



**RIPE NCC**  
RIPE NETWORK COORDINATION CENTER

# Introduction to RIPE Meetings

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# What will we talk about?



- The RIPE community and the RIPE NCC
- RIPE Policy Development Process
- RIPE meetings
- RIPE 92 programme
- Logistics
- Social events
- Parallel events

# About me



- Community Development Specialist
- At the RIPE NCC for 13 years
- Before
  - Organised the RIPE, ENOG and SEE meetings
  - RACI (the RIPE Academic Cooperation Initiative)
- Now part of Community Development
  - SEE, MENOG, CAPIF, RIPE NCC Days
  - Community events, NOGs
  - Internet governance
- Bulgarian, lives in Spain





# RIPE and the RIPE NCC

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- A community
- Formed in 1989
- No legal entity or formal membership
- Open, inclusive, bottom-up, transparent
- Sharing information and best practices
- Policy development

- Secretariat
- Formed in 1992
- Non-profit, membership organisation
- Neutral and independent
- Over 190 staff in offices in Amsterdam and Dubai
- Provides services
- Implements policies

# What is RIPE?



## Réseaux IP Européens

- French for "European IP Networks"
- Public archives
- Work is structured around:
  - Working Groups (WGs)
  - Task Forces (TFs)



Join the mailing list!

[ripe.net/mailman/listinfo/ripe-list](https://ripe.net/mailman/listinfo/ripe-list)



# Working Groups

- Address Policy
- Connect
- Cooperation
- Database
- DNS
- IPv6
- Measurements, Analysis and Tools (MAT)
- Open Source
- The Internet of Things (IoT)
- RIPE NCC Services
- Routing
- Security

**All Working Group and Task Force mailing lists:**

[ripe.net/participate/mail/ripe-mailing-lists](https://ripe.net/participate/mail/ripe-mailing-lists)

# Task Forces



- Best Current Operational Practices Task Force (BCOP)
- Recently closed:
  - DNS Resolver Best Common Practice Task Force
  - Code of Conduct
  - RIPE Database Requirements

**All Working Group and Task Force mailing lists:**

[ripe.net/participate/mail/ripe-mailing-lists](https://ripe.net/participate/mail/ripe-mailing-lists)



# RIPE Chair Team

- The role of the RIPE Chair is to ensure the smooth functioning of the RIPE community
- There is a RIPE Chair and RIPE Vice Chair



Mirjam Kühne  
RIPE Chair



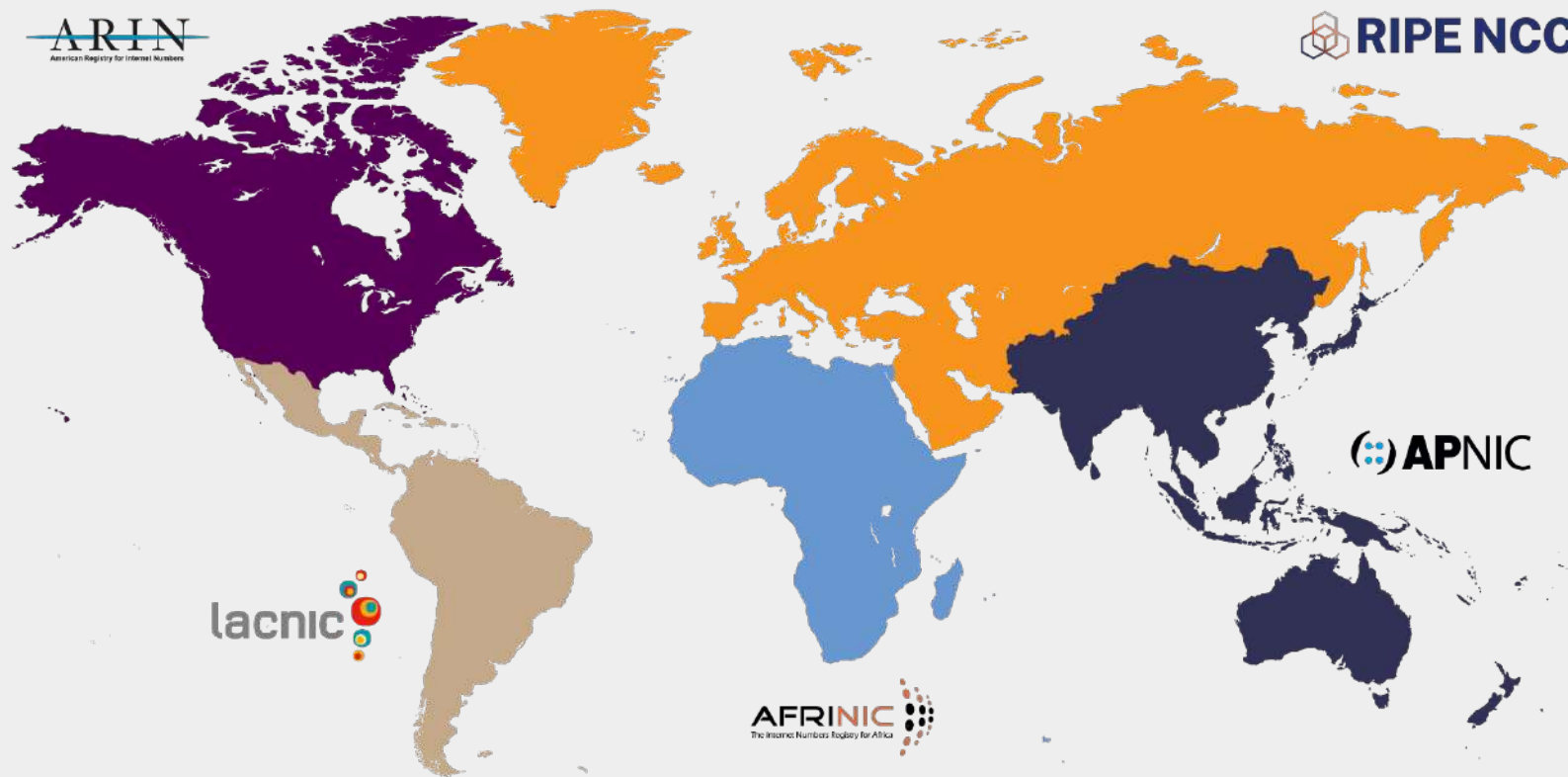
Anna Wilson  
RIPE Vice Chair

# The RIPE NCC



- One of five Regional Internet Registries in the world:
  - Allocates and registers blocks of Internet number resources to ISPs and other organisations
- Provides a number of technical services and tools
  - K-root, RIPE Atlas, RIPEstat, RIS
- Involved in public policy discussions and Internet governance

# Where are the RIRs?



# The RIPE NCC Executive Board



Ondřej Filip  
Chair



Piotr Strzyżewski  
Secretary



Raymond Jetten  
Treasurer



Maria Häll  
Member



Harald A. Summa  
Member



Sander Steffann  
Member



Randy Bush  
Member

<https://www.ripe.net/about-us/executive-board/>



# The RIPE Policy Development Process

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# The RIPE Policies

- Developed by and for the RIPE community
- Specify how Internet number resources (IPv4, IPv6 addresses, AS Numbers) are distributed, managed, registered and transferred
- Apply only to the RIPE NCC service region

# The RIPE Policy Development Process



- Proposals can be discussed on
  - Mailing lists / Forum / Social Media / Meetings
- Decisions based on
  - RIPE WG Mailing list discussions
- ‘Rough Consensus’
  - Properly address all concerns and objections
  - Work out differences
  - **No** voting or counting
- [ripe.net/participate/policies](https://ripe.net/participate/policies)



# Participate in the RIPE PDP

- Sign up for the Policy Development Process Announcements mailing list
  - [ripe.net/policy-announce](https://ripe.net/policy-announce)
- Join discussions about policy proposals
- Stay up-to-date with new policies
  - [ripe.net/publications/docs/ripe-policies](https://ripe.net/publications/docs/ripe-policies)
- Propose a new policy





# Who does what?

- The RIPE community:
  - Creates and discusses proposals
  - Seeks consensus
- RIPE Working Group (WG) chairs:
  - Accept proposals
  - Chair the discussions
  - Decide if consensus has been reached
- The RIPE NCC:
  - Acts as the secretariat to support the process
  - Publishes policy documents and implements them



# RIPE Meetings

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# What is a RIPE Meeting



- Five-day event where ISPs, network operators and other interested parties gather to
  - Discuss **policies and procedures** to allocate IP addresses and ASNs
  - **Discuss** current technical and policy issues
  - **Share** experiences, latest developments and best common practices
  - **Network** with peers
- Usually held twice a year



# RIPE NCC General Meeting



- Discuss the RIPE NCC operations and activities
- Give feedback on the draft RIPE NCC Activity Plan and Budget
- Vote on
  - Charging Scheme
  - Executive Board
  - Financial Report
  - Other resolutions
  - It's a separate meeting
- Open to RIPE NCC members only



# Newcomers



- Around 25% of the attendees are newcomers
- On Monday
  - Newcomers Introduction
  - Newcomers Lunch
  - Meet & Greet desk
- On Friday
  - Newcomers Lunch
- We want to hear from you:
  - Come to the mic
  - Talk to us during the coffee breaks





# RIPE 92 Programme

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# Types of sessions



- Decided by the Programme Committee (PC)
  - Plenary
  - Tutorial
  - Birds of a Feather (BoF)
- Decided by the Working Group Chairs
  - Working Groups
- Topics are expected to be non-commercial
- The General Meeting is a separate meeting that takes place at the same time.\*

# Interactive Meeting Plan



	Monday, 18 May	Tuesday, 19 May	Wednesday, 20 May	Thursday, 21 May	Friday, 22 May	
08:30	Welcome Coffee		Welcome Coffee		Welcome Coffee	
09:00	Tutorial	Plenary	Connect	Open Source	IPv6	Database
09:30						
10:00					GM Results	Coffee Break
10:30	Coffee Break		Coffee Break		Coffee Break	
11:00	Coffee Break		Routing	Cooperation	Address Policy	DNS
11:30	Newcomer's Introduction					
12:00						
12:30	Lunch	Newcomers' Lunch	Lunch	Lunch	Lunch	Lunch
13:00						
13:30						
14:00	Opening Plenary		Plenary		RIPE NCC Services	
14:30				Address Policy	IoT	
15:00						
15:30	Coffee Break		Coffee Break		Coffee Break	
16:00						
16:30	Plenary	MAT	Security	General Meeting		RIPE Community Plenary
17:00						
17:30	Coffee Break		Coffee Break		Coffee Break	
18:00						
18:30	BoF	Diversity, Equity and Inclusion in Tech		BoF	BoF	

## Legend

Main Room
Side Room
General Meeting
Intermission

# RIPE Meeting Archives



- RIPE Meeting sessions are recorded and archived
- You can find the videos at:
  - [ripe91.ripe.net/presentations/presentation-archive](https://ripe91.ripe.net/presentations/presentation-archive)
  - where XX is the number of the RIPE meeting (90, 89, etc)
- WG sessions are also minuted
- Watching the recordings will give you a good idea of the work of the Working Groups

# Programme Committee



**Massimiliano Stucchi**  
PC Chair



**Brian Nisbet**  
Vice Chair



**Osama Al-Dosary**  
MENOG Representative



**Jan Žorž**  
SEE Representative



**Linda Shannon**  
Local Host Representative



**Amedeo Beck Peccoz**



**Annika Hannig**



**Kevin Meynell**



**Clara Wade**



**Babak Farrokhi**



**Antonio Prado**



**Matt Parker**

# Working Group Chairs



## Address Policy



Franziska  
Lichtblau



Leo Vegoda



Alex  
le Heux

## Connect



Will  
van Gulik



Paul  
Hoogsteder



Stavros  
Konstantaros

## Cooperation



Achilleas Kemos



Julf Helsingius



Desiree Miloshevic

## Database



David Tatisu



Peter Hessler

## DNS



Yevheniya  
Nosyk



Moritz Müller



Ulrich Wisser

## IoT



Peter Steinhäuser



Anna Maria  
Mandalari

## IPv6



Raymond  
Jetten



Christian  
Seitz



Wolfgang Tremmel

## MAT



Nina Bargisen



Massimo  
Candela



Stephen  
Strowes

## Open Source



Marco d'Itri



Marcos Sanz



Sasha Romjin

## RIPE NCC Services



Rob Evans



Stefan Wahl



János Zsakó

## Routing



Ignas  
Bagdonas



Sebastian  
Becker



Ben  
Cartwright-Cox

## Security



Brian Nisbet



Markus de Brün



Tobias Knecht

# Not too late to submit Lightning Talks!



- Great way to make a first impression!
- 10 minutes, including Q&A
- May or may not include slides
- Announced on short notice
- [ripe92.ripe.net/present/call-for-presentations](https://ripe92.ripe.net/present/call-for-presentations)



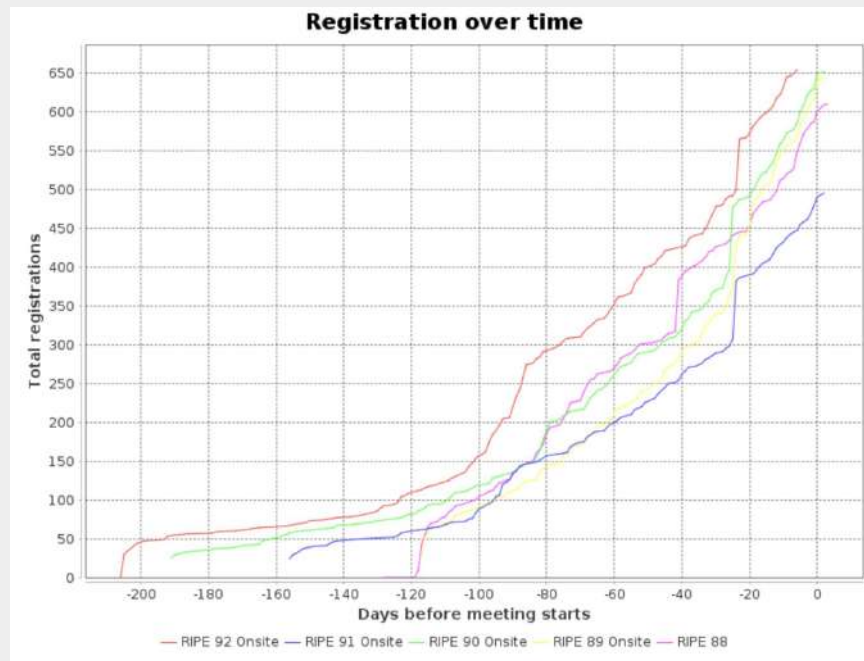
# Logistics

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# Registration Stats On Site



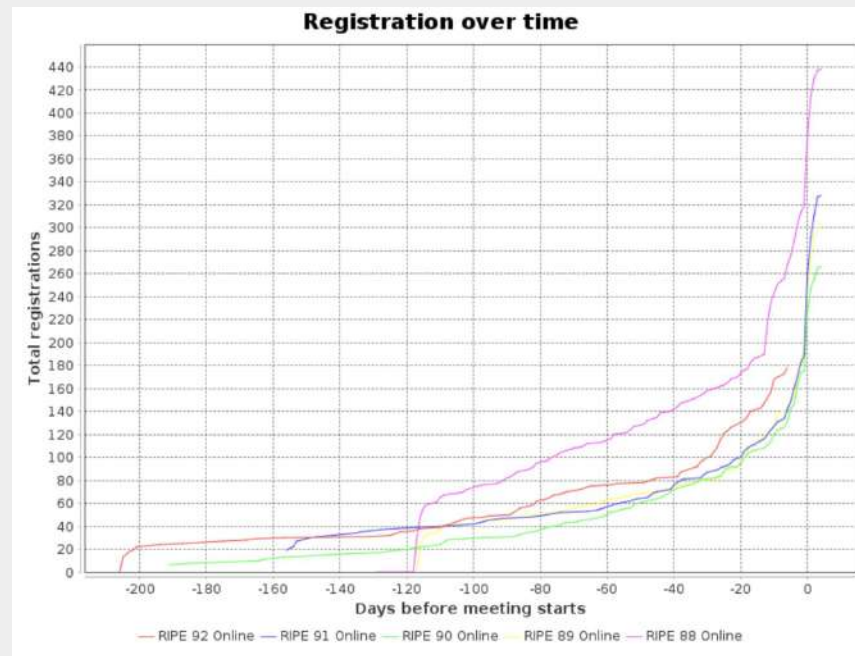
- 654 registrations so far
  - 143 newcomers
  - 158 members
  - 62 staff
  - 60 countries
- Attendee list
  - Can view profile picture and contact details once logged in
  - [ripe92.ripe.net/attend/attendee-list](https://ripe92.ripe.net/attend/attendee-list)



# Registration Stats Online



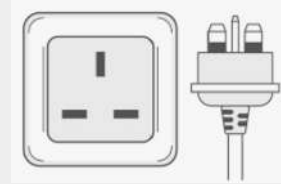
- 178 registrations so far
  - 71 newcomers
  - 52 members
  - 55 countries
- Attendee list
  - Can view profile picture and contact details once logged in
  - [ripe92.ripe.net/attend/attendee-list](https://ripe92.ripe.net/attend/attendee-list)



# Country and Venue



- Currency: pound sterling (£, GBP)
- Electricity socket type G
- Dialing country code: +44
  
- Edinburgh International Conference Centre  
The Exchange, 150 Morrison St  
Edinburgh EH3 8EE  
Tel: +44 131 300 3000
  
- No parking on site
- Off-site options: ParkBee Capital Square, Q-Park Capital Square, Sheraton Grand Hotel, NCP Castle Terrace
- Blue Badge (accessible) street parking is available along Morrison Street and nearby streets close to EICC



# Getting to the Venue



- Uber, FreeNow, Bolt
- From airport:
  - Taxi: 25 min drive (£25–£35 ~ €29-41)
  - Airlink 100 Bus to Haymarket Station: 25-30 min (£8.50 ~ €10)
  - Tram to Haymarket Station: 30-35 min (£7.50 ~ €8.7)
- From the venue:
  - 9 min walk to Haymarket Station
  - 14 min walk to Edinburgh Castle
  - 23 min walk to Waverley Station
- [ripe92.ripe.net/on-site/getting-there](https://ripe92.ripe.net/on-site/getting-there)

# About Edinburgh



- GMT +1 / UTC+1 time zone
- Debit card payments are common - ask if places accept credit cards and cash
- Mostly safe, the usual big city, common sense safety rules apply
- Emergency numbers: 112 or 999
- [ripe92.ripe.net/on-site/guide-to-city/](https://ripe92.ripe.net/on-site/guide-to-city/)

Sun 17th	Mon 18th	Tue 19th	Wed 20th	Thu 21st	Fri 22nd	Sat 23rd
 14° 8°	 14° 7°	 14° 8°	 16° 9°	 17° 9°	 17° 11°	 18° 10°



- In your confirmation email you will receive a link to the Meetecho Desktop
- You will enter the platform as 'Participant' with the name entered during registration
- Participants will be recognised by the laptop icon next to their name
- The platform allows you to
  - View the presentations
  - Use the chat
  - Join the mic/video queue
  - Ask questions in writing
  - View stenography
  - Join polls
  - Change rooms

## Join the queue



To speak, click the microphone or camera icon.

This will add you to the queue.

## Ask questions



Type your question in the Q&A window.

Your question will be read out.

## Chat



Chat with your fellow attendees in the Chat window.

# Mentoring



- Matching experienced community members with newcomers
- Provide your mentor with an idea of what you want to achieve at the RIPE Meeting and how they can help you
- Contact your mentor when you have questions

# Social Events



- Welcome Reception (Mon)
- Networking Event (Tue)
  - The Dome Edinburgh
- Board Games BoF (Wed)
- RIPE 92 Dinner (Thu)
  - Dynamic Earth
- Arthur's Seat Walk (Fri)



# Other things going on...



- Newcomers' Kahoot! quiz on Monday
- Grab a yellow lanyard from reg desk if you don't want to be in photos
- Masks and COVID-19 self-tests available at the registration desk
- Look out for informal gatherings set up by other attendees...
  - Some of them get posted on the forum ([forum.ripe.net](https://forum.ripe.net))





# Other things going on...

- RIPE NCC Services Desk
- IT Support Desk
- Assisted Registry Checks (ARCs)
- RIPE Academy needs assessment
- User Testing for self-check ARC
- RACI poster sessions
- IPv6 Advanced Kahoot quiz



# Parallel Events

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# Parallel Events



- OARC 46 (DNS-OARC Workshop) - 16 and 17 May
- Internet Integrity Workshop III: Residential Proxies - 18 May

[ripe92.ripe.net/programme/parallel-events](https://ripe92.ripe.net/programme/parallel-events)

# Certified Professionals Exams at RIPE 92



- Book your exam: [ripe92.ripe.net/programme/parallel-events/ripe-ncc-certified-professionals](https://ripe92.ripe.net/programme/parallel-events/ripe-ncc-certified-professionals)
- Prepare: [academy.ripe.net](https://academy.ripe.net)
- Slots available on a first-come, first-served basis
- ~ 60 minutes, arrive ~15 minutes prior; bring a photo ID



## LIR Fundamentals

This exam certifies the ability to manage an LIR's Internet number resources as an LIR administrator.



## IPv6 Fundamentals - Analyst

An IPv6 Fundamentals – Analyst is proficient in calculating IPv6 subnets according to current best practices and creating IPv6 addressing plans.



## RIPE Database Associate

A RIPE Database Associate is proficient in searching for and interpreting data in the RIPE Database. Candidates who hold this certification have demonstrated the ability to update and register data in the RIPE Database.



## BGP Security Associate

A BGP Security Associate can choose the appropriate security measures to protect networks against common threats. They contribute to global routing security by making Internet routing more secure and reliable.



## IPv6 Security Expert

An IPv6 Security Expert is capable of designing a high-level strategy to protect an IPv6 network against common threats. A holder of this badge has demonstrated the ability to identify and analyse common IPv6 security threats and their impact, and create a plan to counter them.



# Beyond RIPE 92

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# Fellowship



- Aims to increase participation from under-represented regions and groups
- Receive ticket, flight and accommodation for the meeting
- Expanded coaching and learning component
- Call for applications for RIPE 94 and RIPE 95 will open in autumn
- [ripe.net/fellowship](https://ripe.net/fellowship)



# RIPE Academic Cooperation Initiative (RACI)



- Connect RIPE with the research community
- Offers academics the chance to present to industry, make connections and get feedback
- Receive ticket, flight and accommodation for the meeting
- Call for applications closes two months before the meeting
- [ripe.net/raci](https://ripe.net/raci)

# Regional Meetings



[ripe.net/see](https://ripe.net/see)



[ripe.net/capif](https://ripe.net/capif)



[menog.org](https://menog.org)

# To Do: Set Your Personal Goals



- Get to know some of the RIPE Chair team, the Working Group Chairs, the Programme Committee, and the RIPE NCC Executive Board
- Read about the RIPE NCC Policy Development Process (PDP)
- Make a list of **your goals** for the RIPE Meeting
  - Which sessions interest you? Check the agenda.
  - Who would you like to connect with? Check the attendee list.
- Plan your trip
- Register in advance if you want to take a RIPE NCC Certified Professionals exam
- Decide if you want to submit a Lightning Talk



# THANK YOU FOR JOINING US



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[meeting@ripe.net](mailto:meeting@ripe.net)