

# 3<sup>rd</sup> Danube Financing Dialogue



Romanian National Committee of the World Energy Council Romanian Committee is an NGO member of WEC with 150 member Companies and about 700 individual members.



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## Smart grids and renewable perspective

### Company/Institution RO

National Committee of World Energy Committee

### Project description

The set up of a project from a smart grid perspective is one of the region's most interesting projects with stakeholders from Romania and Hungary and possibly from Ukraine. From Romania, Hidroelectrica, Nuclearelectrica and Transelectrica and some other private companies will be stakeholders in the Project Company. It is the most important energy project that could be built in the next 25-30 years. It could contribute to the regional energy market development and supply stability and security. Other interested stakeholders are "National Grid", Nuclear Companies, Hydroelectric power producers and local administrations from Romania and official authorities from Ukraine and Hungary for the impact on the Tisza river basin.

### Project goal

A common discussion with different stakeholders about the opportunities of the project is needed, because the project will have a great economic impact for the development of economy and stability in the region. At the same time the project will have a great impact in social activities to create jobs and to improve facilities of water protection against floods, etc. From an environmental point of view, the project will improve the environment of the complex of the Somes-Tisza and Danube basin.

### Beneficiaries and target groups

It is the most complex project of the region that could be realised in the next 25-30 years. Romania already decided to realise a first stage of this project with Tarnita 1000 Mw pumping power plant. The following stages are not yet decided but there are some separate studies on the way. In principle there will be a second stage with about 5-8 other pumping stations with a maximum nominal power of 450-500 Mw and a power plant with about 1400 Mw. At the end the whole energy complex will work like a Virtual Power Plant in generation or pumping regime coordinated with the load curve.

### Constraints and risk appraisal

The Project has to be carried out through common cooperation because it is part of the Danube Region - with a possible involvement of Ukraine and Hungary in the most important basin of Tisza-Somes.

### Type of financial product searching for

- Grant (only for research and studies)
- Project Company loan

### Sectors

- Transport
- Energy
- Culture and tourism
- Environment protection against floods
- Innovative technologies, agriculture and rural areas
- Urban technologies and green business
- Research, education and information and labour market

### Countries engaged in the project

- Hungary
- Ukraine
- Romania