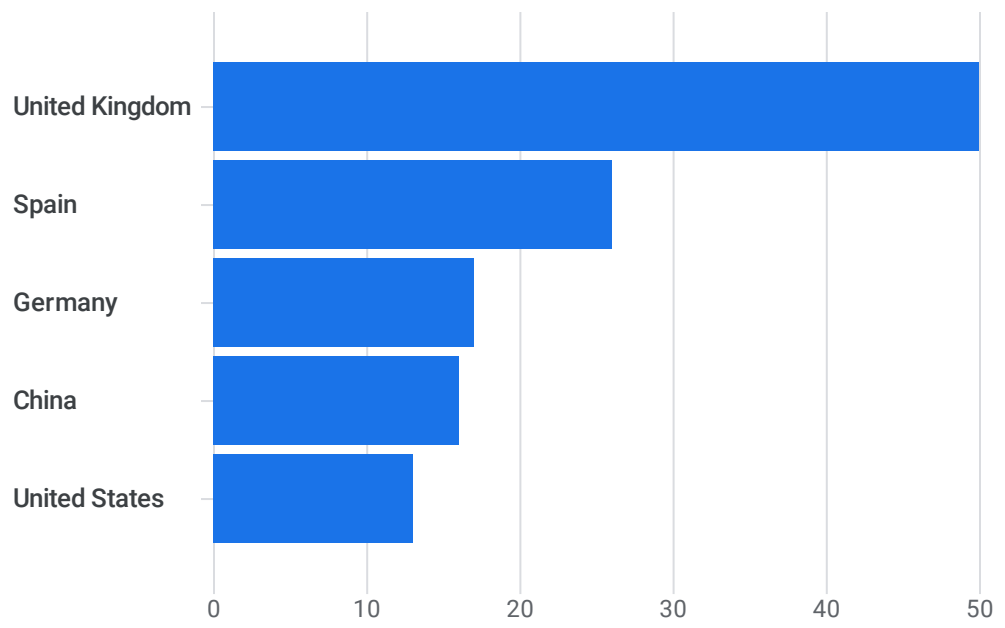
Search...		Rows per page: 10					1-4 of 4
First user default channel grouping	↓ New users	Engaged sessions	Engagement rate	Engaged sessions per user	Average engagement time	Event count	
<b>Totals</b>	<b>162</b> 100% of total	<b>199</b> 100% of total	<b>66.11%</b> Avg 0%	<b>1.22</b> Avg 0%	<b>2m 22s</b> Avg 0%	<b>3,433</b> 100% of total	
1 <b>Direct</b>	83	118	65.19%	1.40	3m 03s	2,442	
2 <b>Organic Search</b>	63	66	65.35%	1.05	1m 17s	769	
3 <b>Referral</b>	12	12	85.71%	1.00	3m 36s	189	
4 <b>Organic Social</b>	4	3	60%	0.75	1m 17s	33	

Demographic details: Country ✓ ▾

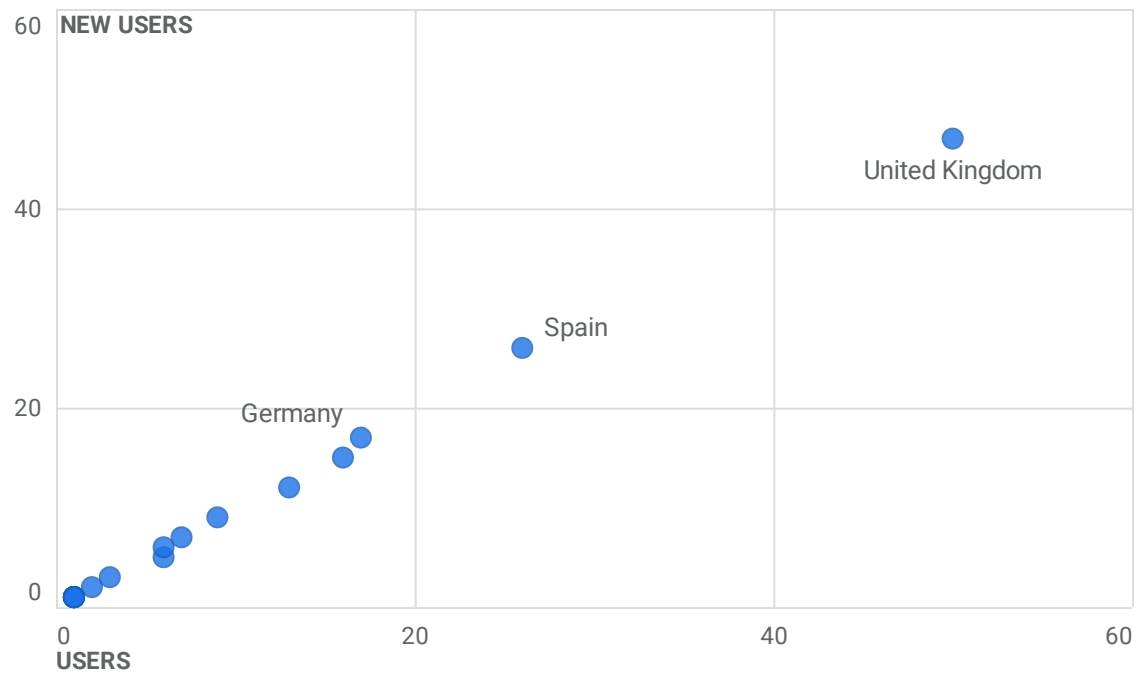
Custom 11 Apr - 12 May 2022 ▾

**A** All Users Add comparison +

Users by Country



Users and New users by Country



Search... Rows per page: 10 ▾ Go to: 1 < 1-10 of 24 >

Country ▾	+	↓ Users	New users	Engaged sessions	Engagement rate	Engaged sessions per user	Average engagement time	Event count <u>All events</u> ▾
<b>Totals</b>		<b>163</b> 100% of total	<b>162</b> 100% of total	<b>199</b> 100% of total	<b>65.89%</b> Avg 0%	<b>1.22</b> Avg 0%	<b>2m 22s</b> Avg 0%	<b>3,433</b> 100% of total
1	<b>United Kingdom</b>	50	47	58	65.17%	1.16	1m 47s	1,016
2	<b>Spain</b>	26	26	73	76.04%	2.81	7m 19s	1,485
3	<b>Germany</b>	17	17	14	51.85%	0.82	0m 37s	172
4	<b>China</b>	16	15	6	33.33%	0.38	2m 33s	165
5	<b>United States</b>	13	12	5	31.25%	0.38	1m 00s	92
6	<b>Netherlands</b>	9	9	9	75%	1.00	0m 53s	105
7	<b>France</b>	7	7	9	69.23%	1.29	1m 57s	164
8	<b>Italy</b>	6	5	6	85.71%	1.00	1m 10s	65
9	<b>Pakistan</b>	6	6	6	100%	1.00	0m 20s	32
10	<b>India</b>	3	3	2	66.67%	0.67	1m 18s	47

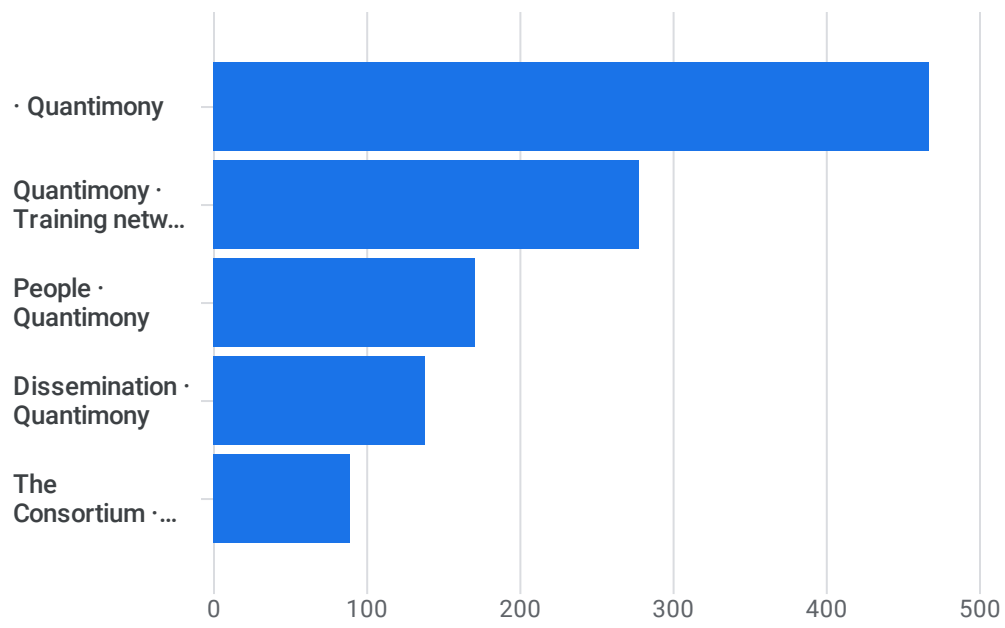


Pages and screens: Page title and screen class ✓

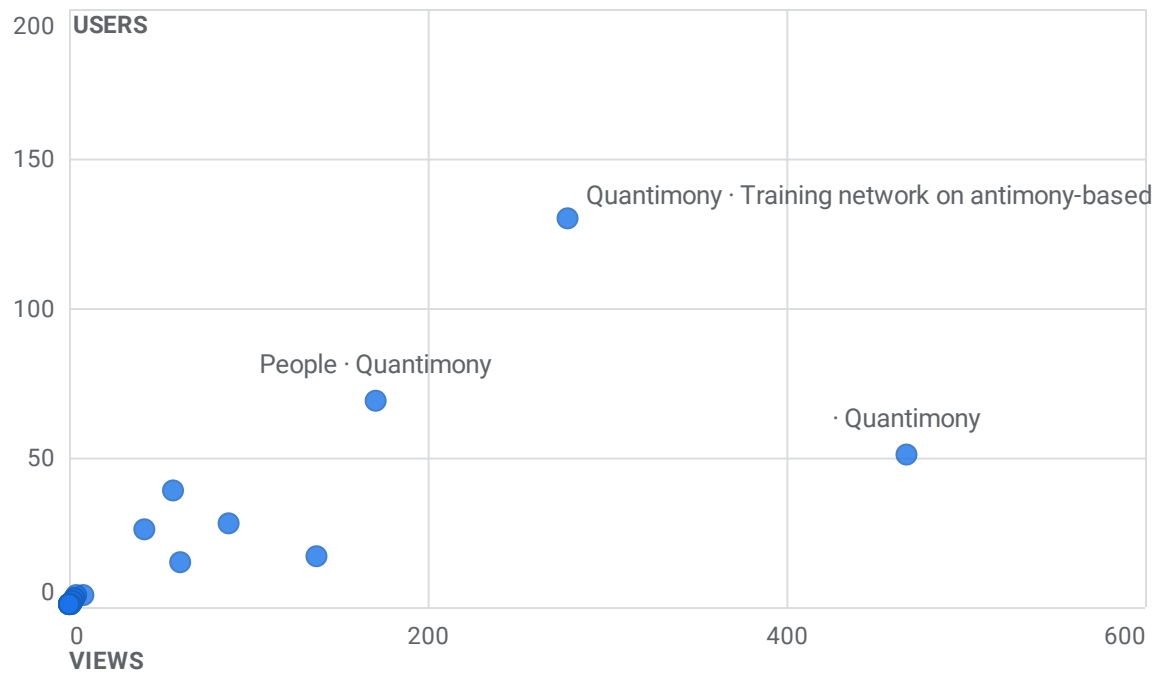
Custom 11 Apr - 12 May 2022

All Users Add comparison +

Views by Page title and screen class



Views and Users by Page title and screen class



Search...

Rows per page: 10 Go to: 1 < 1-10 of 25 >

Page title and screen class	Views	Users	New users	Views per user	Engagement
Totals	1,332 100% of total	163 100% of total	162 100% of total	8.17 Avg 0%	
1 · Quantimony	467	51	12	9.16	
2 Quantimony · Training network on antimony-based semiconductor materials	278	130	122	2.14	
3 People · Quantimony	171	69	16	2.48	
4 Dissemination · Quantimony	138	17	1	8.12	
5 The Consortium · Quantimony	89	28	1	3.18	
6 Outreach · Quantimony	62	15	0	4.13	
7 Project · Quantimony	58	39	2	1.49	
8 News & Events · Quantimony	42	26	1	1.62	
9 Nextnano GmbH · Quantimony	8	4	0	2.00	
10 Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC) · Quantimony	4	4	0	1.00	



# Annex X. Twitter Analytics for Reporting period 1

May 2022 • 11 days so far...

## TWEET HIGHLIGHTS

### Top Tweet earned 235 impressions

Some highlights from our 1st AAB meeting at [@LancasterUni](#). Thanks to our hosts [@LancUniPhysics](#) for successfully managing a hybrid online/in person event and for inspiring lab visits & guest speakers talks!

[@MSCActions](#) [#H2020](#) [#semiconductors](#) [#PhD](#) [pic.twitter.com/5ea0ml8RiT](https://pic.twitter.com/5ea0ml8RiT)



3 replies 6 likes

[View Tweet activity](#)

[View all Tweet activity](#)

### Top Follower followed by 2 people



**quantumrabbi**

[@quantumrabbi](#) FOLLOWS YOU

Because science and religion are an entangled pair. Promoting listening over silence, information over noise, questions as answers, and equality within dissent.

[View profile](#)

### Top mention earned 3 engagements

 **Dr Katy R Mahoney**  
[@researchercoach](#) · Apr 21

Responsible research ethics. Explaining what this means to us as researchers.  
[@quantimony](#) [#creativeHE](#)  
[pic.twitter.com/9BpDGSQk59](https://pic.twitter.com/9BpDGSQk59)



3 replies 6 likes

[View Tweet](#)

### Tweets with photos get noticed



It's true. Tweets with images drive more engagement and generate more responses.

[Learn how to share a photo](#)

## ADVERTISE ON TWITTER

### Get your Tweets in front of more people



Promoted Tweets and content open up your reach on Twitter to more people.

[Get started](#)

## MAY 2022 SUMMARY

Tweets  
1

Tweet impressions  
295

Profile visits  
198

New followers  
2

Apr 2022 • 30 days

TWEET HIGHLIGHTS

**Top Tweet** earned 132 impressions

UPCOMING EVENT!

Our 1st Transferable Skills & AAB meeting at [@LancasterUni](#) is ready. With trainings for #PhD from [@Vitae\\_news](#)

[@researchercoach](#) and guest speakers Prof T Wang [@sheffielduni](#), Dr A Marshall [@LancUniPhysics](#) & Prof M Wale [@ucl](#)

More here: [rb.gy/xxuoz1](https://rb.gy/xxuoz1)

[#MSCA](#) [pic.twitter.com/bo0vy3xPDK](https://pic.twitter.com/bo0vy3xPDK)



Transferable Skills training & AAB Meeting

Lancaster University  
20-22 April, 2022

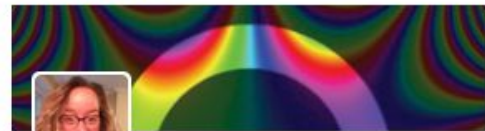


↻ 1   ♥ 5

View Tweet activity

View all Tweet activity

**Top Follower** followed by 1,953 people



**Dr Laura Clark**

[@beamsontoast](#) FOLLOWS YOU

Marie Skłodowska-Curie fellow [@LEMAS\\_UK](#) [@UniversityLeeds](#), developing computational imaging techniques for S/TEM. Visiting researcher [@OxfordMaterials](#) Own views.

View profile

**Top mention** earned 44 engagements



**Richard Beanland**

[@RichBean0](#) · Apr 24

Excellent [@quantimony](#) meeting at [@LancUniPhysics](#) last week, where they have some serious plumbing skills [pic.twitter.com/bs3gwCNew9](https://pic.twitter.com/bs3gwCNew9)



↻ 1   ↻ 1   ♥ 12

View Tweet

APR 2022 SUMMARY

Tweets

1

Tweet impressions

454

Profile visits

768

Mentions

2

New followers

3

Mar 2022 • 31 days

TWEET HIGHLIGHTS

**Top Tweet** earned 138 impressions

Ready for our 1st Industry Day on March 18, hosted by [#AIXTRON](#)

Industry experts from [@amsOSRAM](#)

[@LayTec](#) & partners [#nextnanolab](#)

[@bruker](#) [@FluximAG](#) [@LancsMA](#)

[@QuantCad](#) & [#nanoplus](#) will talk about

current work and challenges

more here: [bit.ly/34qhrv1](https://bit.ly/34qhrv1)

[#semiconductors](#) [#H2020](#)

🔗 3 ❤️ 4

[View Tweet activity](#)

[View all Tweet activity](#)

Feb 2022 • 28 days

TWEET HIGHLIGHTS

**Top Tweet** earned 159 impressions

Congrats to our consortium member Gema

Martínez Criado from [@icmmcsic](#) on the

publication of a paper in [@ISES\\_Solar](#)

Read here

[doi.org/10.1016/j.sole...](https://doi.org/10.1016/j.sole...)

It proposes improvements to an empirical model for photovoltaic performance.

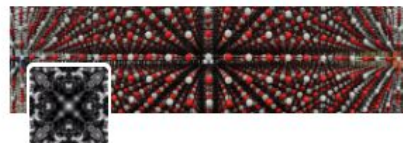
[#DiaDeLaMujeryLaNiñaEnLaCiencia](#)  
[#H2020](#)

🔗 1 ❤️ 2

[View Tweet activity](#)

[View all Tweet activity](#)

**Top Follower** followed by 180 people



**Richard Beanland**

[@RichBean0](#) [FOLLOWS YOU](#)

Likes mucking about with atoms, crystals and diffraction, using electrons mainly

[View profile](#)

MAR 2022 SUMMARY

Tweets

1

Tweet impressions

247

Profile visits

235

New followers

0

FEB 2022 SUMMARY

Tweets

3

Tweet impressions

481

Profile visits

1,064

New followers

7

TWEET HIGHLIGHTS

**Top Tweet** earned 130 impressions

Thanks @Uni\_WUE for making our first in person event happen! 🇪🇺

The 1st Annual III Sb Workshop featured presentations from our #ESR and workshops from experts @StefanBirner1 @nextnano\_GmbH, Martin Kampf & Michael Heuken

📅 Coming next: Industry Day at #AIXTRON #MSCA #H2020  
[pic.twitter.com/ESamSzVgN7](https://pic.twitter.com/ESamSzVgN7)



🔄 2 ❤️ 9

[View Tweet activity](#)

[View all Tweet activity](#)

**Top Follower** followed by 990K people



**CSIC**

@CSIC [FOLLOWS YOU](#)

Consejo Superior de Investigaciones Científicas (CSIC), el mayor organismo público de investigación de España. Spanish National Research Council.

[View profile](#)

**Top mention** earned 114 engagements

**CSIC**  
@CSIC · Jan 21

El CSIC coordina una red internacional de investigaciones en semiconductores cuánticos para la industria. La red @Quantimony, dotada con 3,7 millones de euros por la UE, desarrollará materiales y dispositivos semiconductores cuánticos basados en antimonio

[bit.ly/3fKoTgE](https://bit.ly/3fKoTgE)  
[pic.twitter.com/x4d09AHyVe](https://pic.twitter.com/x4d09AHyVe)



🔄 2 🔄 12 ❤️ 25

[View Tweet](#)

JAN 2022 SUMMARY

Tweets

3

Tweet impressions

255

Profile visits

501

Mentions

7

New followers

6

TWEET HIGHLIGHTS

**Top mention** earned 3 engagements



**LancasterPressOffice**

@LancasterPress · Dec 14

Our [@LancUniPhysics](#)  
[@Lancsuniscitech](#) is to train early stage  
researchers in semiconductor sciences via  
[@Quantimony](#)  
[lancaster.ac.uk/news/lancaster...](http://lancaster.ac.uk/news/lancaster...)

🔗 1 ❤️ 1

[View Tweet](#)

DEC 2021 SUMMARY

Tweet impressions  
**64**

Profile visits  
**137**

Mentions  
**1**

New followers  
**-1**

TWEET HIGHLIGHTS

**Top Tweet** earned 98 impressions

We are celebrating! 🎉🎉 Our hiring process  
is finished and 14 [#MSCA](#) fellows have  
joined our consortium's institutions to start  
their [#PhD](#) 🎓

Meet our research teams at [↓](#)

[quantimony.eu/people/](http://quantimony.eu/people/)

[#quantum](#) [#semiconductors](#) [#H2020](#)

[pic.twitter.com/AQVuPutwye](https://pic.twitter.com/AQVuPutwye)



🔗 1 ❤️ 2

NOV 2021 SUMMARY

Tweets  
**1**

Tweet impressions  
**187**

Profile visits  
**383**

New followers  
**1**

Oct 2021 • 31 days

TWEET HIGHLIGHTS

Sep 2021 • 30 days

TWEET HIGHLIGHTS

**Top Follower** followed by 29 people



**Ali Büyükpınar**

@BuyukpinarA FOLLOWS YOU

[View profile](#)

Aug 2021 • 31 days

TWEET HIGHLIGHTS

**Top Follower** followed by 98 people



**Gizem**

@thegizce FOLLOWS YOU

Research Associate, Marie Curie ESR @LancasterUni  
@METU\_ODTU Alumni | @sabanciu Alumni #physics  
#semiconductortechnology #quantum  
#nanotechnology

OCT 2021 SUMMARY

Tweet impressions  
**86**

Profile visits  
**13**

New followers  
**0**

SEP 2021 SUMMARY

Tweet impressions  
**90**

Profile visits  
**49**

New followers  
**1**

AUG 2021 SUMMARY

Tweet impressions  
**187**

Profile visits  
**111**

New followers  
**1**

Jul 2021 • 31 days

TWEET HIGHLIGHTS

**Top Follower** followed by 98 people



**Gizem**

@thegizce FOLLOWS YOU

Research Associate, Marie Curie ESR @LancasterUni  
@METU\_ODTU Alumni | @sabanciu Alumni #physics  
#semiconductortechnology #quantum  
#nanotechnology

[View profile](#)

JUL 2021 SUMMARY

Tweet impressions

174

Profile visits

98

New followers

2

Jun 2021 • 30 days

TWEET HIGHLIGHTS

JUN 2021 SUMMARY

Tweet impressions

123

Profile visits

99

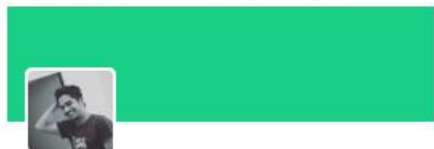
New followers

0

May 2021 • 31 days

TWEET HIGHLIGHTS

**Top Follower** followed by 84 people



**Ayush Rastogi**

@rastogi\_ayush\_ FOLLOWS YOU

[View profile](#)

MAY 2021 SUMMARY

Tweet impressions

348

Profile visits

168

New followers

1

Apr 2021 • 30 days

TWEET HIGHLIGHTS

**Top Tweet** earned 54 impressions

🔔 New [@MSCActions](#) info event on 23 March at 9:00 CET!

With [#MSCA](#) novelties and changes under Horizon Europe [#HorizonEu](#).

More info [1](#)  
[ec.europa.eu/research/marie...](https://ec.europa.eu/research/marie...)  
[twitter.com/MSCActions/sta...](https://twitter.com/MSCActions/sta...)

♥ 2

View Tweet activity

View all Tweet activity

**Top Follower** followed by 212 people



**Caroline Messecar**

[@wordsarethebest](#) [FOLLOWS YOU](#)

Rare earths and electronic metals reporter. RTs not endorsements.

[View profile](#)

APR 2021 SUMMARY

Tweet impressions  
**306**

Profile visits  
**262**

New followers  
**1**

Mar 2021 • 31 days

TWEET HIGHLIGHTS

**Top Tweet** earned 459 impressions

🔔 New [@MSCActions](#) info event on 23 March at 9:00 CET!

With [#MSCA](#) novelties and changes under Horizon Europe [#HorizonEu](#).

More info [1](#)  
[ec.europa.eu/research/marie...](https://ec.europa.eu/research/marie...)  
[twitter.com/MSCActions/sta...](https://twitter.com/MSCActions/sta...)

♥ 2

MAR 2021 SUMMARY

Tweets  
**1**

Tweet impressions  
**1,364**

Profile visits  
**719**

New followers  
**0**

TWEET HIGHLIGHTS

**Top Tweet** earned 36 impressions

@quantimony's call for #PhD applicants in the field of #quantum #semiconductors technology has had massive success and global outreach [📌](#)

We received 348 candidatures from 56 countries, with 29.3% female 👩 presence! @MSCActions quantimony.eu pic.twitter.com/7QbHwKghLY



🔗 1 ❤️ 3

[View Tweet activity](#)

[View all Tweet activity](#)

**Top mention** earned 11 engagements

@quantimony's call for #PhD applicants in the field of #quantum #semiconductors technology has had massive success and global outreach [📌](#)

We received 348 candidatures from 56 countries, with 29.3% female 👩 presence! @MSCActions quantimony.eu pic.twitter.com/7QbHwKghLY



🔗 1 ❤️ 3

[View Tweet activity](#)

[View all Tweet activity](#)

FEB 2021 SUMMARY

Tweets  
1

Tweet impressions  
323

Profile visits  
214

Mentions  
1

New followers  
1

**Top Follower** followed by 121 people



**SHREEEB**

@\_SHREEEB [FOLLOWS YOU](#)

Physics PhD Apatura\_Astro for photography  
<https://t.co/UtxEY4QPni> <https://t.co/y9dyCLc64Q>

[View profile](#)

TWEET HIGHLIGHTS

**Top Follower** followed by 10.8K people



**Postgrado CSIC**

@DPE\_CSIC FOLLOWS YOU

Cuenta oficial Departamento de Postgrado y Especialización (DPE) CSIC. CSIC's Postgraduate and Specialization Department official profile [dpe@csic.es](https://dpe@csic.es) [#BeCSIC](#)

[View profile](#)

**Top mention** earned 10 engagements

**FICYT**

@FICYT · 19 Jan 2021

Red y proyecto de investigación europeo QUANTIMONY coordinado por el [#CSIC](#) y financiada por programa Marie Curie MSCA-ITN-2020 busca 14 candidat@s para realizar tesis doctorales en tecnologías semiconductoras. [@quantimony](#) [@MSCActions](#)

[ficyt.es/listas/detalle...](https://ficyt.es/listas/detalle...)  
[pic.twitter.com/sTIPDhVqDQ](https://pic.twitter.com/sTIPDhVqDQ)



🔄 2 ❤️ 3

[View Tweet](#)

JAN 2021 SUMMARY

Tweet impressions  
**1,193**

Mentions  
**1**

Dec 2020 • 31 days

TWEET HIGHLIGHTS

**Top Tweet** earned 515 impressions

Get involved in the future of Quantum Semiconductors Science and Technology!!!

14 PhD positions in NanoElectronics, NanoMaterials and NanoOptics available in Spain, UK, Germany, the Netherlands and Italy.

Apply at [quantimony.eu/recruitment](https://quantimony.eu/recruitment) until January 31st. [pic.twitter.com/ejZDVBE9n](https://pic.twitter.com/ejZDVBE9n)



🔄 4 ❤️ 4

[View Tweet activity](#)

[View all Tweet activity](#)

**Top Follower** followed by 3,094 people



**Pilar Mestre**

@PilarMestreOr FOLLOWS YOU

Periodista especializada en Sanidad, con especial interés en Salud Pública y Atención Primaria, y en el saber, que no ocupa lugar [#mascarilla](#) en Centro Salud

[View profile](#)

**Top media Tweet** earned 151 impressions

QUANTIMONY (MSCA-ITN Network in Quantum Semiconductor Technologies exploiting Antimony) will provide high-level training to fourteen early stage researchers (ESRs) in the overarching field of III-Sb Semiconductor Science and Technology. Stay tuned!

[cordis.europa.eu/project/id/956...](https://cordis.europa.eu/project/id/956...)  
[pic.twitter.com/iWII7sla0P](https://pic.twitter.com/iWII7sla0P)



🔄 1 ❤️ 3

[View Tweet activity](#)

[View all Tweet activity](#)

DEC 2020 SUMMARY

Tweets  
**2**

Tweet impressions  
**666**

Profile visits  
**1,702**

Mentions  
**1**

New followers  
**2**