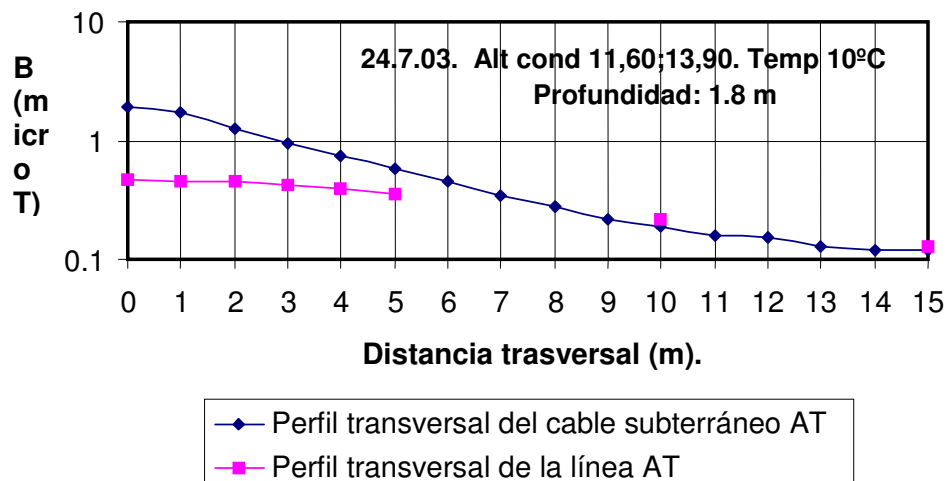




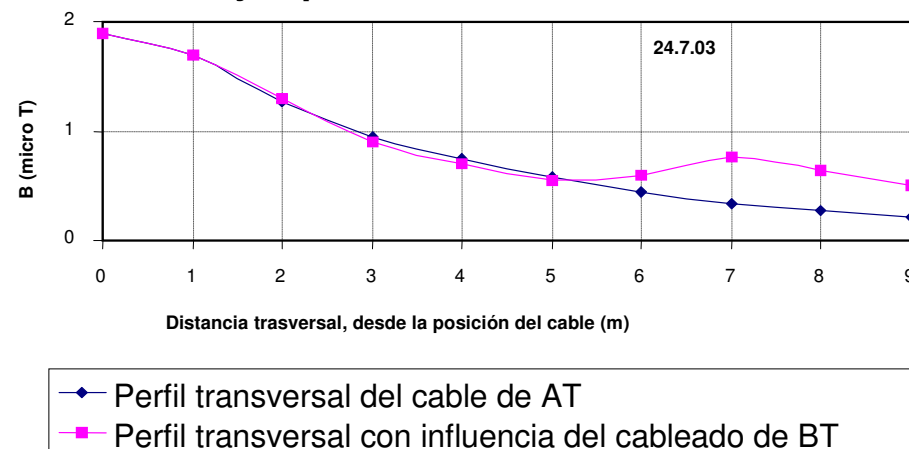
Control- B measures

Comparación del campo magnético de cables subterráneos y líneas aéreas en 132 kV.



Campo magnético de los cables subterráneos

Ejemplo del efecto de otras fuentes.



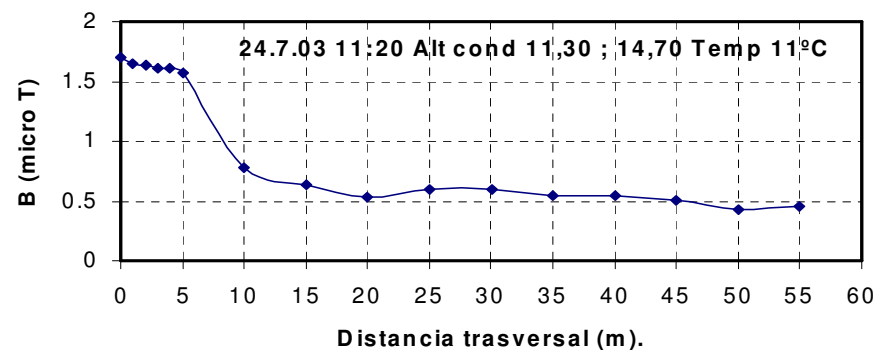


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Control- B measures



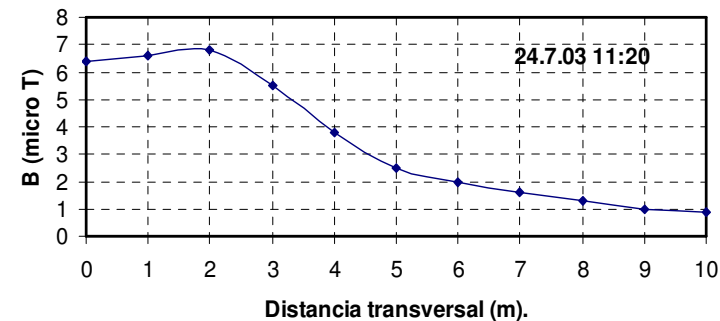
Campo magnético de las líneas



—●— Perfil transversal a la línea, por la vereda de los pares de Cuenca



Campo magnético de los cables subterráneos de MT



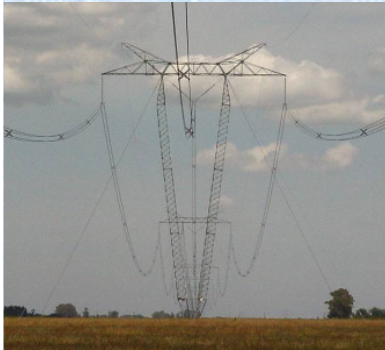
—●— Perfil transversal a la calle, desde la línea de edificación impares



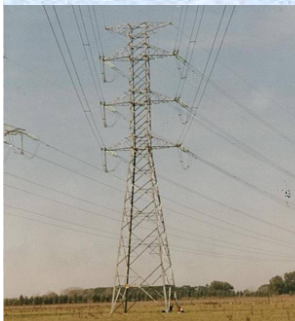
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Control- B measures

550 kV – 220 kV



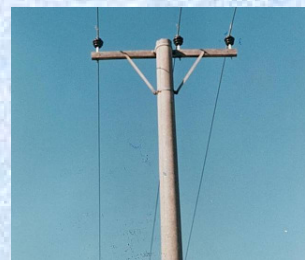
132kV



Cables



13.2 kV to 66 kV





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Control- B measures

SE1: Substation HV/HV

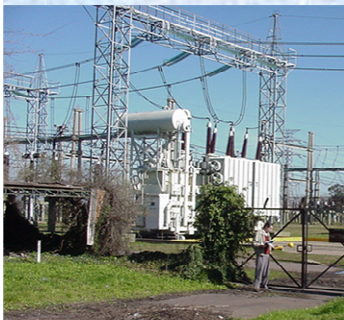


CT1: aerial MV/LV



SE2: Substation HV/MV

SE21



SE22



SE23



CT2: level MV/LV



CT3: underground MV/LV

CT31



CT32



SE3: Substation MV/MV





Control- B measures

- great quantity of information collected
- it is necessary a tool that allows easy access to information
- need a structure and organization
- would enable to make comparisons or specific analysis of the existing records.

ENRE decided build a database (2007)



ENRE - Database

At this moment, the database has been loaded with 1102 registries, 537 of E and 565 of B.

- ✓ 209 Substations,**
- ✓ 699 Power Lines,**
- ✓ 150 Distribution Centers**
- ✓ 44 Underground Cables.**



ENRE Control Results

- ✓ **High level of compliance of Environmental Management System**
- ✓ **No penalties have been applied to limits violation.**
- ✓ **Environmental guidelines have been complied to get the Convenience and Public Need Certificate for creation and expansion of electric constructions**
- ✓ **ENRE has a tool for management for the evaluation of evolution and control of EMF-ELF.**



Normative Argentina

- ✓ **There is an institutional and normative frame to control environmental aspects.**
- ✓ **Environmental issues have been established into the agents.**
- ✓ **The actual normative is fulfilled without problems.**
- ✓ **The population is worried and is willing to be part of the decision-making.**
- ✓ **The Public Audience sees into this matter though it is not enough.**
- ✓ **It is important to find an efficient system of public information and communication.**
- ✓ **Health area should satisfy the population expectations.**



Recommendation

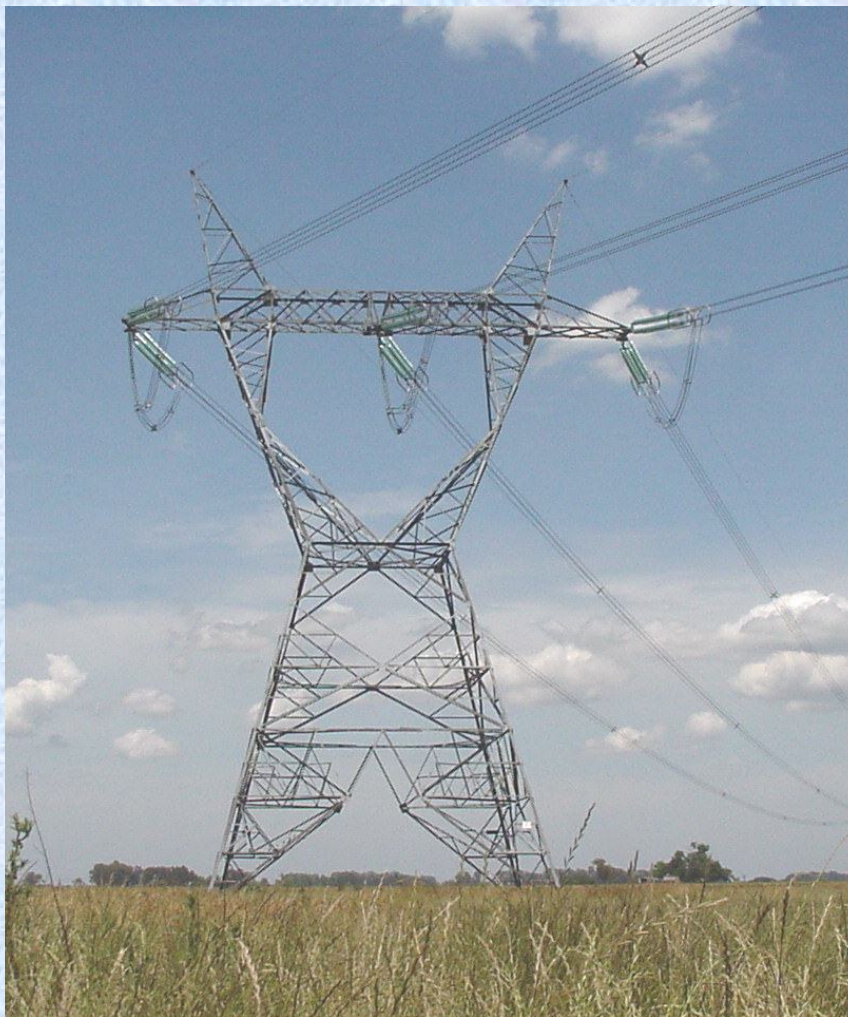
- ✓ **It is crucial to have a common language and knowledge.**
- ✓ **Provide the public with complete and accurate information.**
- ✓ **Harmonize the standards**

COMMUNICATION



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.....about risk perception.....





UNIVERSIDAD NACIONAL DE LA PLATA

FACULTAD DE INGENIERIA



THANKS A LOT
OBRIGADA
MUCHAS GRACIAS

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