

# *Welcome*

## *Grid aesthetics seminar*

### *in Milan*

May 19, 2015

Romano Ambrogi  
Planning & Development



# RSE History and Mission



- Established at the end of 2005 as a separate company, currently owned by GSE (Gestore Servizi Energetici)
- From ENEL R&D Division, through CESI (strong liaison with Enel, Terna, electric power utilities), today RSE (Ricerca sul Sistema Energetico)
- The mission is to take over national and international funded research programs and contracts on electricity and energy sectors
- The electricity network is crucial in RSE mission, smart grids have been studied since the very beginning and we are still at the forefront of international research, development and demonstration.

<http://www.rse-web.it/storia.page>

# RSE Research focus



- RSE develops research activities of public interest in the electroenergetic sector, with emphasis on experimental pilot applications
- Comprehensive and system-based approach with valorisation of multi-disciplinary competences
- Oriented to benefit national electrical system users and industrial operators
- Wide-spread dissemination of public domain research results and technology transfer

# Smart Grids

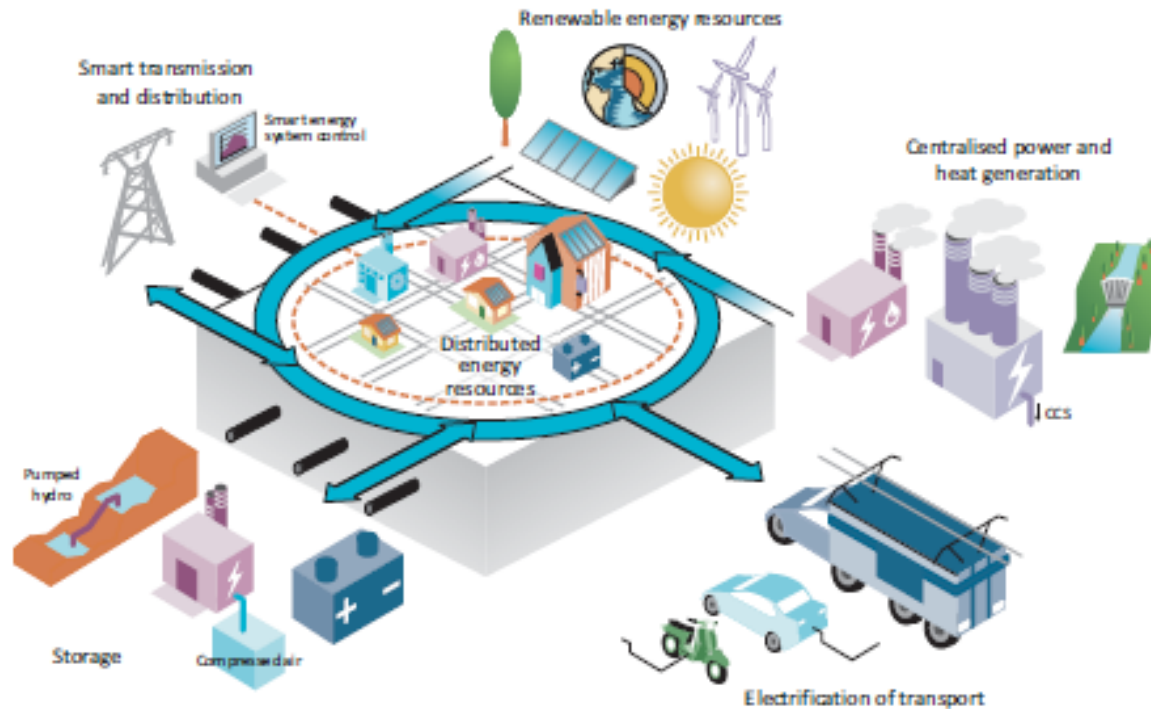


Figure 3. A sustainable electrical system is a smarter, multidirectional, and integrated energy system that requires long-term planning for service delivery.

# RSE in International programmes

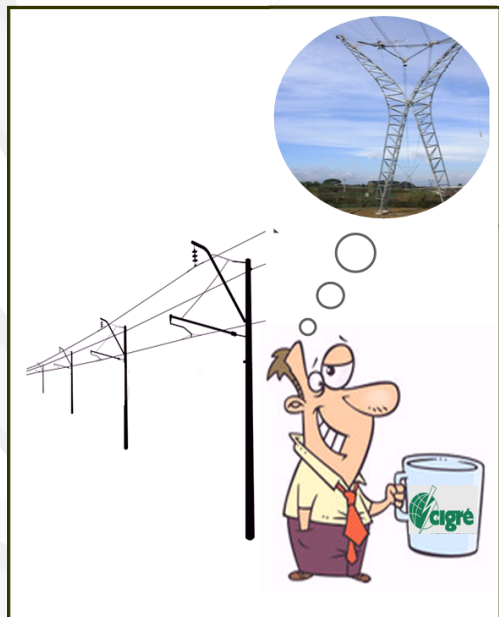


- Italian representative in European Industrial Initiatives on *Electricity Grids* (EEGI)
- Coordinator of the European Energy Research Alliance (EERA) Joint Programme on *Smart Grids*
- Chairma of ISGAN (International Smart Grid Action Network)

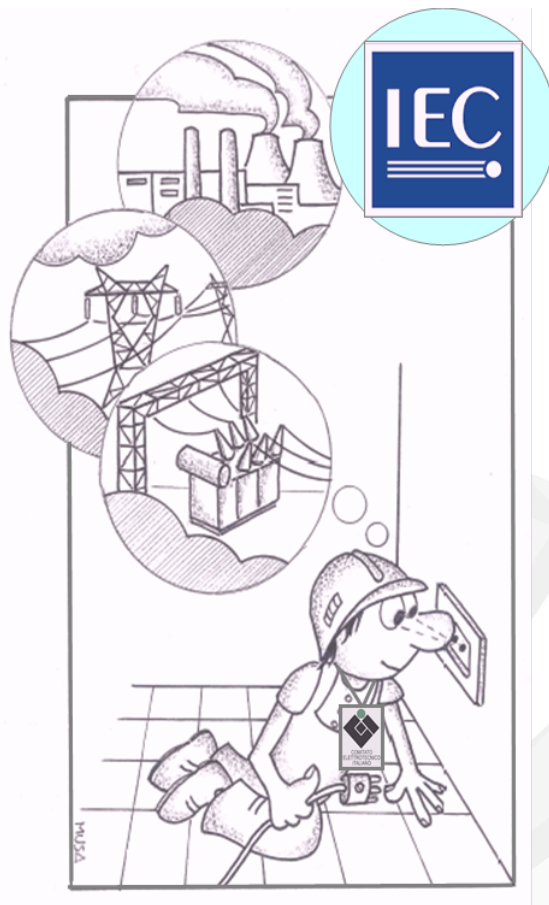


21 September – 2 October – Stresa

26 – 28 August – Stresa

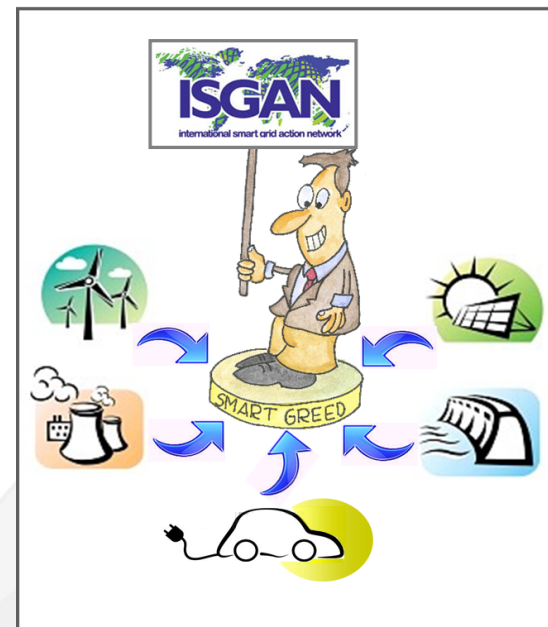


**CIGRE Workshop**  
**'Innovative Electrical Networks for a Sustainable Development in Low Carbon Scenarios'**



**International Electrotechnical Commission - IEC**  
**TC 77 Electromagnetic Compatibility**  
**– TC 8 Smart Grids**

15 – 18 September - Lecco



**ISGAN International Smart Grid Action Network**  
**Executive Committee Meeting**