

# US National Committee

## 2022 Annual Meeting of Members



**cigre**

For power system expertise

## Agenda

1.	USNC President's Opening Remarks	C. Root
2.	CIGRE International Update	M. Heyeck
3.	Awards and Recognition	E. LaRose
4.	Nominations and Appointments	D. Novosel
5.	Treasurer's Report	S. Ramsay
6.	Administrative VP Report	D. Russell
7.	Marketing	C.Root
8.	Women in Energy	A. Olson
9.	Next Generation Network	J. Berger
10.	Technical Activities Report	J. McDonald
11.	Future CIGRE and USNC Meetings	C. Root
12.	Other Business and Discussion	USNC Members



## History: Standing for power system expertise since 1921

Established in 1921 in Paris, France, CIGRE is a global community committed to the collaborative development and sharing of power system expertise. The community features thousands of professionals from over 90 countries and 1250 member organizations, including some of the world's leading experts. At its heart are CIGRE's 59 in country National Committees offering diverse technical perspectives and expertise from every corner of the globe.

CIGRE operates the world's foremost knowledge program, spanning 16 domains of work encompassing all the core areas of the power system. Across these domains 250+ Working Groups draw and build on practical expertise to solve existing and future challenges facing the power system.

All this means that when electricity industry professionals look for the unbiased, fact-based answers they need, they turn to CIGRE, the world's preeminent source for power system expertise.



## Who Are We?

1. **PURPOSE** - To foster engagement and knowledge sharing among power system professionals globally to enable the sustainable provision of electricity for all.
2. **MISSION** - We contribute to the betterment of power systems by enhancing the expertise of the people within it.
3. **VISION** - To be universally recognized as the leading global organization for all aspects of electric power systems.



# CIGRE Organization 2020-2024

## Officers

- **President**
  - Michel Augonnet (FR)
- **VP Finance (Treasurer)**
  - Mike Heyeck (USA)
- **VP Technical Council Chair**
  - Marcio Szechtman (BR)
- **Secretary General**
  - Philippe Adam (FR)

## US Representative on Administrative Council & Steering Committee

- Mike Heyeck



## President's Update

- Added 5 new Collective Members
- 4 new universities were sponsored
- Developed a new VP Marketing Job Description
- Organized a new Marketing Subcommittee
- GOTF 2021 in Providence, RI was a success
- Individual Membership is increasing and No.1 in World
- Paris Meeting is on track to be a success.
- Sponsorships are still available for Paris Reception and GOTF
- Speaker, Michael Pesin from DOE to speak at the ExCom Meeting
- Focus is on increasing Utility Collective Membership
- GOTF Planning for Chicago in November ongoing- ComEd Host

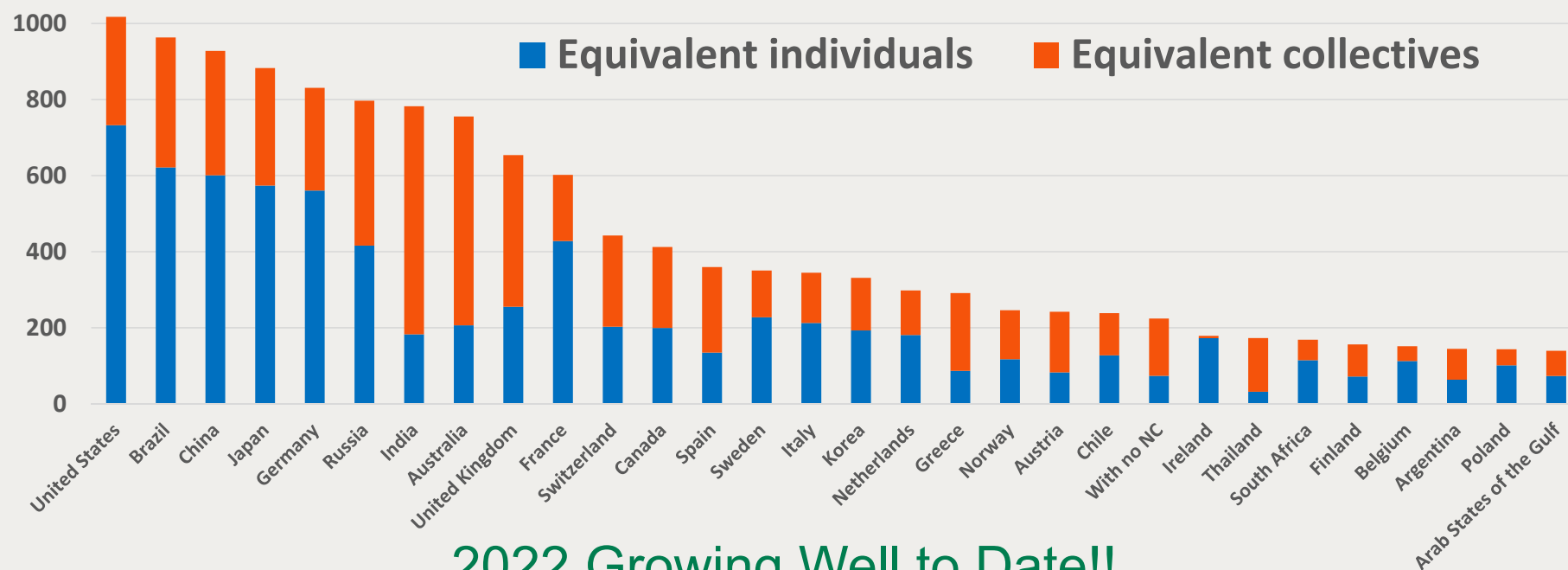


# CIGRE International Update

- CIGRE Membership as Force Multiplier
- CIGRE 2022 Paris Session IS ON!
- CIGRE Marketing, Membership, Brand yields Financial Recovery
  - Digital platform makes CIGRE relevant and sustainable

# 2021 Membership

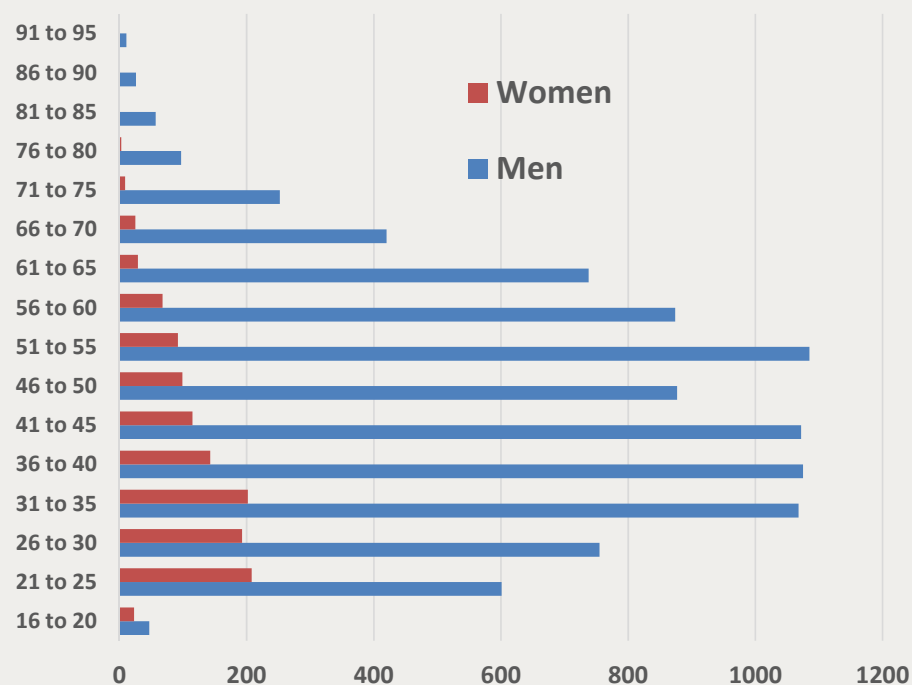
2021 National Committees ranking by equivalent membership (1st half)



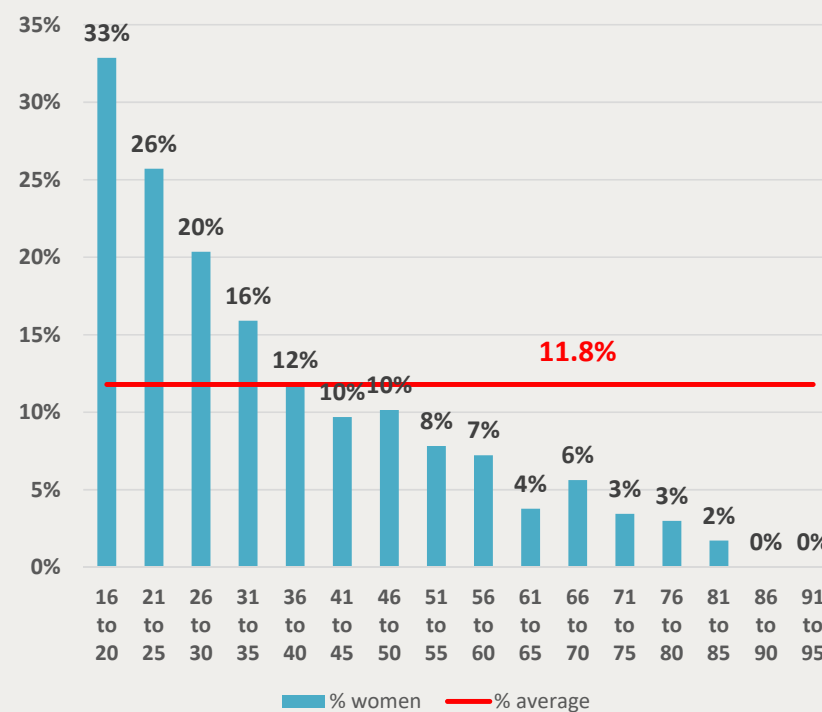
2022 Growing Well to Date!!

# 2021 Membership Profile

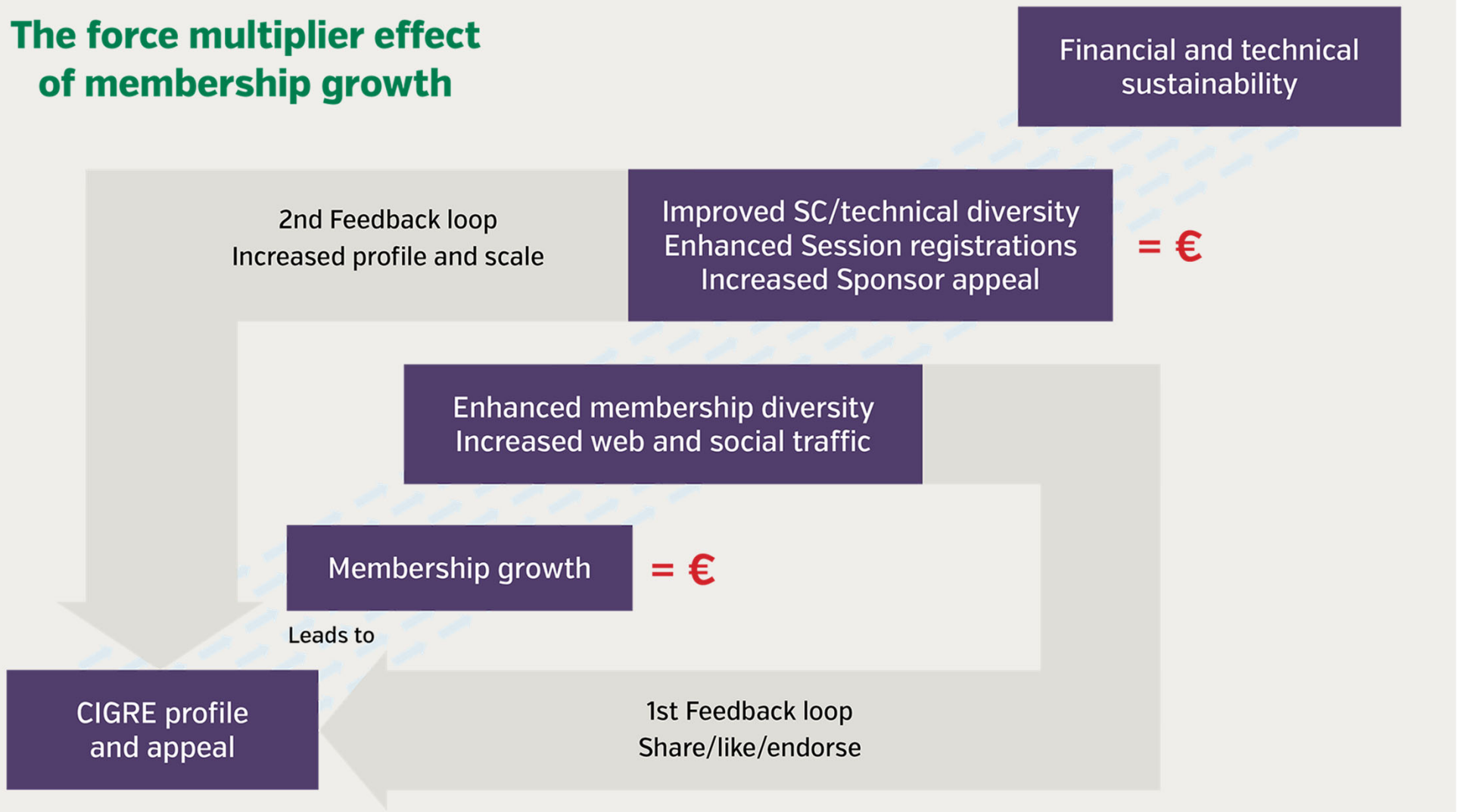
CIGRE individual membership pyramid of ages



% women vs age

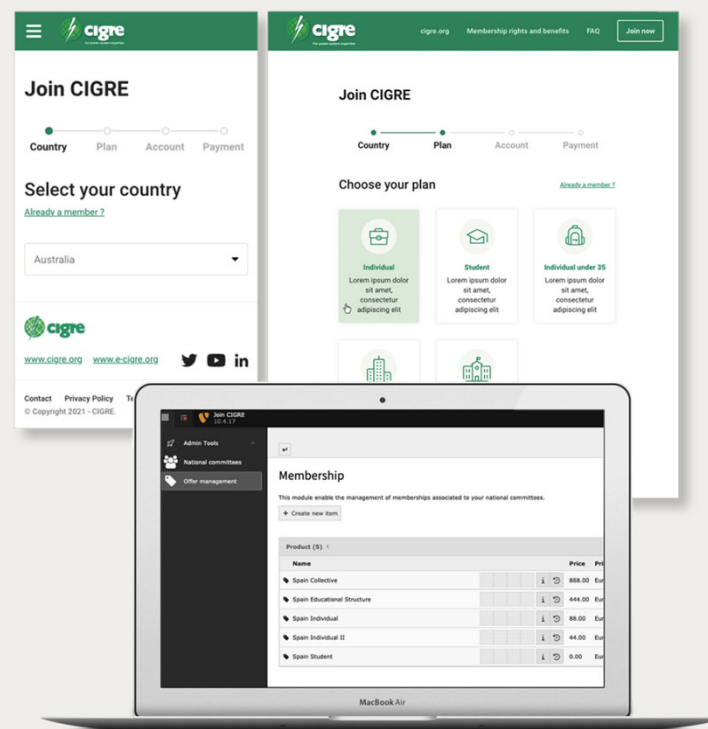


## The force multiplier effect of membership growth



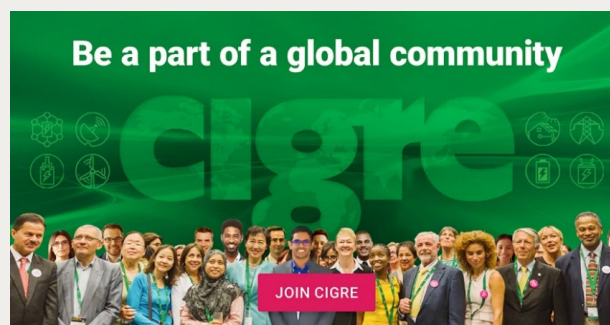
## join.cigre.org – membership sign up automated system

- Automated sign up from central websites
- A pipeline of members NCs don't otherwise get
  - from cigre.org / ELECTRA etc
  - 19% conversion under old system
- Very easy to setup, C.O. support
- 20 NCs participating now
- Aiming for 40+ after the Session

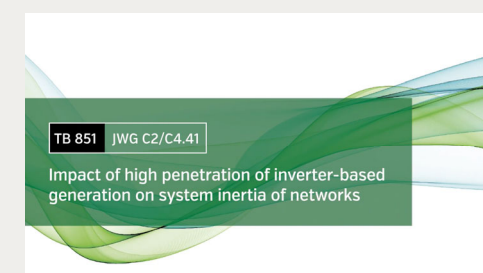


# Membership growth

- Various promotional activities accelerating in 2023
- Promoting knowledge, community, publications and more...
- Promoted through central channels but shared with the NCs for local promotion



why join & [join.cigre.org](https://join.cigre.org)



TB preview videos

## Paris Session 2022 IT'S ON!!!

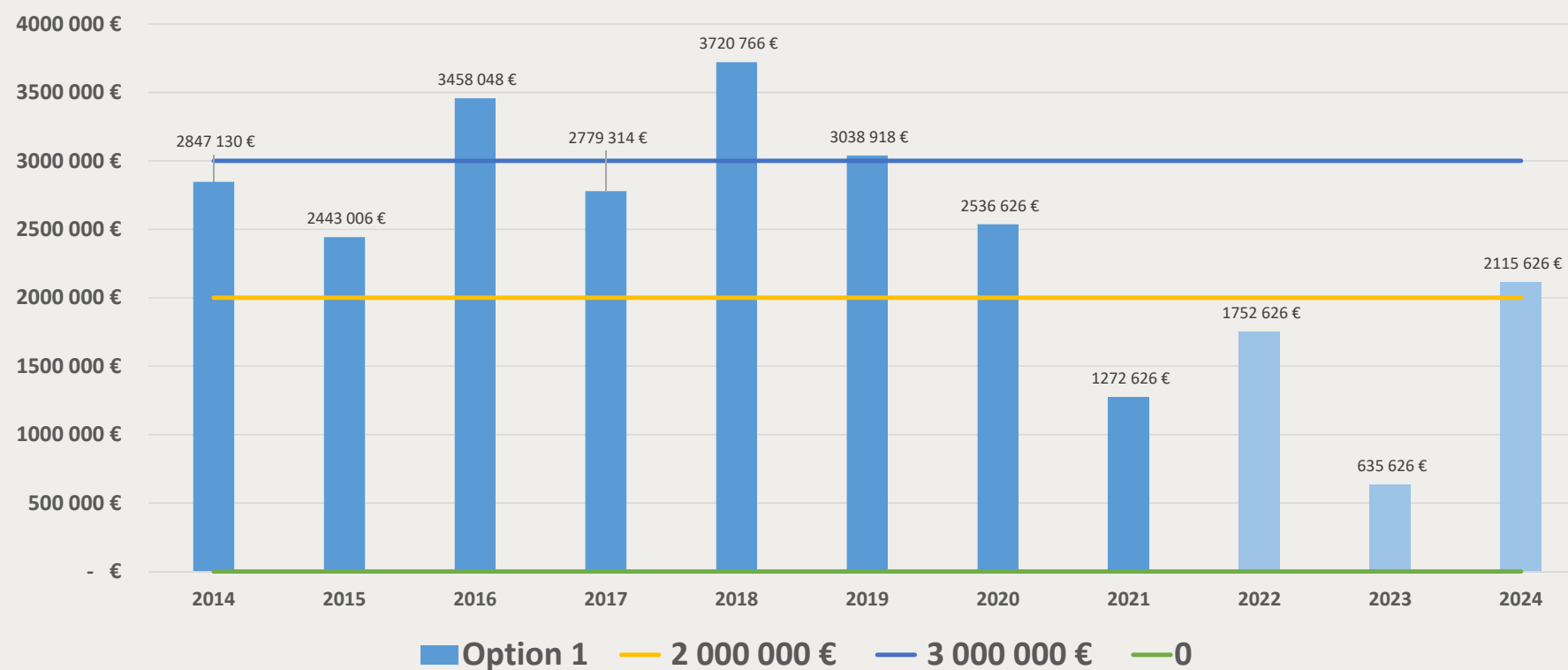
- Registrations ahead of same time in 2018
- 3000+ Delegates Expected (2018 = 3600)
- Exhibition SOLD OUT!



# CIGRE Cash Reserves (1/2)



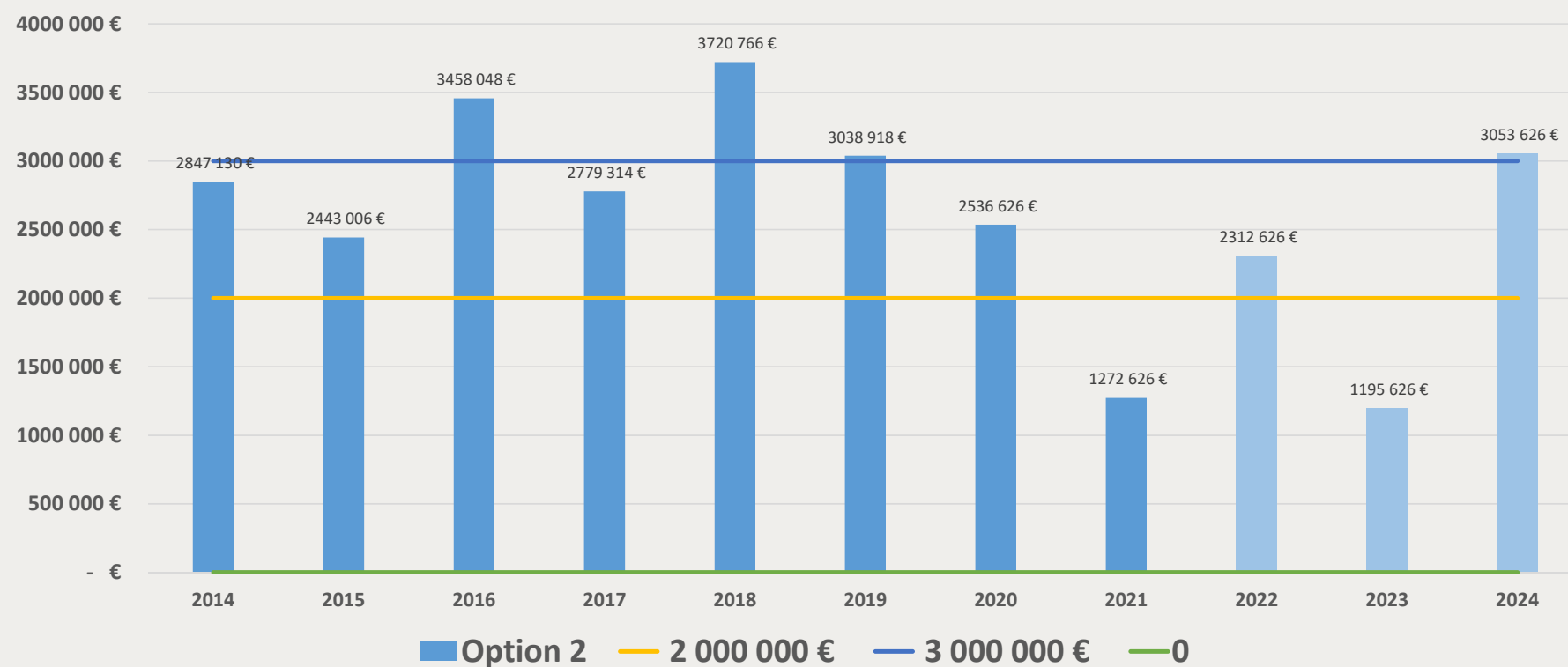
CIGRE Cash Reserves 2014 - 2024 (2022 Paris Session at 2500)



CIGRE Steering Committee meeting, in Zurich (CH), on May 9 & 10, 2022

# CIGRE Cash Reserves (2/2)

CIGRE Cash Reserves 2014 - 2024 (2022 Paris Session at 3000)



CIGRE Steering Committee meeting, in Zurich (CH), on May 9 & 10, 2022

# e-cigre.org advertising options

## Overview

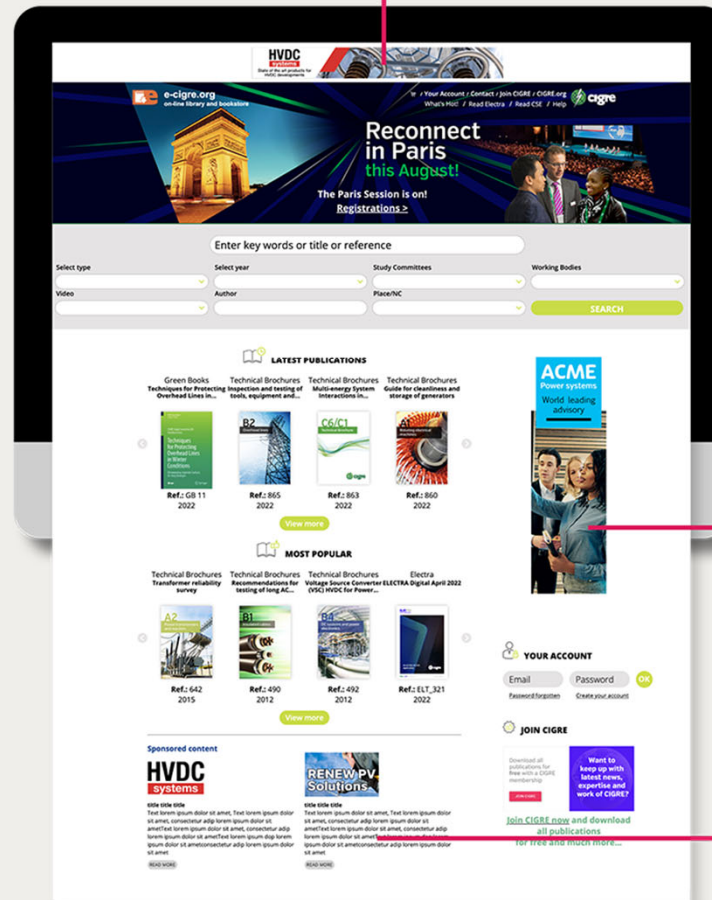
- e-cigre.org our busiest website
- Three different advertising options

## Principles

- Protect member experience
- Online only not in the downloads
- Restrict animations
- Add value for members

**CIGRE will revamp e-CIGRE in 2023**

**Leader board**  
High profile top of every page

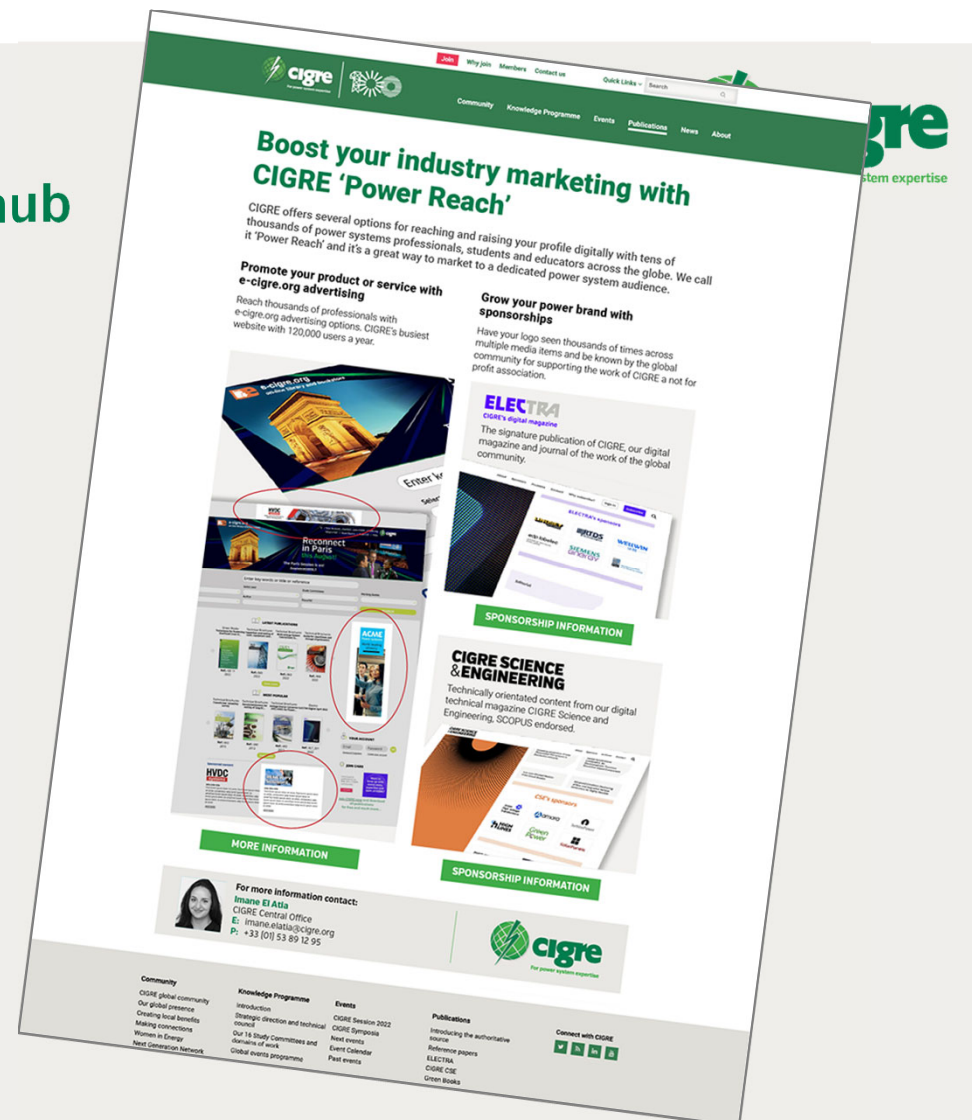


**Tower ads**  
Larger on the right of the content window

**Sponsored news content**  
bottom of every page

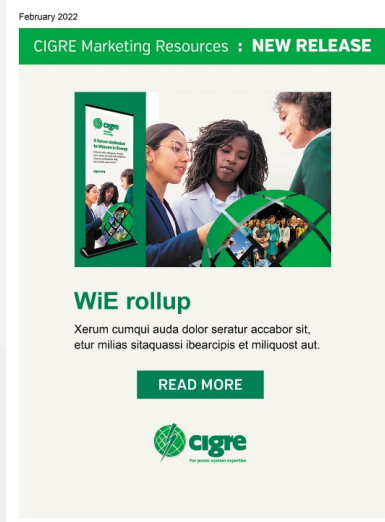
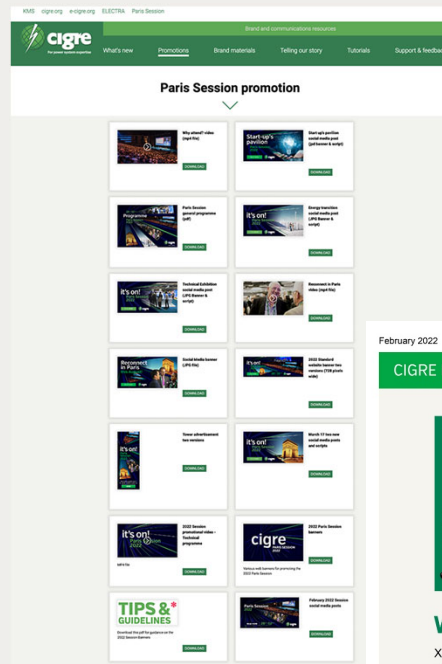
## Advertising and sponsorships hub

- [cigre.org](http://cigre.org)>publications
- Promotes our portfolio
  - **ELECTRA** - sponsorships
  - **CSE** - sponsorships
  - **e-cigre.org** – advertising
  - Add others as we go
- Revenue capacity so far 375k€+



# Updates to MR site to support growth

- New promotions pages
- New blog and notification system



CIGRE USNC resources are at >>>>  
marketingresources.CIGRE.org

# CIGRE Strategy Redux

- **Energy Transition Expanding Grid Edge, Depth!**
  - Technical Council developed Strategic Advisory Group to Scale and Grow
- **Membership Growth at 50,000!**
  - Scalability, Diversity with More Business Segments Joining
- **Sustaining Power System Relevance at the Horizon NOT in the Rear View Mirror**
  - CIGRE Practical & Sustainable

## Awards & Recognition Committee

1. Elizabeth LaRose – Chair - GE Power
2. Keith Lindsey – past Chair – Lindsey Mfg. Co.
3. Clark Gellings – Consultant
4. Mike Heyeck – Consultant
5. Travis Heintzelman – Burns and McDonnell
6. John McDonald – GE Grid Solutions
7. Rana Mukerji – New York ISO
8. Chris Root – VELCO
9. B. Don Russell – Texas A&M University



USNC

Attwood Associate Award - 2022



## – Citation –

“To honor the contributions and memory of Frederic Attwood of the USA, who, with J. Tribot Laspiere of France, foresaw the need for an international organization in the field of power engineering and who became the first Chairman of the U.S. National Committee upon the founding of CIGRE in the year 1921.”

# Attwood Associate Awards – 2021

**Randy Grass**, PowerEngineers, Inc.  
**Chris Kelly**, Retired - National Grid



USNC

Dale Douglass Award for Technical Achievement - 2022



## – Citation –

“For leadership and participation in CIGRE technical activities internationally at the Study Committee or Working Group levels aspiring to the level of dedication exhibited by Dale Douglass.”

USNC

Dale Douglass Award for Technical Achievement – 2022

**Dr. Alex Apostolov**, Omicron Energy



USNC  
Philip Sporn Award — 2022



## – Citation –

“For career contributions advancing electric power systems in theory, design and/or operation for the benefit of society in the United States, and for aspiring to Philip Sporn’s “Locus of Discontent” approach; i.e., always challenging the status quo to advance technology for the betterment of society.”

USNC  
Philip Sporn Award – 2022



**Michael Heyeck, The Grid Group, LLC.**

USNC

Outstanding Collective Member Award — 2022



“For outstanding leadership and continuing managerial, technical, and financial support of the activities of the U.S. National Committee and CIGRE over an extended period of time.”

USNC

Outstanding Collective Member Award — 2022



comed<sup>SM</sup>

AN EXELON COMPANY



## USNC Special Recognition — 2022



“Sincere appreciation and gratitude  
for outstanding and ongoing operations support  
of the activities of the U. S. National Committee  
and CIGRE from 2009 to present.”

USNC  
Special Recognition - 2022



**Dr. B. Don Russell**, Texas A&M University  
**Sharon Loe**, Texas A&M University  
**Jessica Meadors**, Texas A&M University

# 2023 Nominations & Appointments Committee

1. Damir Novosel (Quanta Technology) - Chair
2. Yilu Liu (University of Tennessee) - Member
3. Rana Mukerji (NYISO) - Member
4. John Paserba (Mitsubishi) - Member



# USNC Officers

Term Ending (TE) Through 2022:

1. Chris Root (VELCO) - President
2. David Roop (DWR Associates LLC) – Immediate Past President USNC
3. Mike Heyeck (Grid Group LLC) – USNC Administrative Council Rep & CIGRE Steering Committee, CIGRE International Finance (Treasurer), Past President USNC
4. Don Russell (TAMU) – Secretary; VP, Administration - Secretariat
5. Stewart Ramsey - VP, Treasurer
6. John McDonald (GE Grid Solutions) – VP, Technical Activities
7. Beth LaRose (GE Power) – VP, Awards & Recognition
8. Damir Novosel (Quanta Technology) – VP, Nominations
9. Amanda Olson (Burns & McDonnell) – Women In Energy (WIE)



# USNC Nominations for 2023

## Renewed Appointments

- Mike Heyeck (Grid Group LLC) – USNC Administrative Council Rep & CIGRE Steering Committee, CIGRE International Finance (Treasurer), Past President USNC
- Don Russell (TAMU) – Secretary; VP Administration - Secretariat
- John McDonald (GE Grid Solutions) – VP Technical Activities

## New Appointments:

- Marianna Vaiman (V&R Energy) - Chair of Marketing
- John Paserba (Mitsubishi) - Deputy, Technical Activities



## Executive Committee Members at Large - Nominated for Term Ending 2023



Samuel Barnes (Commonwealth Associates, Inc.)	Bill Bojorquez (Hunt Power, L.P.)
Robert Carritte (MPR Associates Inc.)	Joey Cheng (American Transmission Company)
Adrienne Collins (Southern Company Services Inc.)	Kevin Curtis (Dominion Energy Virginia)
Jaime De La Ree (Virginia Polytechnic Institute)	Ron Duckstein (Sediver USA)
Michael Ennis (S&C Electric Company)	Randy Grass (POWER Engineers)
Adam Keech (PJM Interconnection, LLC)	Robert Kirkland (Leidos)
Aaron Lewis (Black & Veatch Corporation)	Keith E. Lindsey (Lindsey Systems)
Cong Liu (Electric Reliability Council of Texas – ERCOT)	Jon Marmillo (LineVision)
Rana Mukerji (New York Independent System Operator, Inc.)	Sean Murphy (PingThings, Inc.)
Damir Novosel (Quanta Technology)	Robert O'Connell (University of Missouri)
Andrew Phillips (Electric Power Research Institute)	David W. Roop (DWR Associates, LLC)
Chris Root (VELCO)	Sergo Sagareli (ConEdison)
Werner Schweiger (Eversource Energy)	Carol Sedewitz (National Grid)
Richard Shaheen (Bonneville Power Administration)	Veselin Skendzic (Schweitzer Engineering Laboratories)
Cliff Thompson (North American Substation Services, LLC)	Richard Zhang (University of Illinois @ Urbana Champaign)
Junbo Zhao (University of Connecticut)	

# Executive Committee Members at Large - Term Ending 2024



Khalid Al-Olimat (Ohio Northern University)	Mads Almassalkhi (University of Vermont)
James Amato (Burns & McDonnell)	Eric Bosze (CTC Global Corporation)
Robert Bradish (American Electric Power)	Derek Brown (OMICRON)
Terence Donnelly (ComEd)	Johan H. Enslin (Clemson University)
Tom Eyford (Oracle Utilities)	Michael Glynn (EN Engineering)
Bryan Gwyn (Doble Engineering)	Travis Heintzelman (Burns and McDonnell)
Mike Heyeck	William Hogan (Harvard University)
Elizabeth LaRose (GE Power)	Yilu Liu (University of Tennessee)
John McDonald (GE Grid Solutions)	Amanda Olson (Burns & McDonnell)
John Paserba (Mitsubishi Electric Power Products, Inc.)	David Poska (First Energy Corporation)
Dr. R. Ramakumar (Oklahoma State University)	Stewart Ramsay (Varny & Associates)
Gregory Reed (University of Pittsburgh)	Paul Roskilly (Siemens Energy Management)
Joe Rostron (Southern States, LLC)	B. Don Russell (Texas A&M University)
Mohammad Shahidepour (Illinois Institute of Technology)	Kristin Spearman (Tennessee Valley Authority)
Eric Stein (PECO Energy)	Eric Takayesu (Southern California Edison)
Marianna Vaiman (V&R Energy Systems Research, Inc.)	Gordon van Welie (ISO New England, Inc.)
Gayle Wooster (Power Systems Consultants, Inc.)	Longya Xu (Ohio State University)
Efrain O'Neill-Carrillo (University of Puerto Rico-Mayaguez)	(Kansas State University)

## USNC – 2021 Finances

- **Revenues:**

– Individual Memberships	\$111,600.00
– Collective Memberships	\$119,250.00
– Corporate Sponsorships	\$88,000.00
Grid of the Future	
– Conference Income	\$96,165.86
GOTF registration + 2021 virtual Paris	

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**\$415,015.86**

- **Expenses:**

– Dues to Paris Office	\$111,621.27
– Administration/Operations	\$135,528.18
– Conference Expenditures	\$108,034.36
– Travel	\$4,082.77
– Marketing	\$4,420.00

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**\$363,686.58**

\* Paris session delayed until 2022

# USNC – Financial Summary – 2021

(audited and closed)

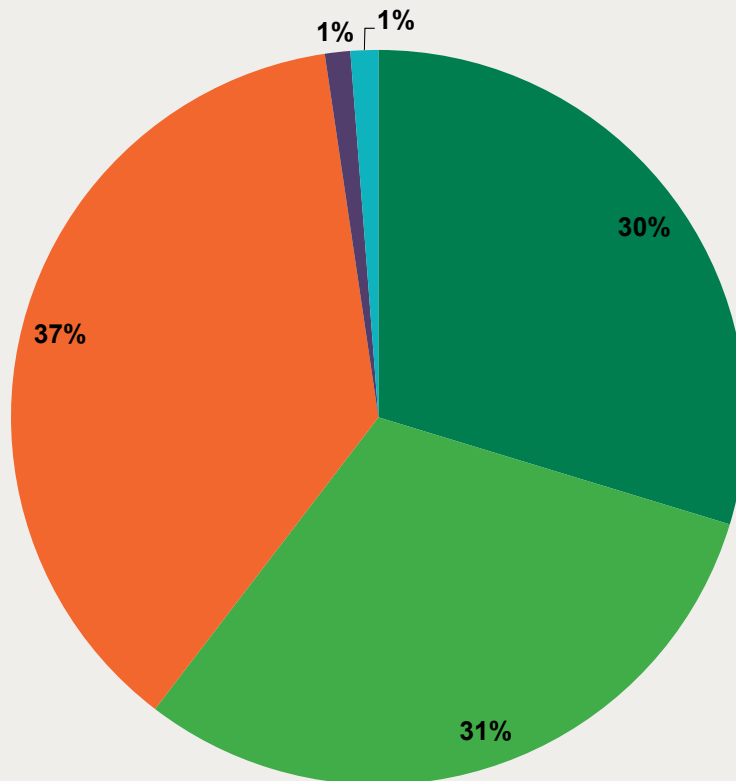
	<u>Budget</u>	<u>Actual</u>
Revenues	\$ 291,450.00	\$ 415,015.86
Expenses	\$ 399,334.06	\$ 363,686.58
Net Income	\$-107,884.06	\$ 51,329.28

## Investments:

Certificates of Deposit: \$ 296,124.25



## 2021 Expense Breakdown



■ Conference Expenses - \$108,034.36

■ Member Fees - \$111,621.27

■ Administration & Operations - \$135,528.18

■ Staff travel - \$4,082.77

■ Marketing - \$4,420.00

# USNC Membership



	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022*</u>
<b>Individual</b>	548	622	839	943	946	856
<b>Collective</b>	55	51	53	49	54	62
Principal	(26)	(25)	(24)	(24)	(23)	(26)
Sustaining	(8)	(8)	(10)	(9)	(10)	(13)
Patron	(8)	(5)	(6)	(6)	(8)	(7)
Educational	(13)	(13)	(13)	(10)	(13)	(16)

\* 2022 Data as of June 28, 2022

# Collective – Members 2022 (to date)



## Patron Members (7)

AEP Service Corporation	Commonwealth Edison
Dominion Energy	EPRI
GE Grid Solutions/ GE Power	Oracle
Tennessee Valley Authority	

## Sustaining Members (13)

Burns & McDonnell	Commonwealth Associates, Inc.
ConEdison	Doble Engineering
Electric Reliability Council of Texas (ERCOT)	
EN Engineering	Eversource Energy
ISO New England, Inc.	Lindsey Manufacturing Co.
National Grid USA	New York ISO
S&C Electric Co.	Southern States LLC

# Collective – Members 2022 (to date)



## Principal Members (26)

American Transmission Co. (ATC)	Black & Veatch
Bonneville Power Administration	CTC Global
First Energy Corp.	Hunt Power
Leidos	LineVision Inc.
Mitsubishi Electric Power Products	MPR Associates, Inc.
North American Substation Services	OMICRON electronics
PECO Energy	PingThings
PJM Interconnections	POWER Engineers, Inc.
Power Systems Consultants	Quanta Services
Schweitzer Engineering Laboratories	Sediver USA
Siemens Energy, Inc.	Southern California Edison
Southern Company	V&R Energy Systems
Vanry + Associates	VELCO

## 2022 - Educational Members (16)



Clemson University (sponsored by Dominion)

Harvard University (sponsored by ERCOT)

Illinois Institute of Technology (sponsored by ERCOT)

Kansas State University (sponsored by Burns & McDonnell)

Missouri University of Science & Technology (sponsored by Burns & McDonnell)

Ohio Northern University (sponsored by AEP)

Ohio State University (sponsored by AEP)

Oklahoma State University (sponsored by AEP)

Texas A&M University (Sponsored by USNC Cigre)

University of Connecticut (sponsored by V&R Energy)

University of Illinois – Urbana Champaign (Sponsored by S&C)

University of Pittsburgh (sponsored by Dominion)

University of Puerto Rico-Mayaguez (sponsored by AEP)

University of Tennessee (sponsored by Dominion)

University of Vermont (sponsored by VELCO)

Virginia Polytechnic Institute and State University (sponsored by Dominion)



# Involvement & Opportunities

Within the US Women in Energy (WiE) Group

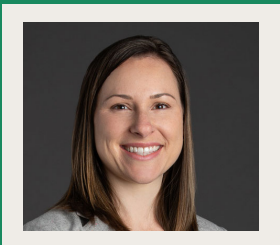


# Our Purpose

## Women in Energy (WiE) Aims to:

- Increase participation, contributions, and leadership from women in working groups
- Ensure the interests of women are represented within U.S. CIGRE, both for their own benefit and for future sustainability of CIGRE
- Provide opportunities for personal, professional, and technical development

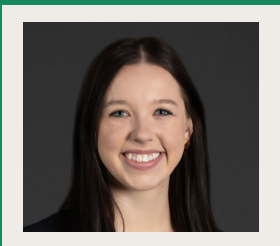




Mandy Olson

US WiE Chair

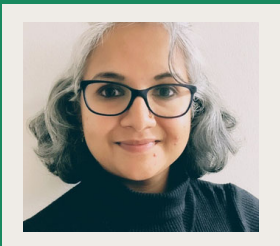
[akolson@burnsmcd.com](mailto:akolson@burnsmcd.com)



Mallory Mannoni

US WiE Vice-Chair

[mallory.mannoni@1898andco.com](mailto:mallory.mannoni@1898andco.com)



Maigha Fnu

US WiE Secretary

[maigha@comed.com](mailto:maigha@comed.com)



# Team Today





# Our Team Tomorrow

A Leadership Team to Take us to the Next Level

Position	Name	Company	Email	Term
US WIE Chair	Mandy Olson	Burns & McDonnell	akolson@burnsmcd.com	Jan 21 - Jan 23
US WIE Vice-Chair	Mallory Mannoni	1898 & Co.	mallory.mannoni@1898andco.com	Jan 22 - Jan 23
US WIE Secretary	Maigha Fnu	ComEd	maigha@comed.com	Jan 22 - Jan 23
US WIE Vice-Chair of Communications & Marketing	OPEN!			
US WIE Vice-Chair of Events	Kate Graves	Quanta Technology	kgraves@quanta-technology.com	Jun 22 - Jan 24
US WIE Vice-Chair of Mentoring & Professional Development	OPEN!			
Member at Large	Beth Larose	GE Power	elizabeth.larose@ge.com	Jan 18 - Unlimited

# Scope & Function

01

## Recruit Members

For both the WiE Executive Committee and for general involvement

03

## Identify Meetings/Events

Expand beyond our historical offerings to potentially include webinars, social gatherings, etc.

02

## Generate Awareness

Ensure people within CIGRE are aware of WiE activities and benefits

04

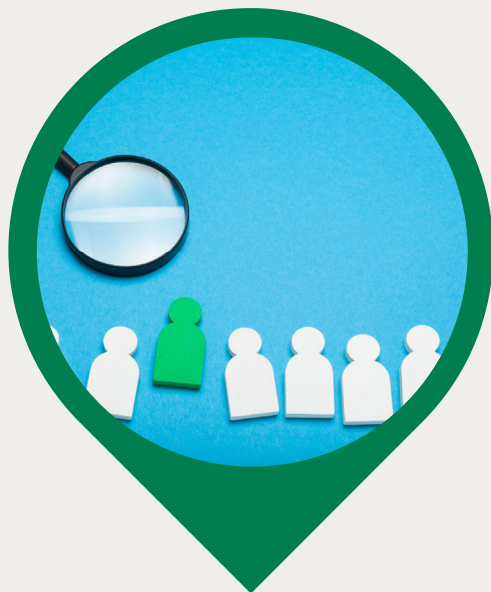
## Identify Awards

Identify new or existing awards for recognizing contributions of Women in CIGRE

# What You Can Do

Support women in your organizations by nominating them for US WiE Executive Committee Involvement!

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Pass along my contact information or send me theirs!



Mandy Olson

US WiE Chair

[akolson@burnsmcd.com](mailto:akolson@burnsmcd.com)



[akolson@burnsmcd.com](mailto:akolson@burnsmcd.com)



## Technical Activities Committee

- USNC Regular Members and Regular Additional Members to CIGRE Study Committees & Appointment Dates
- USNC Synopses Selection Process for Paris Session
- GOTF Paper Submission and Evaluation
- Working Groups/Task Forces Member Selection Process
- CIGRE WG and Young Expert Country Origins
- Ladies in CIGRE WGs Country Origins
- Ladies WG Convener Country Origins



Next Generation Network (NGN)

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# 2022 NGN Executive Committee

Position	Name
Chair	Travis Heintzelman
Communications Secretary, newsletter, website	Cammie Polack
Events Grid of the Future, international colloquium	James Berger
International Collaboration	Anthony Giacomoni Aditie Garg
Marketing External Focus	
Membership Internal Focus	
Mentoring Working group correspondence	Mallory Droge Genesis Alvarez
Professional Development Paper competition	Logan Lillis
Professional Development Webinars	Hassaan Idrees
Social Media	Rebecca Hilderbrand

## 2022 NGN Executive Committee



Travis Heintzelman



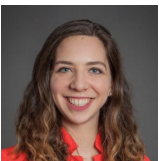
Anthony Giacomoni



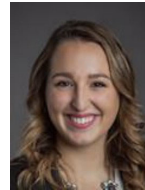
James Berger



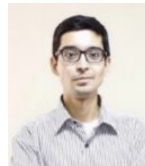
Mallory Mannoni



Cammie Polack



Logan Lillis



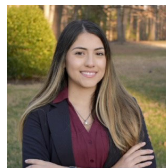
Hassaan Idrees



Rebecca Hilderbrand



Aditie Garg



Genesis Alvarez

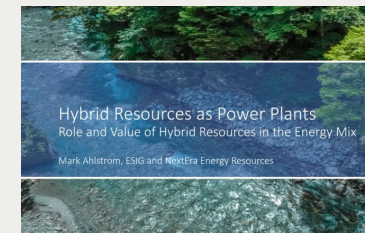
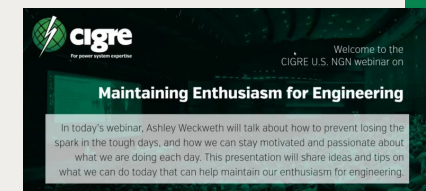
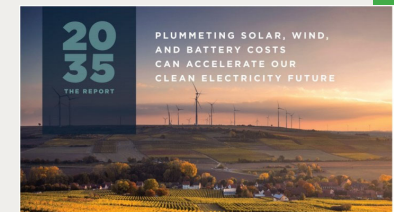
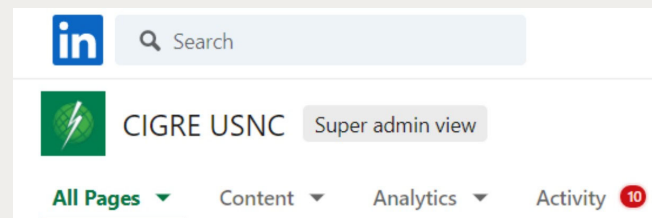
## Current Projects

What we are presently working on!

- Mentor/Mentee KMS Collaboration Space
- Webpage Update
- Social Media Outreach
- Student Membership Initiative
- Paper Competition
- Webinars

Areas for International collaboration:

- Professional development events  
(Technical Sessions/Trainings/Webinars)



# 2022 NGN Showcase

## Background:

- Initially proposed by UK NGN with support from a number of other NGN groups in 2015
- Approved by CIGRE Central Office with the first showcase successfully held during the 2016 Paris Session

## Motivation:

- Platform for young professionals to showcase their work to an international CIGRE audience
- Networking opportunities for international NGN members
- Enhancing collaboration among international NGN groups
- Driving sustainable CIGRE membership



# 2022 NGN Showcase

## Rules:

- Each country/NC can submit up to 4 nominations
- Presentations must align with a Paris Preferential Subject
- Presentations must not be based on a paper already submitted/accepted at the Paris Session
- Requested that each SC Chair accept up to 2 presentations or total of 32 presentations across all 16 Study Committees

## Selected Candidates Receive:

- 10 minute slot at discussion session in Paris, for the respective Study Committee
- Space at poster session in Paris, for the respective Study Committee
- Paper included in the Paris Session Proceedings
- Free Paris Session ticket



# 2022 USNC NGN Showcase Participants



Abigail Zafris

Study Committee A3

*Monitor Data Management for Asset Failure Prevention*



Brian Obermeier

Study Committee B2

*Case Study: Measuring the Size of Electrical Conductors using Lidar Scanning*



# 2022 USNC NGN Showcase Participants



Kristine Engel

Study Committee B2

*An Empirical Analysis of the Operational Efficiencies and Risks Associated with Static, Ambient Adjusted, and Dynamic Line Rating Methodologies*



Aditie Garg

Study Committee C6

*Behind-the-Meter PV Estimation for Grid Awareness and Enhanced Visibility*

Want to get involved or know someone who does?



- Mentors
- Webinars
- Content Generation
- Events
- Paper Competition
- Etc.



Travis Heintzelman

[trheintzelman@burnsmcd.com](mailto:trheintzelman@burnsmcd.com)

<https://cigre-usnc.org/young-members-ngn/>

## U.S. Regular Members to CIGRE Study Committees & Appointment Dates



- A1-Hugh Zhu (Consultant) - 2018
- A2-Mike Lamb (Dominion Energy) – 2018
- A3-Albert Livshitz (CE Power) – 2018
- B1-Rusty Bascom (Electrical Consulting Engineers, P.C.) – 2018
- B2-Erik Ruggeri (POWER Engineers) – 2020
- B3-George Becker (POWER Engineers) – 2020
- B4-Neil Kirby (GE Grid Solutions) – 2018
- B5-Mladen Kezunovic (Texas A&M University) – 2018

## U.S. Regular Members to CIGRE Study Committees & Appointment Dates



- C1-Jeff Palermo (PJP Consulting) – 2016
- C2-Todd Ramey (MISO) – 2018
- C3-Randy Grass (POWER Engineers) - 2020
- C4-Gaurav Singh (EPRI) - 2020
- C5- Jeff Bladen (Meta) - 2020
- C6-Sundar Venkataraman (Nexant) – 2018
- D1-Luke Van der Zel (EPRI) – 2018
- D2-Chen-Ching Liu (Virginia Tech) – 2020

## U.S. Regular Additional Members to CIGRE Study Committees & Appointment Dates



- A1-None
- A2-None
- A3-Brian O'Neil (RMS Energy Co., LLC) - 2020
- B1-Tom Zhao (EPRI) – 2022
- B2-Doug Proctor (Proctor Engineering) – 2018
- B3-None
- B4-David Roop (MEPPI) – 2020
- B5-None

## U.S. Regular Additional Members to CIGRE Study Committees & Appointment Dates



- C1-None
- C2-None
- C3-None
- C4-None
- C5-None
- C6-None
- D1-Bill Larzelere (Evergreen High Voltage) – 2018
- D2-None

## 2022 Synopses Selection Process for Paris Session

1. 80 Abstracts Received and Forwarded to USNC Study Committee Reps for their Advisory Committee Review (75 Received for 2020; 47 for 2018; 48 for 2016)
2. Abstracts Reviewed and Scored with Following Criteria:
  - Relevance to SC Preferential Subjects
  - Technical Content
  - Clarity of Synopsis
  - Avoid Commercialism
3. 80 Synopses Submitted to Paris (75 Synopses Accepted for 2022)
4. Historical Acceptance Rate: 75/80 (94%) Accepted for 2022; 57/60 (95%) for 2020, 27/30 (90%) for 2018, 93% for 2016, 87% for 2014, 83% for 2012

## CIGRE USNC 2022 Grid of the Future (GOTF) Paper Process

- Call For Papers
  - Theme: Technology for the 21<sup>st</sup> Century Electric Utility
- No Abstract Step – Full Papers Only – Submitted by July 31, 2022
- Use Paper Preparation Template
- Papers Reviewed in August
- Reviewer's Comments Incorporated in September
- 25 Paper Sessions Created for 2022 GOTF Technical Program

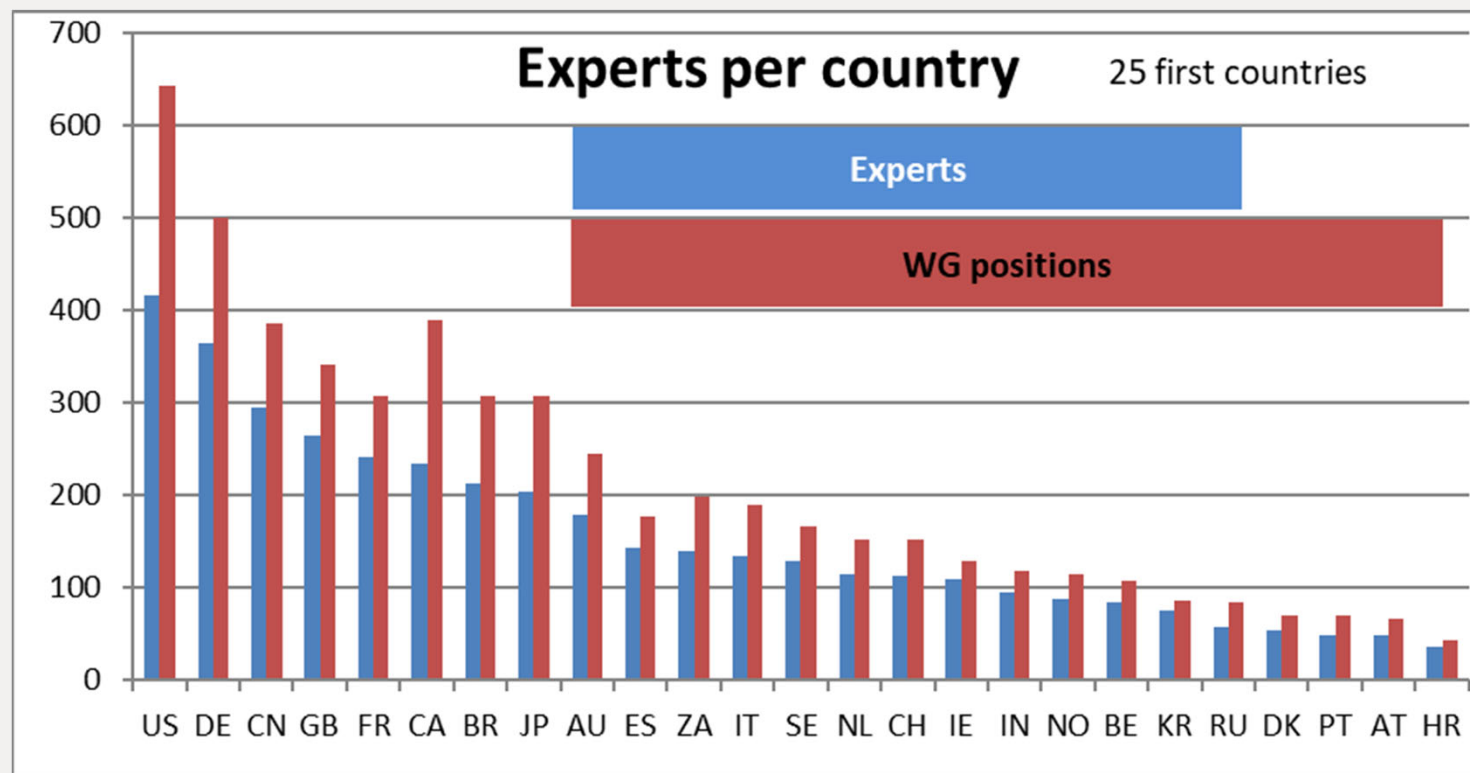
## GOTF Paper Evaluation Process

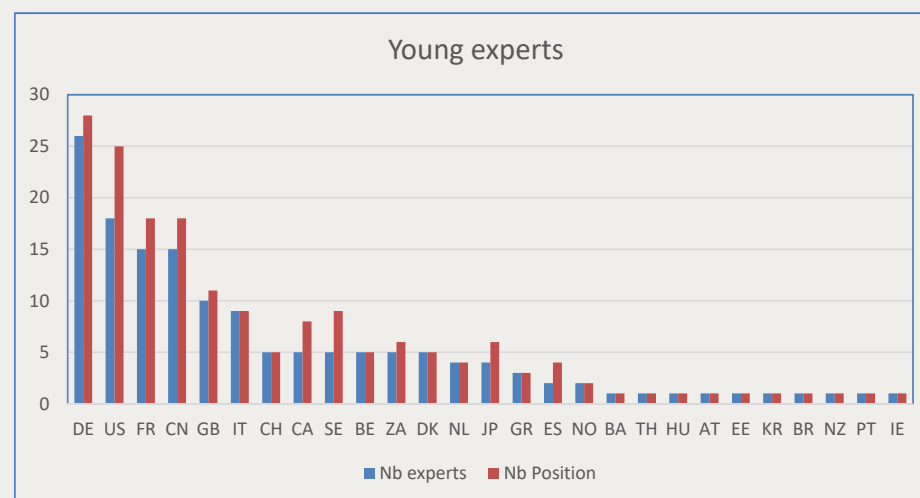
- Submitted Papers Forwarded to USNC Study Committee Reps for their Advisory Committee Review
- Evaluation Criteria
  - Novel and Innovative Technical Content (Concept with Implementation Results)
  - Clarity of Paper
  - No Commercialism
  - Adherence to Required Formatting (Use Paper Preparation Template)

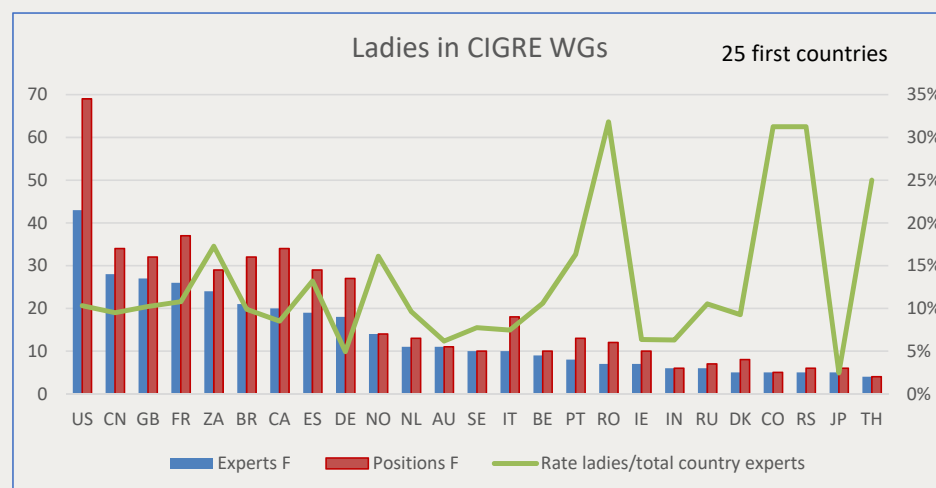
## Working Groups/Task Forces Member Selection Process

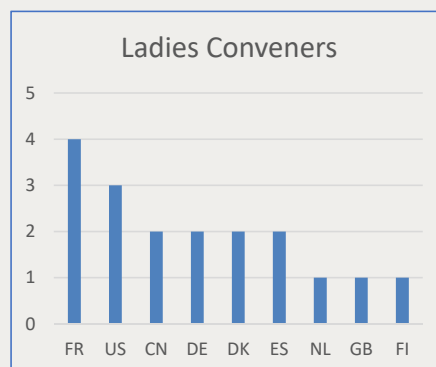
- Interested candidates must have Individual Member dues paid and send CV
- Obtain email address for new WG Convener and submit candidates' CVs directly to Convener
- Request Convener to confirm candidates' membership
- If no USNC candidates interested in a new WG, will ask new WG Convener for knowledge of US experts, and will contact them to see if they are interested in joining
- If more candidates are interested in same WG than CIGRE policy allows, set up a "Shadow WG" within the USNC

# Experts and positions per country









## Upcoming Cigre Events

