



PARIS
SESSION
2026

WELCOME TO PARIS



- ≡ The city of lights,
the cradle of CIGRE
- ≡ 51st edition
- ≡ 5400+ have registered
- ≡ From 96 countries





Konstantin O. PAPAILIOU
(Greece)
President of CIGRE



Tim MEYERJÜRGENS
(Germany)
CEO of TenneT Germany,
Keynote



Rannveig S. LOKEN
(Norway)
Vice-President Technical



Nenad UZELAC
(USA)
OneGrid Convener



Michael HEYECK (USA)
Vice-President Finance,
Treasurer,
CIGRE Fund President



Philippe ADAM
(France), Secretary
General of CIGRE

-
- A world map illustrating the global distribution of the genus *Euphorbia*. The map uses a color-coded system: green for regions where the genus is present and grey for regions where it is absent. Green areas cover most of North America, Europe, Asia, and Australia. Grey areas include Greenland, Iceland, and several countries in Africa and South America. The map also shows latitude and longitude lines.

CIGRE in a nutshell

- ⇒ **330+ Working Groups managed by 16 Study Committees**
- ⇒ **4600+ WG experts from 58 National Committees**
- ⇒ **866 Session paper Reviewers**
- ⇒ **62 Session Special Reporters**



In Memoriam of Professor Evangelos Dialynas 1952 – 2025



- **Past Chair of the Greek National Committee**
- **Past member of the Administrative Council of CIGRE**

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Konstantin O. PAPAILIOU
President of CIGRE

*“Where do I begin,
to tell the story of how great
a love can be”*

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Tim MEYERJÜRGENS
CEO TenneT Germany



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Rannveig S. LOKEN
Vice-President Technical



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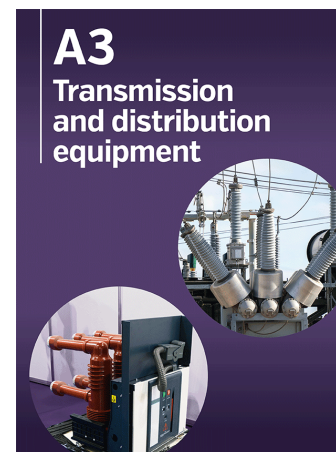
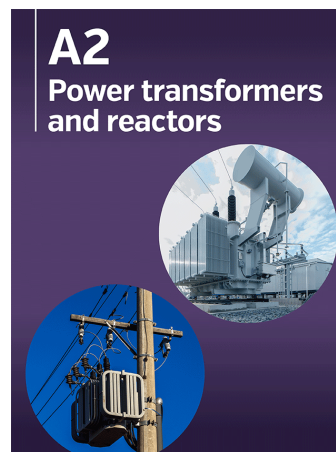
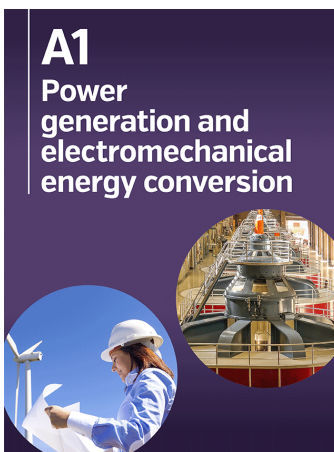
Technical Programme

Rannveig S. J. Løken

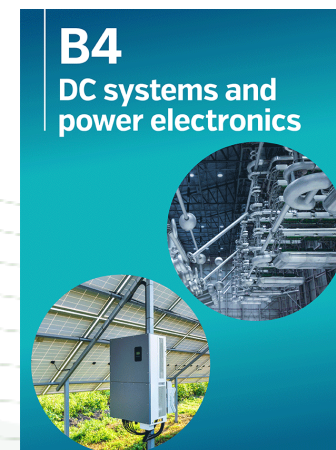
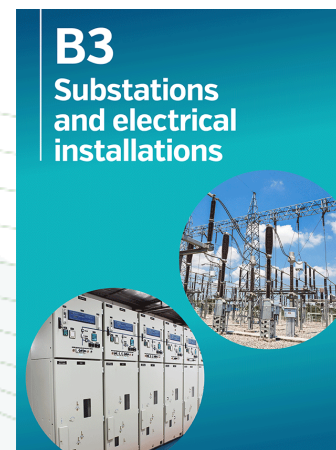
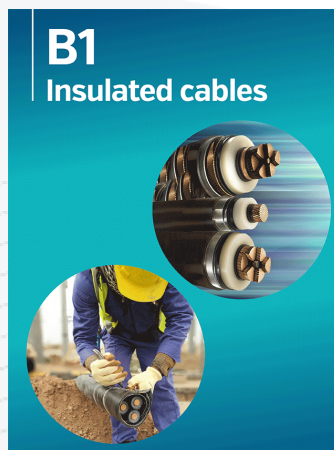


CIGRE's 16 domains of work - 16 Study Committees

Equipment

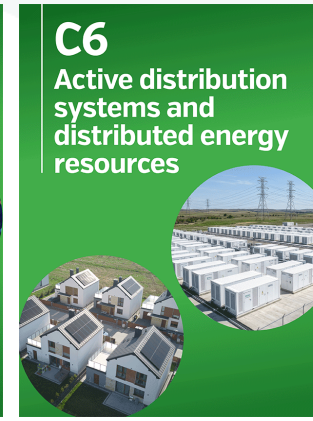
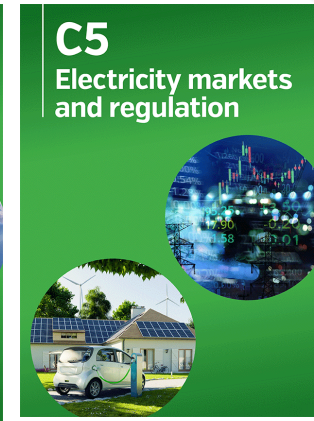
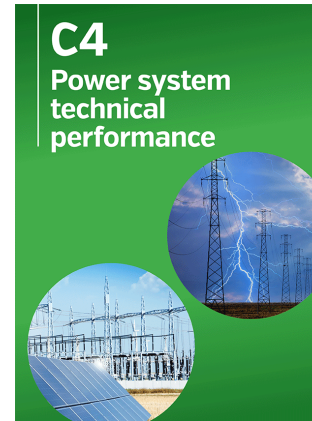
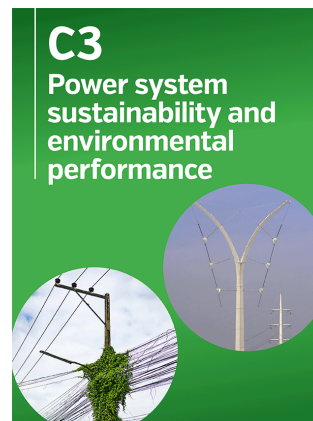
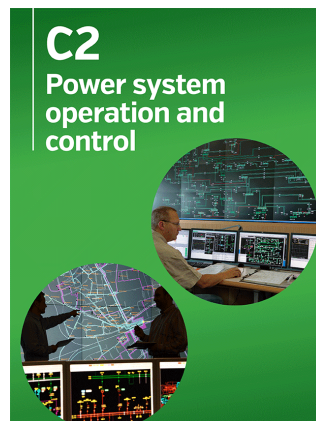


Technologies

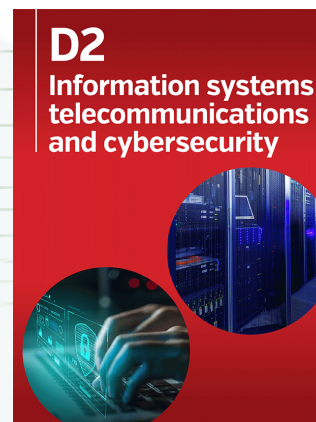


CIGRE's 16 domains of work - 16 Study Committees

Systems



New Materials and IT



Opening Panel - Artificial Intelligence Related Advancements into the Electricity Industry

Monday 24 August, 8.30-11.45 Grand Amphitheatre

- ⇒ Technical path and solutions for a green resilient grid
- ⇒ Impact on the grid from data centers and Artificial Intelligence
- ⇒ Application and technologies related to Artificial Intelligence
- ⇒ Artificial Intelligence and CIGRE

Many Workshops, including

- ⇒ SF6 replacement and alternatives (SC A3, B3 and D1)
- ⇒ Grid forming Technologies and Control in Modern Power Systems (SC B4 and C4)
- ⇒ Large loads inverter based (SC C1, C2 and C4)
- ⇒ Superconducting cables (SC B1)
- ⇒ Retail electricity market (SC C5)
- ⇒ Wide Area EMT Simulations for Stability Analysis (SC C4)



Large Disturbance Workshop

Monday 24 August, 14.00-18.00

Grand Amphitheatre

(SC C2 and C5)

- ⇒ Grid incident in Spain and Portugal on 28 April 2025
- ⇒ Chile blackout on 25 February 2025
- ⇒ Georgia system blackout on 19 April 2025



Selection of Tutorials - 16 in Total

- ⇒ Ecodesign methods for the power system (SC C3)
- ⇒ Beyond Visualisation - The 3D Digital Transformation of Substation Engineering (SC B3)
- ⇒ AI and Emerging Technologies for Resilient Distribution Networks (SC C6)
- ⇒ Digital twins for power transformers - Concept and future perspectives (SC A2)
- ⇒ The advancement of Protection Automation and Control System architectures with focus on process bus implementation and virtualization of protection IEDs (SC B5)



Poster Sessions - Meet the Authors & Discuss their Papers

Poster sessions for each Preferential Subject of each Study Committee

Examples:

- Testing, Monitoring and Diagnostics (SC D1)
- Recent experience with AC and DC cables, both land and submarine (SC B1)
- Transformation of T&D assets for evolving grid conditions (SC A3)
- Rotating Electrical Machines and the Energy Transition (SC A1)



Group Discussion Meetings – 16 Study Committees

**Special Reports for the papers of each
Study Committee**

**– Summary of Papers and questions
to be discussed**

Examples:

- Sustainability and climate change impacts on overhead lines (SC B2 and C3)
- Major challenges to the Power Transformer Industry (SC A2)
- Comprehensive approaches to managing cybersecurity in energy applications (SC D2)



Meetings by Invitation Only

- **Study Committee Meetings**
Regular Study Committee Member
- **Working Group Meetings**
Regular/Corresponding Member



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Nenad UZELAC
CIGRE OneGrid Convener
OneGrid
Distribution & Transmission
working together

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OneGrid

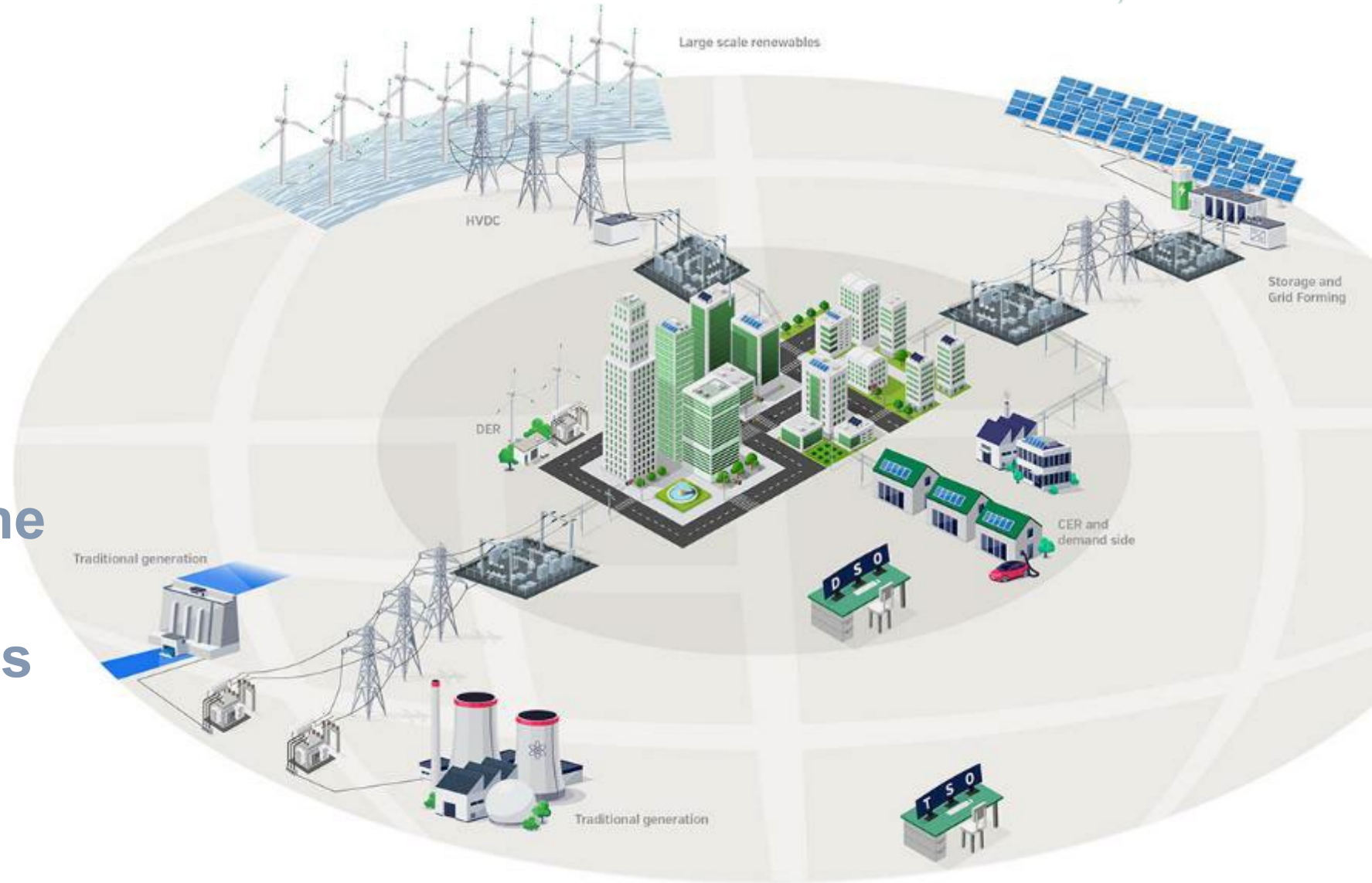
Distribution & Transmission
working together

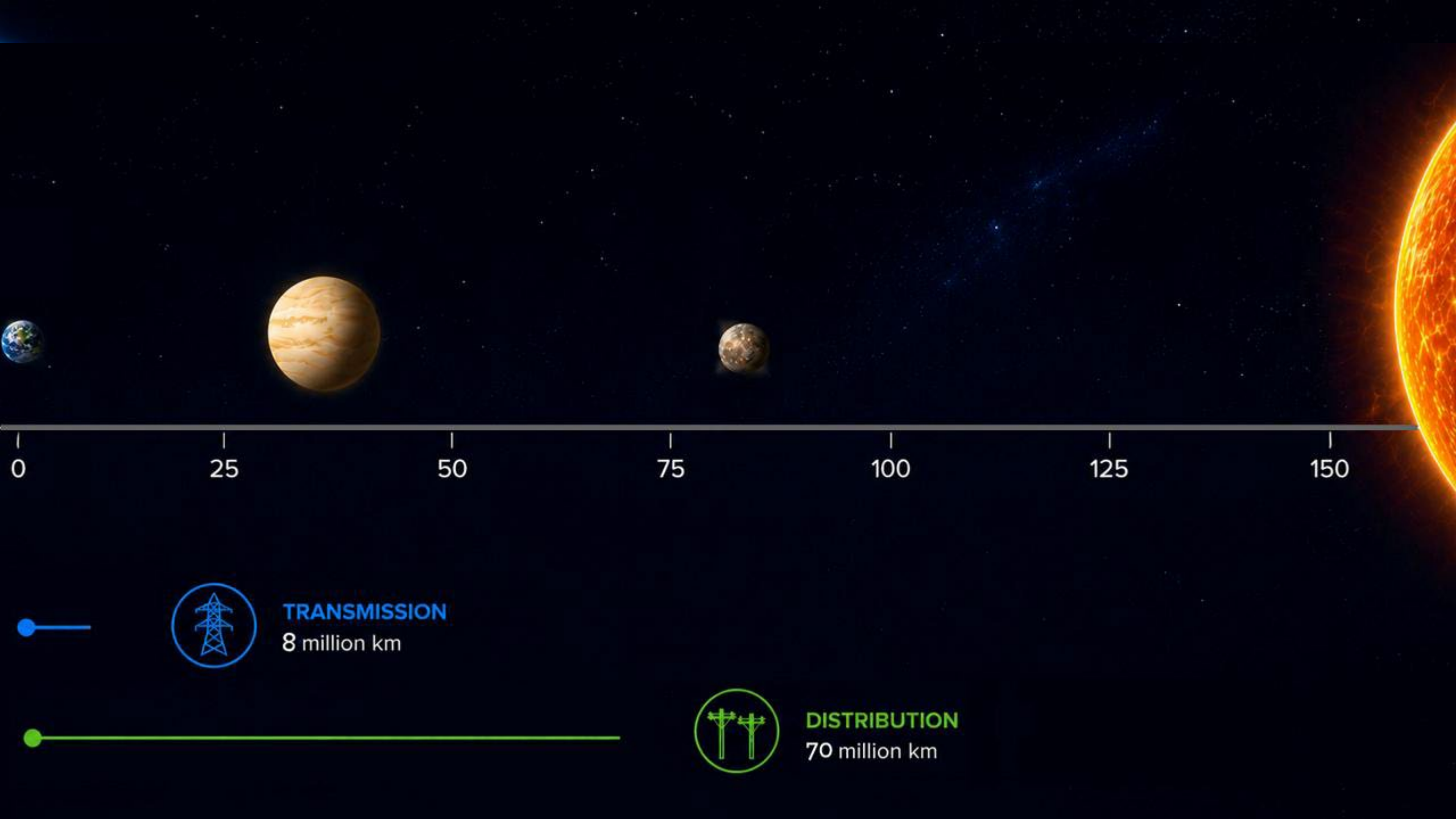
Nenad Uzelac



**Distribution and
Transmission
boundaries are
dissolving**

**Electrons follow the
rules of physics,
NOT the boundaries
we create**

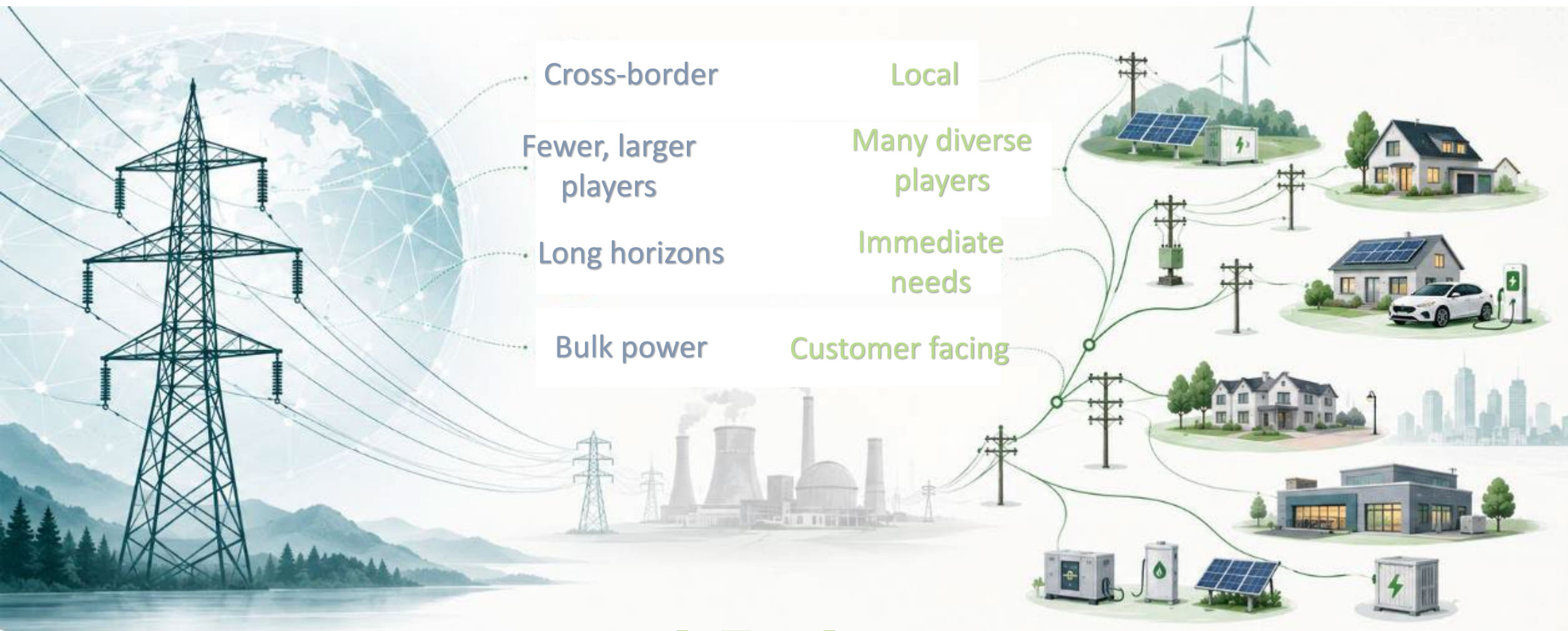




TRANSMISSION
8 million km



DISTRIBUTION
70 million km



Local Relevance

OneGrid

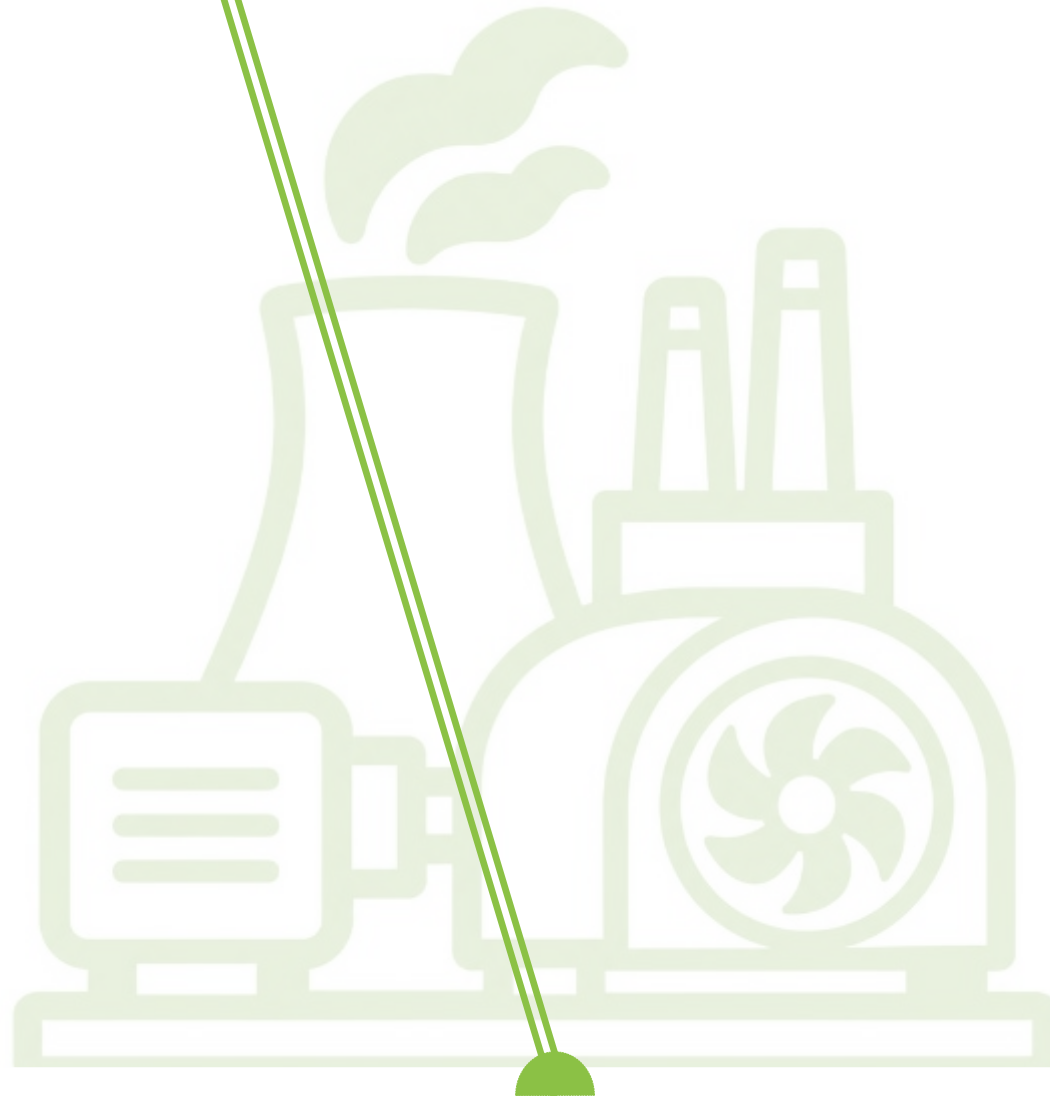
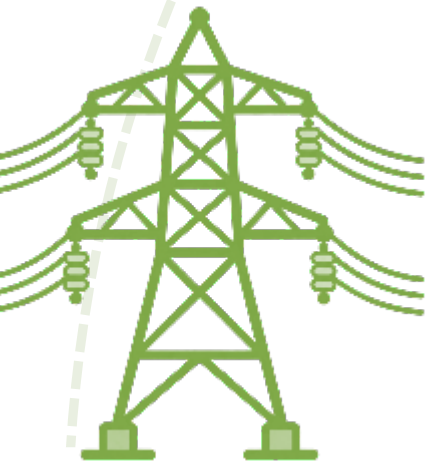
PRESENT



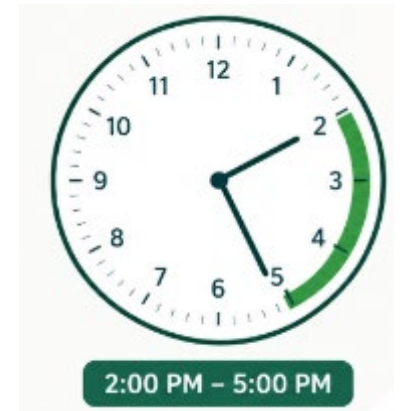
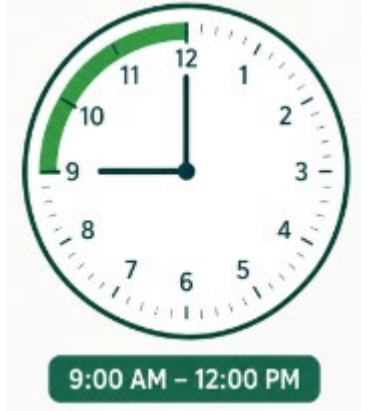
OneGrid



FUTURE



OneGrid

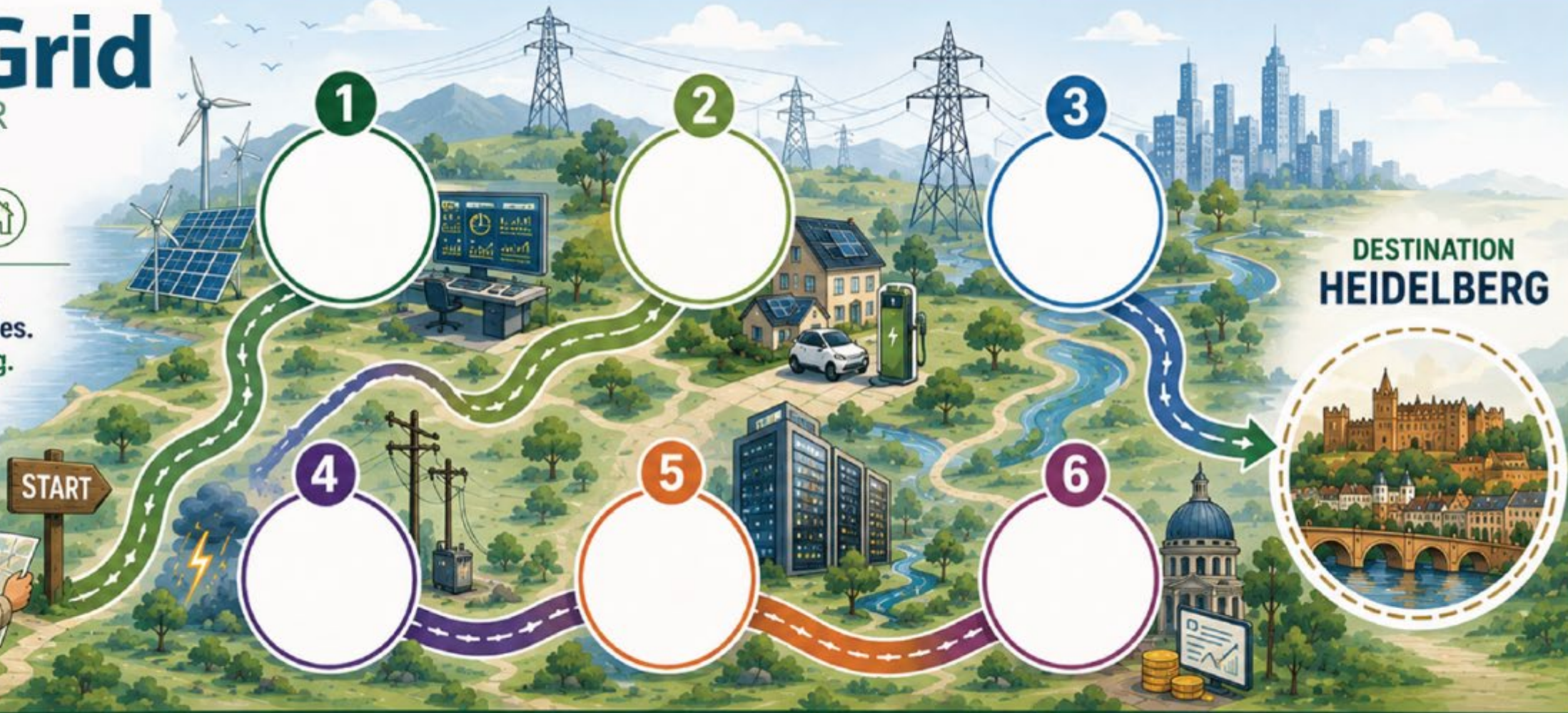


OneGrid

EXPLORER



Explore the Grid.
Connect the Nodes.
Reach Heidelberg.



VISIT ALL 6 NODES
AT THE ONEGRID PAVILION



RETURN TO
THE HOST



ENTER THE DRAW TO WIN
A FREE REGISTRATION TO THE
CIGRE HEIDELBERG SYMPOSIUM



OneGrid
Distribution & Transmission
working together



OneGrid Team



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Mike HEYECK
CIGRE Fund President



**INNOVATION
& EDUCATION
FUND**

Powered by **CIGRE**

CIGRE Funding our Global Energy Future

Michael Heyeck



**INNOVATION &
EDUCATION FUND**

Powered by **CIGRE**



Seed

➔ **CIGRE Success**

Opportunity

➔ **CIGRE & Donor Partners**

Grants

➔ **Expanding CIGRE Strategy**



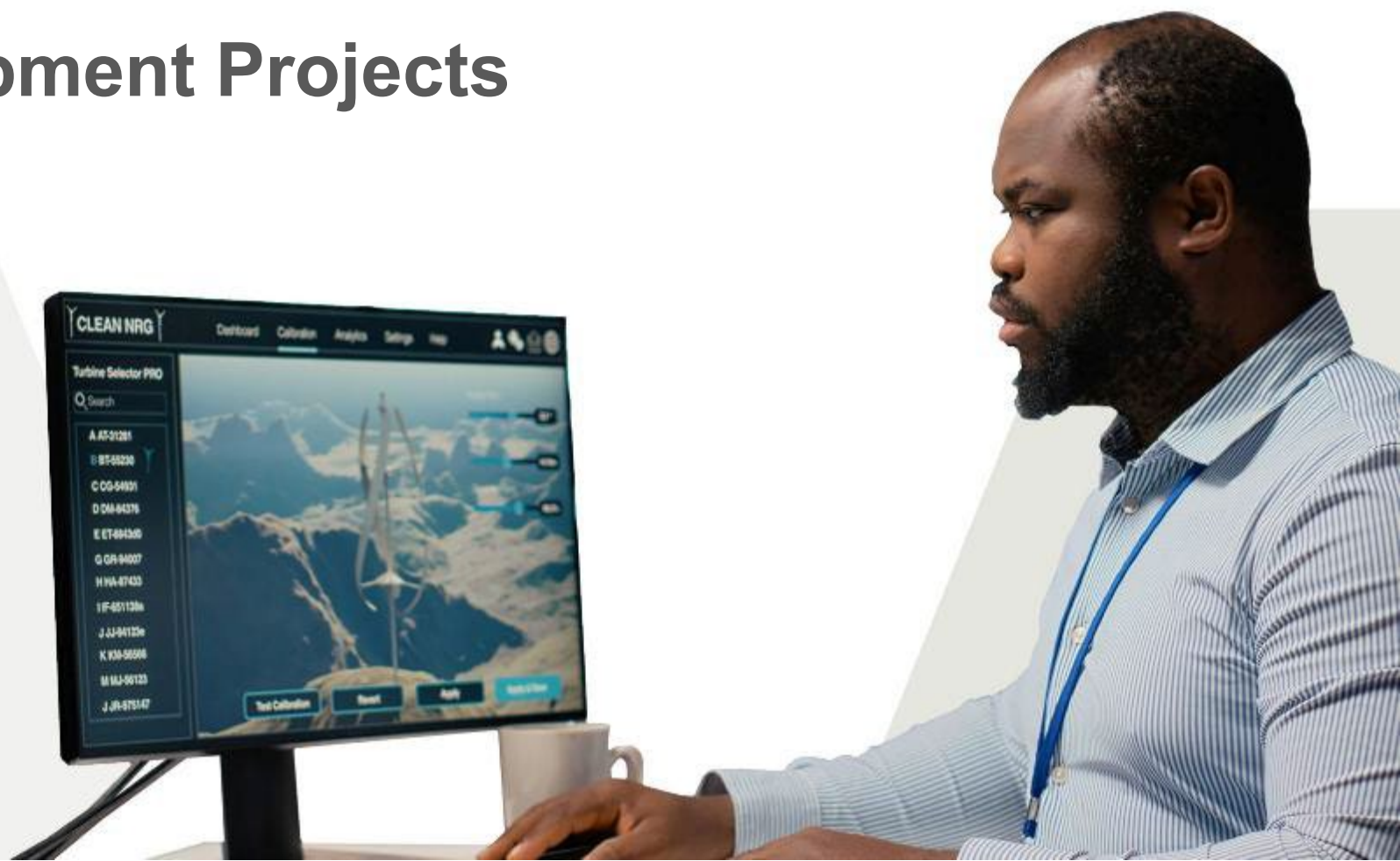
**INNOVATION &
EDUCATION FUND**
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Expanding CIGRE Strategy Innovation

Research & Development Projects



Powered by **CIGRE**



Expanding CIGRE Strategy Scholarship

Graduate Scholarships



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Expanding CIGRE Strategy Education

Programmes for our
Future Workforce





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Expanding CIGRE Strategy

Humanitarian

Sustainable Electricity For All



64

PROPOSALS
RECEIVED



11

PROJECTS
SELECTED



€597,000

YEAR 1
FUNDING

€866,000

TOTAL FUNDING
OVER 3 YEARS

Proposal sources

56

From 20
National
Committees

3

From 1
Regional
Council
(SEERC)

2

From
Study
Committees
(A2, D1)

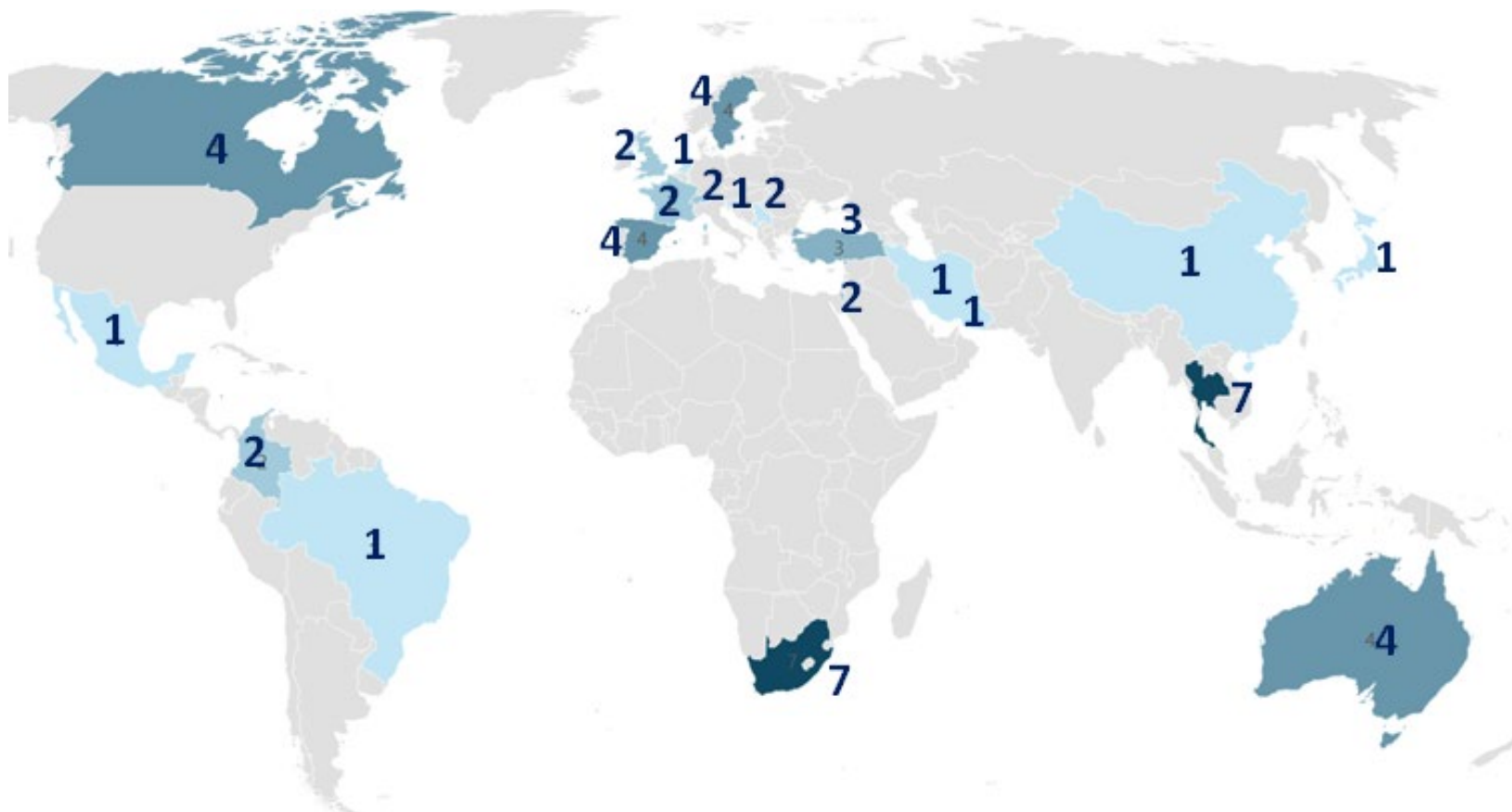
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Submitted
after the
deadline

Originating Countries — Asia & Africa



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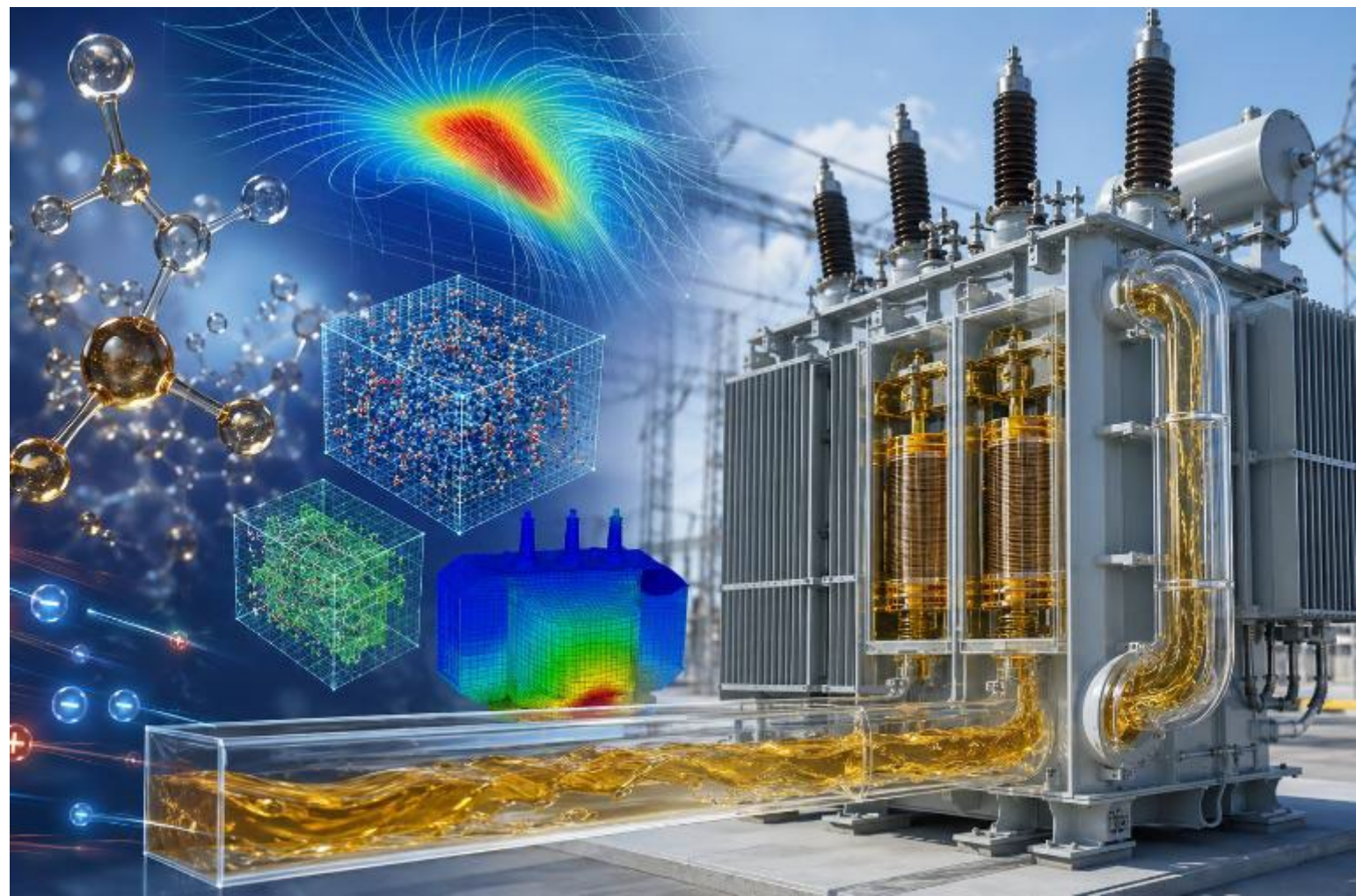


Innovation

From molecules to power transformers

From CIGRE D1 (Japan)

€70,000 - 36 months



Innovation

Low-carbon transition pathways For rural energy systems

From China

€100,000 - 20 months



Innovation

Novel theory for a whole-system concept for the energy transition

From South Africa

€100,000 - 21 months



Innovation

Virtual power plants for reliable energy in South Asia

From Australia towards Bangladesh–Bhutan–India–Nepal (BBIN) region

€25,000 - 20 months



Education

Empowering rural schools on renewable energy education

From Montenegro

€135,000 - 36 months



Education

Whole energy system planning for the energy transition

From United Kingdom

€47,200 - 24 months



Education

Empowering women for sustainable community development

From West Africa towards Nigeria, Ghana

€88,700 - 12 months



Education

Forecasting for emerging grid demands and AI data centers

From Canada

€100,000 - 12 months



Humanitarian

Rural electrification & training

From Switzerland towards Ethiopia

€80,000 - 12 months



Humanitarian

Sustainable electricity for isolated rural populations

From France towards
Madagascar, Benin, Togo

€100,000 - 12 months



Humanitarian

Sustainable electricity for rural villages

From Colombia

€20,000 - 12 months



CIGRE Funding our Global Energy Future



**INNOVATION &
EDUCATION FUND**

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**Technical
Council Awards**



**NGN
Significant
Contribution**



**Women in
Energy**



**Honorary
Members**



CIGRE Fellows



CIGRE Medal

CIGRE Awards Ceremony 2026



Technical Council Awards

In recognition of the active contribution of CIGRE
Members to the technical work of the Study Committees

Technical Council Awards 2026

Study Committee A1
Power Generation and
Electromechanical Energy
Conversion



Kevin MAYOR
(Switzerland)

Study Committee A2
Power Transformers
and Reactors



TaraLee Mc ARTHUR
(Australia)

Study Committee A3
Transmission and
Distribution Equipment



Erik SPERLING
(Switzerland)

Technical Council Awards 2026

Study Committee B1
Insulated Cables



Soren Krüger OLSEN
(Denmark)

Study Committee B2
Overhead Lines



Tetsuya YAMANAKA
(Japan)

Study Committee B3
Substations
and Electrical Installations



Crina COSTAN
(Romania)

Technical Council Awards 2026

Study Committee B4
DC Systems and
Power Electronics



Kamran SHARIFABADI
(Norway)

Study Committee B5
Protection and
Automation



Kazuhiro ENOMOTO
(Japan)

Study Committee C1
Power System
Development and
Economics



Charlotte HIGGINS
(UK)

Study Committee C2
Power System
Operation and Control



Vivek PANDEY
(India)

Technical Council Awards 2026

Study Committee C3
Power System Sustainability
and Environmental Performance



Angel SALINAS
(Spain)

Study Committee C4
Power System
Technical Performance



Genevieve LIETZ
(Australia)

Study Committee C5
Electricity Markets
And Regulation



Alex CRUICKSHANK
(Australia)

Technical Council Awards 2026

Study Committee C6
Active Distribution Systems
And Distributed Energy
Resources



Evert DE HAAN
(Netherlands)

Study Committee D1
Materials and
Emerging Test Techniques



Jelena LUKIC
(Serbia)

Study Committee D2
Information Systems,
Telecommunications
and Cybersecurity



Thuthukani BIYELA
(South Africa)

Technical Council Awards 2026



Technical Council Secretary
Alain XEMARD
(France)



Women in Energy Awards

In recognition of active contributions to the Association's activities and to the promotion of Women in Energy within CIGRE at national and global levels

Women in Energy Awards 2026



**Laurie-Anne
CLÉMENT-CHARPENTIER
(France)**



**Carla DAMASCENO
(Brazil)**



**Aimée INTAC LEUNG
(Canada)**

Women in Energy Awards 2026



Elizabeth LAROSE
(United States)



Ajla MERZIC
(Bosnia and Herzegovina)



Rebecca OSTASH
(Canada)



Next Generation Network Significant Contributions

In recognition of the outstanding contributions
of NGN members to CIGRE activities

NGN Significant Contributions 2026



Bo LEI
(China)



Andres LASO
(United States)



Adrian LLOYD
(Australia)

NGN Significant Contributions 2026



Conor MULHOLLAND
(Ireland)



Aine NurAizza NURUDDIN
(Canada)



Radu OPREANU
(Romania)



Honorary Members

In recognition of exceptional service to CIGRE and significant participation in CIGRE technical activities in a leadership role

Honorary Members 2026



Richard ADAMS
(United Kingdom)



Geir CLASEN
(Norway)



Kurt DEDEKIND
(South Africa)

Honorary Members 2026



Liisa HAARLA
(Finland)



Pablo R. HERRERIAS
(Spain)



Jingxuan (Joanne) HU
(Canada)

Honorary Members 2026



Antonio ILICETO
(Italy)



Enrico Maria CARLINI
(Italy)

Honorary Members 2026



Pascal MÜLLER
(Switzerland)



Peter RODDY
(United Kingdom)



CIGRE Fellows

In recognition of active participation in the technical work of the Study Committees and a leading technical role within the Study Committees

CIGRE Fellows 2026



Udaya ANNAKKAGE
(Canada)



Nirmal-Kumar NAIR
(New Zealand)

CIGRE Fellows 2026



Balint NEMETH
(Hungary)



Simon RYDER
(United Kingdom)



Pierre VAN DYKE
(Canada)



CIGRE Medal

In recognition of an outstanding contribution to the development of CIGRE through administrative or technical achievements

CIGRE Medal 2026



In recognition of his outstanding contribution to the activities of the Association, as Chairman of the French National Committee from 2010 to 2020, as Vice-President Finance and Treasurer of the Association from 2016 to 2020, and as President of CIGRE from 2020 to 2024.

Michel AUGONNET
(France)

CIGRE Medal 2026



In recognition of his outstanding contribution to the activities of the Association in Study Committee C6 (Active distribution systems and distributed energy resources) as Convener of several Working Group, as Chair of this Study Committee from 2008 to 2014, as a member of the Editorial Board of ELECTRA, as a members of CIGRE Science and Engineering Advisory Board, and as Chair of the Greek National Committee.

Nikos HATZIARGYRIOU
(Greece)



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**Enjoy the Session
and have a wonderful week!**

