

INPRO Dialogue Forum on Global Nuclear Energy Sustainability:
**Long-term Prospects for Nuclear Energy in the
Post-Fukushima Era**

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Uruguayan NEPIO Strategy

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Country name:

República Oriental del Uruguay

Land area:

176,215 km²

Population:

3.3 million inhabitants

Annual growth rate:

0.3 %

Density:

18.8 inhabitants/km²

Life expectancy:

76 years

Infant mortality rate:

9.5/1000 (22.8 in Latin Am)

Electrification

98,7 %

Peak power demand (2010)

1,698 MW



1a. National vision and strategy for Nuclear Power in the 21st century in **URUGUAY**



- NATIONAL ENERGY POLICY 2030
- Approved by the Council of Ministers (2008)
- Ratified by a Special Committee with all Political Parties (2010)
- Short, medium and long term goals
- More than 30 working areas
 - Short-term goal (2015): Non-conventional renewable energy > 15% electric mix
 - Long-term options (2030): power plant considering nuclear

1b. National vision and strategy for Nuclear Power in the 21st century in **URUGUAY**



- **Nuclear power programme**

- The President met the opposition leaders

They decided to launch Phase 1

- **Decree:**

Creates a NEPIO, including experts from many Ministries and all political parties in Parliament.

It is chaired by the Secretary of Energy and reports to the President

- **Decree's mandate:**

“To deliver all the elements for the country to make a technically, economically, environmentally, politically and socially sustainable decision, following IAEA's recommendations”

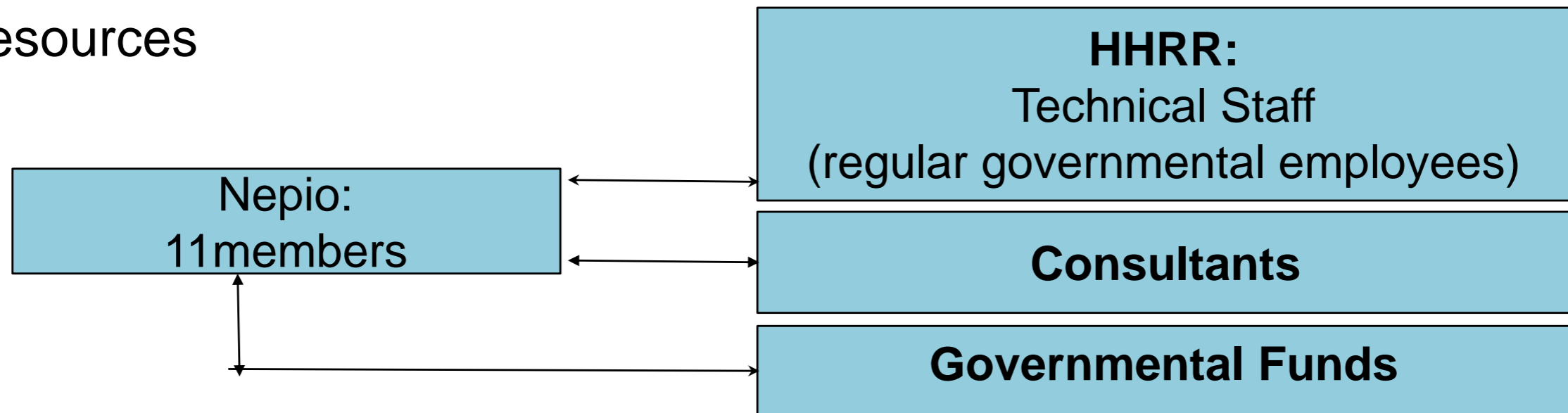
- **Committee's mandate, in other words:**

“Is it interesting to consider a NPP as a possible long term option for the Uruguayan electric mix?”

Uruguay: Management of Preparatory Activities



Resources



- The NEPIO follows IAEA's Milestones document, properly adapted to the local context (culture)
- We are not “developing infrastructure” but just noticing what should need to be done in case a Nuclear Programme were to be launched
- We are studying deeply the nuclear power option, particularly analysing the most critical aspects to reach a sustainable decision
- We have two consulting contracts:
 - With 'Burns & Roe' about 'Actual state of technology'. (Now in 'final draft')
 - With 'Andra' about 'Waste management'. (Just beginning)



2. Main lessons learned after Fukushima in **URUGUAY**



- Decisions are more complex and need more carefully study
- Fase 1 will be longer
- NEPIO continue working.

3. **URUGUAY** expectations for global Nuclear Power development in the 21st century



- We expect to do a good job, face to new generation necessities
- We expect to continue having a National Energy Policy
- We expect to continue having the IAEA Technical Assistance
- We expect all countries take a policy in order to assure the global sustainability possibilities
- We expect that science improve actual relation 'people-world'
- We expect that decisions about NPP may be 'national decisions' with political and social support
- **THANK YOU!**