

# US National Committee

## NGN Benefits and Mentoring Program Webinar



**cigre**

For power system expertise

# Agenda

- Benefits of CIGRE Membership
- CIGRE Study Committees
- USNC Representatives to CIGRE Study Committees
- 2020 CIGRE Paris Session USNC Synopses Selection Process
- CIGRE USNC 2019 GOTF Paper Submission and Evaluation Process
- CIGRE USNC NGN Mentoring Flowcharts – Old vs New Process Steps
- Working Groups Member Selection Process
- CIGRE WG and Convener Origins
- Ladies in CIGRE WGs Origins
- Ladies in CIGRE WG Convener Origins

# Benefits of CIGRE Membership

- Global Perspective and Understanding of Technology
  - Regional Differences (business case, industry standards, customer needs)
  - WG Participation
- Leadership Opportunities
  - NGN Leadership Positions
  - USNC Leadership Positions
- Networking Opportunities
  - NGN Colleagues
  - Senior Colleagues
- International Travel Opportunities
  - Attend CIGRE Paris Session every Two Years (even years)
  - Many WG/SC Meetings Held Outside North America

# CIGRE Study Committees

- A1-Rotating Electrical Machines
- A2-Power Transformers & Reactors
- A3-Transmission & Distribution Equipment
- B1-Insulated Cables
- B2-Overhead Lines
- B3-Substations & Electrical Installations
- B4-DC Systems & Power Electronics
- B5-Protection & Automation

# CIGRE Study Committees

- C1-Power System Development & Economics
- C2-Power System Operation & Control
- C3-Power System Environmental Performance
- C4-Power System Technical Performance
- C5-Electricity Markets & Regulation
- C6-Active Distribution Systems and Distributed Energy Resources
- D1-Materials and Emerging Test Techniques
- D2-Information Systems & Telecommunication

# USNC Representatives to CIGRE Study Committees

- A1-Bill Moore (EPRI)
- A2-Mike Lamb (Dominion Energy)
- A3-Albert Livshitz (CE Power)
- B1-Mohammad Pasha (United Illuminating)
- B2-Jennifer Havel (BPA)
- B3-John Randolph (PG&E)
- B4-Neil Kirby (GE Grid Solutions)
- B5-Rich Hunt (GE Grid Solutions)

# USNC Representatives to CIGRE Study Committees

- C1-Jeff Palermo (PJP Consulting)
- C2-Todd Ramey (MISO)
- C3-Randy Grass (POWER Engineers)
- C4-Theo Laughner (PowerGrid-RX Inc.)
- C5-Adam Keech (PJM Interconnection)
- C6-Jason Taylor (EPRI)
- D1-Luke Van der Zel (EPRI)
- D2-Chen-Ching Liu (Virginia Tech)

# USNC Additional Members to CIGRE Study Committees

- A1-Hugh Zhu (Doble Engineering)
- A2-None
- A3-None
- B1-Rusty Bascom (Electrical Consulting Engineers)
- B2-Doug Proctor (Proctor Engineering)
- B3-None
- B4-David Roop (MEPPI)
- B5-Mladen Kezunovic (Texas A&M University)



# USNC Additional Members to CIGRE Study Committees

- C1-Russ Gentile (Sargent & Lundy)
- C2-None
- C3-Regina-Guofang Gao (ABB) (Observer)
- C4-None
- C5-None
- C6-Sundar Venkataraman (GE Power)
- D1-Bill Larzelere (Evergreen High Voltage)
- D2-None

# 2020 CIGRE Paris Session USNC Synopses Selection Process



1. 75 Abstracts Received and Forwarded to USNC Study Committee Reps for their Advisory Committee Review (47 Received for 2018; 48 Received for 2016)
2. Abstracts Reviewed and Scored with Following Criteria:
  - Relevance to SC Preferential Subjects
  - Technical Content
  - Clarity of Synopsis
  - Avoid Commercialism
3. Abstract Recommendations Combined and Overall Ranking Created with the Following Criteria:
  - Balance Between SCs and Preferential Subjects
  - Highest Recommendations of Reviewers
  - International, National and Additional Commitment Allotments Requirements
4. 60 Synopses Submitted to Paris (Acceptance Notification on October 15)
5. Historical Acceptance Rate: 27/30 (90%) Accepted for 2018, 93% for 2016, 87% for 2014, 83% for 2012

## CIGRE USNC 2019 GOTF Paper Submission Process

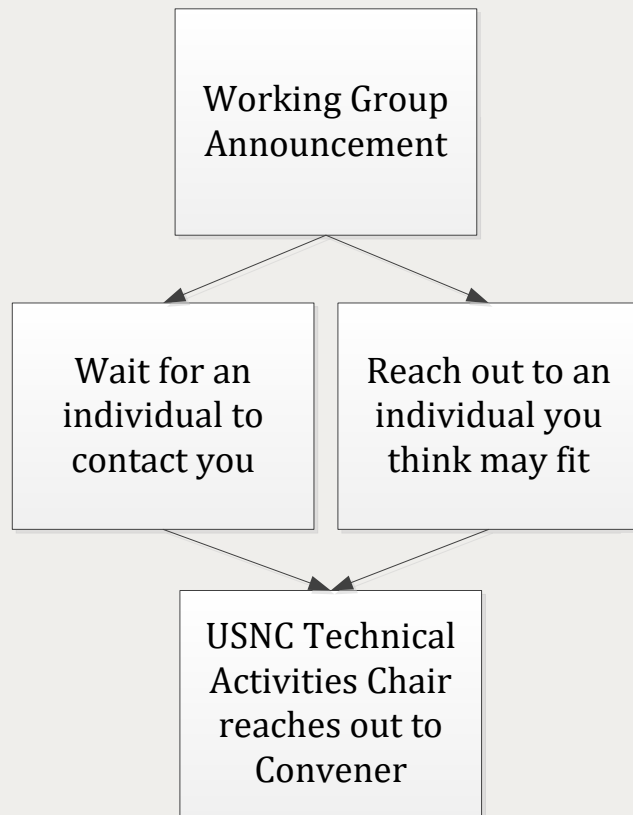
- Call For Papers
  - Theme: Technology for the 21<sup>st</sup> Century Electric Utility
- No Abstract Step – Full Papers Only – Submitted by August 9, 2019
- Use Paper Preparation Template

# CIGRE USNC 2019 GOTF Paper Evaluation Process

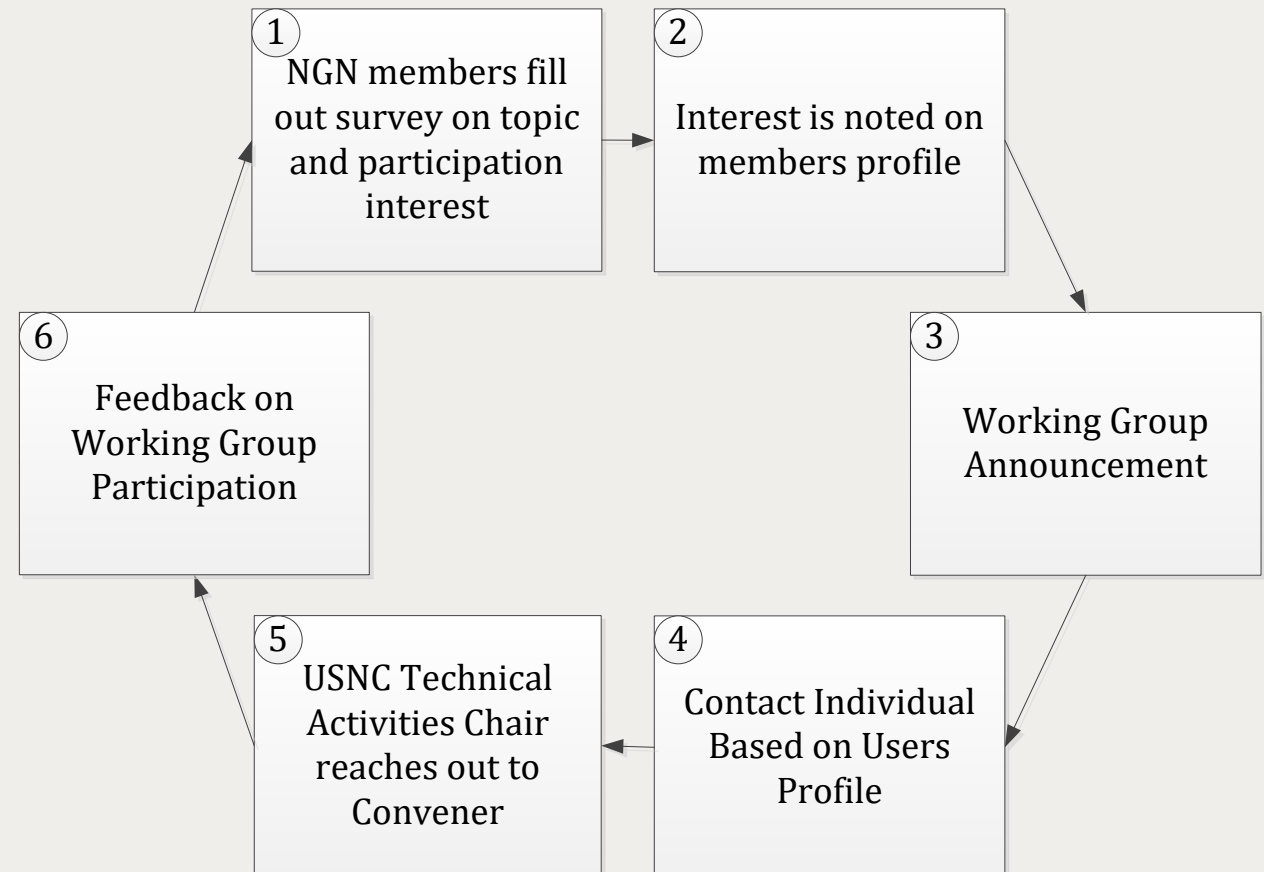
- Submitted Papers Forwarded to USNC Study Committee Reps for their Advisory Committee Review
- Evaluation Criteria
  - Novel and Innovative Technical Content (Concept with Implementation Results)
  - Clarity of Paper
  - No Commercialism
  - Adherence to Required Formatting (Use Paper Preparation Template)

# Next Generation Network (NGN) Activities – Mentoring

Old Methodology:



New Methodology:

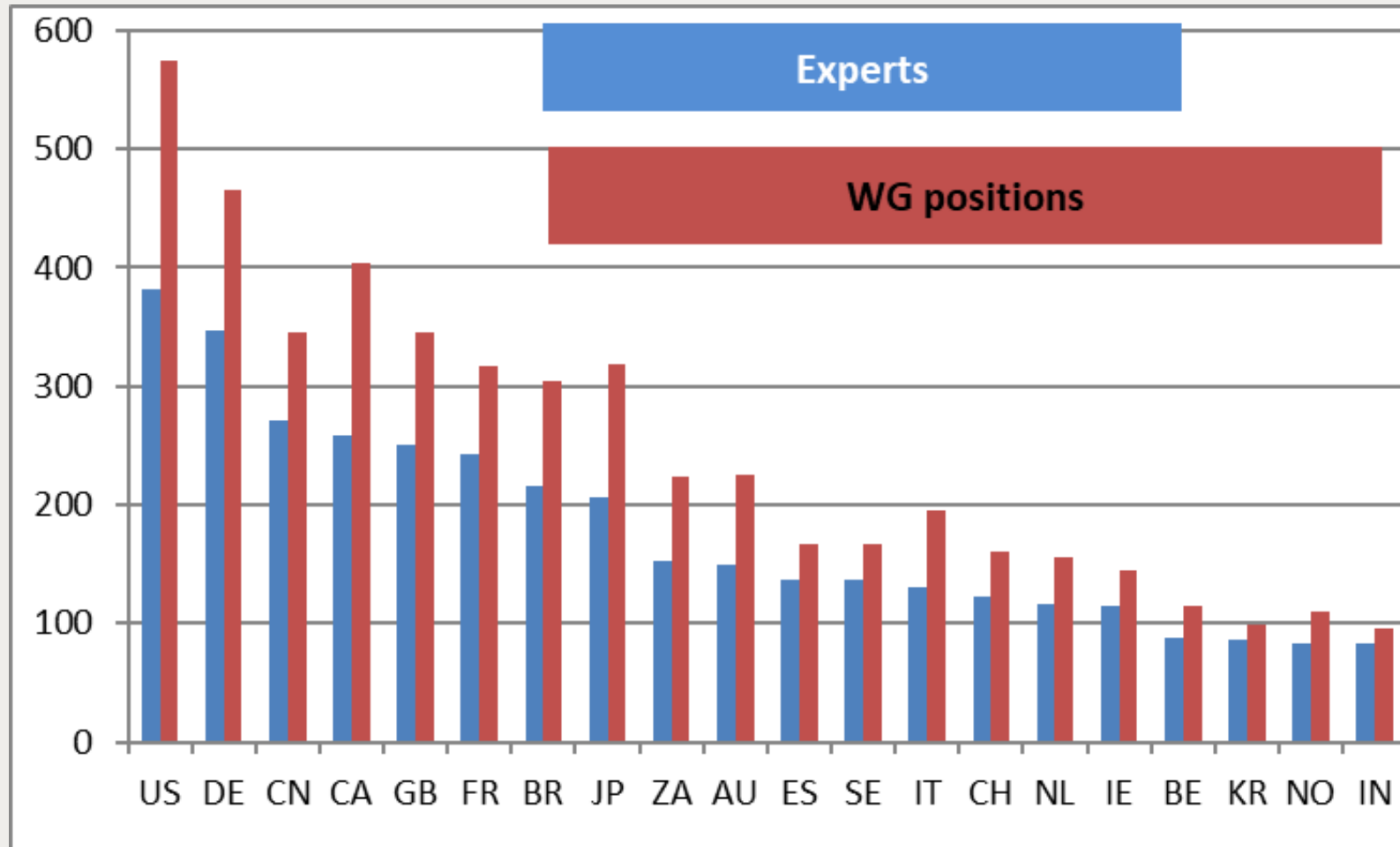


# Working Groups Member Selection Process

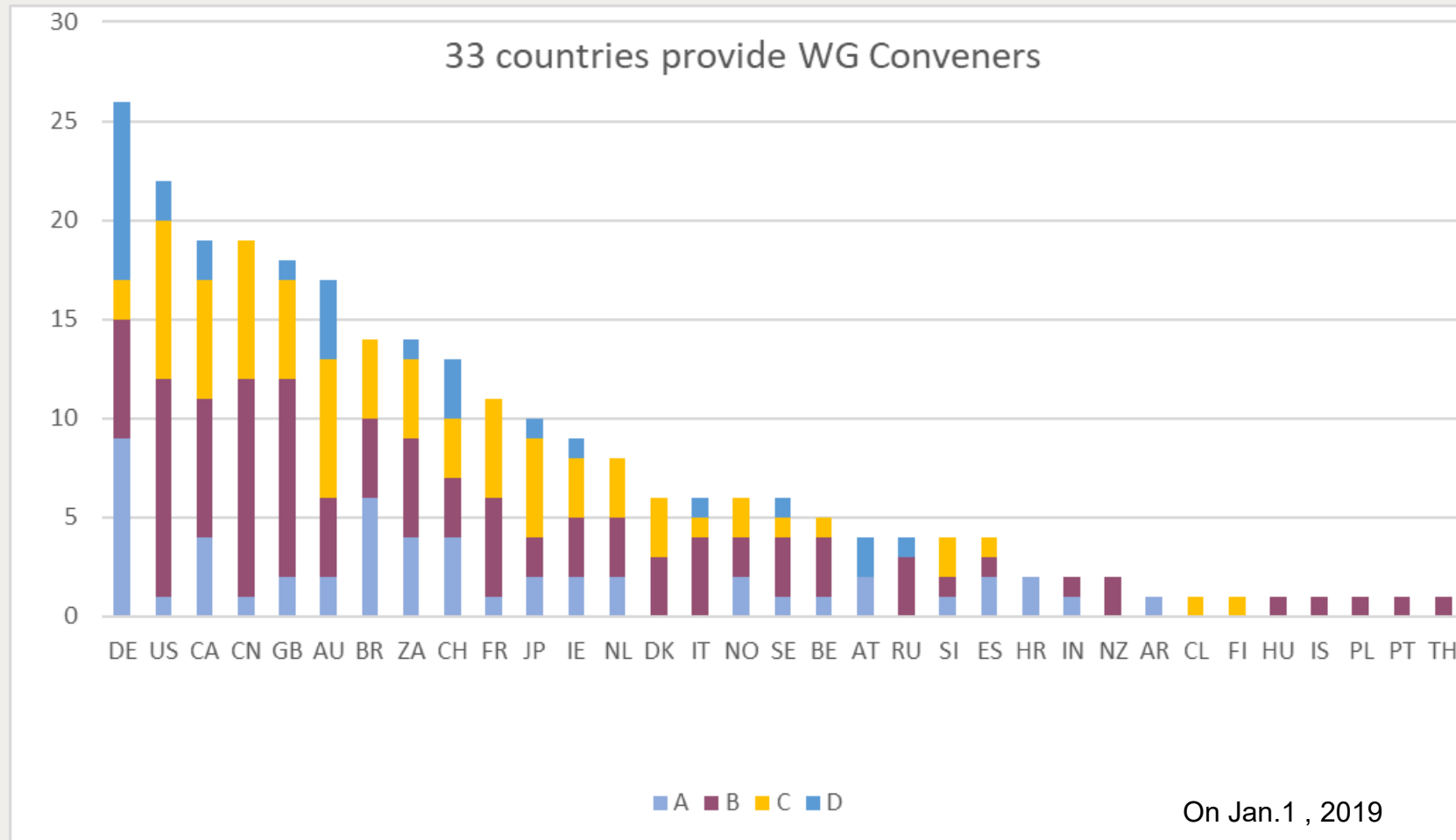
- Interested candidates must have Individual Member dues paid and send CV
- USNC VP, Technical Activities VP submits candidate's CV directly to Convener
- USNC VP, Technical Activities VP requests Convener to confirm candidates' membership
- Expectation => Members and NGN Members attend WG meetings; Observer Members participate in WG meetings remotely
- If more than two candidates are interested in same WG, USNC VP, Technical Activities VP establishes a "Shadow WG" within the USNC
- CIGRE Policy => Limit of one Member and one NGN Member from each country on each CIGRE WG (if have an Observer Member must be in place of a Member or NGN Member)

# Synthesis of the 2018 Review

20 first countries

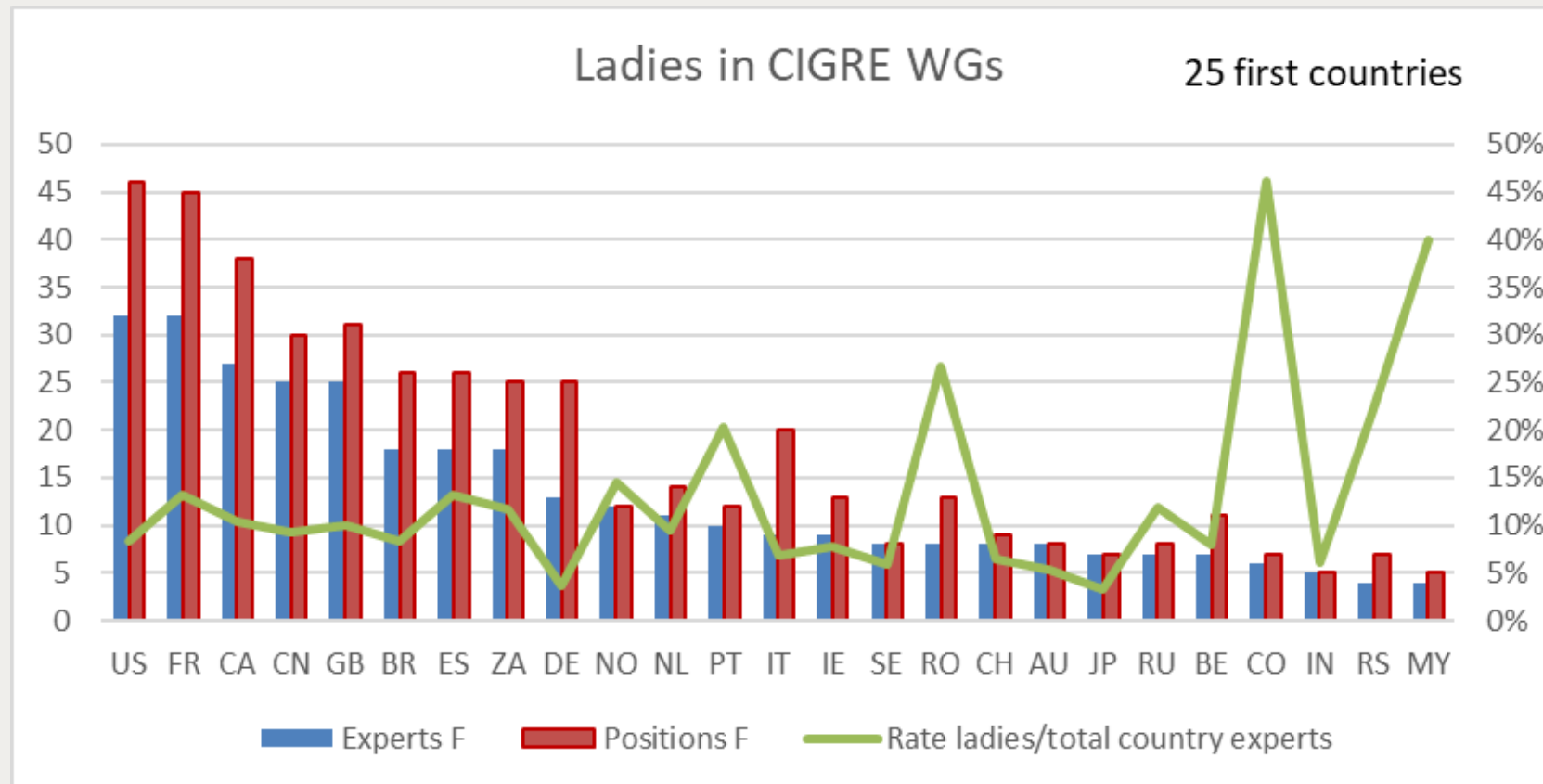


# Working Group Conveners' Origins

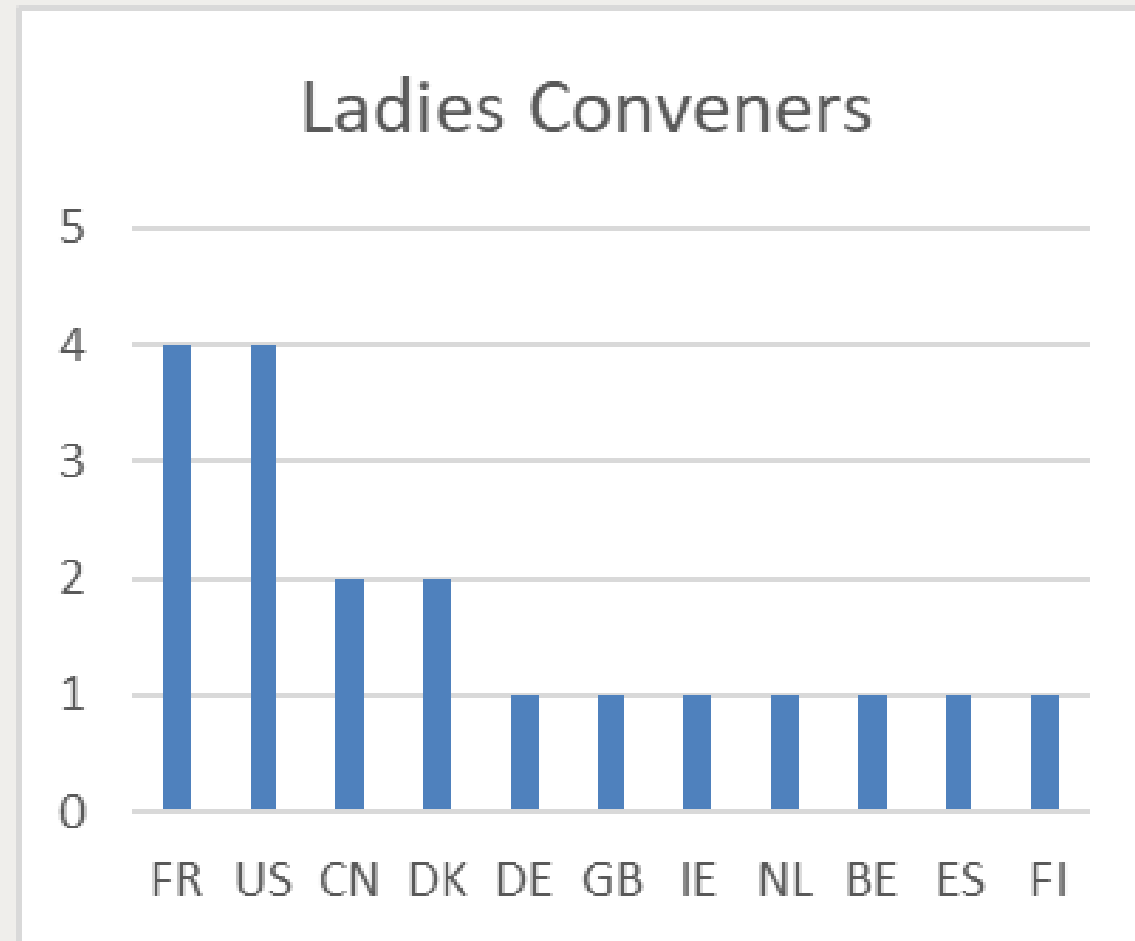




# Place of Women in CIGRE



# *Place of Women in CIGRE*



# Thank you!

John McDonald

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