

Minutes of Meeting: CIGRE Young Members Chairperson Meeting on 30-05-2013

Chair/ Keeper of the Minutes:	Published on
Andre Gofman (RNC CIGRE Youth Section Russia) avh77@bk.ru +7 499 788 19 79	2 June 2013

Participants
Gofman, Andre V. (RUS) Kalashnikov, Fedor (RUS) Kubis, Andreas (GER)
Agenda
1. Introduction Round and Updates 1.1. RNC CIGRE Youth Section Russia 1.2. Young Energy Net 2. Next meeting

Attachments
Presentation Slides 1. RNC CIGRE Youth Section Russia 2. Young EnergyNet



## **1. Introduction Round and Updates**

### **1.1. RNC CIGRE Youth Section Russia**

See attachment

Andre Gofman points out that all such activities realized by Youth Section of RNC CIGRE became possible due to support of Russian electric energy companies and the Ministry of Energy of Russian Federation

### **1.2. Young Energy Net**

See attachment

Andreas Kubis mentioned that one of the most important strategic aims of Young Energy Net is to involve more young engineers and professionals from the industry sector to Young Energy Net's activities.

## **2. Next Meeting**

The next meeting will be chaired by Young Energy Net (Germany) in August.



# Youth Section

## Activity in 2012-2013



- 1. Objectives**
- 2. Organizational committee of Youth Section**
- 3. Events of 2012/2013 academic year**
- 4. Activity plan till 2016**
- 5. Participation at the 45<sup>th</sup> CIGRE session**



**Government**

**Electric energy  
organization: System  
operator, network,  
generating  
companies, research  
institutes**

**Technical  
Universities**

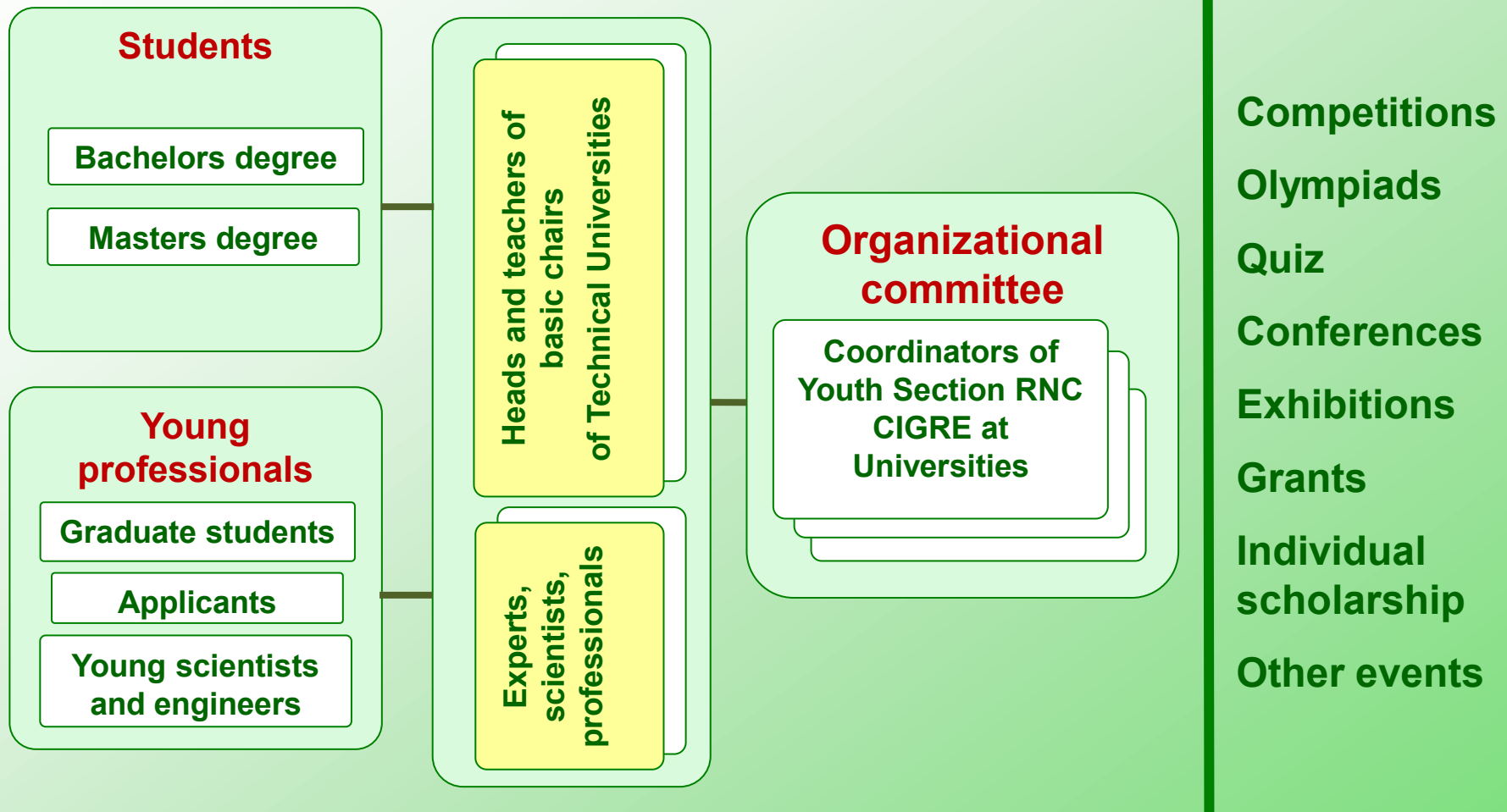
**Foundations, public  
organizations**

## Education and training of a new Russian Power generation



1. Involvement of Russian students to membership of the CIGRE through RNC CIGRE
2. Maintaining and development of competencies of electric power departments and chairs of Russian technical universities in the field of knowledge about foreign scientific and technical studies and their results. Improving on that basis the competitiveness of Russian technical universities among the world leading research and education centers
3. Development and stimulation graduate students, applicants, young scientists and professionals to the subjects of CIGRE scientific and technical researches
4. Identification, promotion and support of the youth educational activities and their achievements in scientific and technological development and creativity, to realize their innovative potential and to get the recognition in Russia



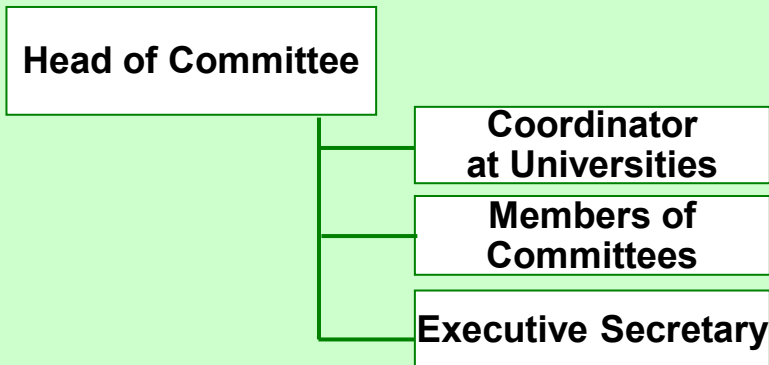


**The events of Youth Section RNC CIGRE held with the support of the joint stock company “System Operator of the Unified Energy System of Russia” and the Ministry of Energy of the Russian Federation**

## Objectives

1. **Organization/ preparation and realization of the Program**
2. **Providing of the procedures for admitting new members to RNC CIGRE**
3. **Promotion of CIGRE, RNC CIGRE and their activities**
4. **Attracting sponsorship and other support to the Program and its activities**
5. **Promotion of winners and active participants of the Program in future employment at Russian power organizations**

## Structure



- **Head and members of the Organizational Committee are appointed by the Executive Director**
- **Staff quantity is determined by the Executive Director**
- **Positions Head and Executive Secretary of the Organizational Committee are provided by the staff list of the Executive Office RNC CIGRE. The other members of the Organizational Committee are attracted through contract of paid services if the staff list does not include these positions**

Functions, rights, mode of operation and other issues of Organizational Committee are determined by the Regulations on Organizational Committee approved by the Bureau of RNC CIGRE



## III-d International Scientific and Technical Conference «Energy in the eyes of young people»

**Date: 22-26 October 2012**

**Location: Ural Federal University**

**Objectives of the conference – development of scientific and creative potential of young researches in the field of electric power**

**Goals of the conference – presentation and discussion of the latest scientific research results and practical advances in the electric power industry, the development of and strengthen scientific ties of young scientists and graduate students, undergraduates engaging in research activities**



## Competition of graduation papers

**Date: October – November 2012**

**Level of competitions: Russian Federation**

**Number of papers: 123**

**Model: competition of students graduation papers from leading Russian Technical Universities with the aim to identify the best papers and students. Final decision was made by the inter-universities competition commission**



**Dmitry Nikitin**

**Presented work to the competition:**

**Plasmodynamic synthesis and obtaining ultrafine silicon carbide**

**Supervisor Professor TPU**

**Alexander Sivkov**



## Competition of papers

**Date: October-December 2012**

**Number of papers: 341 papers**

**Location:**

**7 leading Technical Universities of Russia**

**(TPU, IGEU, SamGTU, KGEU, UrFU, MEI, URGTU)**

**Model: competition of papers on the subjects of  
CIGRE prepared by students under teachers  
supervision**



## Russian Federal Olympiad on Electricity

**Date: 8-9 November 2012**

**Location: Ivanovo State Power  
Engineering University**

**Number of participants: 70 students from  
leading Russian Technical  
Universities**

**Model:**

**Competition among students from  
leading Russian Technical  
Universities in solving of problems on  
electric power disciplines**



## Competition of translators of scientific and technical literature

### Stages of competition:

1. Translation of an article of a Research Committee of CIGRE
2. Presentation of the prepared translation in English
3. Classroom translation of an excerpt of article

### Location:

**SamGTU**

**Date: November-December 2012**

**Number of participants: 30 students**

**IGEU**

**Date: March 2013**

**Number of participants: 44 students**

**KGEU**

**Date: February-March 2013**

**Number of participants: 37 students**



## University camp

«The commercialization of scientific and technological ideas in the energy sector»

**Data: 30 November – 02 December 2012**

**Location: Ivanovo State Power Engineering University**

**Number of participants: 20 students, undergraduates, graduate students**



There were lectures and seminars as a part of the Camp. Reports on power energy and economy were presented to students

During the Camp the decision to establish annual event

**«Camp of Young Scientists»  
was made**

## Competition of reports on the subjects of CIGRE at the VIII-th International Youth Conference "Tinchurin **reading**"



### Data:

**27-29 March 2013**

### Location:

**Kazan State Power  
Engineering University**

**Number of reports: 47**

**Model: competition of reports made by students from Russian leading  
Technical Universities during conference**

## First Russian Federal Olympiad on electrical engineering

**Date: 17-18 April 2013**

**Location: Ivanovo State Power Engineering  
University**

**Number of participants: 70 students from  
leading Russian Technical Universities**

**Number of Universities: 10**

**(KGEU, NGTU, UrGU, NIU, IGEU, TPU, UrFU,  
SamGTU, DGAU, SPbGPU)**

**Model: competition among students from  
leading Russian Technical Universities in  
solving of problems on electric power  
disciplines**





Competition of reports on the subjects of CIGRE in the International Scientific Conference of students and young scientists «Energy-2013»

**Date: 24-25 April 2013**

**Location: Ivanovo State Power  
Engineering University**

**Number of reports: 120**

**Model: competition of reports made  
by students from Russian leading  
Technical Universities during  
conference**



## Russian Federal Olympiad on Electric Systems

**Date:** 25 April 2013

**Location:** Tomsk Polytechnic University

**Participants:** students of electricity and electrical specialties

**Model:**

Competition among students from leading Russian Technical Universities in solving of problems on electric systems



No	Event	Date	Location
<b>2013</b>			
1	Competition of translators of scientific and technical literature (English language)	April-Mai	UrFU, KGEU, IGEU
2	Quiz "Do you know the history of electricity?"	Mai	SamGTU, TPU
3	Interregional Educational Forum "Energy of youth"	August	TPU, UrFU, SamGTU, SKFU, URGTU
4	Competition of graduation papers on electricity and electrical engineering topics	September – October	SamGTU, TPU, UrFU, KGEU, IGEU, URGTU, SKFU, SPbGPU, MEI, NGTU, UUrGTU
5	Competition of cases on electricity solving	October	TPU
6	University Camp «The commercialization of scientific and technological ideas in the energy sector»	November	IGEU
7	Open Youth Scientific and Practical Conference "Scheduling in power: Problems and Prospects"	November	KGEU
8	Competition of papers on electricity and electrical engineering topics prepared by students of leading Russian Technical Universities	October – December	UUrGTU

No	Event	Date	Location
<b>2014-2016</b>			
9	Quiz "Do you know the history of electricity?"	January – February	2014 – SamGTU, TPU, KGEU, IGEU; 2015, 2016 – SamGTU, TPU, KGEU, IGEU UrFU
10	Competition of cases on electricity solving	February	2014 – SamGTU, TPU, UrFU; 2015 – SamGTU, TPU, UrFU, KGEU, IGEU, URGTU; 2016 – SamGTU, TPU, UrFU, KGEU, IGEU, URGTU, SKFU, SPbGPU, MEI, NGTU
11	Competition of translators of scientific and technical literature (English language)	February – March	2014 – SamGTU, UrFU, KGEU, IGEU; 2015, 2016 – SamGTU, UrFU, KGEU, IGEU, URGTU
12	Russian Federal Olympiad on theoretical and general electrical engineering	March	2014-2016: IGEU

No	Event	Date	Location
<b>2014-2016</b>			
13	Competition of reports on the subjects of CIGRE at the annual International Youth Conference "Tinchurin reading»	April	2014-2016: KGEU
14	Russian Federal Olympiad on electrical engineering	April	2014-2016: TPU
15	Competition of reports on the subjects of CIGRE in the International Scientific Conference of students and young scientists «Energy»	April	2014-2016: IGEU
16	Interregional Educational Forum "Energy of youth"	April	2014: TPU, UrFU, SamGTU, SKFU, URGTU; 2015 – TPU, UrFU, SamGTU, SKFU, URGTU, SPbGPU; 2016 – TPU, UrFU, SamGTU, SKFU, URGTU, SPbGPU, NGTU

No	Event	Date	Location
<b>2014-2016</b>			
17	The section "Technologies of personnel management and training issues for the power industry" at the annual youth international scientific conference «Energy in the eyes of young people»	September	2014 – TPU, 2015 – KGEU, 2016 – IGEU
18	Competition of graduation papers on electricity and electrical engineering topics	September – October	2014-2016: SamGTU, TPU, UrFU, KGEU, IGEU, URGU, SKFU, SPbGPU, MEI, NGTU, UUrGTU
19	University Camp «The commercialization of scientific and technological ideas in the energy sector»	November	2014-2016: IGEU
20	Open Youth Scientific and Practical Conference "Scheduling in power: Problems and Prospects"	November	2014-2016: KGEU

## Abbreviations

SamGTU	Samara State University Polytechnic University (Samara)
TPU	Tomsk Polytechnic University (Tomsk)
UrFU	Ural Federal University (Ekaterinburg)
KGEU	Kazan State Power Engineering University (Kazan)
IGEU	Ivanovo State Power Engineering University (Ivanovo)
UrGTU	South-Russian State Technical University (Novocherkassk)
SKFU	North Caucasus Federal University (Pyatigorsk)
NGTU	Novosibirsk State Technical University (Novosibirsk)
SPbGU	Saint-Petersburg State Polytechnic University (St. Petersburg)
MEI	Moscow Power Engineering Institute (Moscow)
UUrGU	South Ural State University (Chelyabinsk)

**Number of selected  
abstracts: 16**

**Number of authors: 69**



**Among the selected abstracts there are abstracts of winners of competitions of the Youth Section of RNC CIGRE:**

**Dmitry Nikitin will present the report:**

**Silicon carbide. Perspective semiconductor and its plasmodynamic synthesis**

**Sophia Kolibaba will make the report:**

**Methods of assessing the efficiency of assets of grid companies**





**Fedor Kalashnikov**

[kalashnikovfs@gmail.com](mailto:kalashnikovfs@gmail.com)

# Young Energy Net (YEN)

Andreas Kubis

Andreas.Kubis@tu-dortmund.de



# Formation



- Joint Venture of DK CIGRE and VDE Young Net
- CIGRE was nearly completely unknown to graduates and students - at this time
- officially launched in 09 / 2010 with 8 members



# Formation



- 35,000 member, within 1.300 companies, 8.000 students and 4.000 graduates
- More than 29 regional associations and 60 student branches with more than 1700 events per year
- Field trips, career events, social events, workshops, seminars, working groups, and many more

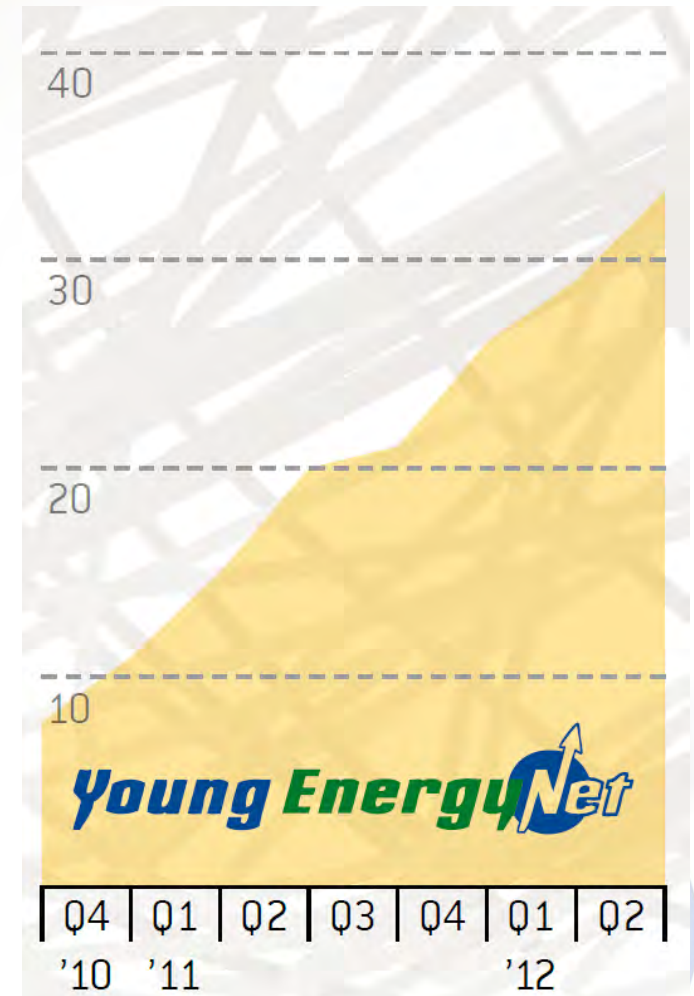
VDE YoungNet  
Hochschulgruppen vor Ort



# Memberships



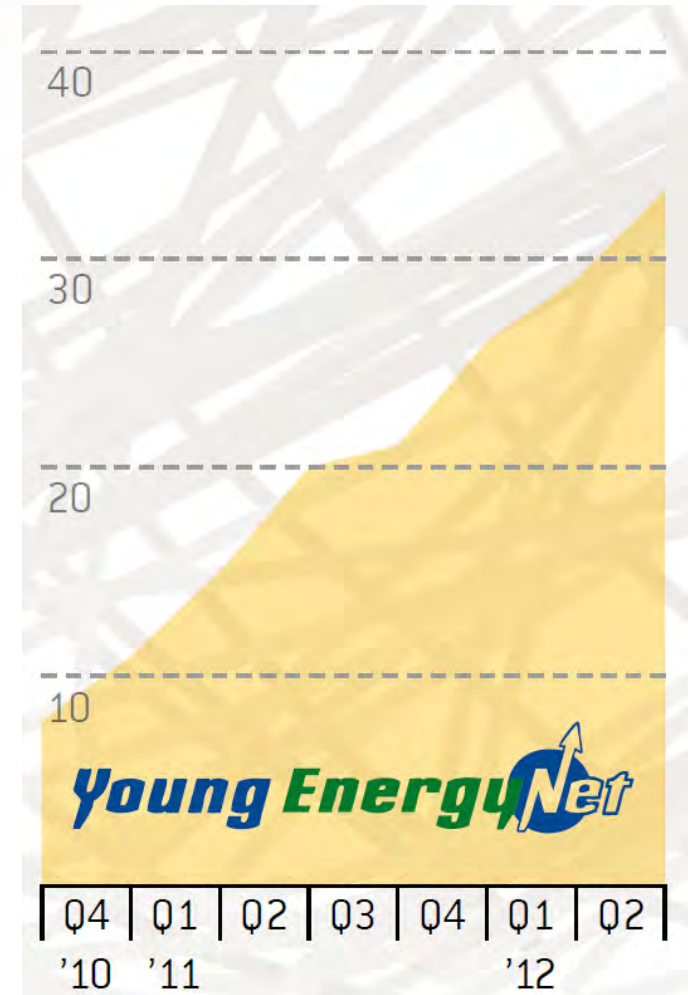
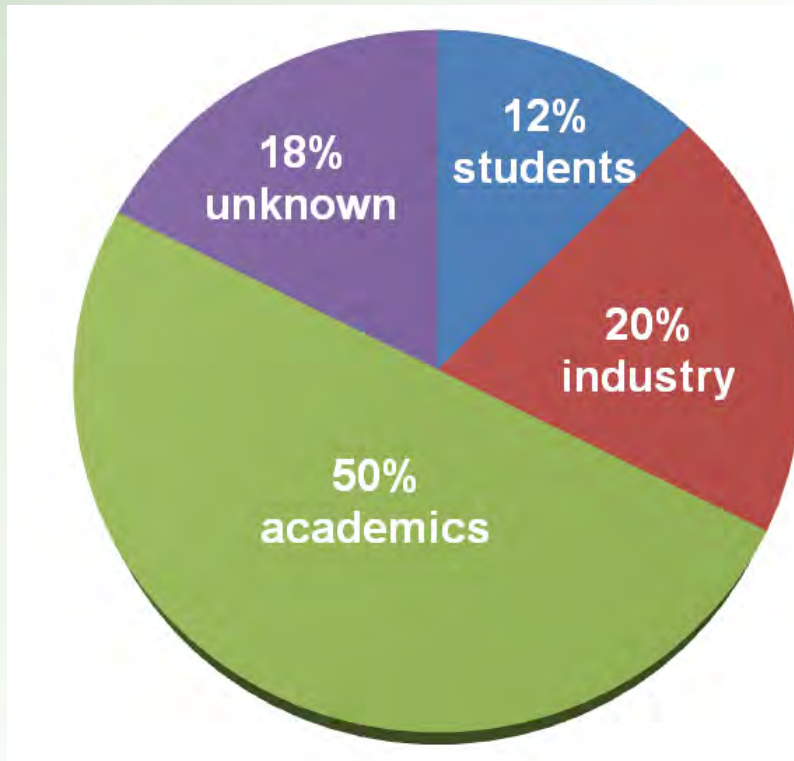
- >42 members (31.12.2012)
  - Constant growth



# Memberships



- Member background



# Benefits

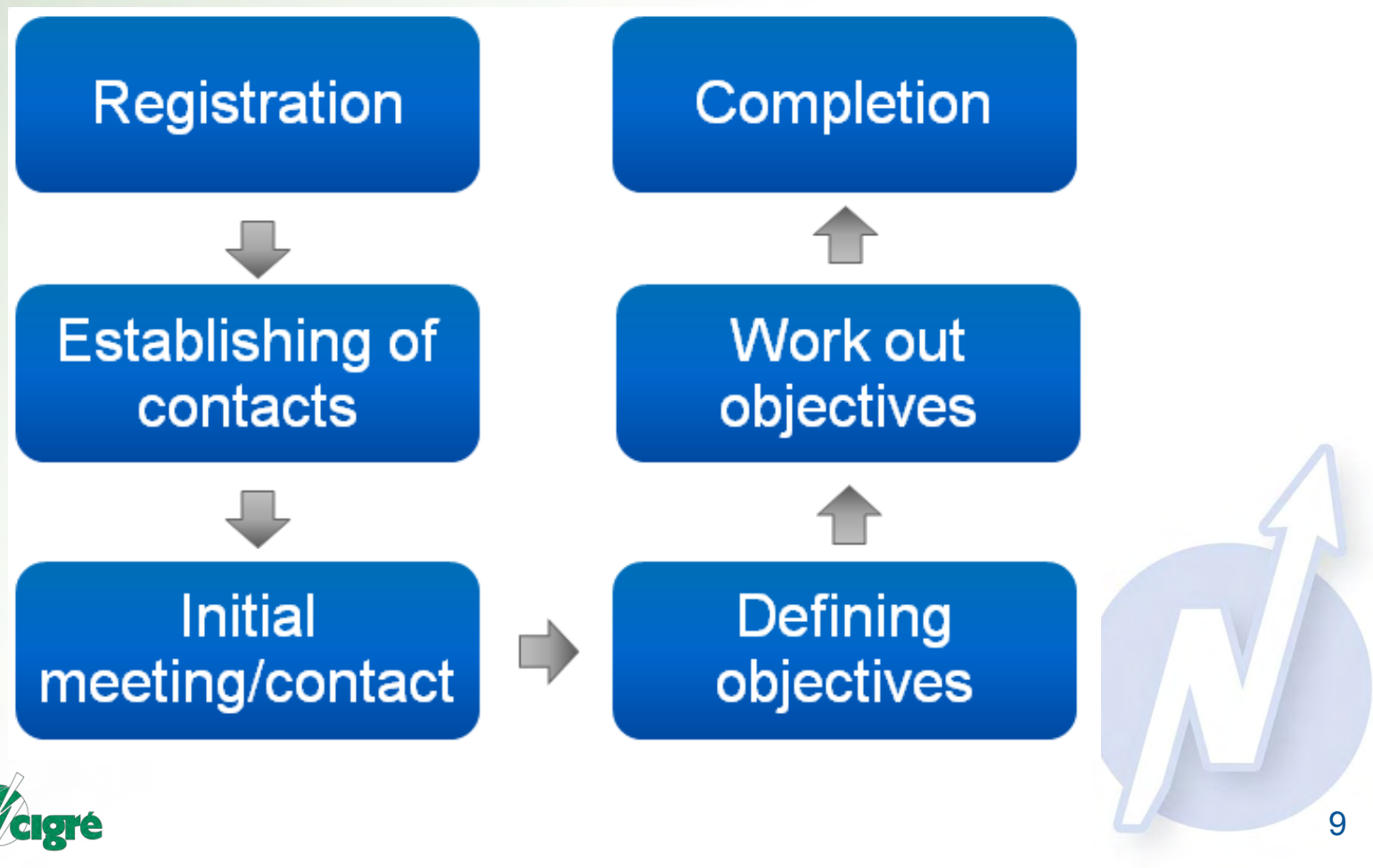


- Develop your career in an international environment!
- Full CIGRE and VDE membership
- Young EnergyNet Mentoring
- Excursions and Field Trips
- YEN Newsletter
- Webinars
- Career Development events
- Access to more than 60 local VDE groups
- Reduced conference fees for VDE/ETG conferences
- Other specials for CIGRE events



# Mentoring

- YEN Mentoring for students, recent graduates and PhD students





- Discussion/Finalization of YM Activities in August 2013
- Main Topic: Sharing Best-Practice on how to include YM in CIGRE
- Main Activities:
  - YM stand as meeting and discussion point for YM and interested seniors including poster and discussion sessions
  - YM Forum for the presentation of the CIGRE YM Best Practice Guide and open discussion about new or advanced ideas to include young engineers
  - Social and Technical Event as side event



- The German NC elected Dr. Klaus Kleinekorte as new president
- The NC adjusted its statutes
  - More participation of universities and young members
  - One representative of Young EnergyNet gets a full membership



# Contact



- Visit us on: [www.vde.com/yen](http://www.vde.com/yen)
- E-Mail: [yen@teamic.de](mailto:yen@teamic.de)

