

# Proposal for a SCION Working Group

Birds of a Feather Session at RIPE82

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**ETH** zürich



SCION

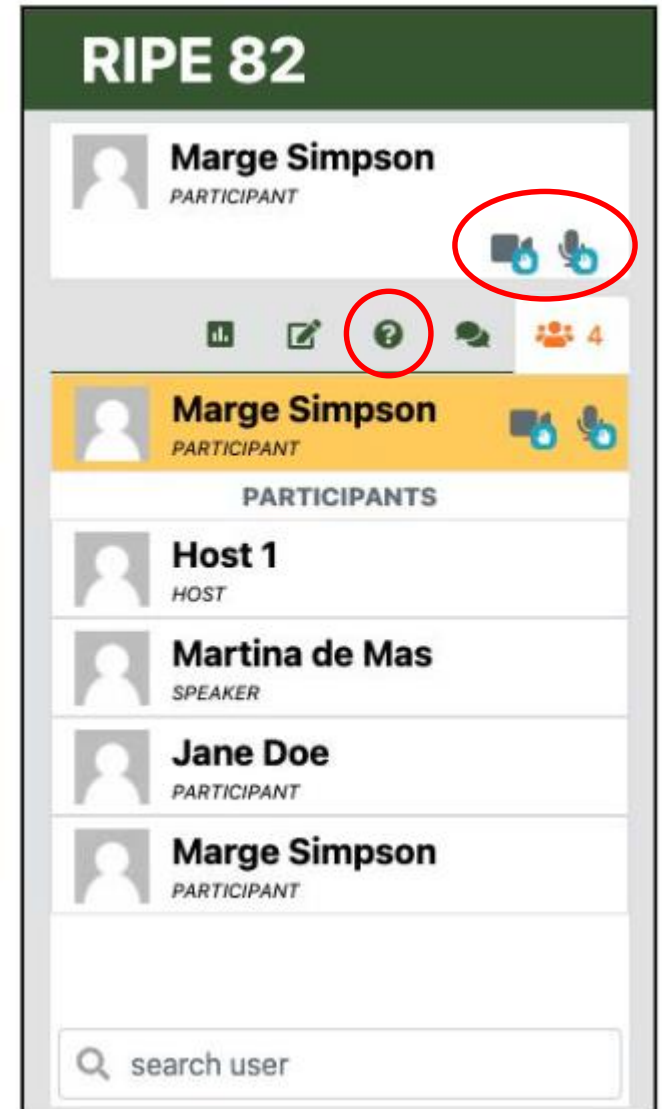
**RIPE82**  
VIRTUAL | 17 - 21 May

# Welcome

- Thanks to the RIPE82 organizers and PC
- Thanks to all the BoF speakers, supporters, and participants
- Thanks to Caspar Schutijser (SIDN Labs) for serving as secretary

# Logistics

- How to ask a question:
  - Ask for audio and video access: press on mic (and video) icon at the top
  - Write a question: press 'Q&A' icon and include your affiliation in your question



# What this SCION BoF is about

- SCION: A Novel Internet Architecture
  - <https://labs.ripe.net/author/hausheer/scion-a-novel-internet-architecture/>
- Second BoF follows up on the momentum created by the first BoF@RIPE81
  - Should RIRs assist with registration of SCION resources (SCION ISDs, ASNs)?
  - Should RIRs take on similar role as in RPKI for issuing SCION AS certificates?
- Discuss Proposal for a SCION Working Group at RIPE
  - Draft WG Charter: <https://ripe82.ripe.net/wp-content/uploads/presentations/10-SCION-RIPE-WG-Charter.pdf>

# Agenda

- David Hausheer (OVGU Magdeburg): Welcome and Introduction (5')
- Samuel Hitz (Anapaya): SCION ISD Registration, AS Numbers, and Certificates (10')
- Fritz Steinmann (SIX): SCION Challenges and Risks for Certificate Issuing and AS Number Assignment on the Example of the Secure Swiss Finance Network (5')
- BoF Discussion: SCION RIPE WG Charter and Goals (40')
  - Moderators: David Hausheer (OVGU), Adrian Perrig (ETHZ), Stavros Konstantaras (AMS-IX)
  - Secretary: Caspar Schutijser (SIDN Labs)
  - Supporters: Jeroen van de Lagemaat (NDIX), Joeri de Rooter (SIDN Labs), Steven Bakker (AMS-IX), Simon Leinen (SWITCH), Marijke Kaat (SURF), Ronald van der Pol (SURF), Daniel Kopp (DE-CIX)

# Poll – Two Questions to Begin With

- Caspar Schutijser (SIDN Labs)
- Were you at the previous SCION BoF?
- What is your experience with SCION?
  - None
  - I heard about it
  - I played with it
  - Practical experience
  - I'm an expert.



Press the poll symbol

# BoF Discussion: SCION RIPE WG Charter and Goals (Draft Proposal)

The SCION WG will:

- Raise awareness in the RIPE community about the role of RIRs and LIRs in the SCION architecture
- Facilitate discussion about registration of SCION resources: establishment of SCION ISDs, assignment of SCION AS numbers, provision of SCION AS certificates (similar to the role of RIRs in RPKI)
- Define, discuss and set up a pilot for the registration and certification of SCION resources:
  - Year 1: Deliver a first version of the pilot specification
  - Year 2: First pilot implementation, collection of feedback and experience
  - Year 3: Define and implement revised version of the specification
  - Year 4: Consider permanent implementation of the SCION registry and certification
- Hold sessions during RIPE meetings twice a year, and remote sessions outside of RIPE meetings
- Monitor and take part in related WGs: Address Policy WG, Routing WG, RIPE NCC Services WG

# BoF Discussion Items

- SCION WG: Why we need it
  - Relation to other RIPE WGs: Address Policy, Routing, RIPE NCC Services
- Standardization plans
- Pilot for the registration and certification of SCION resources
  - Planned deliverables and timeline
  - Request to RIPE NCC to give out the SCION ISD and AS numbers
- WG organisation: Type of meetings, chair selection scheme, etc.



# Wrap-up

- Slides are available here:
  - <https://ripe82.ripe.net/presentations/presentation-archive/>