

ICANN


61

SAN JUAN

10-15 March 2018

---

COMMUNITY FORUM



By the Numbers

ICANN | PUBLIC MEETINGS

## What is an ICANN Public Meeting?

---

ICANN Public Meetings provide the opportunity for an internationally diverse group of individuals and organizations to come together to discuss and develop policies for the Internet's naming systems.

ICANN's international meetings have been a staple of ICANN's multistakeholder bottom-up consensus-building model since its formation in 1998.

## Why do we publish technical data from ICANN Public Meetings?

---

Just like any other event, ICANN meetings need to innovate, adapt, and evolve to meet their purpose: to support ICANN's multistakeholder model. One of the challenges that conference organizers face is to improve the conference, meeting after meeting, and maximize attendees' engagement and satisfaction.

This is where meeting data comes into play. This data provides reliable information on what attendees want, what ICANN is doing well, and where ICANN has opportunities to improve. By leveraging this data, we can be a stable and transparent organization that is responsive to our community's needs.

For ICANN61, beyond the graphs and charts, we have published the raw data for each area. One of our biggest challenges is to standardize the information that we collect to ensure that data is consistent. Over the past few meetings, we have automated the collection of data through improvements in the registration system and meeting management software. Ultimately, our goal is to continue to improve on our metrics and to provide our community with more valuable data.

If you would like to learn more about ICANN Meetings Technical Services or have questions about this data report, please contact: [meetings@icann.org](mailto:meetings@icann.org).

## Where can I find more information about ICANN Public Meetings?

---

Each meeting has a dedicated website that acts as a broad guide to the conference with details on the venue, information about the local area, a program of social events during the week, and answers to frequently asked questions about ICANN meetings.

To find out how to participate, go to <https://meetings.icann.org/en/about>.

To learn more about the Fellowship Program, go to <http://www.icann.org/en/fellowships>.

For a schedule of past and upcoming meetings, go to <http://meetings.icann.org/calendar>.

For the press page, go to <http://www.icann.org/en/press>.

If you belong to an organization that is interested in having an exhibit at a meeting or in sponsoring a meeting, please contact: [meeting-sponsorship@icann.org](mailto:meeting-sponsorship@icann.org).

## Table of Contents

1. Attendee Profile

---

2. Session Statistics

---

3. Schedule Website and Mobile App Statistics

---

4. Remote Participation Statistics

---

5. General Information

---

6. Network Operations Center

---

7. Network Statistics and Client Profiles

---

8. Appendix

---

# ICANN61 By the Numbers

## Attendee Profile



# Attendee Profile

## Attendee Profile for San Juan, Puerto Rico

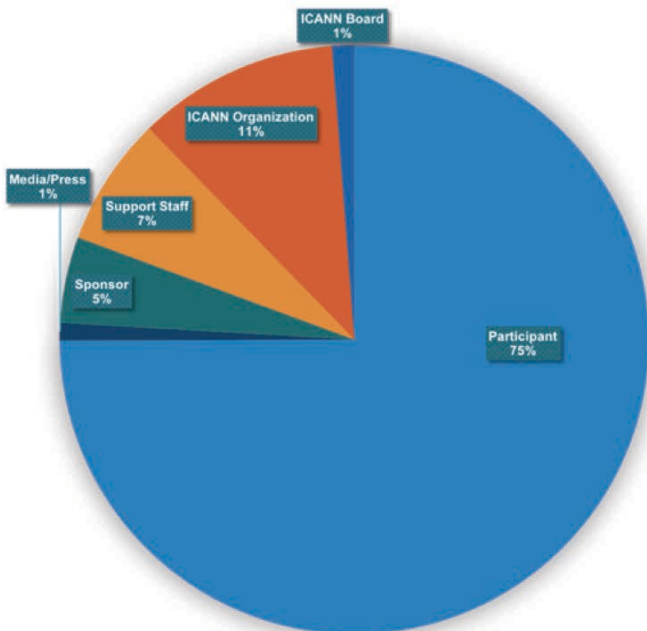
ICANN61 had 1,565 attendees, with 604 coming from the North American region. Of those, 560 participants were attending an ICANN Public Meeting for the first time.

ICANN Public Meetings are a central principle of ICANN's multistakeholder model because they provide a venue for advancing policy work, conducting outreach, exchanging best practices, conducting business deals, interacting with members of the ICANN community, and with ICANN Board and staff, and learning about ICANN.

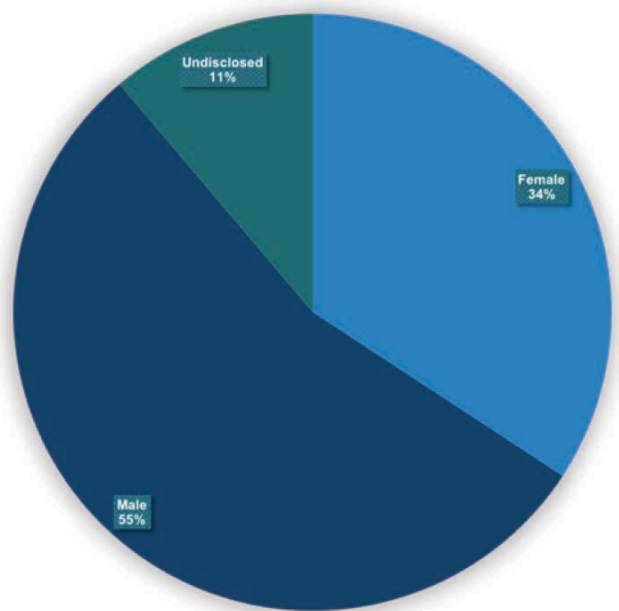
For this section, the attendee profile metrics are derived from data that users provided during the meeting registration process. Attendees were not required to answer all questions.



ICANN61 Attendee Profile by Badge Type

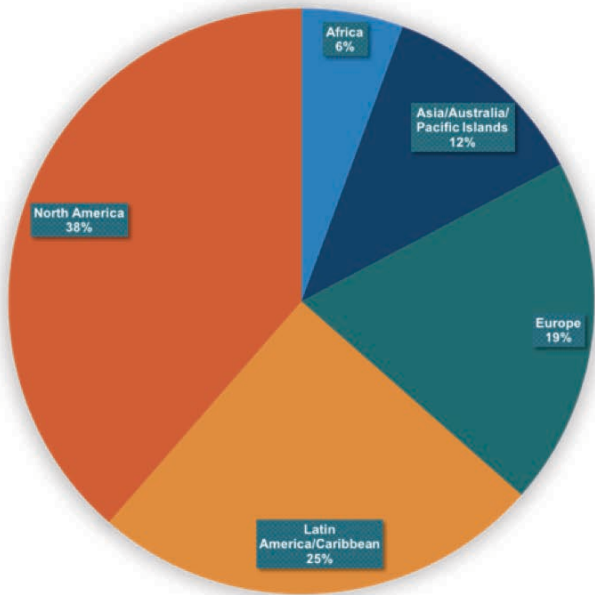


ICANN61 Attendee Profile by Gender

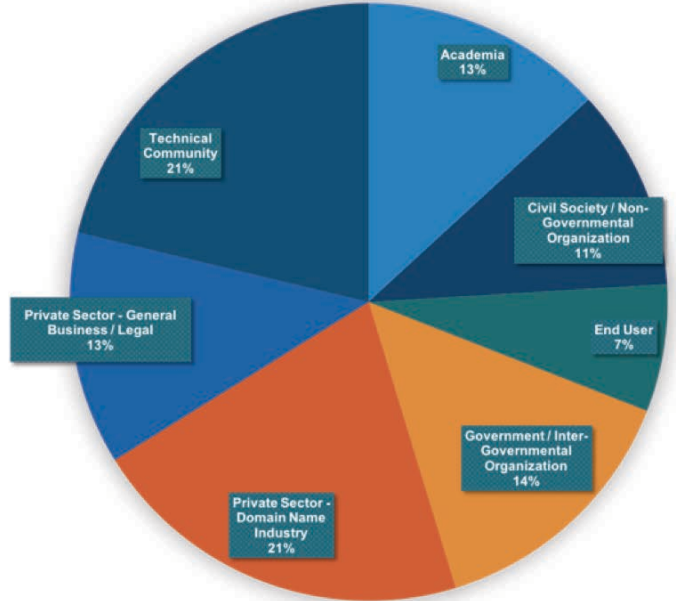


# Attendee Profile

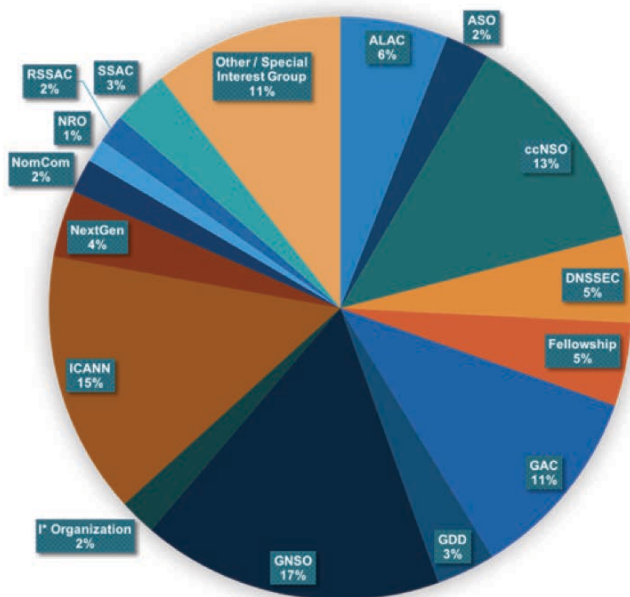
ICANN61 Attendee Profile by ICANN Regions



ICANN61 Attendee Profile by Stakeholder Classification



ICANN61 Attendee Profile by Groups of Interest



- ALAC - At-Large Advisory Committee
- ASO - Address Supporting Organization
- ccNSO - Country Code Names Supporting Organization
- DNSSEC - Domain Name System Security Extensions
- Fellowship Program
- GAC - Governmental Advisory Committee
- GDD - Global Domains Division
- GNSO - Generic Names Supporting Organization
- I\* Organization
- ICANN - Internet Corporation for Assigned Names and Numbers
- NextGen@ICANN
- NomCom - Nominating Committee
- NRO - Number Resource Organization
- RSSAC - Root Server System Advisory Committee
- SSAC - Security and Stability Advisory Committee
- Other / Special Interest Group

# Attendee Profile by Region

## Attendee Profile by ICANN Regions

Geographic diversity is fundamental to the ICANN organization. The ICANN Bylaws (Article VI, Section 5) currently define five geographic regions: Africa, Asia/Australia/Pacific, Europe, Latin America/Caribbean, and North America.

The ICANN geographic regions were originally defined to ensure regional diversity in the composition of the ICANN Board. Subsequently, these definitions were also applied to the Generic Names Supporting Organization (GNSO), At-Large Advisory Committee (ALAC), and the Country Code Names Supporting Organization (ccNSO).

The attendee profile metrics for ICANN61 are derived from data that users provided during the meeting registration process.

Selections are based on the five ICANN geographic regions shown on the map below.

### North America

604 attendees

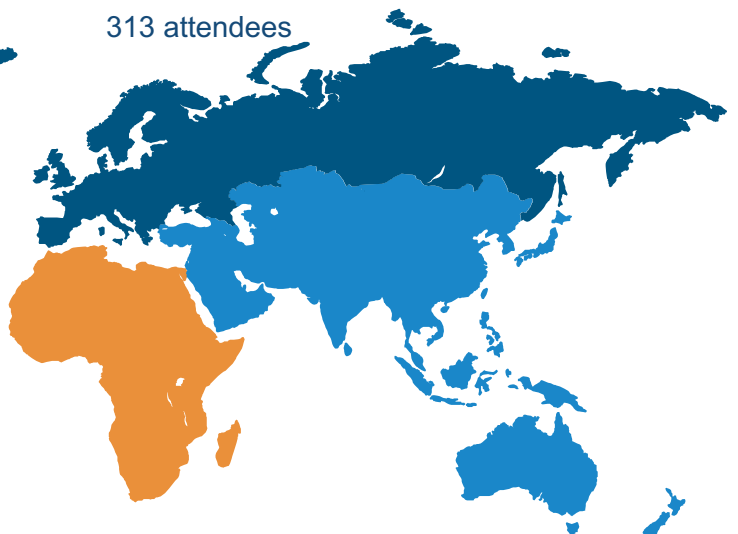


### Latin America/ Caribbean

390 attendees

### Europe

313 attendees



### Africa

88 attendees

### Asia/Australia/ Pacific

170 attendees

# Africa: Regional Attendee Profile

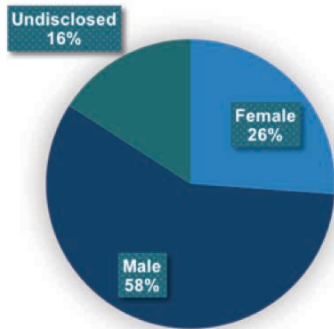
## Attendee Profile for Africa



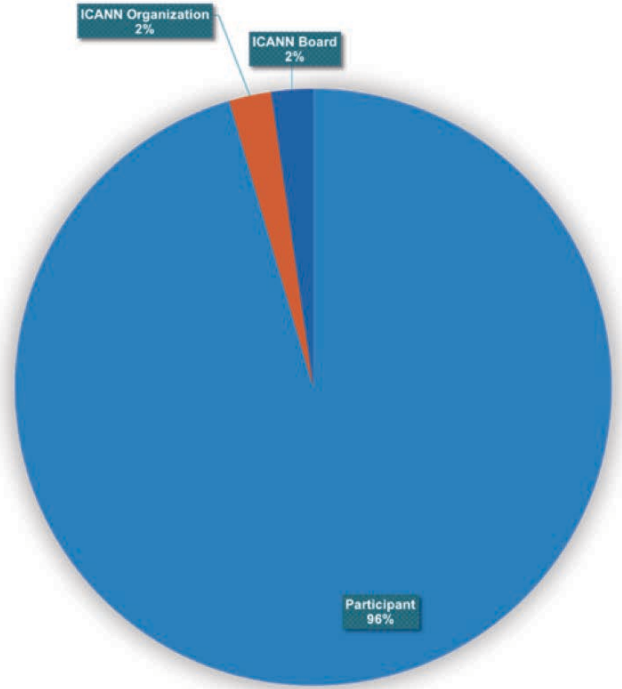
The attendee profile metrics for ICANN61 are derived from data that users provided during the meeting registration process.

**88 Regional Participants**  
**15 Newcomers**

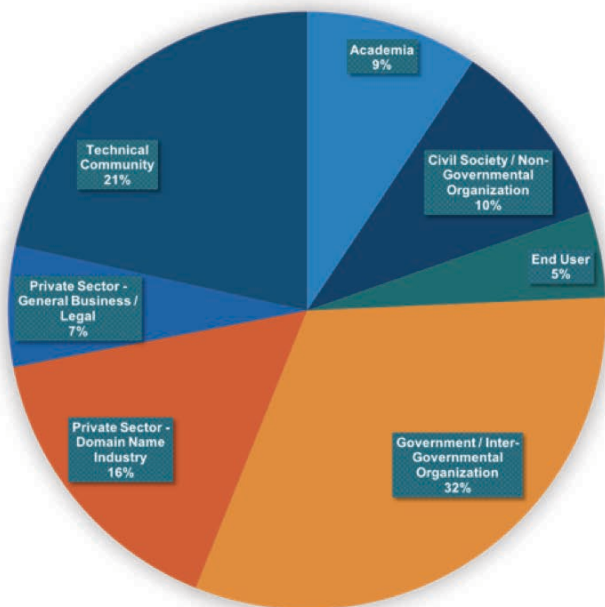
### ICANN61 African Region Attendee Profile by Gender



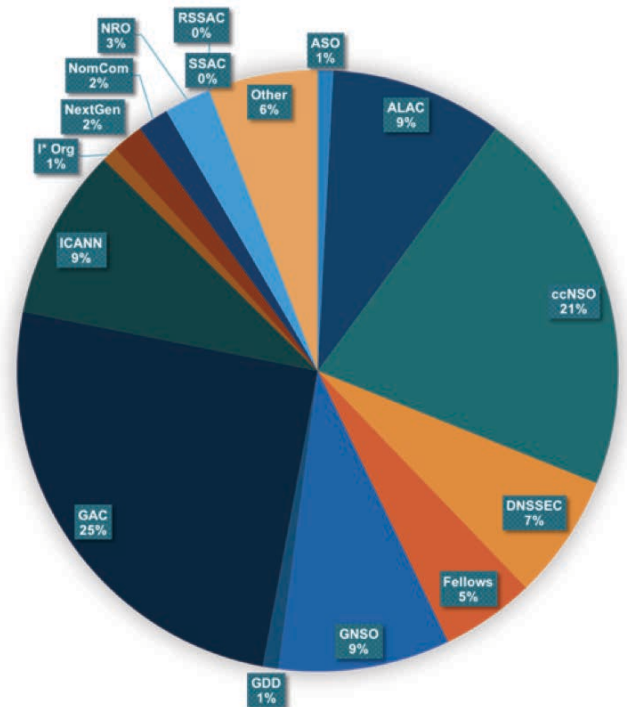
### ICANN61 African Region Attendee Profile by Badge Type



### ICANN61 African Region Attendee Profile by Stakeholder Classification



### ICANN61 African Region Attendee Profile by Groups of Interest





# Asia/Australia/Pacific: Regional Attendee Profile

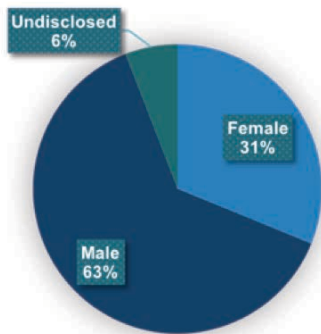


## Attendee Profile for Asia, Australia, and the Pacific

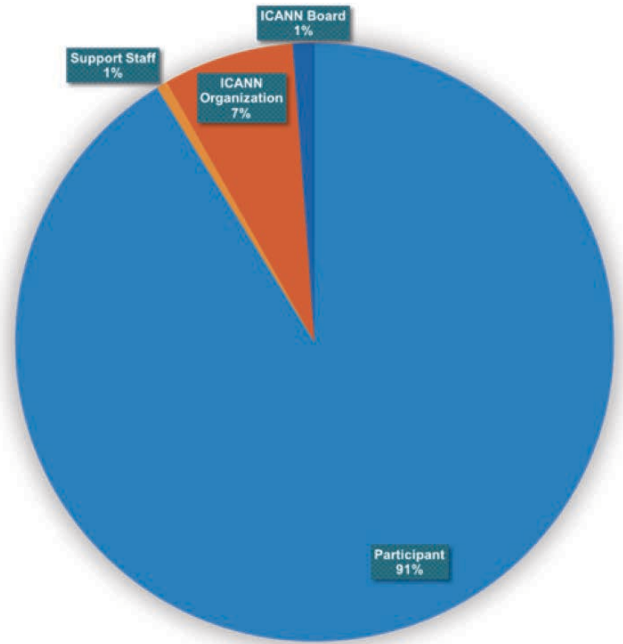
The attendee profile metrics for ICANN61 are derived from data that users provided during the meeting registration process.

**170 Regional Participants**  
**42 Newcomers**

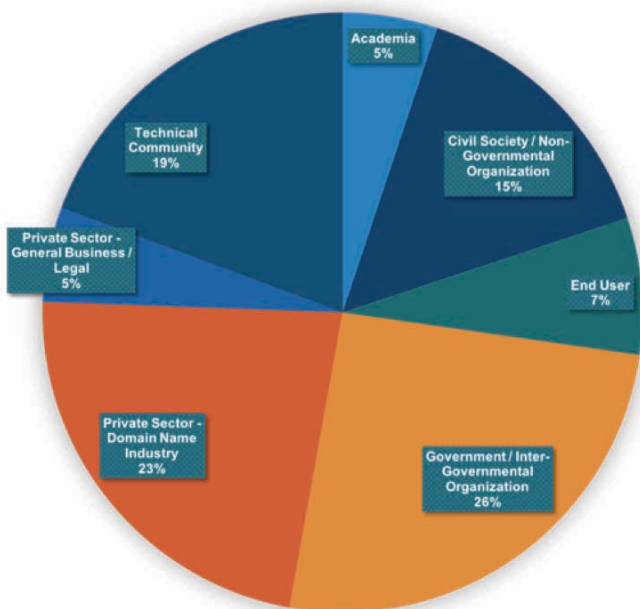
### ICANN61 Asian/Australian/Pacific Region Attendee Profile by Gender



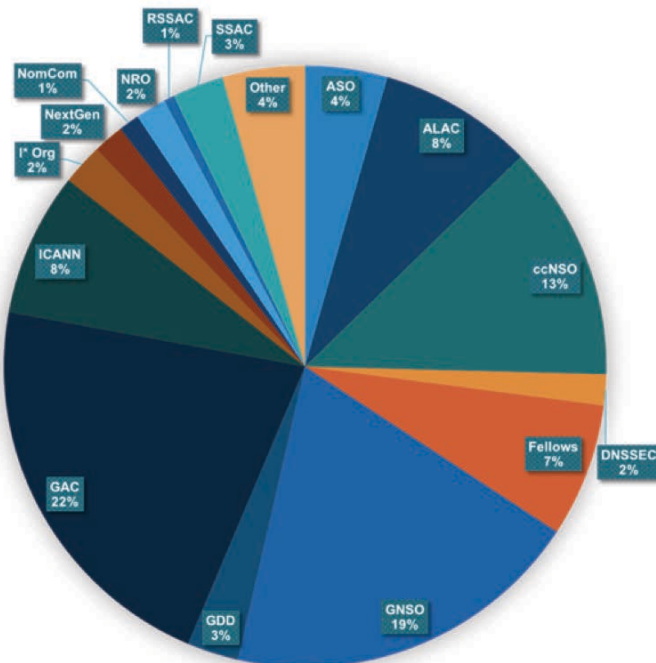
### ICANN61 Asian/Australian/Pacific Region Attendee Profile by Badge Type



### ICANN61 Asian/Australian/Pacific Region Attendee Profile by Stakeholder Classification



### ICANN61 Asian/Australian/Pacific Region Attendee Profile by Groups of Interest



# Europe: Regional Attendee Profile

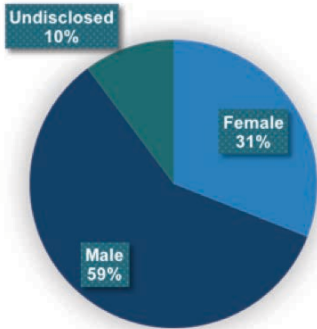


## Attendee Profile for Europe

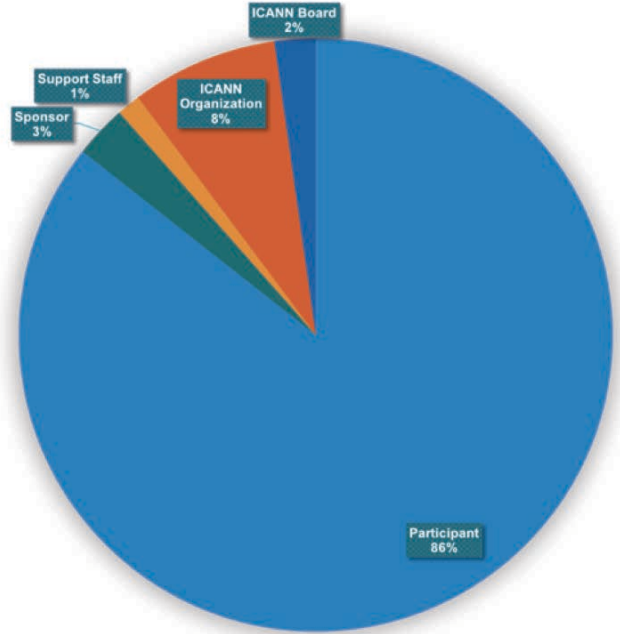
The attendee profile metrics for ICANN61 are derived from data that users provided during the meeting registration process.

**313 Regional Participants**  
**57 Newcomers**

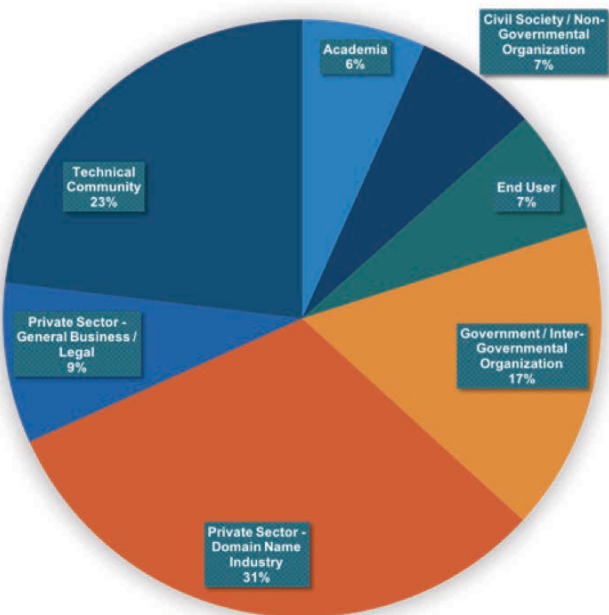
### ICANN61 European Region Attendee Profile by Gender



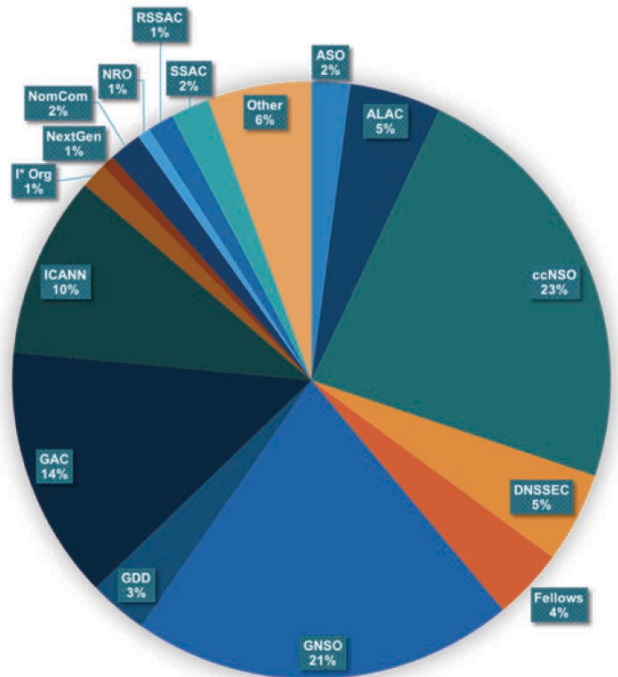
### ICANN61 European Region Attendee Profile by Badge Type



### ICANN61 European Region Attendee Profile by Stakeholder Classification



### ICANN61 European Region Attendee Profile by Groups of Interest



# Latin America/Caribbean: Regional Attendee Profile

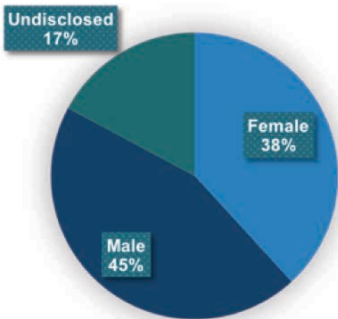
## Attendee Profile for Latin America and Caribbean Islands



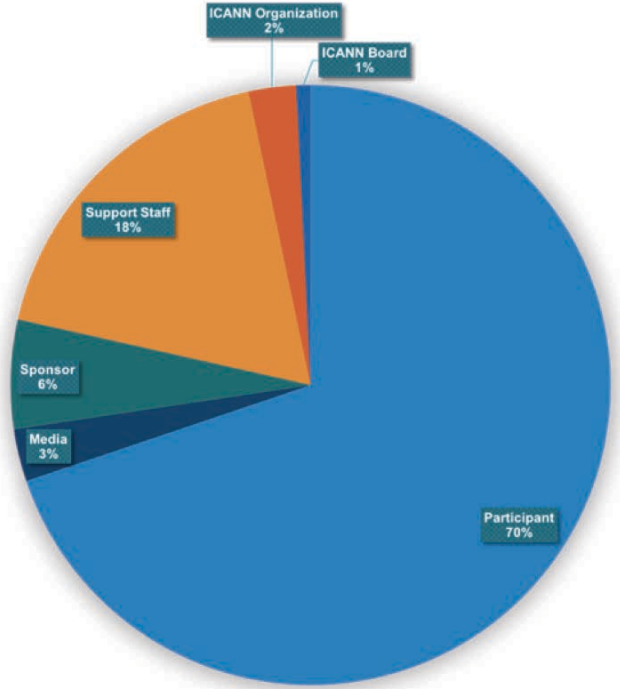
The attendee profile metrics for ICANN61 are derived from data that users provided during the meeting registration process.

**390 Regional Participants**  
**271 Newcomers**

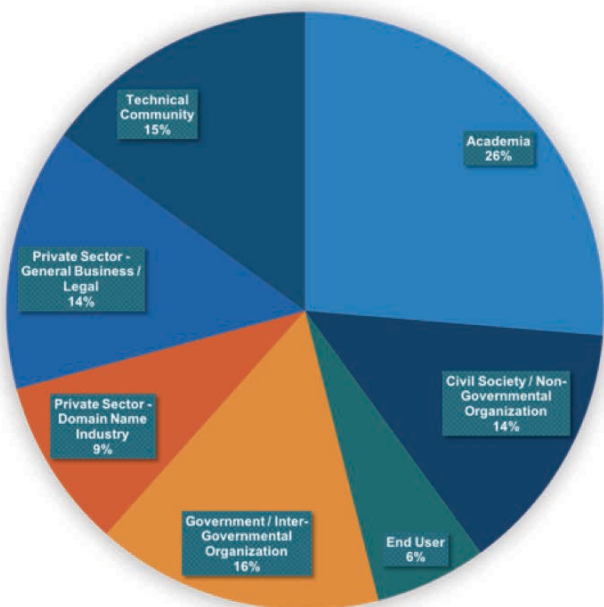
### ICANN61 Latin American/Caribbean Region Attendee Profile by Gender



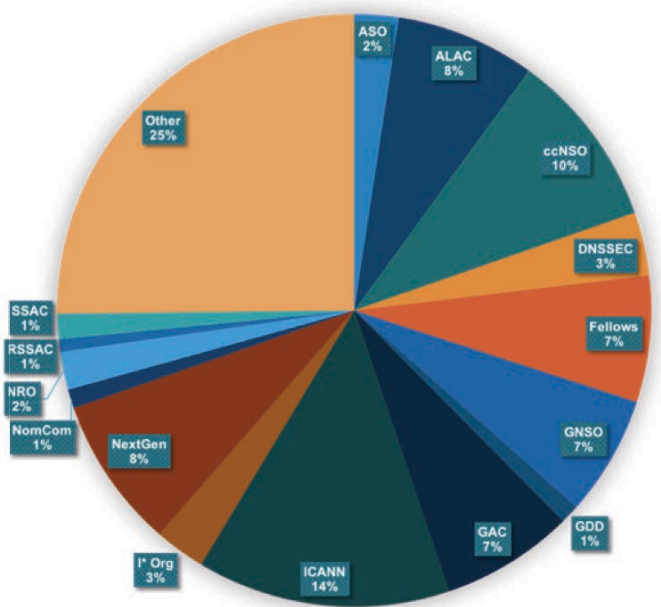
### ICANN61 Latin American/Caribbean Region Attendee Profile by Badge Type



### ICANN61 Latin American/Caribbean Region Attendee Profile by Stakeholder Classification



### ICANN61 Latin American/Caribbean Region Attendee Profile by Groups of Interest



# North America: Regional Attendee Profile

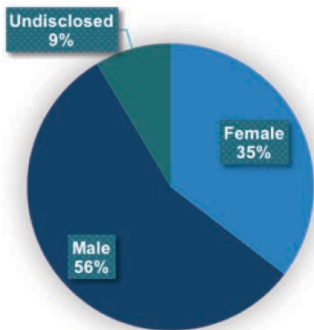
## Attendee Profile for North America

The attendee profile metrics for ICANN61 are derived from data that users provided during the meeting registration process.

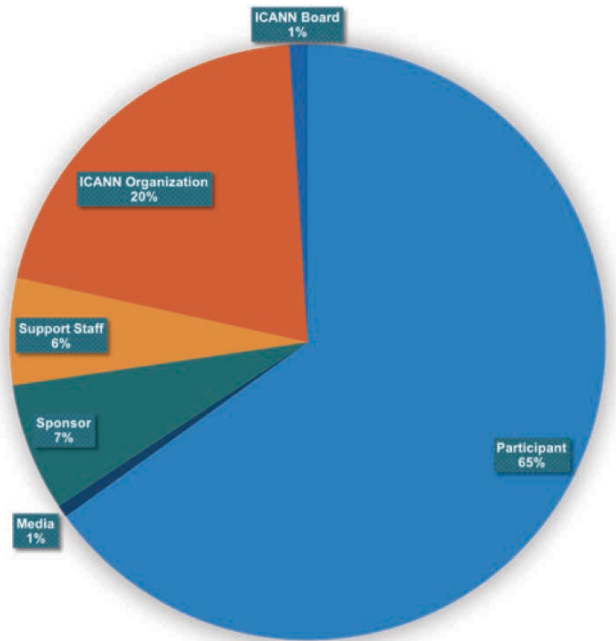


**604 Regional Participants**  
**175 Newcomers**

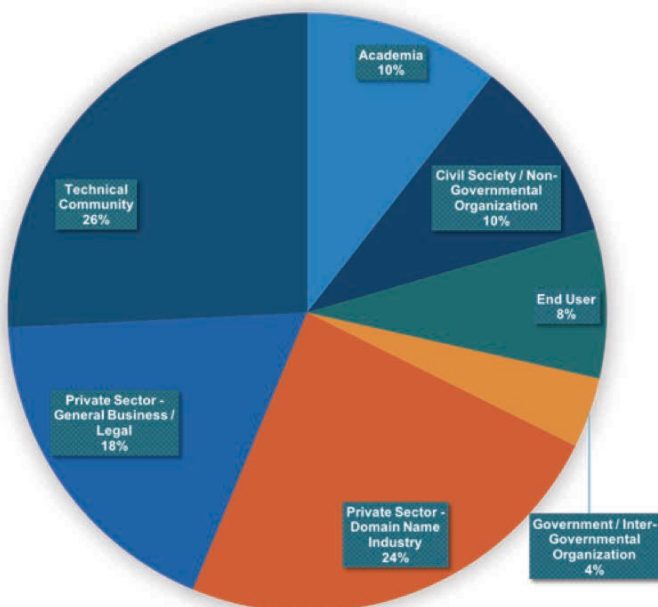
## ICANN61 North American Region Attendee Profile by Gender



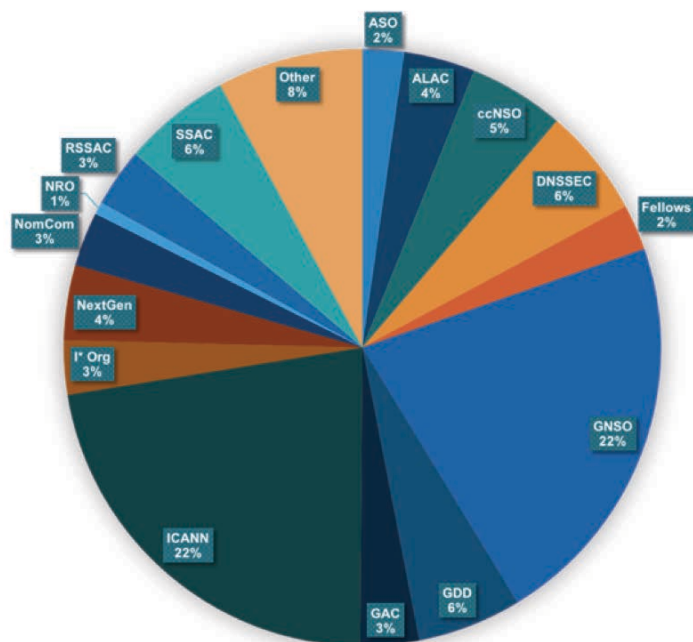
## ICANN61 North American Region Attendee Profile by Badge Type



## ICANN61 North American Region Attendee Profile by Stakeholder Classification



## ICANN61 North American Region Attendee Profile by Groups of Interest



# ICANN61 By the Numbers

## Session Statistics



# Session Statistics

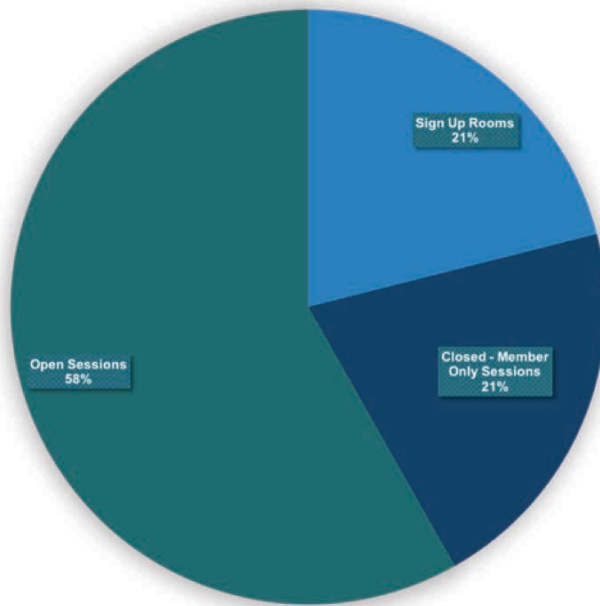
## Session Statistics for San Juan, Puerto Rico

Each “type” of session has a different structure and purpose:

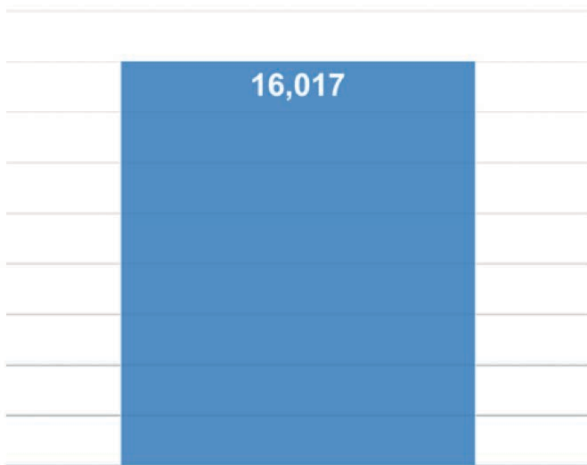
- Open sessions are open to everyone, and are supported with remote participation tools for additional outside participation.
- Closed sessions are typically open only to members of a specific group, and may have limited remote participation.
- Sign Up Rooms are on-site impromptu meetings, held in session rooms that have open time slots.

This chart breaks down meetings conducted by session type.

Counts by Session Type

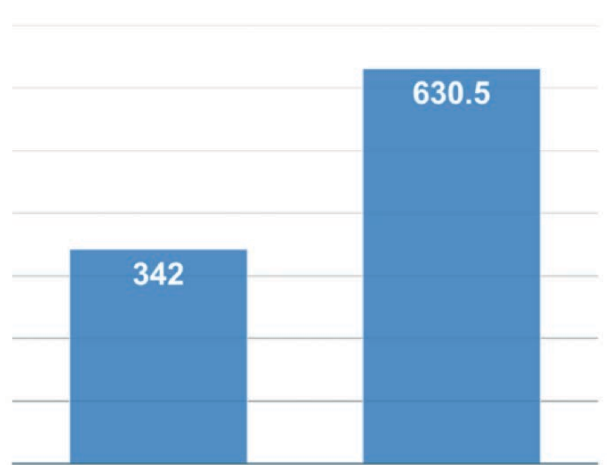


Actual Attendance for All Sessions



Based on Hourly Counts of Session Rooms

Session Count and Session Hours



Total Session Counts

Total Session Hours

## Session Statistics

### Session Attendance – Top 50 Sessions

This list ranks the top 50 sessions based on attendance. The attendance number comes from midsession manual headcounts done every hour. The count includes only people who were physically present in the session room at the time of the count.

Session Title	Attendance
1 ICANN61 Welcome Ceremony	976
2 Public Forum 1	689
3 Cross-Community Session: GDPR & WHOIS Compliance Models #	629
4 Cross-Community Session: GDPR & WHOIS Compliance Models (Continued)	324
5 Public Forum 2	319
6 ICANN Board Meeting	213
7 GAC Discussion: GDPR & WHOIS Compliance Models	201
8 GAC Discussion: .amazon	186
9 GAC & PSWG Discussion: GDPR & WHOIS	185
10 Joint Meeting: GAC & ICANN Board	177
11 Joint Meeting: CPH & ICANN Board	165
12 GAC Discussion: New gTLD Subsequent Procedures, Work Track 5, Part 1	159
13 Joint Meeting: GAC & GNSO	158
14 GAC: PSWG Update	147
15 Joint Meeting: ccNSO & GAC	145
16 Cross-Community Session: A Walk in the Shoes of a New gTLD Registry Operator #	143
17 Cross-Community Session: Name Collisions #	140
18 Cross-Community Session: Open Data & Information Transparency at ICANN: Developing Avenues Forward #	139
19 GAC Discussion: Two-Character Country & Territory Codes at the Second Level	136
20 Joint Meeting: ccNSO & ICANN Board	135
21 GAC Discussion: IRP Standing Panel	126
22 GAC Discussion: New gTLD Subsequent Procedures	124
23 Fellowship Social Networking Event [C]	120
24 GAC Discussion: Engagement in CCWGs & PDPs	118
25 Joint Meeting: GAC & UASG	117
26 Joint Meeting: CSG & ICANN Board	115
27 GAC: Geographic Names Working Group Meeting	114
28 Q&A with ICANN Organization Executive Team	113
29 GAC Opening Session	112
30 ccNSO Members Day 1, Part 2	110
31 Domain Abuse Activity Reporting (DAAR)	108
32 GAC Discussion: IGO Protections for Red Cross & Red Crescent Protections	108
33 Joint Meeting: GAC & ALAC	104
34 GNSO Working Session	104
35 GAC: PSWG Meeting	103
36 ICANN GDD: Registry & Registrar GDPR Compliance Model	102
37 Tech Day, Part 1	101
38 Joint Outreach Session: NCUC & At-Large	101
39 CCWG-IG Session	97
40 GAC Preparation for Joint Meeting with ICANN Board	97
41 GAC Discussion: Auction Proceeds	91
42 ccNSO Members Day 1, Part 1	91
43 Newcomers Day	91
44 DNSSEC for Everybody: A Beginner's Guide	90
45 Tech Day, Part 2	88
46 GAC Communiqué Drafting	87
47 Joint Meeting: ccNSO & GNSO Councils	82
48 Joint Meeting: CPH & CSG	79
49 GNSO Council Meeting	79
50 GAC Session: Operating Standards for Specific Reviews	79

# ICANN61 By the Numbers

## Schedule Website and Mobile App Statistics





# Schedule Website and Mobile App Statistics

Schedule Platform | [61.schedule.icann.org](http://61.schedule.icann.org)

For ICANN61, ICANN launched a new website platform called Pathable, integrating the mobile app and schedule website into one application. This new platform is accessibility compliant and improves the participants experience by utilizing a single application across multiple devices and platforms.



## Schedule Platform Quick Stats

Attendees Logged In

**953**

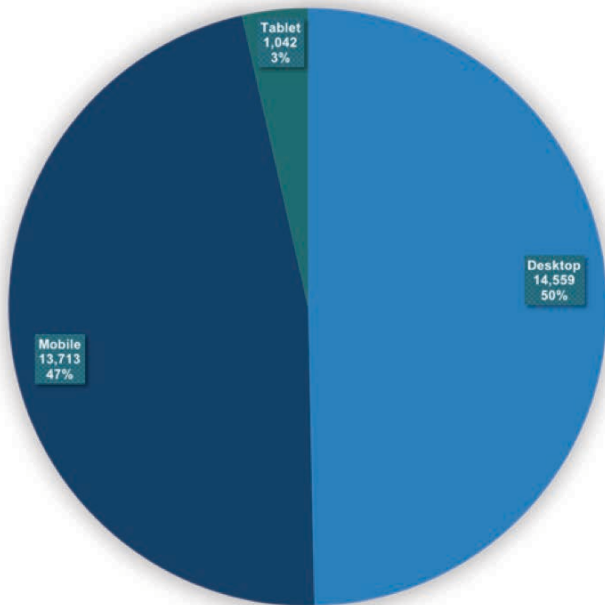
Schedules Created

**609**

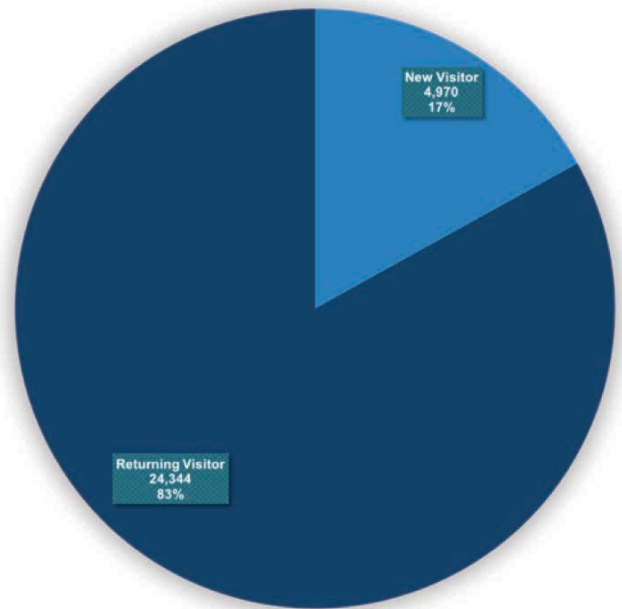
Average Session Duration

**7.4** Minutes

## Schedule Platform Usage by Device Category



## Schedule Platform Traffic Type



# Schedule Website and Mobile App Statistics

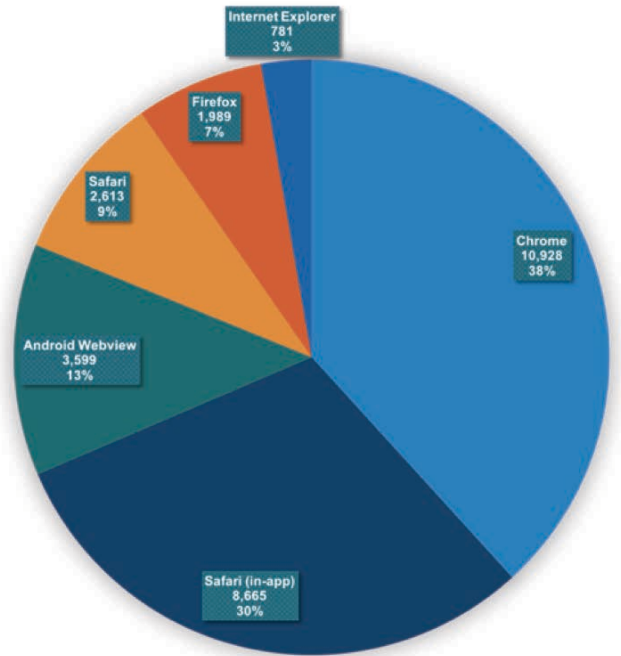
Schedule Platform | [61.schedule.icann.org](http://61.schedule.icann.org)

Before a meeting, the website includes language streaming links, remote participation links, and presentations. Shortly after a session concludes, the audio recording links are automatically posted.

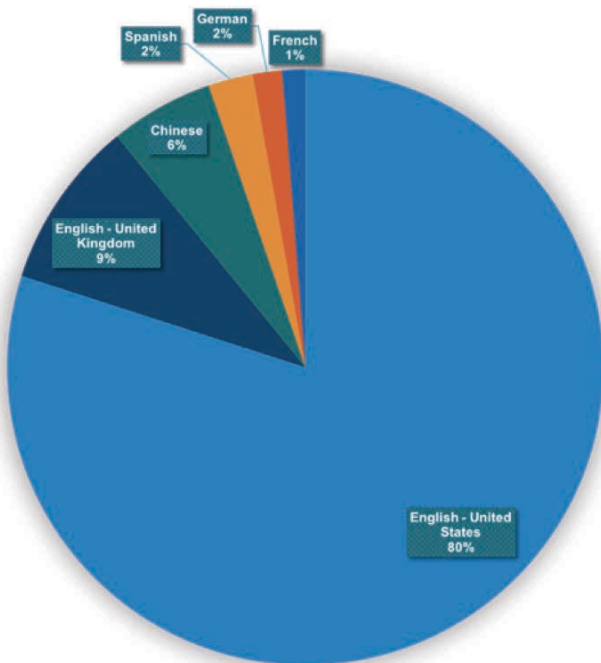
The Meetings Technical Services (MTS) team digitally tests all audio recordings before they are posted. Periods of dead air are removed so listeners don't have to fast-forward through gaps in a recording. When MTS completes this process, the Language Services Department processes and posts the associated transcripts.



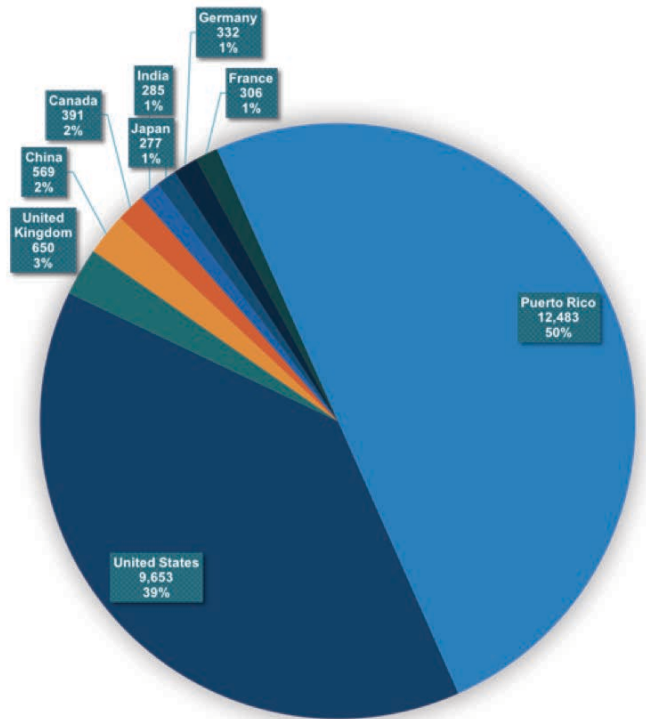
Schedule Platform Usage by Browser



Schedule Platform Users by Language



Schedule Platform Top Usage by Geography



# Schedule Website and Mobile App Statistics

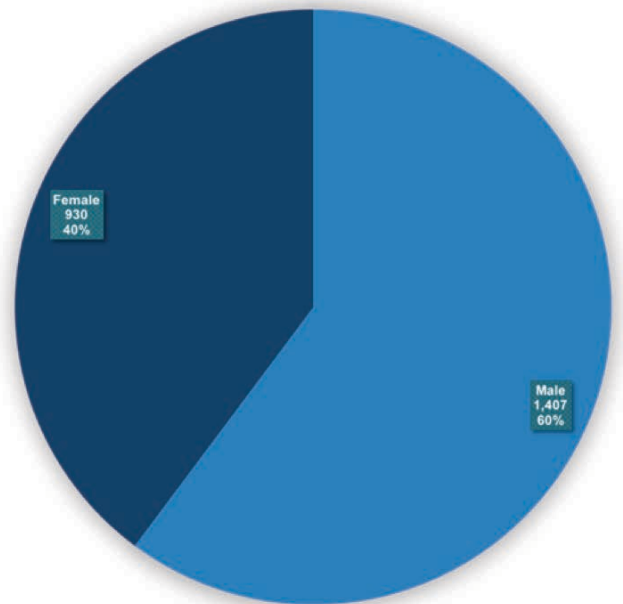
## Schedule Platform | [61.schedule.icann.org](https://61.schedule.icann.org)

The use of Google Analytics permits ICANN to analyze data from [schedule.icann.org](https://61.schedule.icann.org) in one place, allowing for a deeper understanding of the ICANN community’s experience with the schedule website.

Google Analytics collects information about demographics and interests available in browser cookies. It uses Android or iOS Advertising IDs to generate identifiers that include information about demographics and gender. This data is summarized with data sampling and infers the characteristics of an individual visitor. For more information on Google Analytics, visit <https://support.google.com/analytics/>.

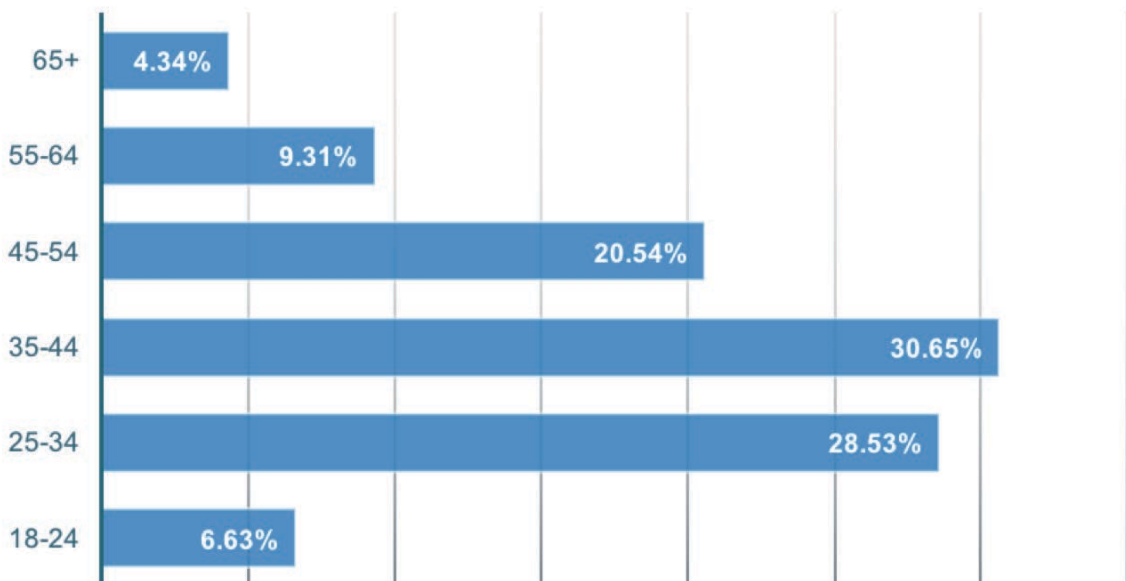


## Schedule Platform Demographics by Gender



\* Gender demographics data is based on 39.83% of total users

## Schedule Platform Demographics by Age



\* Age demographics data is based on 40.09% of total users

# Schedule Website and Mobile App Statistics



Schedule Platform Total Sessions  
(60-day period)

**↑ 29,314**  
ICANN61 | San Juan

**25,223**  
ICANN60 | Abu Dhabi

Schedule Platform Total Users  
(60-day period)

**↓ 5,867**  
ICANN61 | San Juan

**7,891**  
ICANN60 | Abu Dhabi

Schedule Platform Total Page Views  
(60-day period)

**↑ 167,905**  
ICANN61 | San Juan

**84,955**  
ICANN60 | Abu Dhabi

Schedule Platform  
Average Pages per Session

**↑ 5.73**  
ICANN61 | San Juan

**3.37**  
ICANN60 | Abu Dhabi

Schedule Platform  
Average Session Duration  
[H:MM:SS]

**↑ 0:06:16**  
ICANN61 | San Juan

**0:04:26**  
ICANN60 | Abu Dhabi

Schedule Platform  
Average Bounce Rate

**↓ 23.58%**  
ICANN61 | San Juan

**45.88%**  
ICANN60 | Abu Dhabi

# ICANN61 By the Numbers

## Remote Participation Statistics



# Remote Participation

## Remote Participation

A very important facet of ICANN meetings is remote participation. This section presents metrics related to the services provided on-site during meetings.

### Services Provided:

**Adobe Connect** – Visual platform with presentations, participant chat, video of session room, and other tools. Recordings of meetings are posted after the session concludes. A mobile app version is also available on app stores.

**Video Streaming** – Video and audio streamed live to Livestream.com, primarily for High Interest Topic sessions.

**Audio Streaming** – MP3 audio links for all languages available for a session, giving participants a choice of language. There are high quality streams for participants with broadband connections, and a low bandwidth stream for those with limited connectivity.

**Scribing** – Closed captioning is a live stream of text transcribed from the session’s audio, and is available in English for several sessions.

---

### Remote Participation – Adobe Connect



During ICANN61 in San Juan, Puerto Rico, the ICANN organization was made aware of possible issues with our Adobe Connect services. In an abundance of caution, we took immediate action and deactivated Adobe Connect services – both for external and internal use.

Due to this deactivation, ICANN is unable to provide remote participation data for ICANN61.

However, during this outage, alternative remote participation tools were available. All public sessions had live audio streams, and many other sessions had live scribing and live video streams. Remote participation data for these other options is available on the following pages.



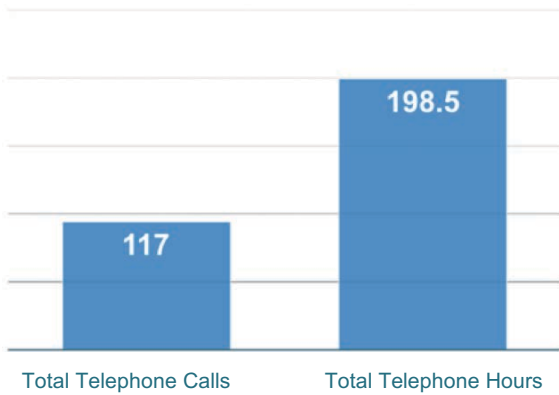
# Remote Participation – Audio

Total Recorded Audio Hours of Meetings

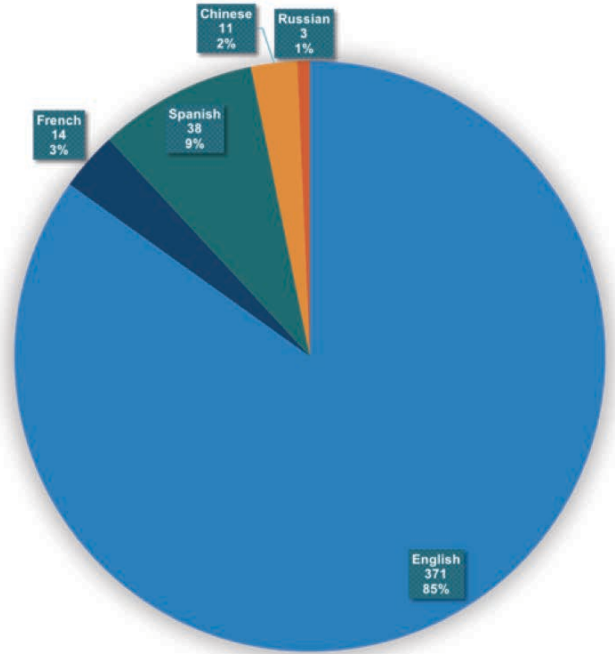
## 914 Hours



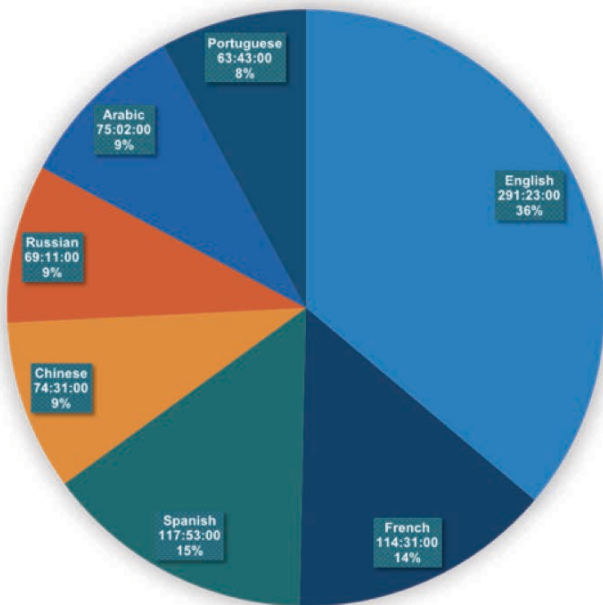
Total Telephone Calls and Hours



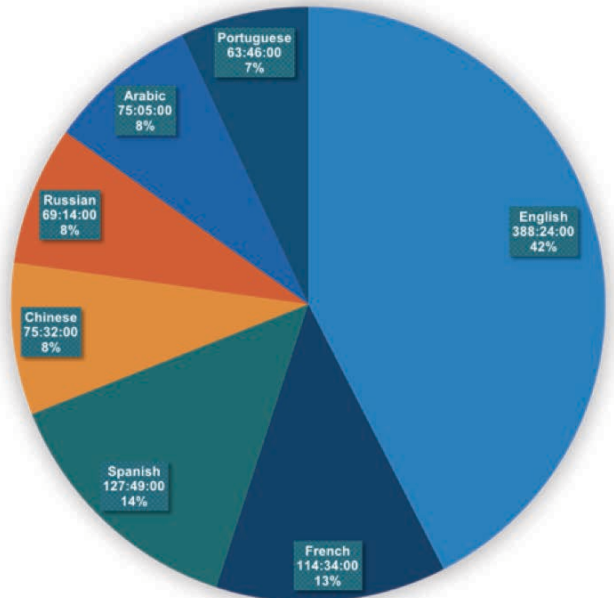
Total Streaming Audio Listeners by Language



Total Streaming Audio Hours [HH:MM:SS] by Language



Total Recorded Audio Hours [HH:MM:SS] by Language



## Remote Participation – Live Stream Video

### Remote Participation – Livestream.com Viewership

This list ranks the top sessions based on the total count of viewers to the live stream video. At this time, not all sessions have live stream video available. ICANN is working to make live stream video available for all public sessions, and expand live stream availability on ICANN's YouTube channel.



	Livestream.com - Session Title	Total Views
1	Public Forum 2 - ICANN61	414
2	ICANN61 Welcome Ceremony	269
3	Cross-Community Session: GDPR & WHOIS Compliance Models (Continued)	210
4	ICANN GDD: Registry & Registrar GDPR Compliance Model	163
5	Cross-Community Session: GDPR & WHOIS Compliance Models - ICANN61	161
6	Public Forum 1 - ICANN61	102
7	GAC Communique Drafting	90
8	ICANN Board Meeting - ICANN61	90
9	Cross-Community Session: Open Data & Information Transparency - ICANN61	79
10	Cross-Community Session: New gTLD Registry Operator - ICANN61	78
11	Q&A with ICANN Org Executive Team	68
12	KSK Rollover Update - ICANN61	66
13	TEG & ICANN Board: Joint Meeting - ICANN61	65
14	ASO/NRO & ICANN Board: Joint Meeting - ICANN61	64
15	Newcomers Day - ICANN61	63
16	GNSO Council Wrap Up - ICANN61	52
17	RSSAC & ICANN Board: Joint Meeting - ICANN61	52
18	Cross-Community Session: Name Collisions - ICANN61	51
19	CCWG Accountability WS2 Session - ICANN61	51
20	CPH & CSG: Joint Meeting	49
21	GNSO Council Meeting - ICANN61	46
22	SSAC & ICANN Board: Joint Meeting	39
23	SSAC Session - ICANN61	37
24	ALAC & ICANN Board: Joint Meeting - ICANN61	31
25	CSG & ICANN Board: Joint Meeting - ICANN61	27
26	NCSG & ICANN Board: Joint Meeting - ICANN61	27
27	GAC Session: ICANN Learn & Onboarding Program	22
28	GAC Discussion: HLG M Preparation	20
29	GAC Discussion on Operating Principles	19
30	GAC: Commonwealth Meeting	19
31	GAC Website	18
32	CPH & ICANN Board: Joint Meeting - ICANN61	18
33	GeoTLD Group Sharing Session	14
34	GAC ICANN62 Planning	9



# Remote Participation – Audio Streams

## Remote Participation – Top 40 Sessions

This list ranks the top 40 sessions based on the peak count of listeners to the web audio stream. All open sessions provide web audio streams. Blank space denotes that a specific language was not available for a session. “-” denotes that a specific language had no listeners during the noted session.

Session Title	Web Audio Stream Listeners by Language					
	English	Spanish	Chinese	Russian	Portuguese	Arabic
1 ICANN GDD: Registry Operator Roundtable	18					
2 Cross-Community Session: Open Data & Information Transparency at ICANN: Developing Avenues Forward	15	1	1	2		
3 ICANN Board Meeting	14	1	1			
4 ICANN Organization: Budget Working Group Meeting	13					
5 BRG: dotBrands Trends & Use Cases	12					
6 How It Works: Internet Networking	11					
7 Contractual Compliance Program Update	10					
8 Domain Abuse Activity Reporting (DAAR)	10					
9 ICANN GDD: Registry & Registrar GDPR Compliance Model	10					
10 ICANN Board Meeting	10					
11 DNSSEC Workshop, Part 2	9	1				
12 APAC Space	9					
13 RSSAC Organizational Review Session	8					
14 Q&A with ICANN Organization Executive Team	8					
15 CCWP on ICANN & Human Rights	7					
16 DNSSEC Workshop, Part 3	7					
17 Process to Establish IRP Standing Panel	7					
18 DNSSEC Workshop, Part 1	6					
19 ccNSO Members Day 2, Part 4	6					
20 GNSO: RPKIs PDP Working Group, Part 4	6					
21 ICANN GDD: Registrants - Understanding the issues facing them and helping them navigate ICANN's policies	6					
22 GNSO Council Wrap-Up	6					
23 Joint Meeting: ICANN Board and RSSAC	6					
24 Cross-Community Session: Name Collisions	5					
25 Joint Meeting: ALAC & ICANN Board	5	1				
26 ccNSO Members Day 2, Part 3	5					
27 Africa Strategy Session	5	1				
28 GNSO: RDS PDP Working Group Meeting	5					
29 AF-Large NARALO Meeting	5					
30 CCG-IG Meeting	5					
31 Public Forum 1	4					
32 Joint Meeting: NCSG & ICANN Board	4	1				
33 Joint Meeting: ASO/NRO & ICANN Board	4					
34 NomCom Review Update	4					
35 AT-Large: Technology Task Force Working Group Meeting	4	4				
36 ccNSO Members Day 2, Part 2	4					
37 SSAC Session	4					
38 ALAC & Regional Leaders: Wrap-Up Session, Part 1	4					
39 How It Works: Understanding DNS Abuse	4	2				
40 GNSO Working Session	3					

# ICANN61 By the Numbers

## General Information



# General Information

## General Statistics for ICANN61



Most Steps Walked in One Day  
by an MTS Tech

**31,591**

**15.06**   **24.24**  
Miles   Km

Average Walking Distance  
of MTS Tech per Day



**6.61**   **10.63**  
Miles   Km

Televisions Deployed



**58**

Conference Chairs Set Up



**4,003**

Flip Chart Markers



**90+**

Electrical Outlets Used



**242**

Coffee Consumed



**295**   **1,117**  
Gallons   Liters

Bottled Beverages Consumed



**7,585+**

Water Coolers



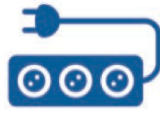
**24**

# General Information

## Equipment Carried for ICANN61



### International Power Strips



**800**

### Rolls of Gaffers Tape



**137**

### Laptops



**64**

### Mac Minis



**66**

### Telephones



**39**

### Switches



**62**

### Printers



**22**

### Registration iPads



**22**

### Conference Microphones



**408**

### Communication Radios



**56**

### Wireless Access Points



**107**

## General Information

### ICANN Equipment Shipped to ICANN61

Much like a touring band, ICANN learned over time that the most cost-effective method of ensuring that meeting participants have a positive experience is to sea freight our own equipment to ICANN meetings. We ship critical equipment, then rent the remaining equipment locally to help promote the local economy.

The following depicts the equipment shipped to ICANN61.

### ICANN-Owned Equipment Shipment Weight



# ICANN61 By the Numbers

## Network Operations Center



# Network Operations Center

## Session Monitoring

The Network Operations Center (NOC) monitors all session rooms, including audio streams, recordings, Wi-Fi associations, connectivity stability, room temperatures, and technician status. At any time, NOC staff can look at the monitoring screen and get a real-time status check of any session room.

Below is a screenshot taken during ICANN61 of monitoring software.



The NOC uses InterMapper to monitor all active equipment deployed into various areas of the venue. The tool enables the NOC to respond quickly to power outages, network problems, and equipment failures. The NOC is where the Meetings, Meetings Technical Services, and Security teams work together to ensure quick inter-departmental communications and coordination.



# Network Operations Center

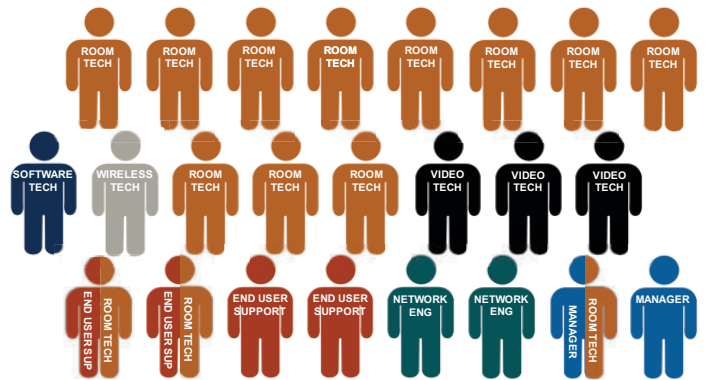
## Meetings Technical Services Team

People are key to the success of ICANN meetings. Several teams of people help manage every aspect of a meeting. Our Meetings Technical Services (MTS) team includes: meeting managers, audio visual technicians, interpreters, scribes (closed captionists), remote participation managers, IT technicians, and video technicians. Many other teams outside the technical scope help make the meetings a success.

### MTS Team Messages Exchanged



### Breakdown of MTS Team by Role



## Meetings Technical Services Team | ICANN61





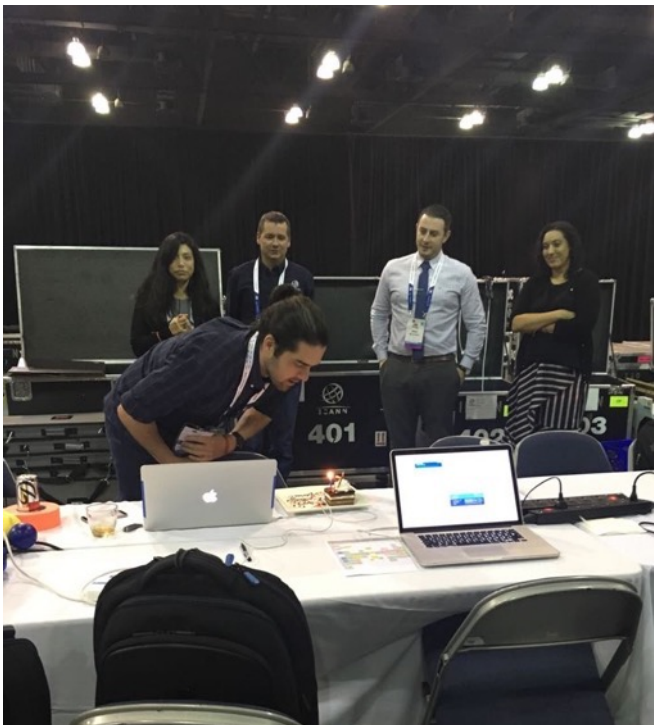
# Network Operations Center – San Juan



## Typical Session Room Setup

A typical meeting room is set up with a VoIP phone, several Wi-Fi access points, two to four Mac Minis, and one or two switches.

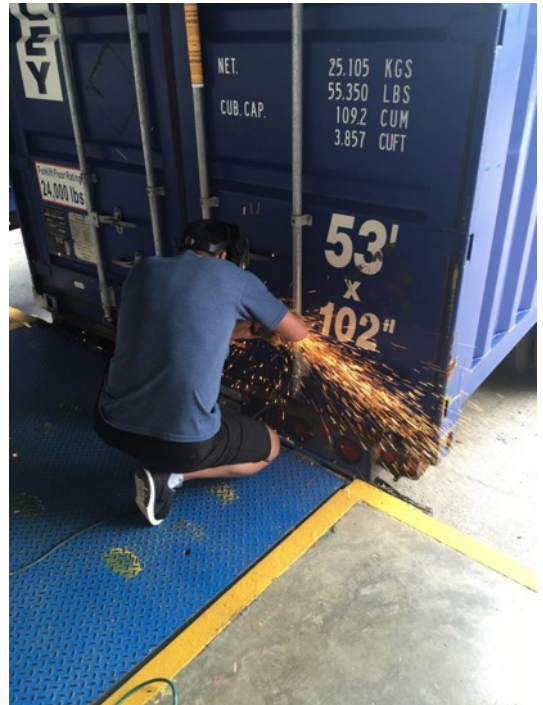
MTS installs international power strips in all session rooms. ICANN carries over 800 six-plug power strips with over 8 km of power cable. This provides over 4,800 power outlets for participants during meetings.



**Celebrating a birthday!**

## Shipment of Equipment

Over 99 cases ship around the world from meeting location to meeting location. This equipment returns back to Los Angeles, CA, USA, only once a year for restocking and repairs.



**Cutting off security locks on a shipping container**

## Video Setup

Three operator-controlled PTZ camera systems are available for large session rooms. This system streams video via Adobe Connect, and in some rooms, via Livestream HD video.

At ICANN56 in Helsinki, Finland, we introduced new automated camera kits for all session rooms. These video kits operate in conjunction with the microphone system. All session rooms now have live video streams for open sessions.

Live video has been a major investment - ICANN is continually striving to improve the experience and interaction of remote participants. Livestream.com is now available for many sessions, providing live high definition video.

# ICANN61 By the Numbers

## Network Statistics and Client Profiles



# Network Statistics

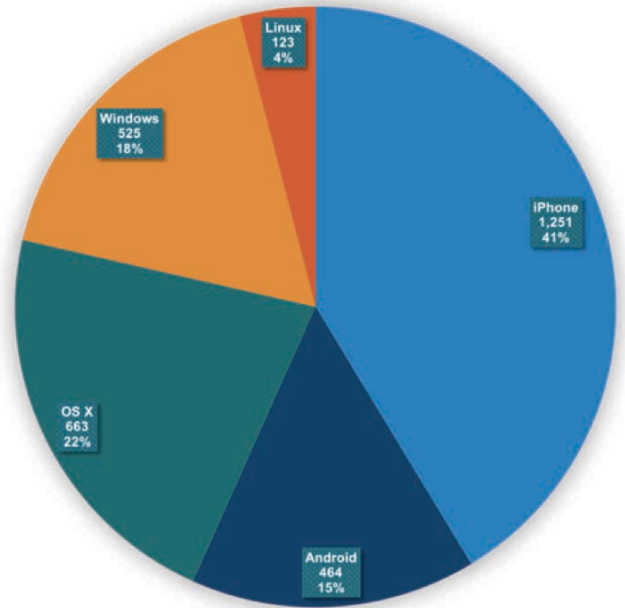
## Overall Network Usage and Statistics

The ICANN Meetings Technical Services team operates only with Juniper routers and switches. For the wireless infrastructure, we use Aruba access points, including Aruba wireless controllers.

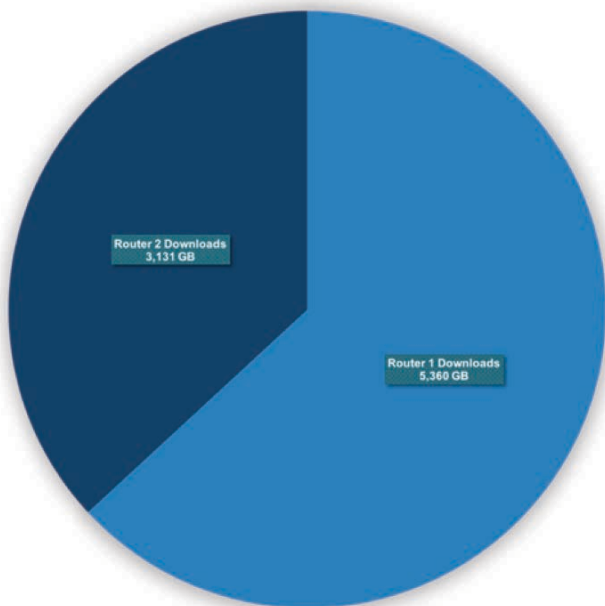
In the “General Information” section, we give the inventory of IT equipment that ICANN brings to each meeting to meet the unique challenges of each venue.



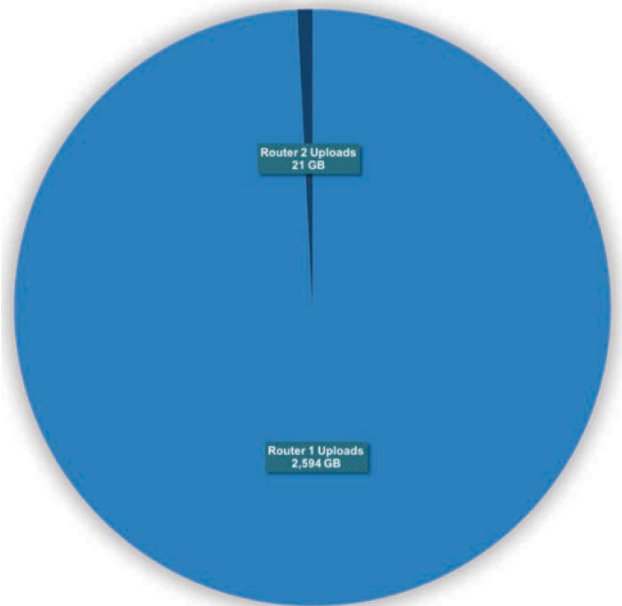
## Clients by Device Type



## Total Download Traffic



## Total Upload Traffic

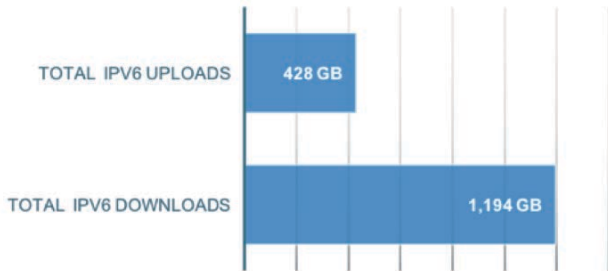


# Network Statistics

## Bandwidth Consumption and Allocation

These charts show the bandwidth that was provided and consumed, and the traffic allocation between IPv4 and IPv6.

### IPv6 Data Transferred In/Out

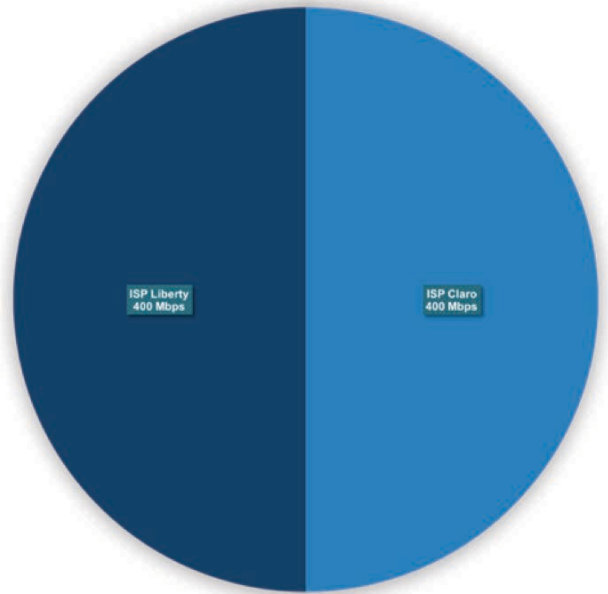


### IPv6 Network Usage

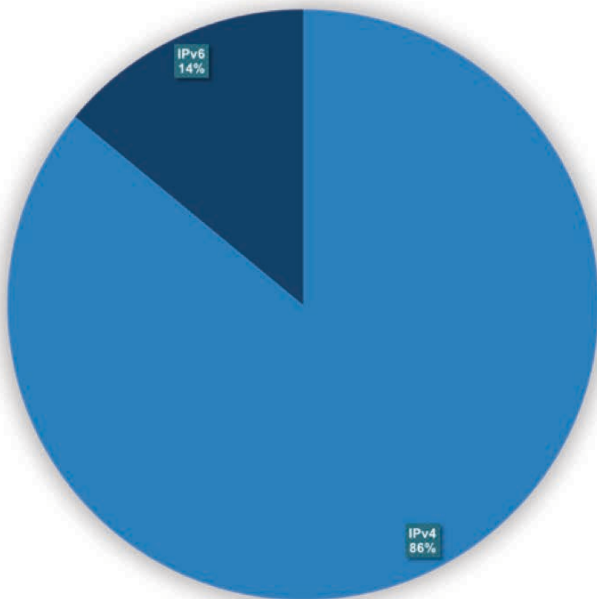
# 14%

+1% increase since ICANN60 in Abu Dhabi

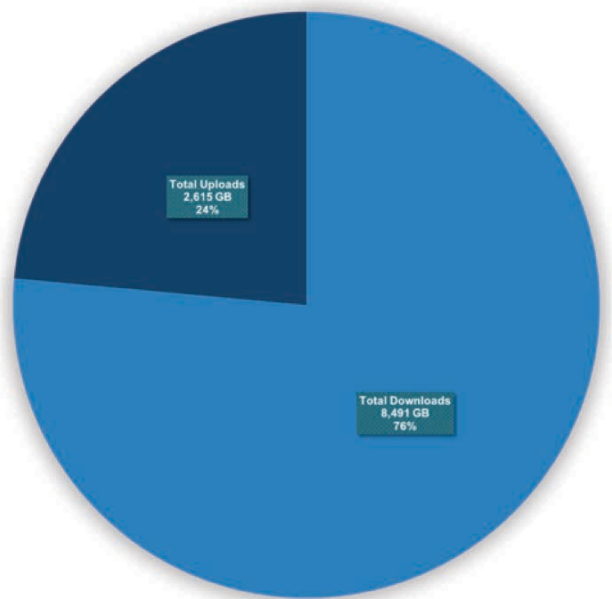
## Internet Service Providers 800 Mbps Service Active / Standby Mode



## IPv4 & IPv6 Traffic Allocation



## Total Data Consumption



# Network Statistics

## Wi-Fi Client Associations and Bandwidth

During an ICANN meeting, the Meetings Technical Services team closely monitors the network load and Wi-Fi associations to each wireless access point. Alerts notify the NOC team when a maximum number of users are associated to a single access point. The team responds promptly by mitigating issues with access points or deploying more access points.

Great care and time go into the deployment plan for wireless access points. The team works closely with our wireless vendor Aruba to ensure the best possible configuration of device profiles.

Our goal is to ensure the highest quality experience for all attendees on the ICANN network.

Peak Wi-Fi Associations  
17-Mar-2018



Peak Client Associations



## Peak Bandwidth Utilization

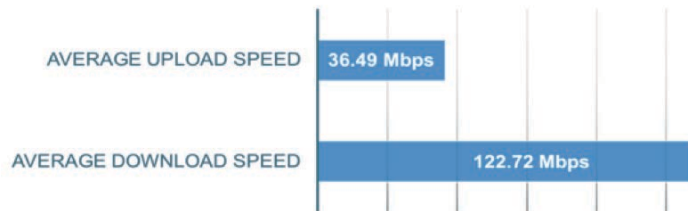
406

Peak Download Mbps  
13-Mar-2018

343

Peak Upload Mbps  
11-Mar-2018

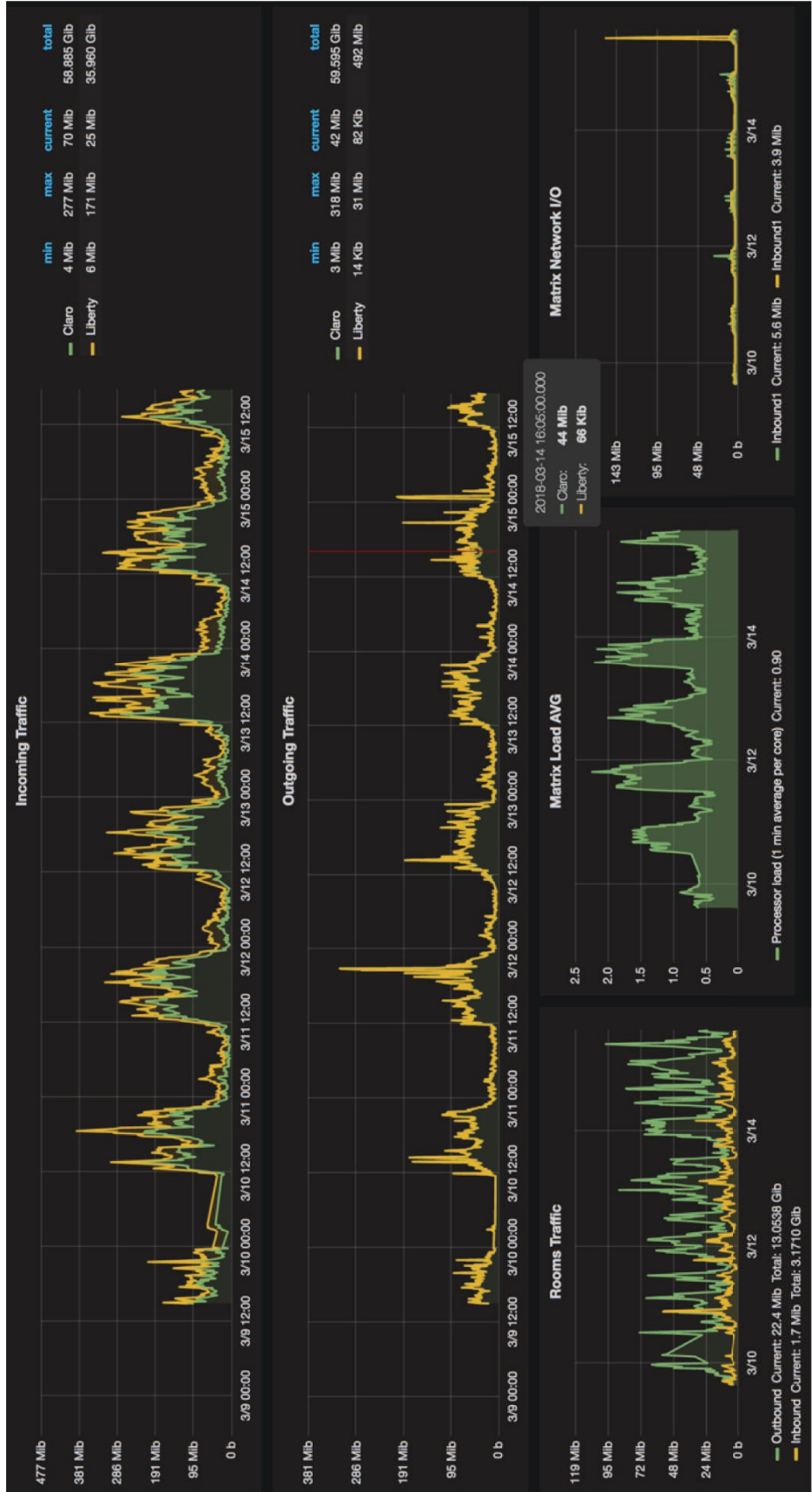
## Bandwidth Speed [During Business Hours per 30 Minutes]



# Network Statistics – Monitoring

## Bandwidth Utilization

ICANN runs our core network from two redundant routers. These graphs show the daily average bandwidth consumption. For ICANN61, ICANN was also able to provide bandwidth to the attached hotels for which the daily average bandwidth traffic is also modeled below.



# Network Statistics – Tools

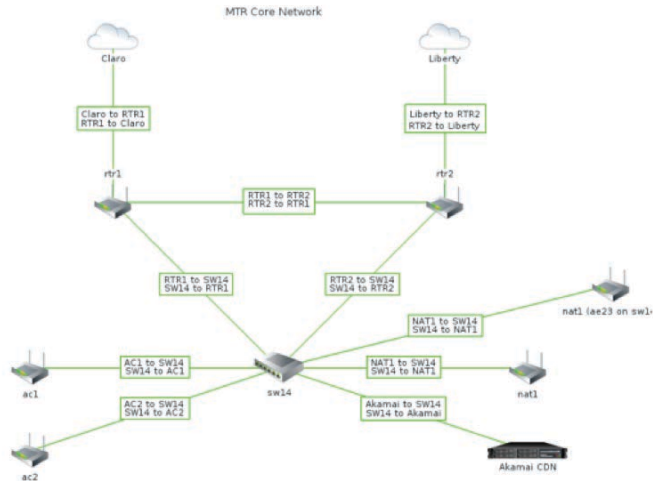
## InterMapper Resource Monitoring Tool

InterMapper is ICANN’s tool to monitor all active equipment deployed into various areas of the venue. The tool enables the NOC to respond quickly to power outages, network problems, and equipment failures.

**Puerto Rico Convention Center  
Device Deployment Map**



**Network Monitoring Screen  
Traffic Flow Monitoring**



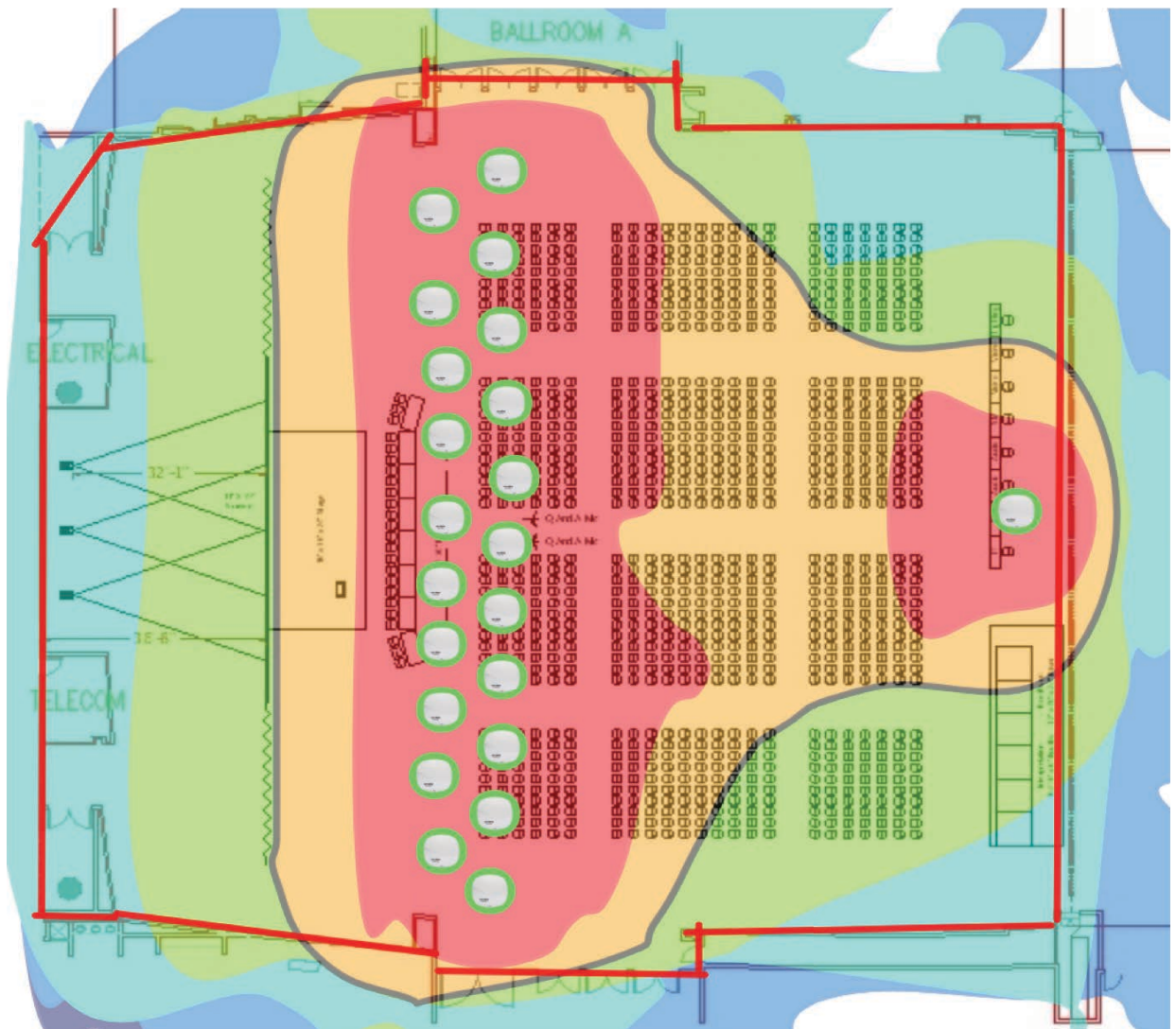
# Network Statistics – Tools

## Wireless Access Point Deployment – Heat Map

One of the primary services provided to the attendees at an ICANN meeting is free Wi-Fi. ICANN MTS takes this essential service seriously, and uses several tools and resources to ensure the highest quality experience for everyone.

Every meeting has a deployment plan depicting how many wireless access points are needed per room, and the strategic location of those access points. This is determined by several methods, one being a heat map shown below for the plenary room, Ballroom A. Heat maps show Wi-Fi signal strength, red being the hottest and closest to the Wi-Fi signal, gradually fading to orange, green, and blue as the signal strength diminishes.

## Puerto Rico Convention Center Ballroom A





# ICANN61 By the Numbers

## Appendix



## Attendee Profile Data

<b>ICANN61   San Juan</b>	
Total Participants	1,565
First Time Participants (Newcomers)	560
Returning Participants	1,005
<b>By Gender</b>	
Female	536
Male	854
Undisclosed	175
<b>By Badge Type</b>	
Participant	1,173
Media	15
Sponsor	74
Support Staff	111
ICANN Organization	173
ICANN Board	19
<b>By Stakeholder Group</b>	
Academia	189
Civil Society / Non-Governmental Organization	156
End User	99
Government / Inter-Governmental Organization	206
Private Sector - Domain Name Industry	299
Private Sector - General Business / Legal	181
Technical Community	305
<b>By Interest Group</b>	
ASO - Address Supporting Organization	79
ALAC - At-Large Advisory Committee	32
ccNSO - Country Code Names Supporting Organization	165
DNSSEC - Domain Name System Security Extensions	64
Fellowship Program	61
GNSO - Generic Names Supporting Organization	143
GDD - Global Domains Division	43
GAC - Governmental Advisory Committee	220
ICANN - Internet Corporation for Assigned Names and Numbers	27
I* Organization	192
NextGen@ICANN	49
NomCom - Nominating Committee	25
NRO - Number Resource Organization	17
RSSAC - Root Server System Advisory Committee	21
SSAC - Security and Stability Advisory Committee	41
Other / Special Interest Group	139

## Attendee Profile Data

<b>ICANN Five Regions</b>	
Africa	88
Asia/Australia/Pacific Islands	182
Europe	301
Latin America/Caribbean	390
North America	604

<b>ICANN Meeting Seven Regions</b>	
Africa	88
Asia	114
Australia/Pacific Islands	40
Eastern Europe and Central Asia	12
Europe	301
Latin America and the Caribbean	390
Middle East	16
North America	604

## Attendee Profile Data – By ICANN Meeting Regions

	Africa	Asia / Australia / Pacific	Europe	Latin America / Caribbean	North America
Total Participants	88	170	313	390	604
First Time Participants (Newcomers)	15	42	57	271	175
Returning Participants	73	128	256	119	429
<b>By Gender</b>					
Female	23	53	97	149	214
Male	51	107	184	174	338
Undisclosed	14	10	32	67	52
<b>By Badge Type</b>					
Participant	84	155	268	273	393
Media	0	0	0	11	4
Sponsor	0	0	9	23	42
Support Staff	0	1	4	71	35
ICANN Organization	2	12	25	10	124
ICANN Board	2	2	7	2	6
<b>By Stakeholder Group</b>					
Academia	10	9	20	100	50
Civil Society / Non-Governmental Organization	11	26	20	52	47
End User	5	13	20	23	38
Government / Inter-Governmental Organization	34	45	50	59	18
Private Sector - Domain Name Industry	17	40	94	35	113
Private Sector - General Business / Legal	7	9	26	54	85
Technical Community	23	34	69	57	122
<b>By Interest Group</b>					
ASO - Address Supporting Organization	1	8	6	7	10
ALAC - At-Large Advisory Committee	11	15	14	22	17
ccNSO - Country Code Names Supporting Organization	25	23	66	28	23
DNSSEC - Domain Name System Security Extensions	8	3	14	10	26
Fellowship Program	6	13	11	20	11
GNSO - Generic Names Supporting Organization	11	35	59	19	96
GDD - Global Domains Division	1	5	9	3	25
GAC - Governmental Advisory Committee	30	39	39	21	14
ICANN - Internet Corporation for Assigned Names and Numbers	11	14	28	40	99
I* Organization	1	4	4	8	13
NextGen@ICANN	2	3	2	24	18
NomCom - Nominating Committee	2	2	5	3	13
NRO - Number Resource Organization	3	3	2	6	3
RSSAC - Root Server System Advisory Committee	0	1	4	2	14
SSAC - Security and Stability Advisory Committee	0	5	6	4	26
Other / Special Interest Group	7	8	16	73	35

# Attendee Profile Data – By ICANN Regions

	Africa	Asia	Australia / Pacific	Eastern Europe / Central Asia	Europe	Latin America / Caribbean	Middle East	North America
<b>Total Participants</b>	88	114	40	12	301	390	16	604
<b>First Time Participants (Newcomers)</b>	15	32	7	2	55	271	3	175
<b>Returning Participants</b>	73	82	33	10	246	119	13	429
<b>By Gender</b>								
Female	23	37	9	7	90	149	7	214
Male	51	71	27	4	180	174	9	338
Undisclosed	14	6	4	1	31	67	0	52
<b>By Badge Type</b>								
Participant	84	108	36	9	259	273	11	393
Media	0	0	0	0	0	11	0	4
Sponsor	0	0	0	0	9	23	0	42
Support Staff	0	0	1	0	4	71	0	35
ICANN Organization	2	5	3	3	22	10	4	124
ICANN Board	2	1	0	0	7	2	1	6
<b>By Stakeholder Group</b>								
Academia	10	7	1	1	19	100	1	50
Civil Society / Non-Governmental Organization	11	17	5	2	18	52	4	47
End User	5	4	9	0	20	23	0	38
Government / Inter-Governmental Organization	34	34	9	1	49	59	2	18
Private Sector - Domain Name Industry	17	33	6	2	92	35	1	113
Private Sector - General Business / Legal	7	4	3	1	25	54	2	85
Technical Community	23	23	8	1	68	57	3	122
<b>By Interest Group</b>								
ASO - Address Supporting Organization	1	6	2	0	6	7	0	10
ALAC - At-Large Advisory Committee	11	10	4	1	13	22	1	17
ccNSO - Country Code Names Supporting Organization	25	20	3	4	62	28	0	23
DNSSEC - Domain Name System Security Extensions	8	2	1	0	14	10	0	26
Fellowship Program	6	7	4	2	9	20	2	11
GNSO - Generic Names Supporting Organization	11	26	7	2	57	19	2	96
GDD - Global Domains Division	1	4	1	0	9	3	0	25
GAC - Governmental Advisory Committee	30	29	7	2	37	21	3	14
ICANN - Internet Corporation for Assigned Names and Numbers	11	7	5	1	27	40	2	99
I* Organization	1	3	1	0	4	8	0	13
NextGen@ICANN	2	3	0	0	2	24	0	18
NomCom - Nominating Committee	2	1	0	0	5	3	1	13
NRO - Number Resource Organization	3	0	3	0	2	6	0	3
RSSAC - Root Server System Advisory Committee	0	1	0	0	4	2	0	14
SSAC - Security and Stability Advisory Committee	0	2	3	0	6	4	0	26
Other / Special Interest Group	7	5	1	0	16	73	2	35

## Session Statistics Data

### Overall Meeting Statistics

Total Session Counts	342
Total Session Hours	630.5
Actual Attendance for All Sessions	16,017
Checked-In Attendees	1,565

### Counts by Session Type

Sign Up Rooms	72
Closed - Member Only Sessions	71
Open Sessions	199

### Mobile App & Website Usage

Total Unique Visitors (60 Days)	5,867
Total Pageviews (60 Days)	167,905

## Schedule Website and Mobile App Statistics

Geography	Sessions
Puerto Rico	12,483
United States	9,653
United Kingdom	650
China	569
Canada	391
India	285
Japan	277
Germany	332
France	306

Device Category	Sessions
Desktop	14,559
Mobile	13,713
Tablet	1,042

Browser	Sessions
Chrome	10,928
Safari (in-app)	8,665
Android Webview	3,599
Safari	2,613
Firefox	1,989
Internet Explorer	781

Demographics - Age	%
18-24	6.63%
25-34	28.53%
35-44	30.65%
45-54	20.54%
55-64	9.31%
65+	4.34%

\*Data based on 40.09% of total users

User Type	Sessions
New Visitor	4,970
Returning Visitor	24,344

General Stats	
Sessions	29,314
Users	5,867
Pageviews	167,905
Pages / Session	5.73
Avg. Session Duration	00:06:16
Bounce Rate	23.58%
New Users	4,963

Language	Sessions
English - United States	19,118
English - United Kingdom	2,183
Chinese	1,347
Spanish	579
German	380
French	298

Website Quick Stats	
Attendees Logged In	953
Schedules Created	609
Average Session Duration	7.40 Minutes
Total Members	1,726

Demographics - Gender	Users
Male	1,407
Female	930

\*Data based on 39.83% of total users

Acquisition Overview	Sessions
Direct	23,771
Organic Search	2,273
Referral	1,274
Other	1,136
Social	836
Email	24

## Remote Participation Data

### Remote Participation - Adobe Connect

Total Unique Participants	Not Available
Tablet Connections	Not Available
Mobile Phone Connections	Not Available
Mobile Users	Not Available
Mobile Minutes	Not Available

### Overall Resource Usage

Adigo Phone Conference Bridge Calls	11
Adigo Phone Conference Total Hours	13.75
PGI/GlobalMeet Conference Bridge Calls	23
PGI/GlobalMeet Conference Total Hours	67.75
Verizon Conference Bridge Calls	59
Verizon Conference Total Hours	117
Remote Participation Manager Requests	199
Remote Participation Manager Total Hours	309.25
Telephone Calls Conducted	93
Telephone Calls Conducted Hours	198.5



## Remote Participation Data

Web Streaming Hours [hh:mm:ss]	
English	291:23:00
French	114:31:00
Spanish	117:53:00
Chinese	74:31:00
Russian	69:11:00
Arabic	75:02:00
Portuguese	63:43:00
<b>Total</b>	<b>806:14:00</b>

Web Streaming Listeners	
English	371
French	14
Spanish	38
Chinese	11
Russian	3
Arabic	0
Portuguese	0
<b>Total</b>	<b>437</b>

Recorded Hours [hh:mm:ss]	
English	388:24:00
French	114:34:00
Spanish	127:49:00
Chinese	75:32:00
Russian	69:14:00
Arabic	75:05:00
Portuguese	63:46:00
<b>Total</b>	<b>24:00:00</b>

## Network Statistics Data

Bandwidth	Mbps
ISP Claro	400
ISP Liberty	400
Total Bandwidth Available	800

Total Data Transferred In/Out	GB
Router 1 - Downloads	5,360
Router 1 - Uploads	2,594
Router 2 - Downloads	3,131
Router 2 - Uploads	21
Total Downloads	8,491
Total Uploads	2,615

IPv6 Data Transferred In/Out	GB
Router 2 IPv6 Uploads	12
Router 2 IPv6 Downloads	1
Router 1 - IPv6 Uploads	416.00
Router 1 - IPv6 Downloads	1,193
Total IPv6 Downloads	1,194
Total IPv6 Uploads	428

Total Traffic Allocation	%
IPv4	86%
IPv6	14%

Total Traffic	GB
IPv4 Downloads	7,297
IPv4 Uploads	2,187
IPv6 Downloads	1,194
IPv6 Uploads	428

Average Traffic Speed	Mbps
Average Download Speed	122.72
Average Upload Speed	36.49

Peak Bandwidth Utilization	Mbps
Peak Download Date	13-Mar-18
Peak Download Utilization	406
Peak Upload Date	11-Mar-18
Peak Upload Utilization	343

Peak Wi-Fi Clients	
Peak Date	17-Mar-18
Peak Devices	1,773

Clients by Device Type	%
iPhone	41%
Android	15%
Windows	17%
OS X	22%
Linux	4%

Hotel Data Transferred In/Out	GB
Hotel Network - Downloads/Incoming	2,355
Hotel Network - Uploads/Outgoing	582

Hotel Bandwidth Utilization	Mbps
Hotel Network - Average Download	37
Hotel Network - Peak Download	228

# Network Statistics Data – Top 50 Sessions by Wireless Clients

Session Title	Wireless Clients
1 ICANN61 Welcome Ceremony	989
2 Cross-Community Session: GDPR & WHOIS Compliance Models #	835
3 Public Forum 1	660
4 Cross-Community Session: Open Data & Information Transparency at ICANN: Developing Avenues Forward #	614
5 ICANN Board Meeting	568
6 GAC Discussion: GDPR & WHOIS Compliance Models	422
7 Joint Meeting: GAC & ICANN Board	416
8 GAC Discussion: IRP Standing Panel	403
9 GAC & PSWG Discussion: GDPR & WHOIS	389
10 ICANN Board Meeting	380
11 GAC Discussion: .amazon	379
12 Joint Meeting: GAC & GNSO	379
13 Joint Meeting: CPH & ICANN Board	349
14 Joint Meeting: ccNSO & GAC	348
15 GAC Discussion: New gTLD Subsequent Procedures, Work Track 5, Part 1	335
16 GAC: PSWG Update	331
17 GAC Opening Session	330
18 GAC Discussion: New gTLD Subsequent Procedures, Work Track 5, Part 2	328
19 GAC Discussion: Auction Proceeds	326
20 GAC: USRWG Meeting	319
21 GAC Discussion: Engagement in CCWGs & PDPs	310
22 GAC Discussion: Two-Character Country & Territory Codes at the Second Level	310
23 ICANN GDD: Registry & Registrar GDPR Compliance Model	308
24 GAC Discussion: IGO Protections for Red Cross & Red Crescent Protections	306
25 GAC: PSWG Meeting	304
26 Cross-Community Session: Name Collisions #	291
27 GAC Discussion: New gTLD Subsequent Procedures	290
28 Cross-Community Session: A Walk in the Shoes of a New gTLD Registry Operator #	280
29 Joint Meeting: ccNSO & ICANN Board	276
30 GAC: Geographic Names Working Group Meeting	275
31 Joint Meeting: GAC & UASG	263
32 Joint Meeting: GAC & ALAC	262
33 Joint Meeting: CSG & ICANN Board	256
34 GAC Preparation for Joint Meeting with ICANN Board	251
35 GAC Session: Operating Standards for Specific Reviews	248
36 Q&A with ICANN Organization Executive Team	245
37 GAC Communiqué Drafting	236
38 GAC Participation in CCWG-Accountability WS2 Update	226
39 ccNSO Members Day 1, Part 2	224
40 Tech Day, Part 1	208
41 ccNSO Members Day 2, Part 2	198
42 ccNSO Members Day 1, Part 1	198
43 GAC Discussion: Independent Secretariat	194
44 CCWG-IG Session	194
45 ccNSO Members Day 2, Part 3	189
46 Joint Meeting: ASO/NRO & ICANN Board	188
47 Tech Day, Part 2	187
48 GNSO Working Session	184
49 Joint Meeting: ALAC & ICANN Board	181
50 GAC Discussion: HLG M Preparation	181

## Network Statistics Data

Wireless Access Points	Unique Clients	Max Clients	Total Data [GB]	Avg Usage [Mbps]
ap7009	2,350	207	242.96	3.62
ap7057	2,275	108	94.18	1.22
ap7059	2,224	157	146.29	1.93
ap7016	2,190	129	199.08	3.43
Oap7102	2,043	180	70.49	1.05
ap7058	1,934	62	95.42	1.26
ap7017	1,882	64	105.06	1.35
ap7012	1,857	93	190.24	2.49
ap7040	1,832	77	142.58	1.82
ap7013	1,796	39	44.01	584.48 Kbps
ap7037	1,649	103	237.68	2.62
ap7039	1,617	106	154.21	2.71
ap7038	1,563	97	203.78	3.07
ap7020	1,554	134	205.32	2.77
ap7004	1,547	36	96.67	1.26
ap7010	1,531	114	262	3.02
ap7051	1,414	74	213.79	3.22
ap7018	1,407	34	30.38	404.29 Kbps
ap7042	1,370	119	211.14	2.44
ap7027	1,352	115	237.67	3.22
ap7097	1,324	61	65.48	965.2 Kbps
ap7024	1,183	96	218.81	2.95
ap7099	1,118	122	211.13	2.77
ap7029	1,106	61	163.46	2.23
ap7015	1,104	87	200.2	3.48
ap7088	1,087	66	78.68	1.16
ap7022	1,080	145	179.77	2.8
ap7023	1,057	189	251.83	3.9
ap7011	1,048	18	49.33	658.34 Kbps
ap7021	1,045	118	182.69	2.46
ap7041	1,041	83	230.01	2.66
ap7043	1,021	83	159.76	1.81
ap7096	1,000	62	37.39	551.18 Kbps
ap7025	993	85	168.14	2.27
ap7074	981	53	47.1	694.64 Kbps
ap7028	934	83	176.26	2.39
ap7007	925	71	141.67	1.64
ap7026	903	82	164.38	2.23
ap7078	900	68	70.72	1.94
ap7092	898	59	58.74	865.96 Kbps
ap7094	884	66	43.68	643.87 Kbps
ap7090	877	69	44.83	660.87 Kbps
ap7089	836	51	49.47	729.27 Kbps
ap7091	776	66	44.7	658.98 Kbps
ap7093	751	53	40.73	600.37 Kbps

ap#### = Aruba wireless access point model AP325

oap#### = Aruba outdoor wireless access point model AP270

## Network Statistics Data

ap7087	724	59	38.69	570.39 Kbps
ap7077	713	67	36.53	538.51 Kbps
ap7065	704	58	161.55	1.81
ap7071	704	61	90.4	1.33
ap7030	702	25	8.75	111.74 Kbps
ap7095	696	56	48.28	711.76 Kbps
ap7086	694	51	43.28	638
ap7036	694	57	74.56	1.13
ap7003	679	61	337.23	3.15
ap7002	666	80	383.92	3.58
ap7006	652	47	119.47	1.42
ap7076	620	32	46.67	688.36 Kbps
ap7067	599	85	113.77	2.1
ap7063	594	19	23.79	302.12 Kbps
ap7073	591	40	28.33	609.32 Kbps
ap7066	587	100	185.07	2.11
ap7008	585	34	30.96	413.43 Kbps
ap7072	556	54	39.28	579.3 Kbps
ap7035	522	58	68.44	1.03
ap7032	508	40	67.48	877.42 Kbps
ap7075	423	46	18.08	266.81 Kbps
ap7070	400	26	16.84	366.87 Kbps
ap7014	254	27	19.46	247.36 Kbps
ap7053	235	34	9.5	123.22 Kbps
ap7001	34	7	25.57	238.23 Kbps

ap#### = Aruba wireless access point model AP325

oap#### = Aruba outdoor wireless access point model AP270

# ICANN61 By the Numbers

For additional information or to make comments on this report, please contact: [meetings@icann.org](mailto:meetings@icann.org)

