



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Government Engagement in RIPE Policies and Database

Marco Schmidt | ME Round Table, Dubai | 5 December 2019



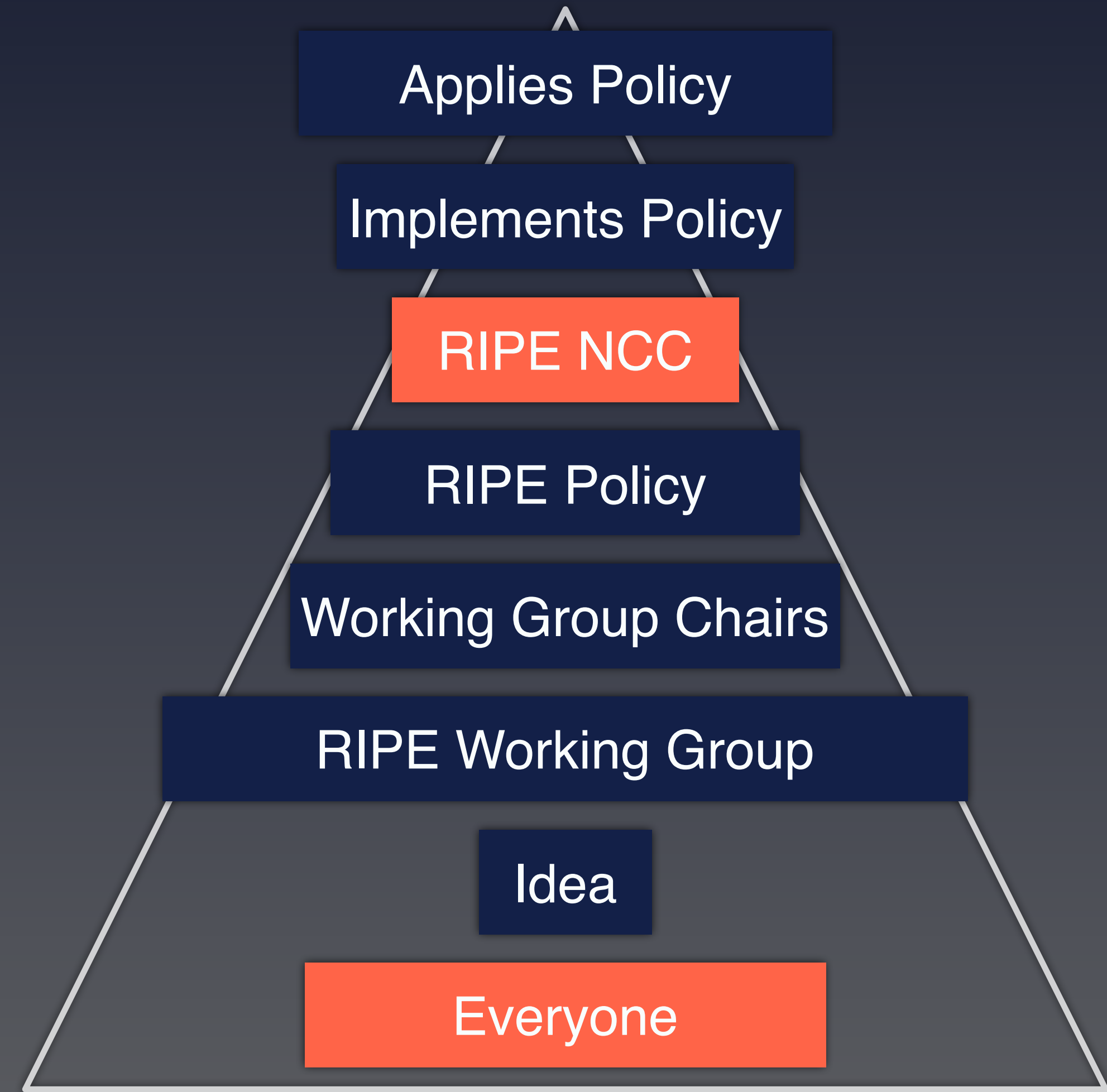
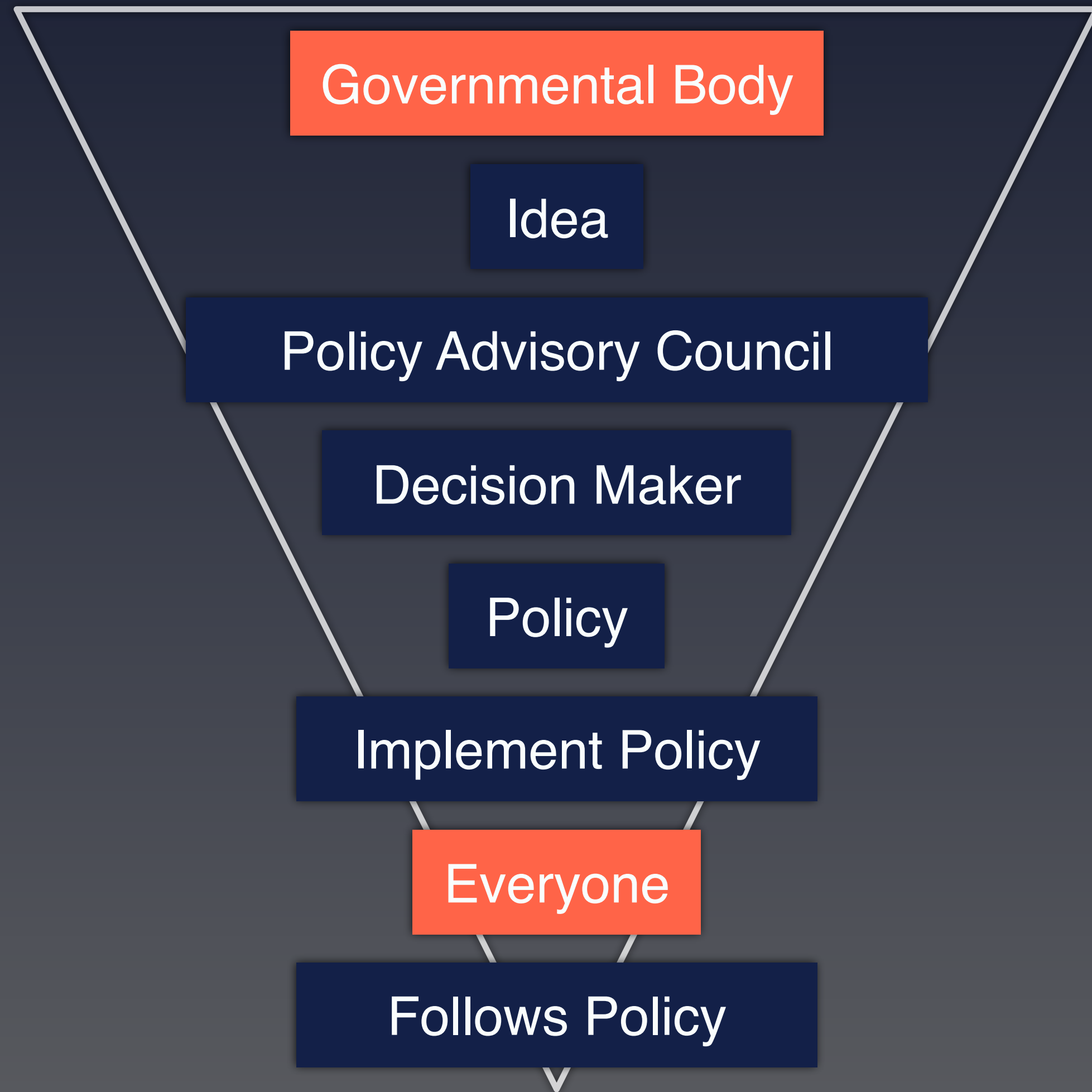
RIPE Policies

RIPE Policy Development Process



- Policy development in RIPE is done via Working Groups — following an open, bottom-up, consensus-based approach.
- Working Groups are open to everyone, participation is done via mailing lists.
- RIPE policies define rules for IPv4, IPv6 and AS Number, RIPE NCC services and more.
- Participation from the Middle East is missing.

Top Down VS Bottom Up



How does it work?



Government Engagement in PDP



- New criteria for the evaluation of large IPv6 allocation requests
 - ▶ co-author: UK Ministry of Defence
- Future improvements for IPv6 allocation requirements
 - ▶ co-author: German Government (consultant)
- Abuse-mailbox validation in RIPE Database
 - ▶ co-author: Europol
- Legal address requirement in RIPE Database
 - ▶ co-author: Europol



Recent Policy Discussions



- Waiting List based on an allocation size of /24 once the RIPE NCC's free IPv4 pool is exhausted
- BGP hijacking is not accepted as normal practice within the RIPE NCC service region
- Increase the reserved IPv4 pool for IXPs
- Delete non-authoritative route object, if it conflicts with an RPKI ROA



Current Open Policy Proposals



- 2019-04 (Validation of “abuse-mailbox”)
- 2019-06 (Multiple Editorial Changes in IPv6 Policy)
- 2019-07 (Default assignment size for IXPs)
- 2019-08 (RPKI ROAs for Unallocated and Unassigned RIPE NCC Address Space)

ripe.net/current-proposals



The RIPE Database

What's in the RIPE Database?



- Internet number resources
 - IP addresses and AS Numbers registered by the RIPE NCC
 - Legacy resources (pre-dating the RIR system)
- Organisations that hold these resources (ORGs)
- Points of Contact for resources or organisations (POCs)
- Reverse DNS delegations
- Routing policies

Who relies on the RIPE Database?



- Network operators, for daily operations
- Academics for, research
- IPv4 transfer brokers, supporting legitimate holders
- LEAs, for investigations
- Internet users, to find abuse-contact information



**Who Updates This
Information?**

What We Maintain



- Key resource holder information
- All resources that we have registered to a resource holder

What Resource Holders Maintain



- Contact information
 - Postal address
 - Phone number
 - Email
 - Abuse contacts
- Routing information
- Reverse DNS information
- Usage information and delegations

What We Expect from Resources Holders



- Inform us about legal changes and provide supporting documentation
- Keep their data up to date
- Cooperate with our audit and Assisted Registry Check (ARC) activities

Rules of correct registration are defined by RIPE Policies and RIPE NCC procedures.

How We Ensure Accuracy



- The RIPE NCC implements due diligence controls
 - Before the registration
 - After the registration
- Through contractual relationships
 - Between the RIPE NCC and the LIRs
- Verifying compliance with RIPE policies
- Performing audits, Assisted Registry Checks (ARCs)

What Other Database Users Can Do

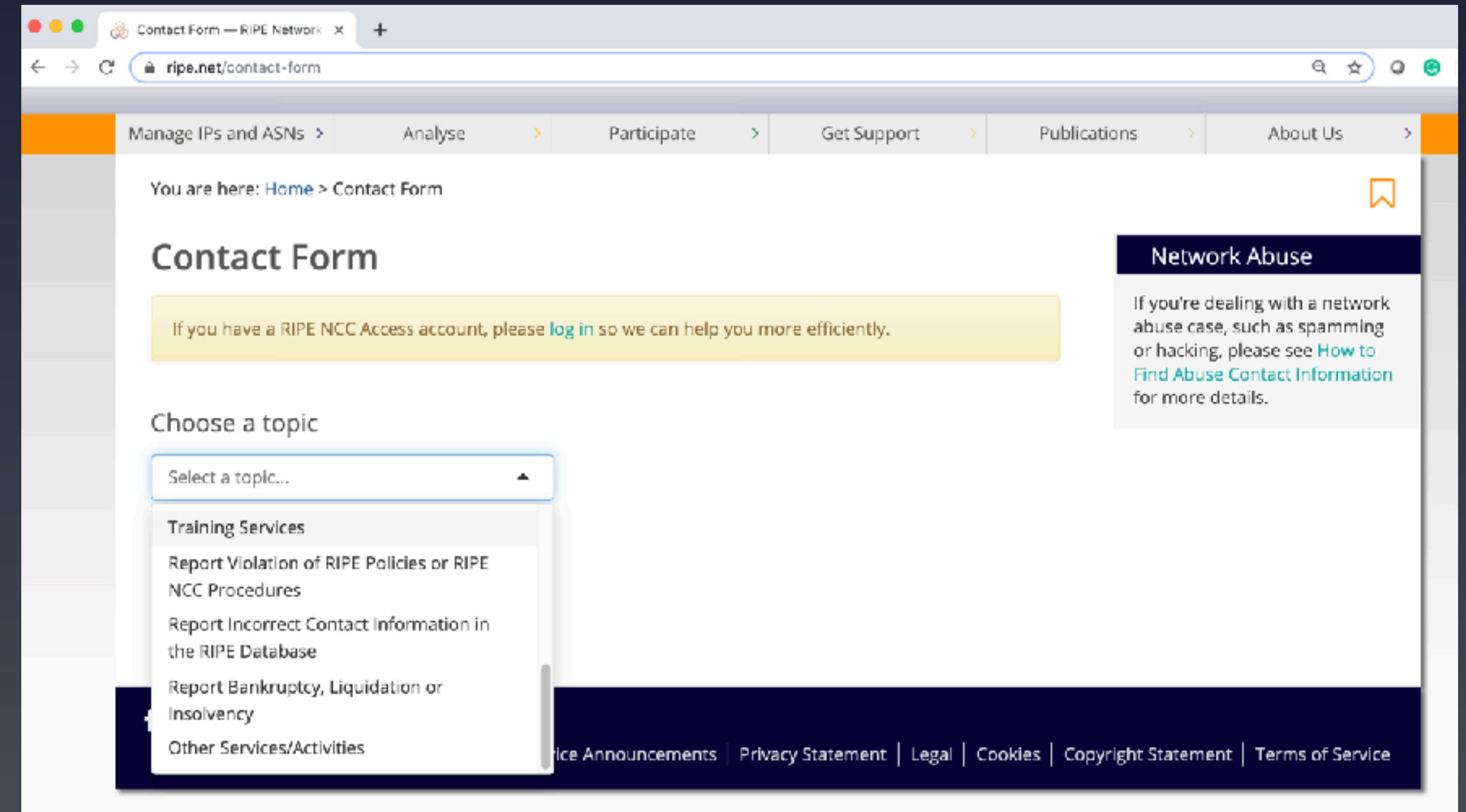


- Report incorrect information in the RIPE Database to the RIPE NCC
- Contact form: ripe.net/contact-form

What to Report?



- Violation of RIPE Policies or RIPE Procedures
- Incorrect contact information in the RIPE Database
- Bankruptcy, liquidation or insolvency



To Summarise



- RIPE Policies
 - Important and easy to get involved with
 - Government engagement is welcome
 - Participation from the Middle East is missing
- RIPE Database
 - Multiple information about Internet Number Resources
 - Shared responsibility between RIPE NCC and resource holders
 - Aim for high data accuracy



Questions



mschmidt@ripe.net
[@ripencc](#)