



A Case Study of International River Development

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Li Yinsheng was born in Heilongjiang China.

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He holds a B.Sc. and an M. Eng. from Tsinghua University and EMBA from OneMBA.



He is well travelled, for business and leisure, and authored a book *Transnational Business: Through the Lens of Capital, Culture and Sustainability*.



Highlights of Itaipu Hydroelectric Project:

- ✓ Wonder of the Modern World, in 1994, by American Society of Civil Engineers
- ✓ Driver of economic development, supply 90% of electricity consumed in Paraguay and 15% of that in Brazil.
- ✓ Strong governance and political efforts, setting a great model for international water co-development, especially between countries of different size and agenda.
- ✓ Innovative model of infrastructure development, Itaipu Binacional is not a commercial entity for profit.
- ✓ Best practices in social and environmental sustainability, especially, it's 10km long fish ladder earns Itaipu great reputation.



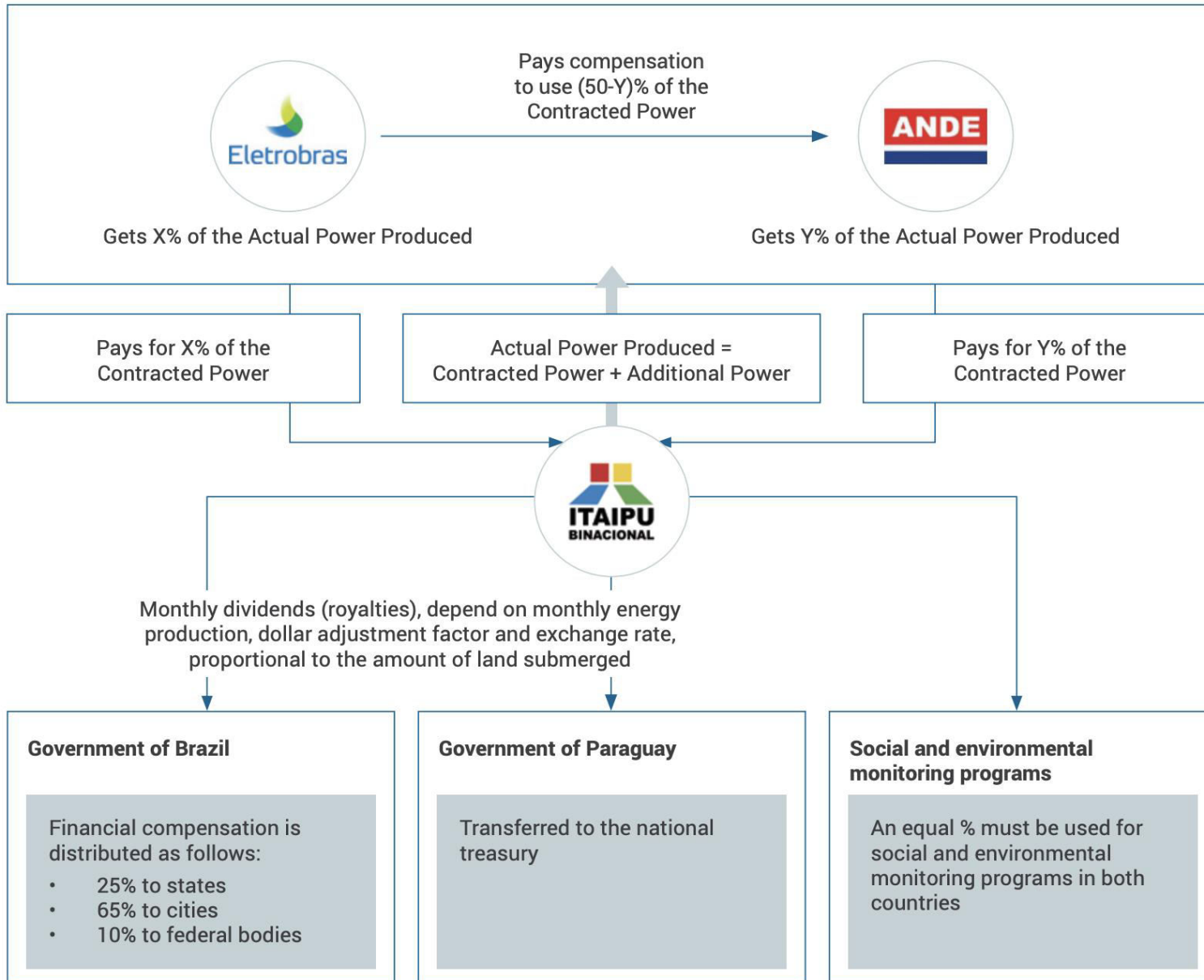
1966



On June 22, 1966, Brazil and Paraguay signed the Act of Iguazu, laying the foundation for the joint development of Paraná River.

In a sense, Itaipu hydropower project was born out of a border crisis lasting for 100 years.

1973



On April 26, 1973, Brazil and Paraguay signed Treaty of Itaipu, valid for 50 years.

1979



Brazil, Paraguay and Argentina signed an agreement in 1979 setting out the downstream flow requirements.

1984



1984: First unit started electricity generation

1991: Originally designed 18 units in operation

2007: Added 2 units to become $20 \times 700 = 14,000$ MW



2009

Should a contract signed in 1973 valid for 50 years,
be opened for re-negotiation?
They did it in 2009, tripled the price.



2023

President Lula of Brazil and Paraguayan President-elect Peña confirmed after their meeting on July 28, 2023, that the negotiations were underway to extend the Treaty of Itaipu.

Thank You for Your Attention

All photos (except the first one) from internet