



23rd OSCE ECONOMIC AND ENVIRONMENTAL FORUM

**New Approaches to sustainable hydropower
(and irrigation)**

**Cameron Ironside
Sustainability Director**

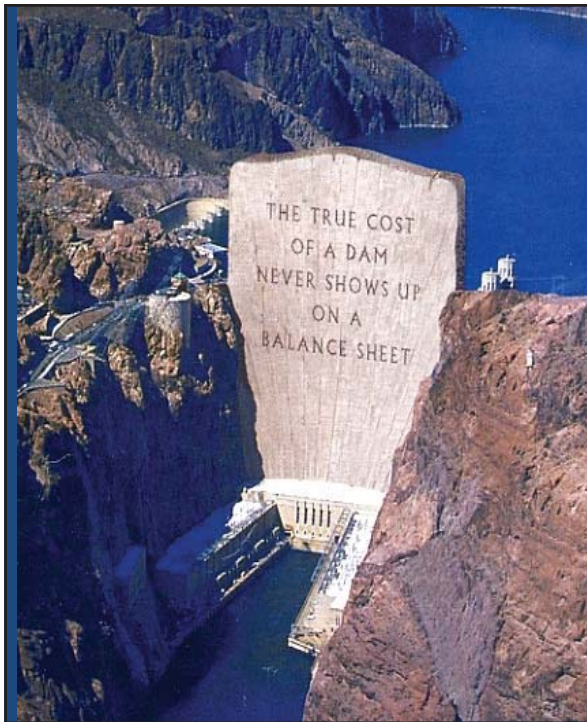
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Our mission
**advancing sustainable
hydropower**

Four strategic objectives:

- Advancing policies and strategies for the sector
- Building a vibrant community
- Creating a platform for knowledge
- Delivering value for members



Getting it right:

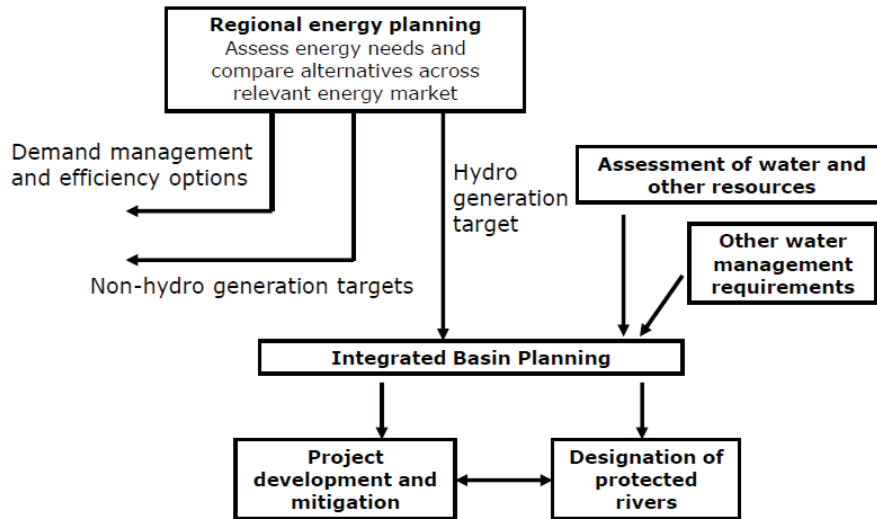
- Build the right dams
- Build those dams right



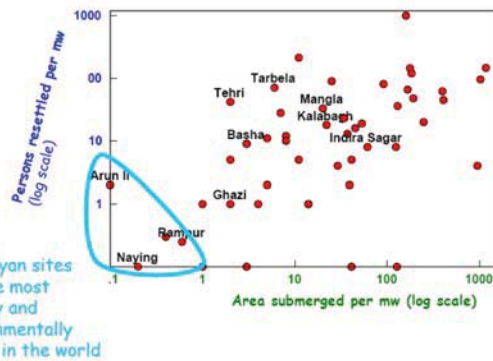
Build the right dams some examples

- -First generation SEA (Nepal hydropower)
- -World Bank ,Good Dams and Bad Dams‘ screening criteria
- -Cumulative impacts (Rhine River)
- -Ambitious SEA (Mekong mainstem hydropower)
- -Compatibility between hydropower and conservation plans

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Latin America and Caribbean Region
Sustainable Development Working Paper 16

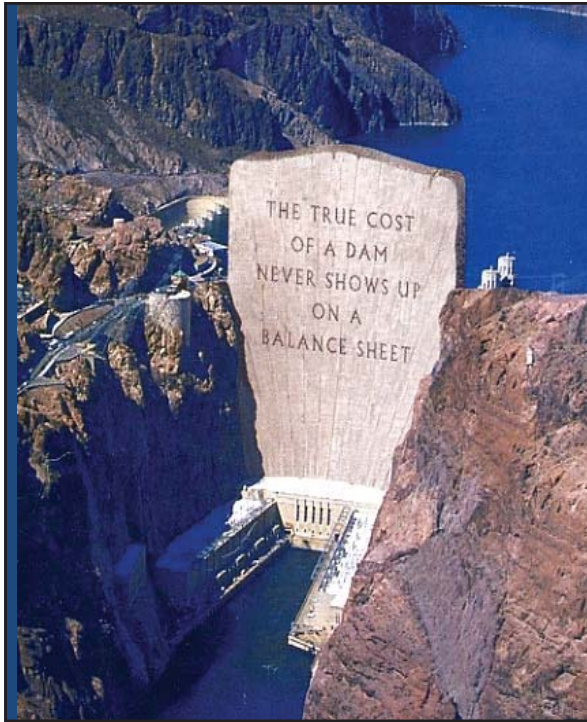
Good Dams and Bad Dams:
Environmental Criteria for Site Selection
hydroelectric Projects

November 2003

George Ledee
David Quintero

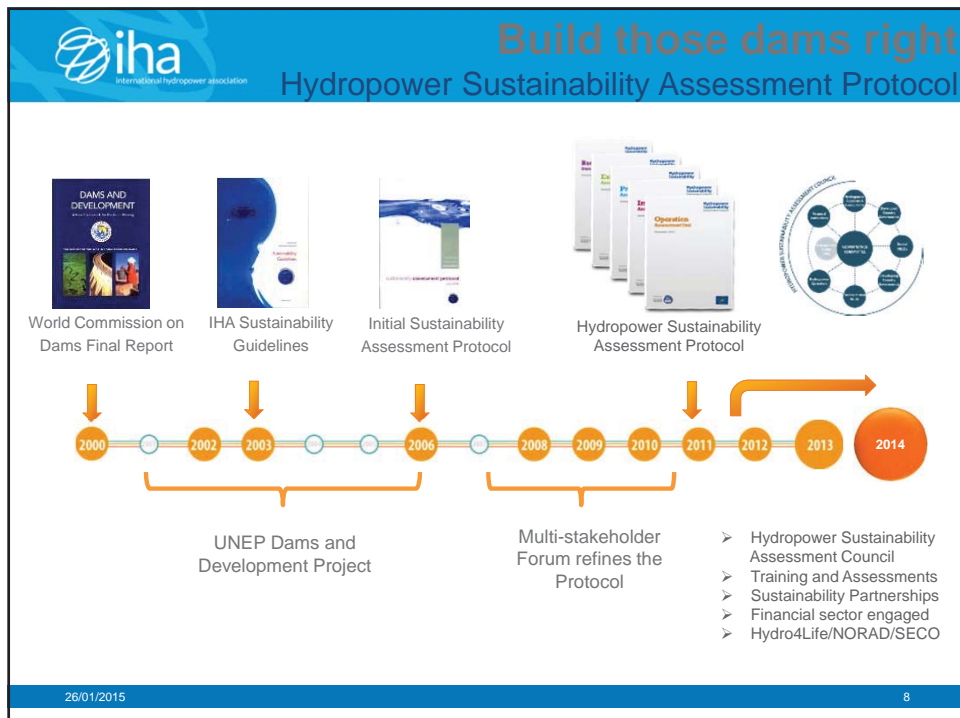
World Bank
Latin America and Caribbean Region
Environmentally and Socially Sustainable Development Department (LCSDD)

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Getting it *right*:

- Build the right dams
- **Build those dams right**

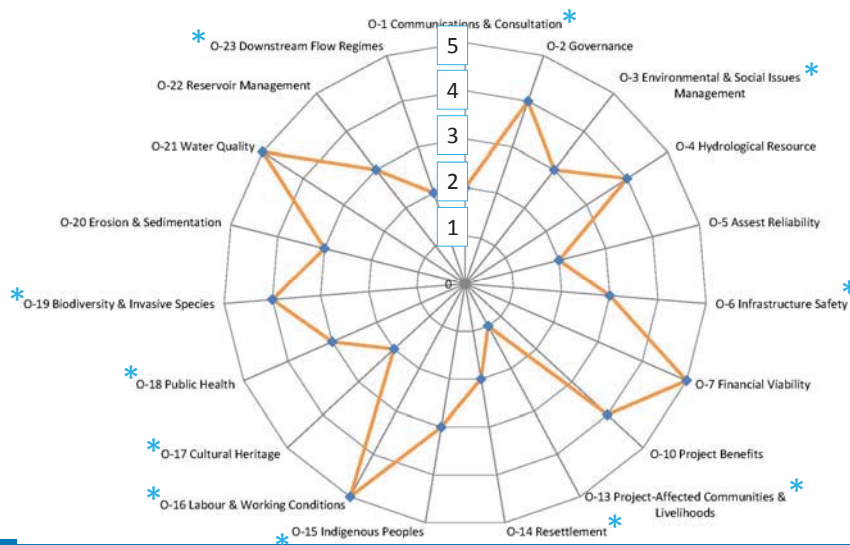


The Protocol encompasses all aspects of sustainability

TECHNICAL	ENVIRONMENTAL	SOCIAL	ECONOMIC AND FINANCIAL	INTEGRATED
Siting and design	Downstream flows	Project affected communities and livelihoods	Economic viability	Demonstrated need and strategic fit
Hydrological resource	Erosion and sedimentation	Resettlement	Financial viability	Communications and consultation
Reservoir planning, filling and management	Water quality	Indigenous peoples	Project benefits	Governance
Infrastructure safety	Biodiversity and invasive species	Cultural heritage	Procurement	Integrated project management
Asset reliability and efficiency	Waste, noise and air quality	Public health		Environmental and social issues management



Complemented with a number of cross cutting topics



Thank you

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