



SEERC

Questionnaire Results

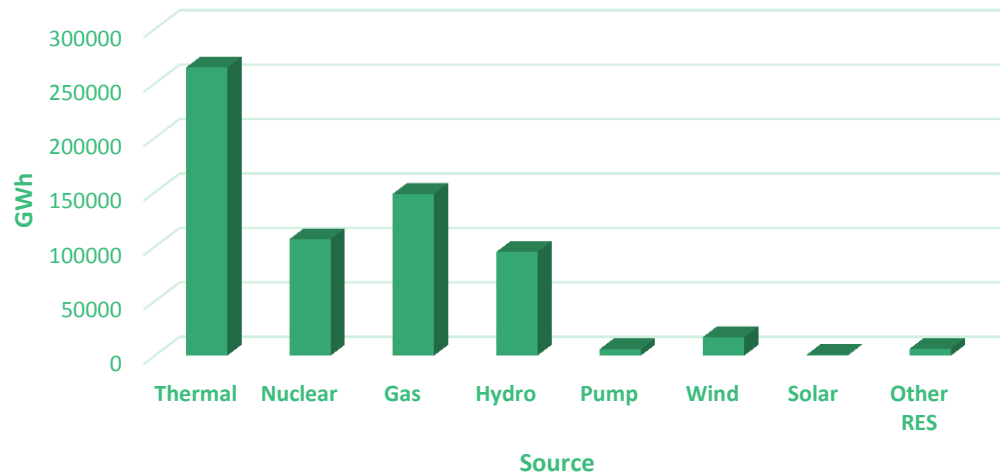
Outline

- Energy Situation in SEERC Member Countries
- Regional Academic and Industry Outlook
- Technical Fields of Interest for Regional CIGRE Cooperation
- Interests in Leadership of topics
- Management and Conference Organization Survey

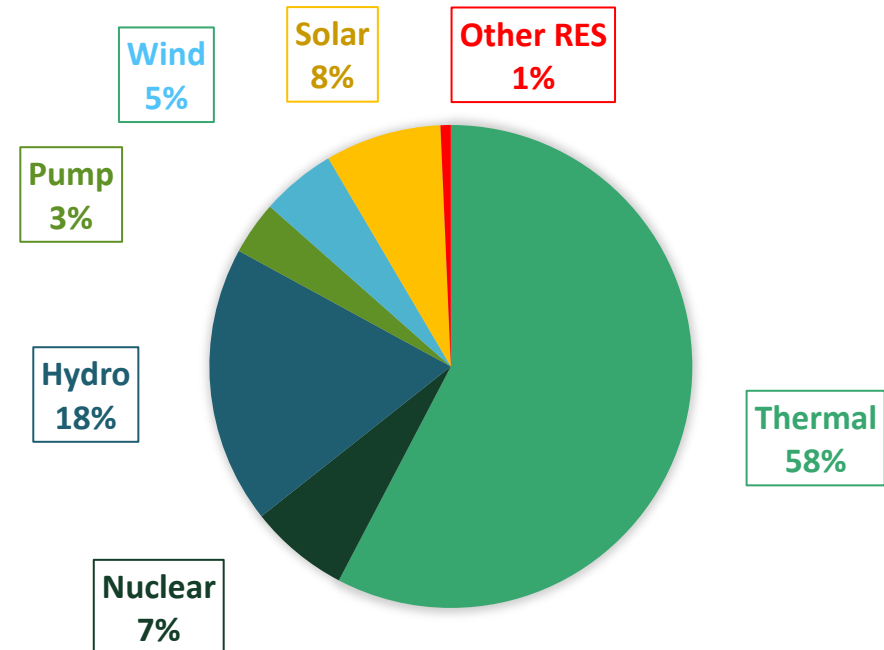
Energy Outlook

Reference year 2012

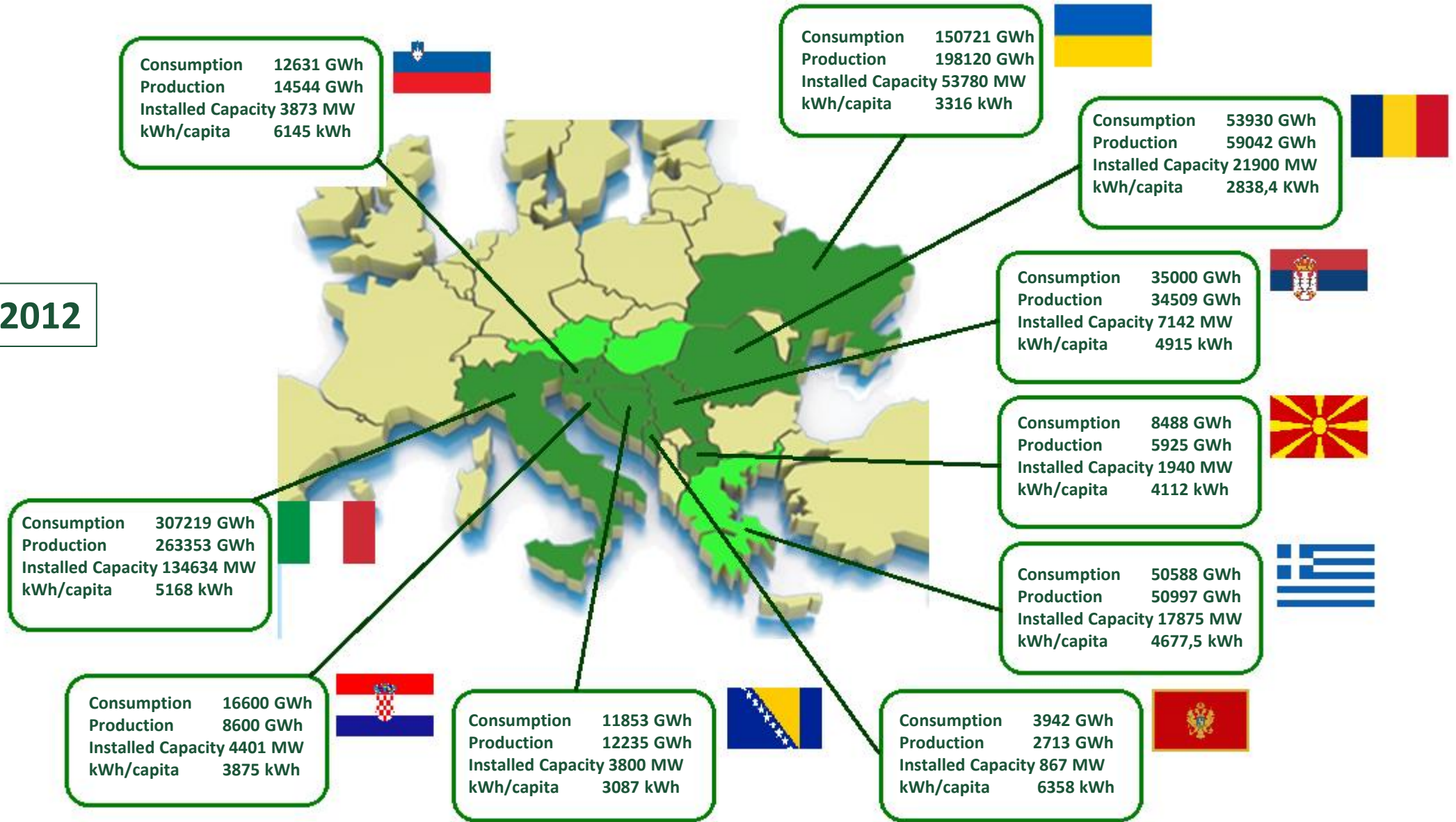
Total Generated Energy in SEERC Member Countries [GWh]



Installed Capacity in SEERC Member Countries [MW]

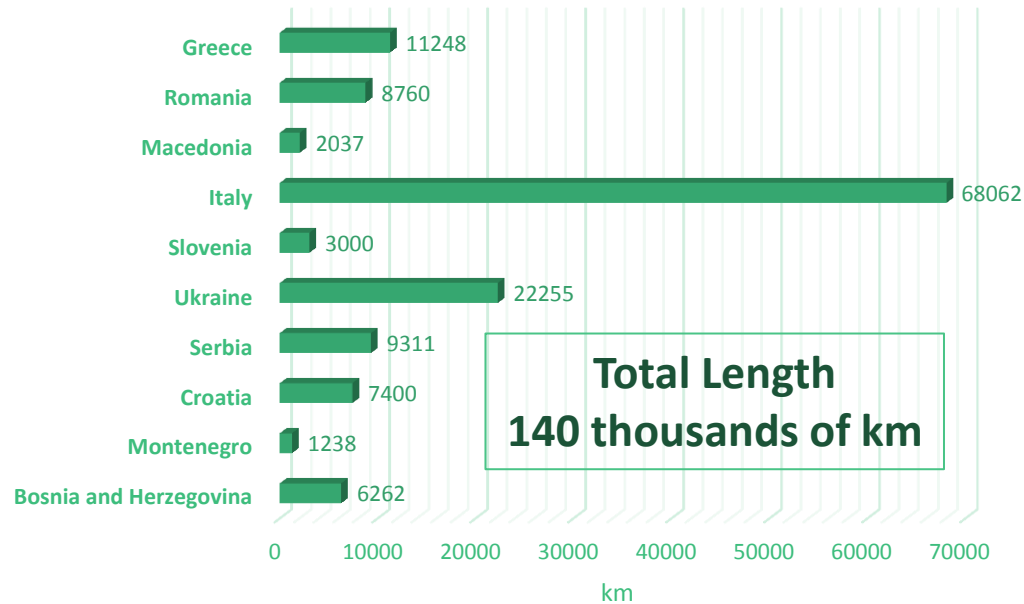


As in 2012

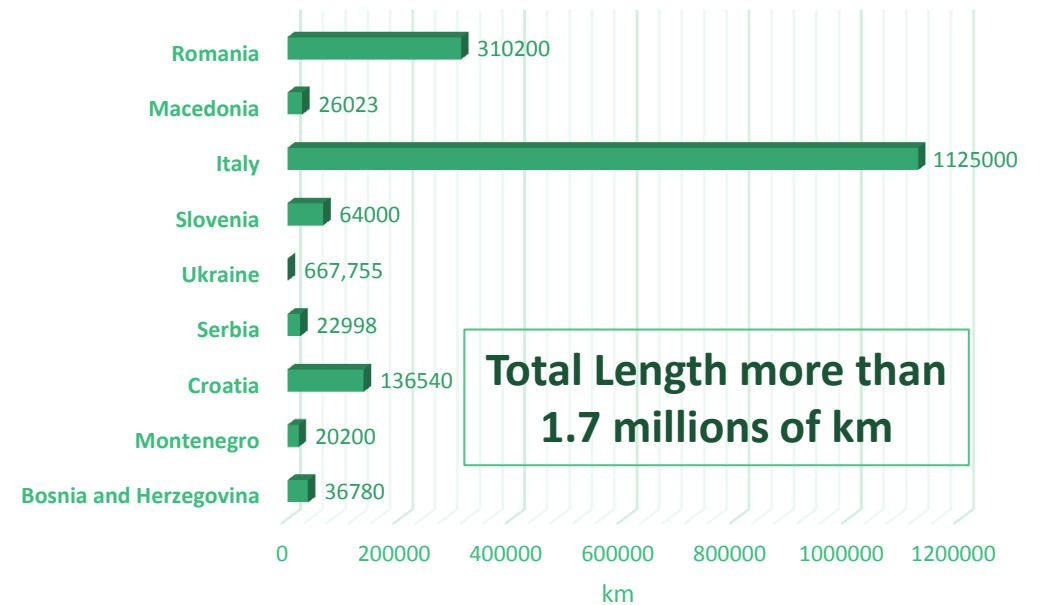


Transmission and Distribution Line Length Outlook

Transmission Line Length [km]



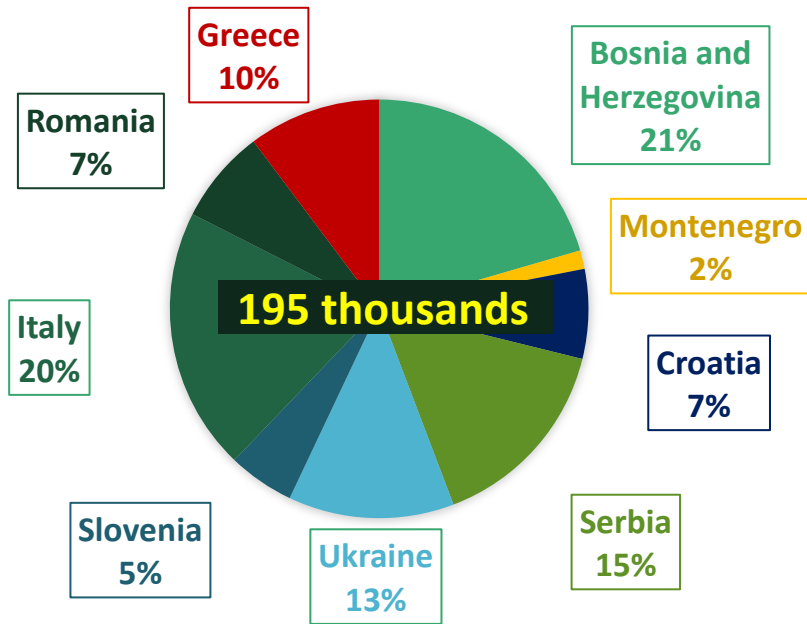
Distribution Line Length [km]



Reference year 2012

Regional Electric Industry and Academy

AVERAGE NUMBER OF EMPLOYEES IN ELICTRICITY SUPPLY INDUSTRY



NUMBER OF UNIVERSITIES TEACHING POWER SYSTEMS

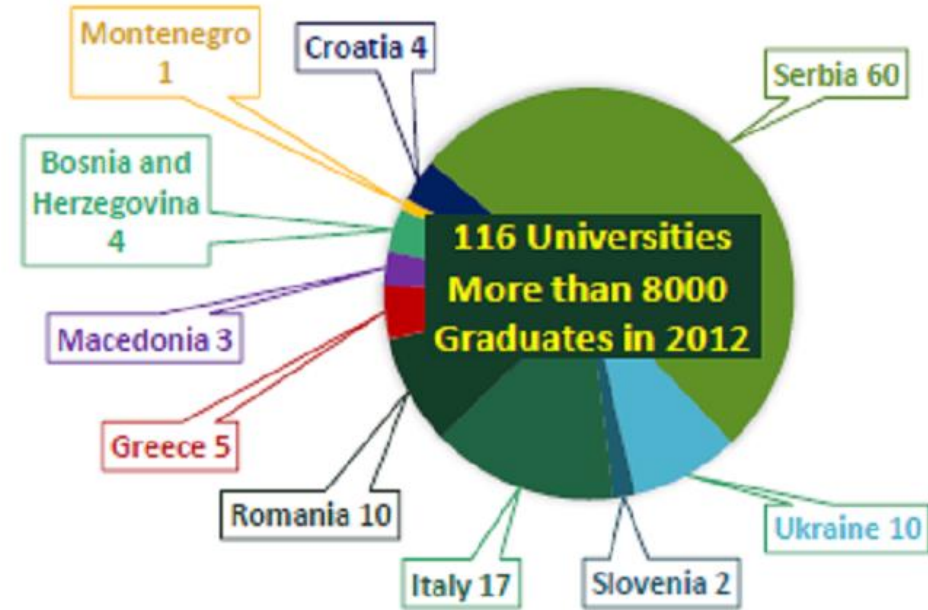
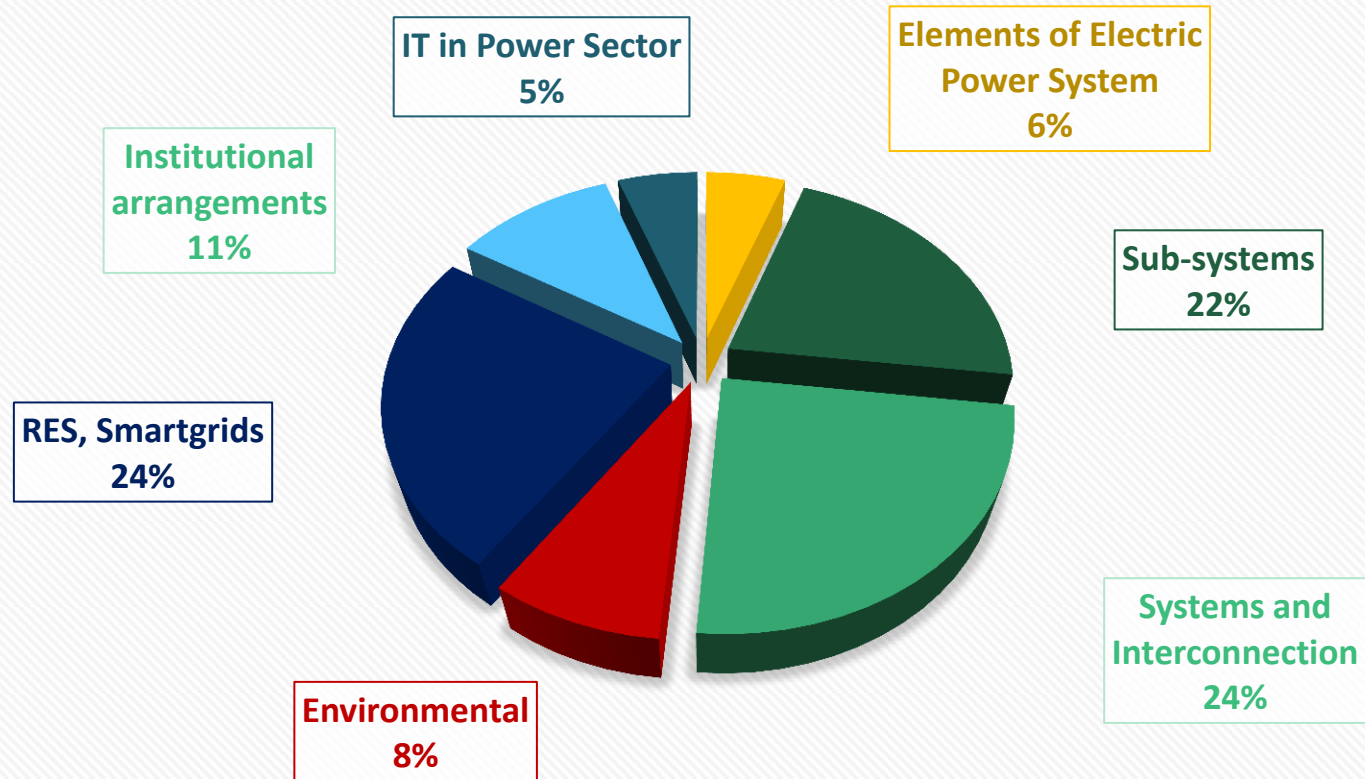


Figure 2.18. Number of universities teaching power systems in CIGRE - SEERC member countries in 2012.

As in 2012

Technical Fields of Interests for Regional CIGRE Cooperation

Preferences



Technical Subjects of Interest for WG

Fields of Interest

Power Systems Development, Innovation and Standards

Renewable Energy Sources and Energy Accumulation

Market Design and Operation

Technical Subjects of Interest for WG

Power Systems Development, Innovations and Standards

- Large Transmission regional projects and Construction of Strategic OHLs.
- OHL European Standardization – NNA (National Normative Aspect) support.
- Power Quality standards in SEE.
- Protection of Cross-border OHLs.
- Smart grid in transmission and/or Distribution: Development and ICT.
- HVDC transmission – Environmental issues with submarine cables.
- HVDC submarine interconnection – Integration with mainland power system.
- Regional Center WAMS.

Technical Subjects of Interest for WG

Power Systems Development, Innovations and Standards

- Future of thermal power plants .
- Entso-E policy impact.
- Harmonization of environmental issues.
- Aerospace assets and maintenance and recovery of regional high voltage electricity transport systems.
- Reactors for HV transmission networks. (continuation of SEERC RWG 2, 2014)
- Environmental and technical assessment for submarine cables siting issues. (continuation of SEERC RWG 1, 2014)

Technical Subjects of Interest for WG

Renewable Energy Sources and Energy Accumulation

- Renewable Energy Sources as Mini Hydro, Micro Hydro, Solar PV, Solar Thermal, Biomass, Wind Power.
- RES Integration, Support Mechanism and Operational Aspects.
- Power Energy Accumulation (Pump Storage) and Energy Storage.
- Reactive power planning considering large penetration of Renewables.
- Influence of large installation of RES (and Hydro Pump Storage) on power system
- Environmental issues with Hydro pump storage.

Technical Subjects of Interest for WG

Market Design and Operations

- Market Design & Experiences with Renewable Integration.
- Cross-border capacity allocation in SEE and harmonization of congestion management methods.
- Development of SEE electricity exchange – possibilities for cooperation, gap analyses and harmonization.
- Regional Market Issues.

Preferred CIGRE's SC – leadership interest

	Study Committees CIGRE	RO	BA	ME	HR	RS	UA	SI	IT	MK
A1	Rotating Electrical Machines				✓		✓			
A2	Transformers				✓					
A3	High Voltage Equipment				✓					
B1	Insulated Cables				✓				✓	
B2	Overhead Lines				✓		✓		✓	
B3	Substations									
B4	HVDC and Power Electronics							✓		
B5	Protection and Automation				✓		✓	✓		
C1	System Development and Economics							✓		
C2	System Operation and Control			✓			✓			✓
C3	System Environmental Performance								✓	
C4	System Technical Performance			✓						
C5	Electricity Markets and Regulation							✓	✓	✓
C6	Distribution Systems and Dispersed Generation							✓		
D1	Materials and Emerging Test Techniques									
D2	Information Systems and Telecommunication									✓

Preferred Task for future SEERC WGs

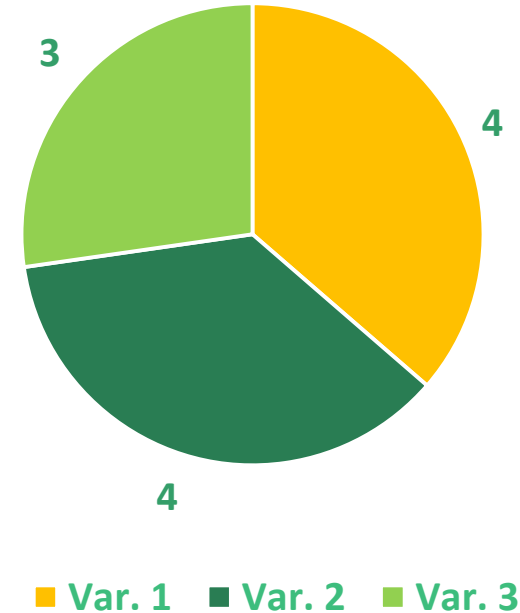
- Regional cooperation in certain standards up-rating
- Regional initiatives for innovation in power sector

SEERC Management Survey

Managerial Bodies

Variant 1		
MB	Management Board (MB)	Chairmen of NC CIGRE. One meeting per year.
AHAG	Ad Hoc Advisory Groups	For strategy plans. Free selection.
ATG	Advisory Technical Committee (ATC)	Experts from ESI, Academia and Manufacturers. Selection free.
WG	Working Groups	selected from ATG for particular technical task.
	Conference	announced by MB
Variant 2		
AC	Administrative Council	Same as CIGRE Paris. One meeting per year.
AHAG	Ad Hoc Advisory Groups	For strategy plans. Free selection.
WG	Working Groups	Selected from AHAG for particular technical task.
	Conference	announced by AC
Variant 3		
AC	Administrative Council	Same as CIGRE Paris. One meeting per year.

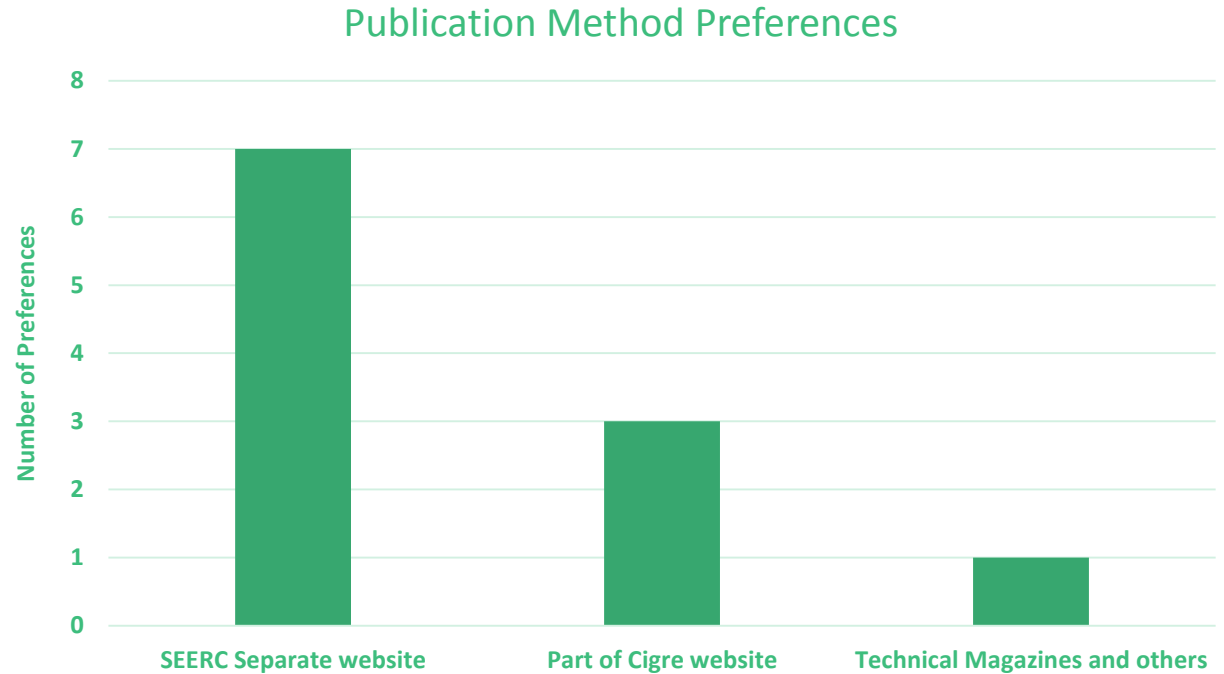
Preferences for Managerial Bodies



SEERC Management Survey

Publication Methods

The most preferred publication method is **SEERC's own website**.



SEERC Management Survey

Regional Conferences

Financing

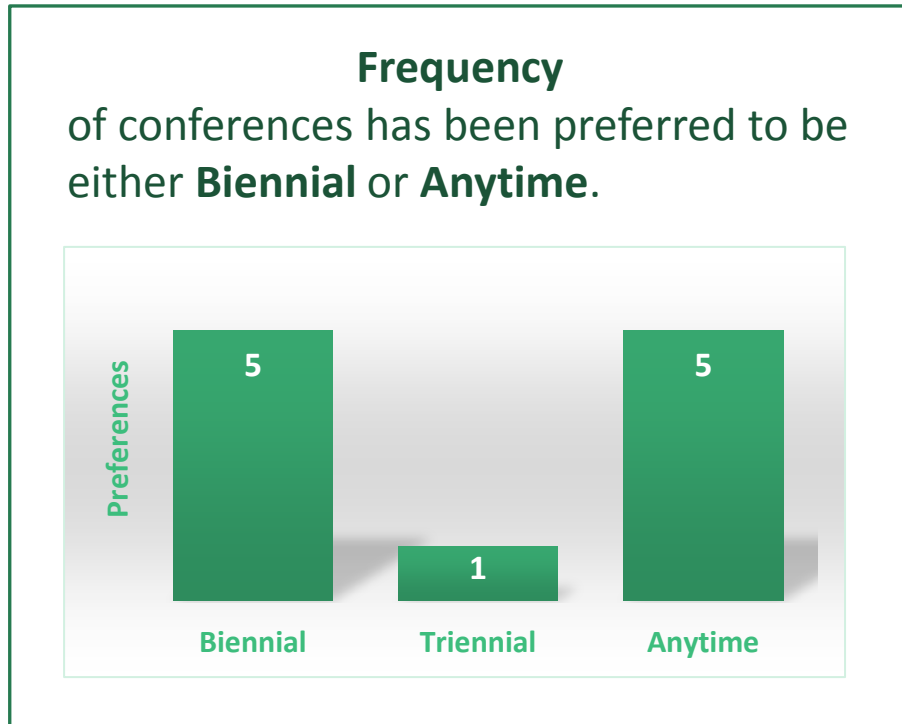
has been preferred to be undertaken by the **National Committee** organizing the event.

Contents

of conferences has been preferred to consist in **selected topics at regional level**. This will be task of ATC.

SEERC Management Survey

Conferences



Additional Proposals

- Institution of an **International Advisory Group** responsible for conference's organization.
- Carrying out Joint **student's** and **young engineer's** conferences.
- SEERC information exchange should be published on a separate platform while reporting the main information on the main CIGRE website.
- The most valuable scientific contributions should be published in magazine/journals ranked in scopus and xplora digital libraries.
- Any other idea?

**Thanks for your
attention!**
