

Next Generation Network NGN CROATIA



cigre

For power system expertise

Božidar Filipović-Grčić, Ivana Damjanović, Nina Stipetić

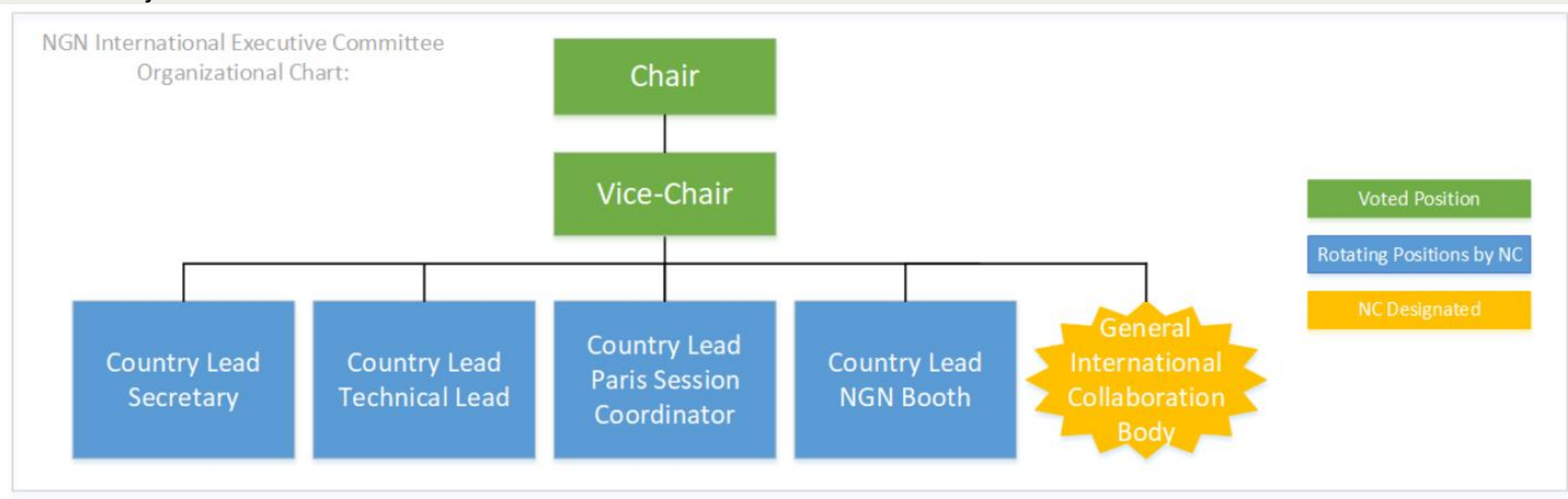
Fakultet elektrotehnike i računarstva

Next Generation Network (NGN)

- Next Generation Network (NGN) je platforma za **mlade inženjere** (<35 g) koja nastoji omogućiti uspješan **prijelaz u industriju za studente i mlade inženjere**
- Tehnički resursi i umrežavanja mladih stručnjaka
- Cilj je osigurati da interesi novih članova budu zastupljeni u CIGRE-u, održavanje i rast CIGRE zajednice
- Ciljevi NGN-a su:
 - Poticati aktivno članstvo u CIGRE NGN-u
 - Organizirati i promovirati aktivnosti (tehnički posjeti, predavanja i sastanci za CIGRE NGN)
 - Organizirati odgovarajuće CIGRE NGN događaje
 - Sudjelovati u radnim grupama CIGRE (WG)
 - Redovito izvještavati Upravnom odboru CIGRE
 - Pripremiti i održavati CIGRE NGN web stranice
 - Poboljšati komunikaciju između članova CIGRE i NGN-a
- Krajem 2019. godine Upravni odbor CIGRE zatražio je od NGN grupa da formaliziraju svoju strukturu odabirom međunarodnog NGN predsjednika koji će biti veza i imati mjesto u Upravnom odboru CIGRE

Next Generation Network (NGN)

- Prijedlog za formiranje NGN međunarodnog izvršnog odbora, koji je poslan Upravnom odboru CIGRE na odobrenje.



- Međunarodni izvršni odbor NGN-a koordinira sve međunarodne NGN aktivnosti i organizaciju NGN događaja za Pariške sjednice.

Next Generation Network (NGN) – trenutni IEC

- Chair: Stefanie Cray
- Vice-Chair: Stanislav Eroshenko
- Secretary: Anthony Giacomoni



- Chair: Phillip Coughlan
- Vice-Chair: Anthony Giacomoni
- Secretary: Conor Mullholland

CIGRE NGN IEC Teleconference

03:05

Welcome to the new Secretary for the NGN IEC!

SECRETARY

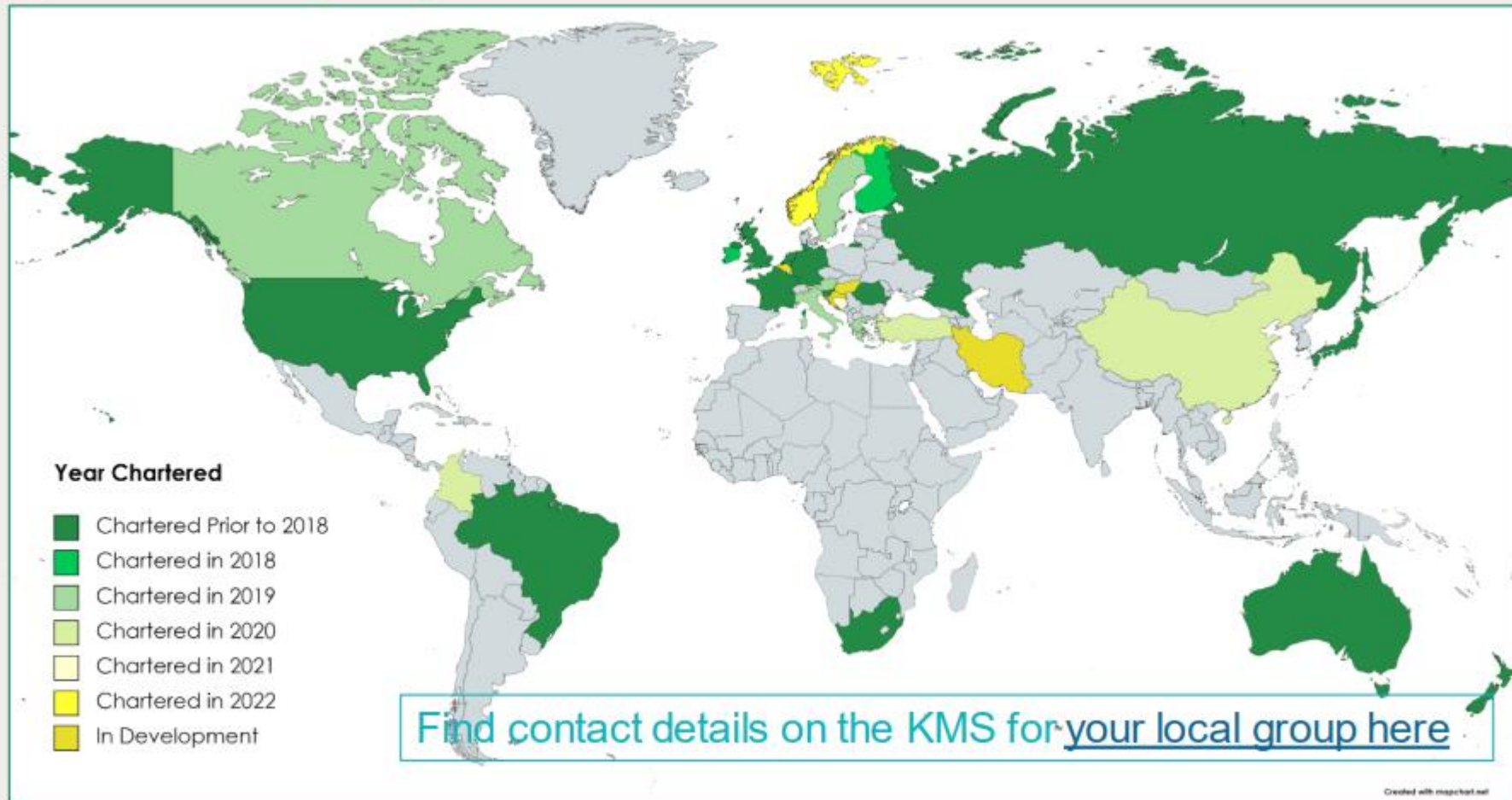
Conor Mulholland (IE)

Giacomoni, Anthony

In this meeting (24)

- Nina Stipetić
- Alexander Gallar... Meeting guest
- Anamaria IAMA... External
- Andrey Gofman (гость) (Guest) Meeting guest
- Bogdan Leu (Guest) Meeting guest
- Casado Fulqueir... External
- Cray, Stefanie (NCP) (External) External
- Daijiro Herai (ゲスト) (Guest) Meeting guest
- DALSTEIN Matth... (External) External
- Forteleoni Marco (Terna) External
- Giacomoni, Anthony Organizer External
- Guarneri Arianna (Terna) External
- Ivana Damjanović
- Kaviya Sivaraman External
- Kirchner Hannah (External) External
- Kurtis Martin-Stu... (External)

Next Generation Network (NGN)



Australia, Austria, Belgium, Bosnia & Herzegovina, Brazil, Canada, China, Colombia, Croatia*, Denmark, Finland, France, Germany, Greece, Hungary*, Iran*, Ireland, Italy, Japan, Netherlands, New Zealand, Norway, Romania, Russia, Slovenia, South Africa, Sweden, Turkey, United Kingdom, United States.

* = in development

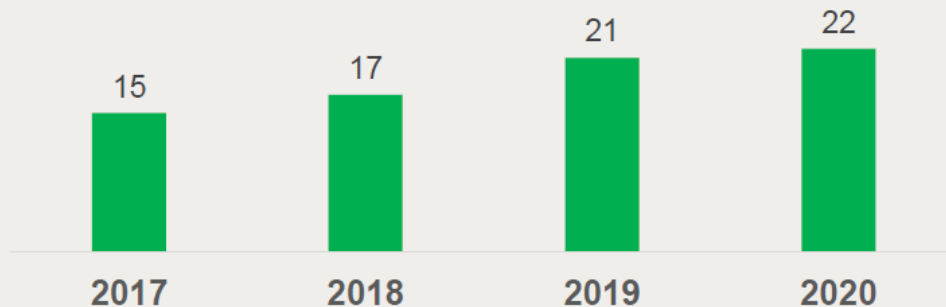
Next Generation Network (NGN)

NGN Statistics

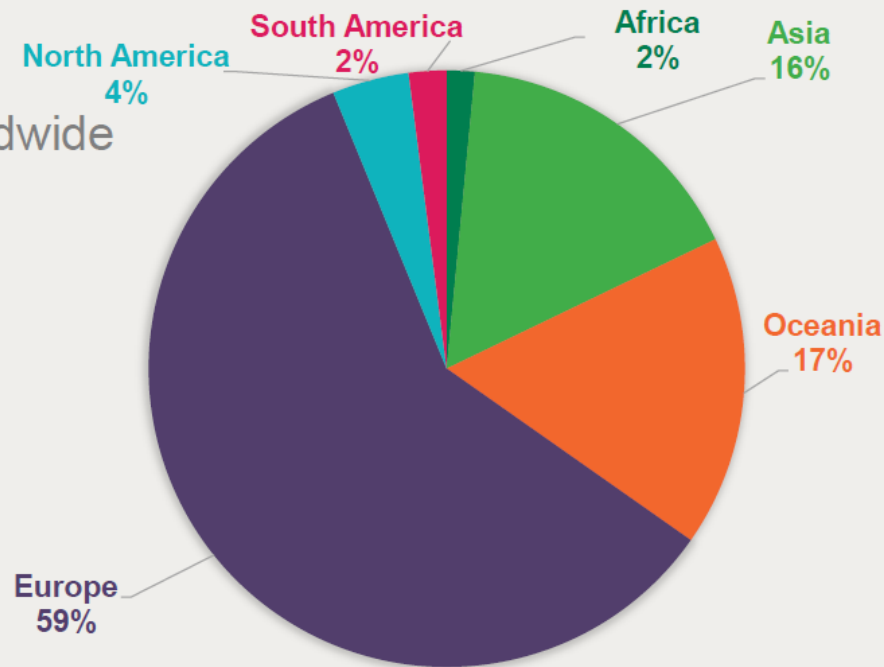
- Current NGN Membership*

➤ Approximately 1.350 NGN members worldwide

- Growth of NGN Groups



30 NGNs in 2022



*Based on 2019 NC Activity Reports and NGN group self-reports



Next Generation Network (NGN)

Prednosti članstva u NGNu:

- Informacije:
 - Pristup e-CIGRE web stranici i ELECTRA časopisu.
 - Mjesečni bilten o događajima koji dolaze i izvještaj s nedavnih događaja pod pokroviteljstvom CIGRE.
- Angažman:
 - Pristup radnim skupinama te mogućnost sudjelovanja u tehničkom radu CIGRE.
 - Pristup Paris Session-u koje je vrhumac tehničkih aktivnosti CIGRE.
 - Pristup namjenskim događajima (tehnički posjeti, predavanja,...).
- Mreža:
 - **Interakcija i dijeljenje iskustva s kolegama diljem svijeta.**
- Osobni razvoj:
 - Mogućnost poboljšanja ključnih vještina za profesionalni razvoj (komunikacija, organizacija, planiranje, tehničko znanje).

Croatia Next Generation Network - svrha i planovi?

- uključivanje studenata i mladih inženjera u članstvo CIGRE i NGN sekcije;
- aktivno uključivanje članova NGN-a u **radne grupe CIGRE** i sudjelovanje u izradi i pripremi tehničkih brošura;
- organizacija različitih događaja kao što su **webinari**, različite vrste predavanja, radionice;
- prezentiranje e-cigre.org stranice koja članovima omogućava **pristup velikom broju članaka, tehničkih brošura i knjiga**;
- aktivno uključivanje članova NGN-a u organiziranje događaja unutar nacionalnih CIGRE odbora (organiziranje konferencija lokalnog i međunarodnog karaktera, organizacija simpozija i kolokvija...);
- dodjele nagrada za najbolje radove članovima NGN-a koji su objavili rad u časopisima CIGRE ili na konferencijama;
- motiviranje NGN članova za pisanje radova na CIGRE konferencijama;
- uključivanje akademske zajednice i industrije u NGN aktivnosti;
- organizacija tehničkih posjeta postrojenjima i tvornicama;
- uspostavljanje kontakta između mlađih članova NGN-a i industrije (poslodavaca);
- omogućavanje određenog broja besplatnih kotizacija članovima NGN-a (na konferencijama CIGRE);

CRO CIGRE NGN – sudjelovanja i aktivnosti

- 05.06.2020. održan je online sastanak CIGRE NGN sekcija na međunarodnoj razini.
- Na sastanku kojim je predsjedala Kerstin Weindl (NGN Austria) održano je ukupno 9 prezentacija NGN sekcija koje pripadaju nacionalima odborima CIGRE-a iz: Austrije, Finske, Njemačke, Grčke, Italije, Slovenije, Južnoafričke Republike, Ujedinjenog Kraljevstva i Sjedinjenih Američkih Država.
- Sastanku su prisustvovali i članovi NGN-a HRO CIGRE Ivana Damjanović, Nina Stipetić i Božidar Filipović-Grčić sa Fakulteta elektrotehnike i računarstva Sveučilišta u Zagrebu.
- Svaka pojedina NGN sekcija je prezentirala aktivnosti koje se provode u okviru djelovanja nacionalnih CIGRE odbora.

CIGRE NGN aktivnosti

- Na 48. međunarodnoj Cigre konferenciji (Paris 2020) – NGN Forum
- NGN Forum, 23. kolovoz 2021.



- Pripreme za Paris Cigre 2022 – online sastanak za NGN – priprema za dolazak na Paris Session, upute, organizacija događanja izvan službenog rasporeda konferencije za bolje umrežavanje

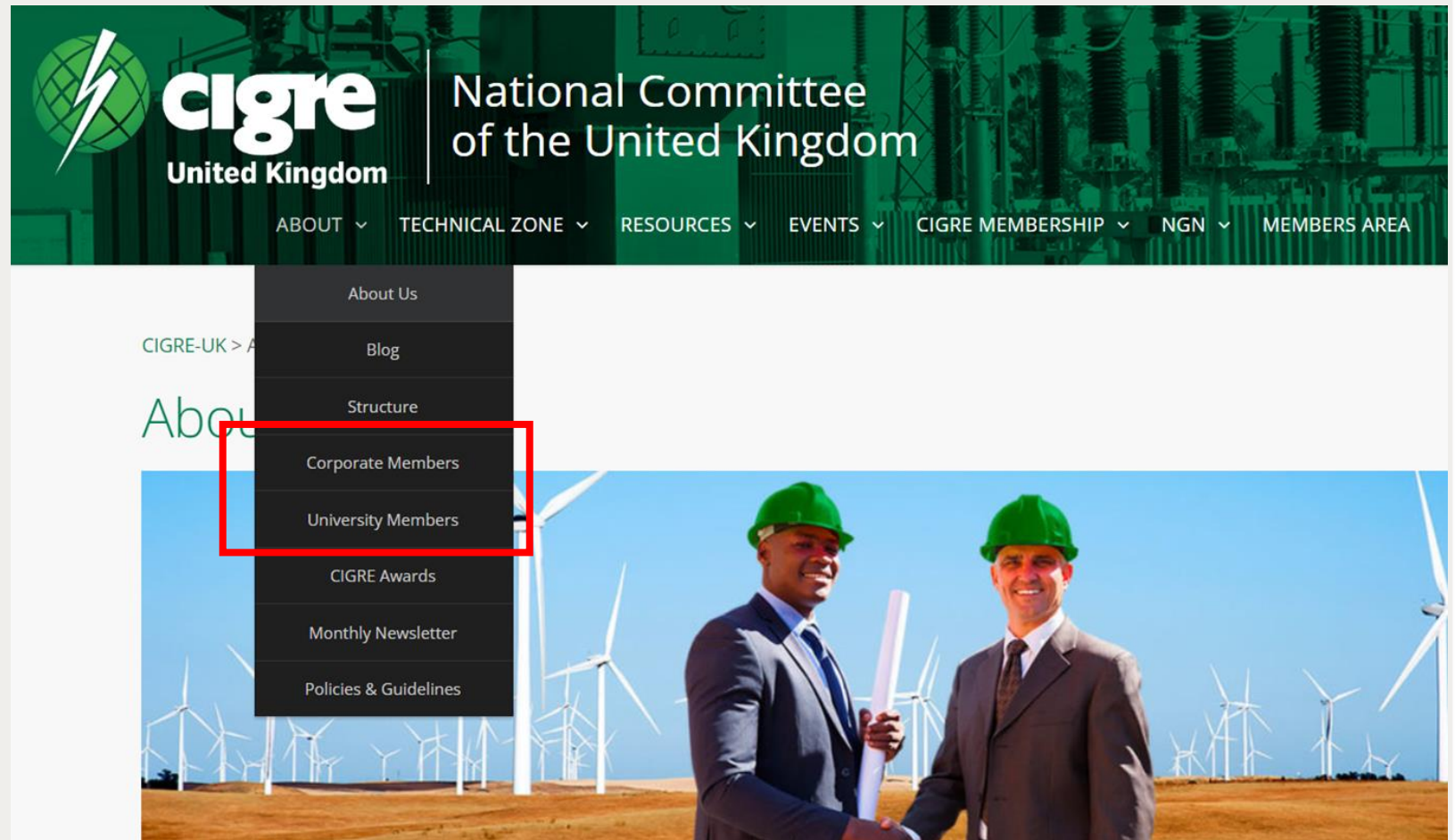


“If you have a challenge someone in the community has probably worked on it already”

- Za sudjelovanje na pariškoj konferenciji, svaki nacionalni odbor predlaže do 4 kandidata. Za Paris Session 2022 predlagana su 2 člana. U Parizu je održan NGN Forum.
- 19.10.2022. – održan online sastanak NGN predstavnika (analiza konferencije, novi članovi, prezentacije – ruska platforma za povezivanje sveučilišta i industrije, izbor novog tajnika)

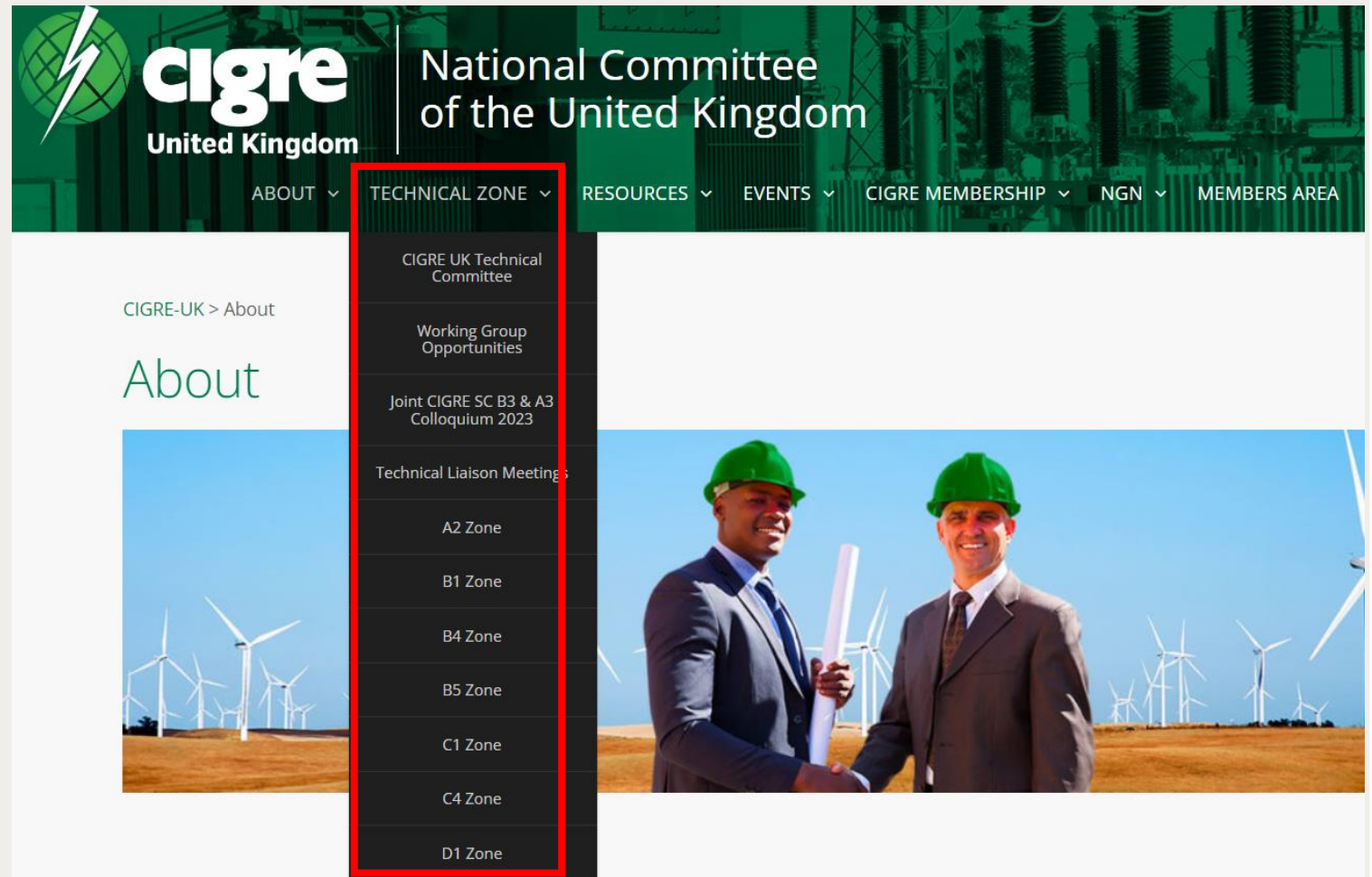
Primjeri dugogodišnje aktivnih nacionalnih NGN sekcija

- <https://www.cigre.org/GB/community/next-generation-network>
- <https://cigre.org.uk/>
- <https://www.cigreaustralia.org.au/>
- <https://www.cigre-cired.si/>



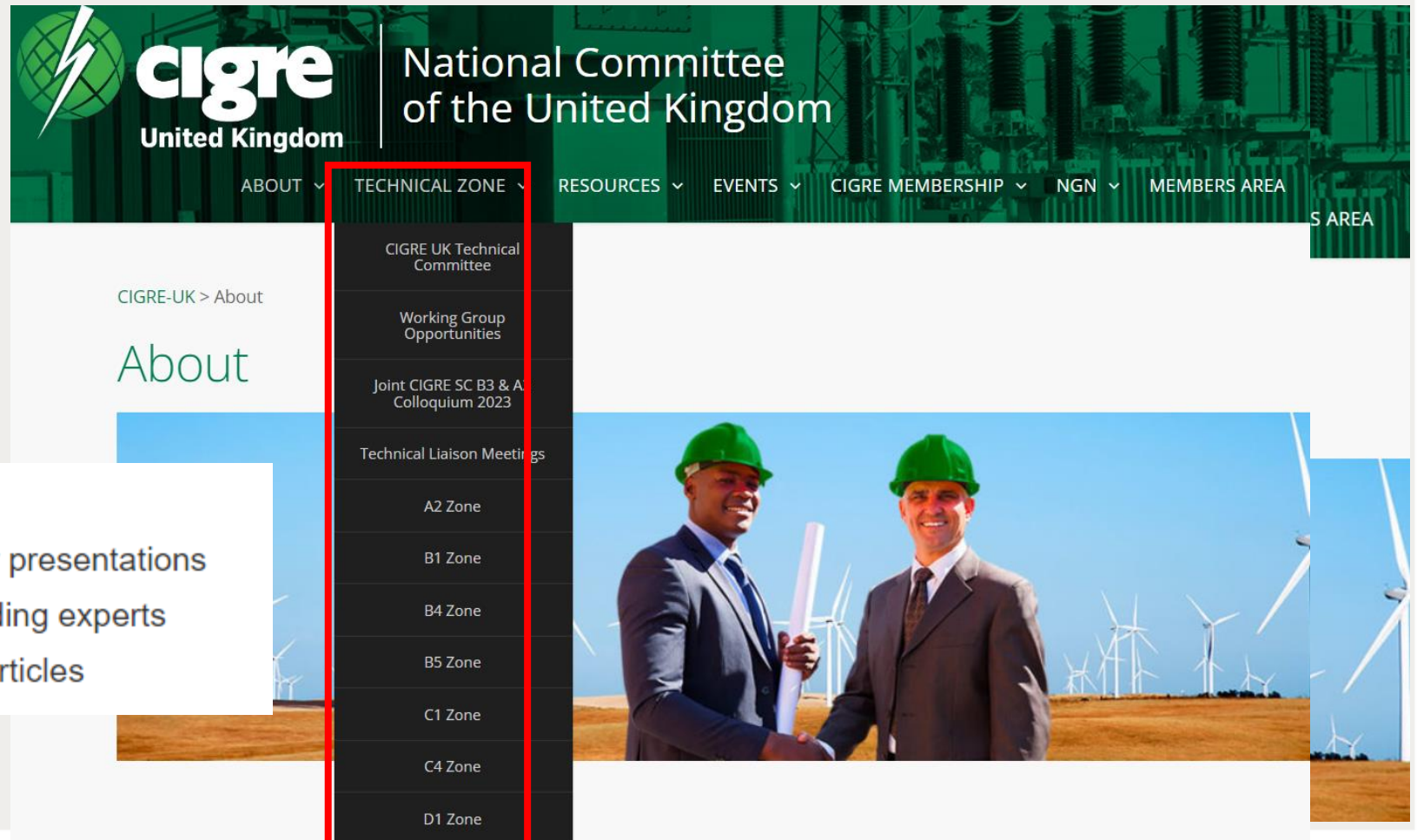
Primjeri dugogodišnje aktivnih nacionalnih NGN sekcija

- <https://www.cigre.org/GB/community/next-generation-network>
- <https://cigre.org.uk/>
- <https://www.cigreaustralia.org.au/>
- <https://www.cigre-cired.si/>



Primjeri dugogodišnje aktivnih nacionalnih NGN sekcija

- <https://www.cigre.org/GB/community/next-generation-network>
- <https://cigre.org.uk/>
- <https://www.cigreaustralia.org.au/>
- <https://www.cigre-cired.si/>



Our initiatives include:

- Web-based video of CIGRE seminar presentations
- Q&A with some of our industry's leading experts
- Access to CIGRE publications and articles

Member Benefits

- Free supply of ELECTRA Journal, a bilingual (French/English) magazine issued every two months. It publishes the results of work performed by CIGRE Study Committees and gives information on the life of the Association (not applicable to student members).
- Reduced registration fees for Sessions and Symposia.
- Session Papers and Proceedings available free of charge for delegates.
- Symposium Papers available at member price (-50%).
- Technical brochures and other reports at a preferential price, or free of charge when downloaded from the CIGRE on-line bookstore.
- Opportunity to become involved in Australian or global Study Committees, Working Groups and panels (not generally available to student members).
- A Membership Directory, free of charge, which is a link between members and is an essential tool for contacts.
- Updated information about CIGRE International and other meetings of interest for members

If you wish to join a global forum for large electrical systems, tap into technical expertise and become empowered with the knowledge required to meet Australia's challenging market, register today.

To join click the link below to the membership type relevant to you.

Individual Member I - \$341

Individual Member II - \$171

Young member (under 35 years).

Collective Member I - \$1948

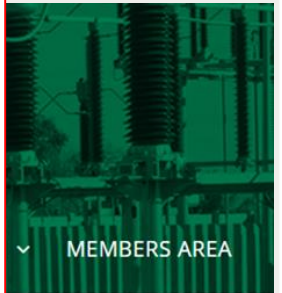
Administrative bodies, scientific and technical organisations, research institutes, public or private companies of an industrial and/or commercial nature etc.

Collective Member II - \$1087

Universities, educational bodies only.

Student Member - Free

Full time tertiary students.



Paris Session 2022



- **3500+** delegates
 - **5000** industry participants
 - **90+** countries
 - Massive trade exhibit
 - **160+** working meetings
 - **30+** Study Committee sessions
- **5 days** of Conference & Technical Exhibition
 - **3 floors** of exhibition space
 - **>300 exhibitors** from around the world
 - Session area of **>17000m²**



Paris Session 2022

- **Technical Sessions (e.g. GDMs, Poster Sessions, Tutorials, Workshops)**

Read the Special Reports!!

And papers that peak your interest! You can meet the authors at the poster sessions

Make a contribution at the GDMs – log in to the Session website.

Max 3 minutes responding to the special reports

- **Technical Exhibition**

Take a look at the exhibitors before the Session and arrive armed with plenty of questions

- **Meetings of Study Committees, Working Groups & Advisory Groups**

Invite only, or with prior agreement of the chair / convenor

- **Special Forums – e.g. NGN and WiE**

Join in and contribute to transforming Cigre for the next generation!

Paris Session 2022 – NGN activities

NGN Presentation Showcase & Showcase Presentation Competition

Presenters will present in the Group Discussion Meetings, take part in the poster session and also present in a special competition event just before the NGN forum

NGN Booth

Exhibition stand as central location for NGN members to meet, share ideas and advertise their contribution to CIGRE

Including a programme of events including a technical poster session and meet-ups with industry experts

NGN Forum

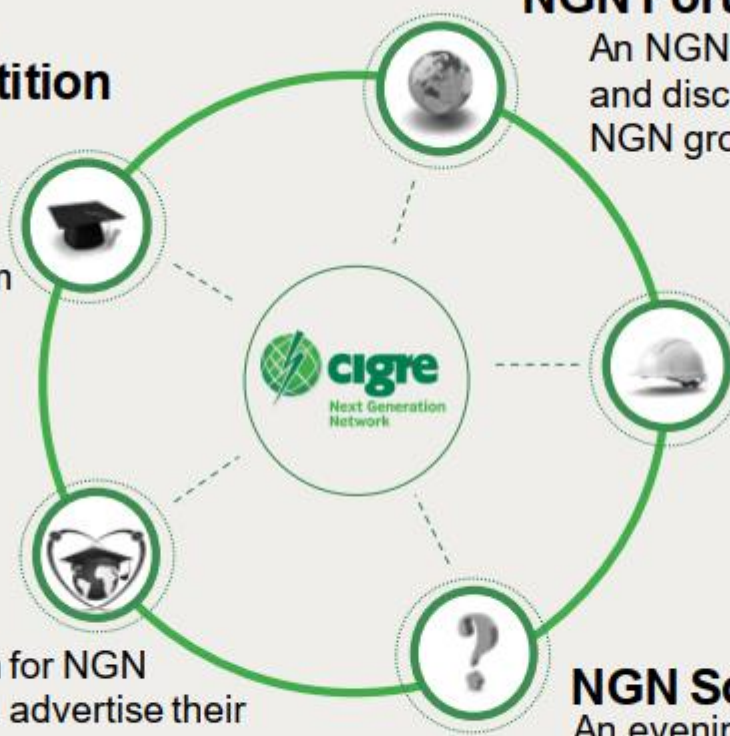
An NGN session packed with engaging presentations and discussion. A chance to meet and learn from other NGN groups and CIGRE experts

NGN Technical Event

A technical visit to a local substation with a static VAR compensator.
An opportunity to learn and to network with fellow NGN members

NGN Social Programme

An evening event to facilitate networking and building of friendships between international NGN members
Further ad-hoc opportunities to network.



Paris Session 2022 – NGN activities

Note: The NGN Booth will be open from 8:30am to 6:00pm from Monday (29/08) to Friday (02/09)

Date	Start Time (Paris GMT+2)	End Time (Paris GMT+2)	Activity	Details	Location
28 August 2022	14:00	15:45	NGN IEC Meeting	Prior to Opening Ceremony. Meeting is open to all NGN Members to observe in person. Teleconference details can be found here: https://cigre-groups.org/x/doMRCg	Room 252A
29 August 2022	08:00	08:30	NGN Activities Briefing		NGN Booth
30 August 2022	10:00	12:00	NGN Technical Tour	RTE High Voltage Facility. Meet in front of Palais de Congres at 8:30am to travel as a group to the facility. Registration Required. https://www.eventbrite.fr/e/billets-cigre-paris-session-2022-ngn-technical-visit-382780906997	RTE HV Facility
	16:00	17:00	Career Speaker #1	Stewart Bell, Executive General Manager, Powerlink Queensland. Opportunity for Q&A at the end.	NGN Booth
31 August 2022	08:00	11:00	NGN Showcase Presentation Competition	10 minute presentations followed by quick Q&A.	Room 352B
	11:00	14:00	NGN Forum	NGN presentations from various countries, Motivational Speech/Keynote by Arshad Mansoor, NGN Speed Networking Breakout Session	Room 352B
	14:00	15:00	NGN Showcase Presentation Competition	10 minute presentations followed by quick Q&A.	Room 352B
	15:00	17:00	NGN Technical Presentations	10 minute presentations.	Room 352B
	16:00	17:00	Career Speaker #2	Pascal Darleiden, Country Managing Director, Hitachi Energy Germany AG. Opportunity for Q&A at the end.	NGN Booth
01 September 2022	14:00	16:00	NGN Poster Session	Poster authors available during this time with opportunity for Q&A.	NGN Booth
	16:00	17:00	Career Speaker #3	Olivier Grabette, Senior Executive Vice President, European Projects. Opportunity for Q&A at the end.	NGN Booth
02 September 2022					

Paris Session 2022 – NGN Forum

Time	Description	Presenter(s)
11:00	Introduction to NGN Forum	Aditie (US)
11:15 – 11:20	NGN Overview	Stefie, NGN IEC Chair (DE)
11:20 – 12:00	NGN Presentation (5 min. each) + 10 min. Q&A	NGN UK NGN Belgium NGN Romania NGN Netherlands NGN Slovenia
	5 min. extra time	
12:05 – 12:25	Talk/Q&A Session with CIGRE Steering Committee Member	Mike Heyeck (CIGRE VP Finance)
	5 min. extra time	
12:30 – 1:00	Invited Speaker 15-20 min. speech 10 min. Q&A	Arshad Mansoor (CEO, EPRI)
	10 min. extra time	
1:10 – 1:40	NGN Speed Networking Breakout Session	NGN Volunteers

NGN Social event & CIGRE Soirée





NGN Forum 2022



NGN booth 2022



NGN technical visit



NGN Social event & CIGRE Soirée



+353 87 363 2282

~David Byrne

Hi all, is anyone arriving in CDG airport tomorrow around 12:35pm and wants to share a taxi into the city centre?

16:46



cigre
PARIS SESSION
2022

NGN Social event & CIGRE Soirée



NGN Social event & CIGRE Soirée



Hvala na pažnji!



cigre

For power system expertise

Božidar Filipović-Grčić, Ivana Damjanović, Nina Stipetić

Fakultet elektrotehnike i računarstva