



# Regional Hydropower Cooperation and Development

Tracy Lane  
Director,  
Hydropower Development

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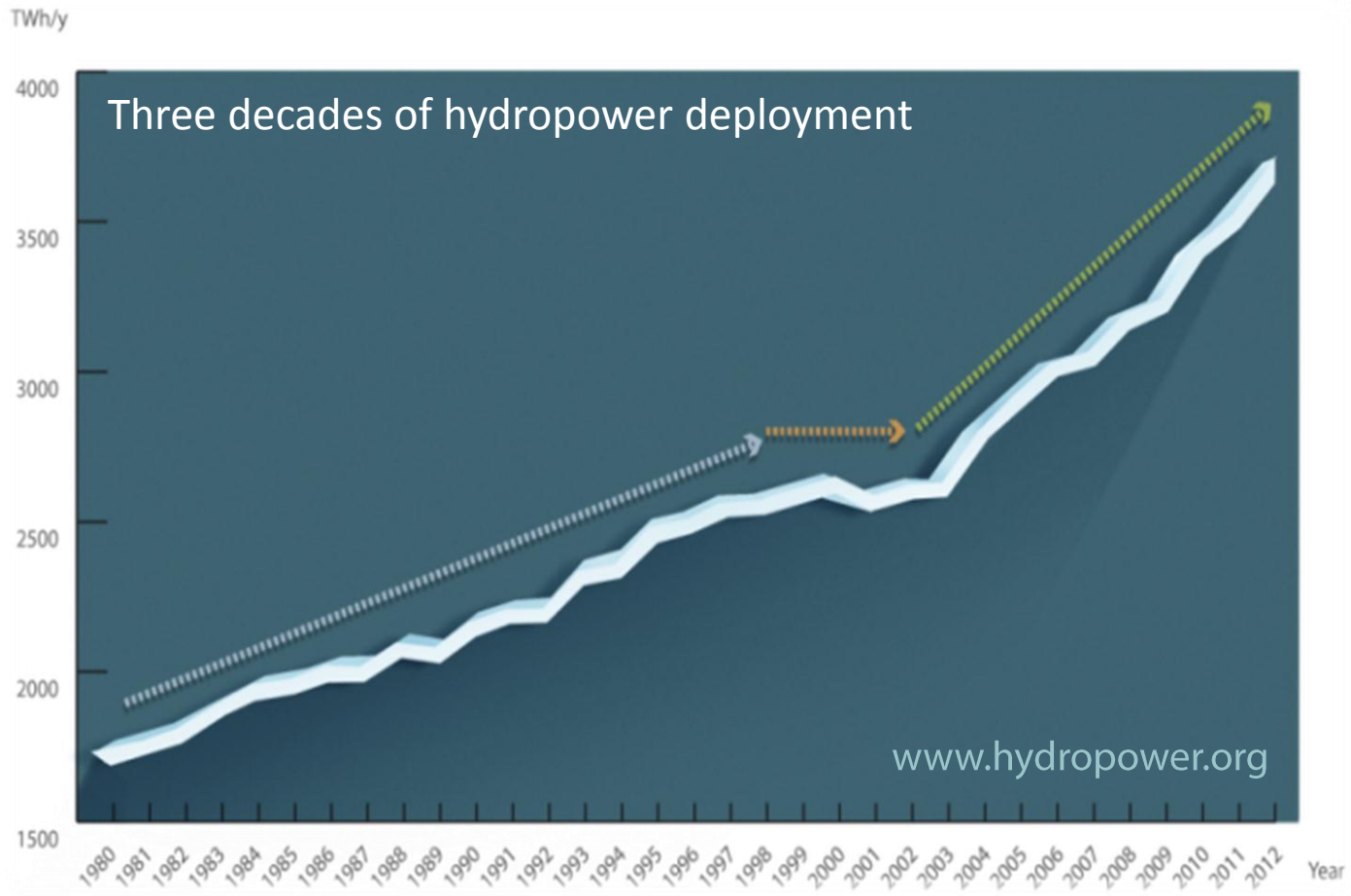


Our mission

# advancing sustainable hydropower

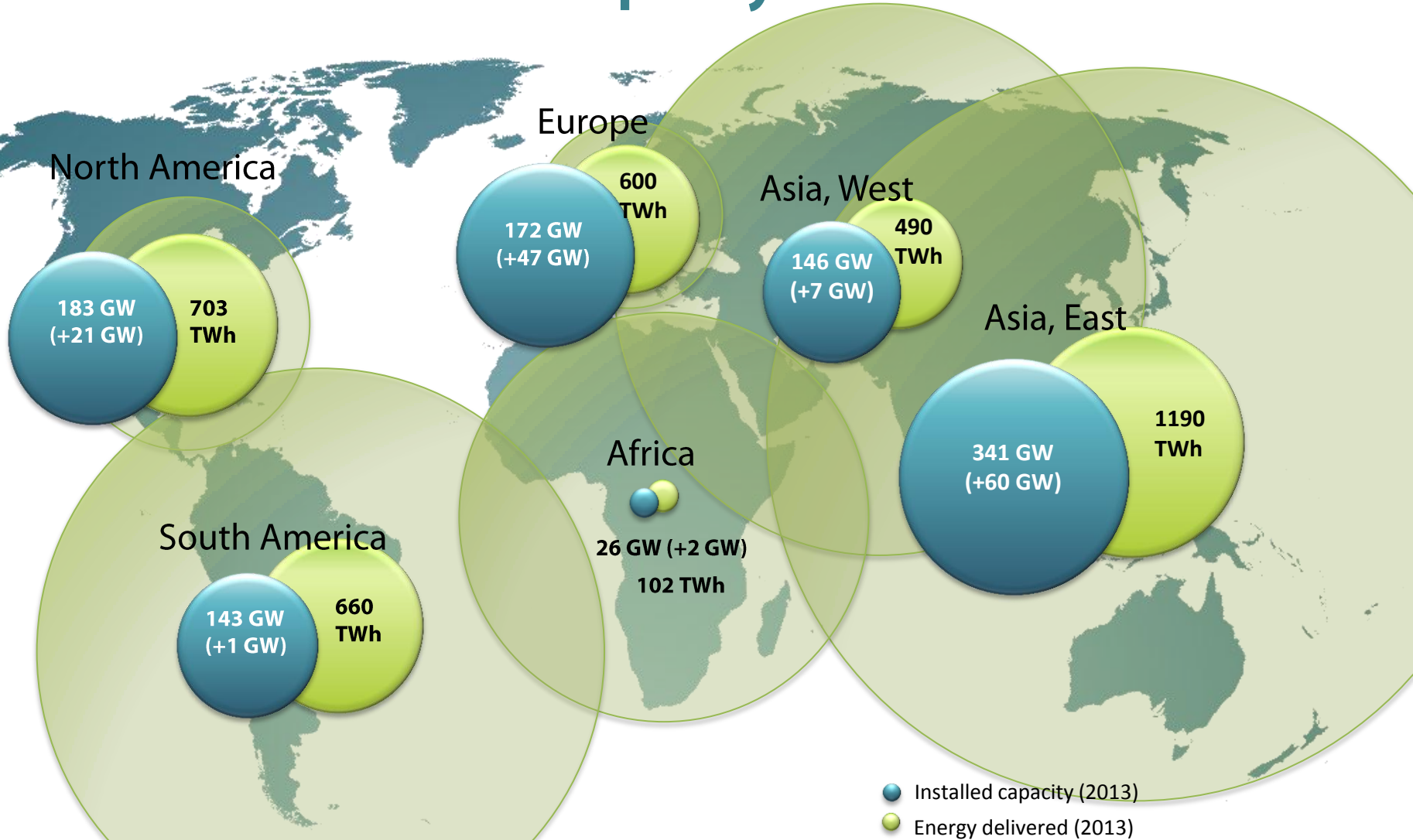
## Four strategic objectives:

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



# Regional Hydropower (+Pumped Storage)

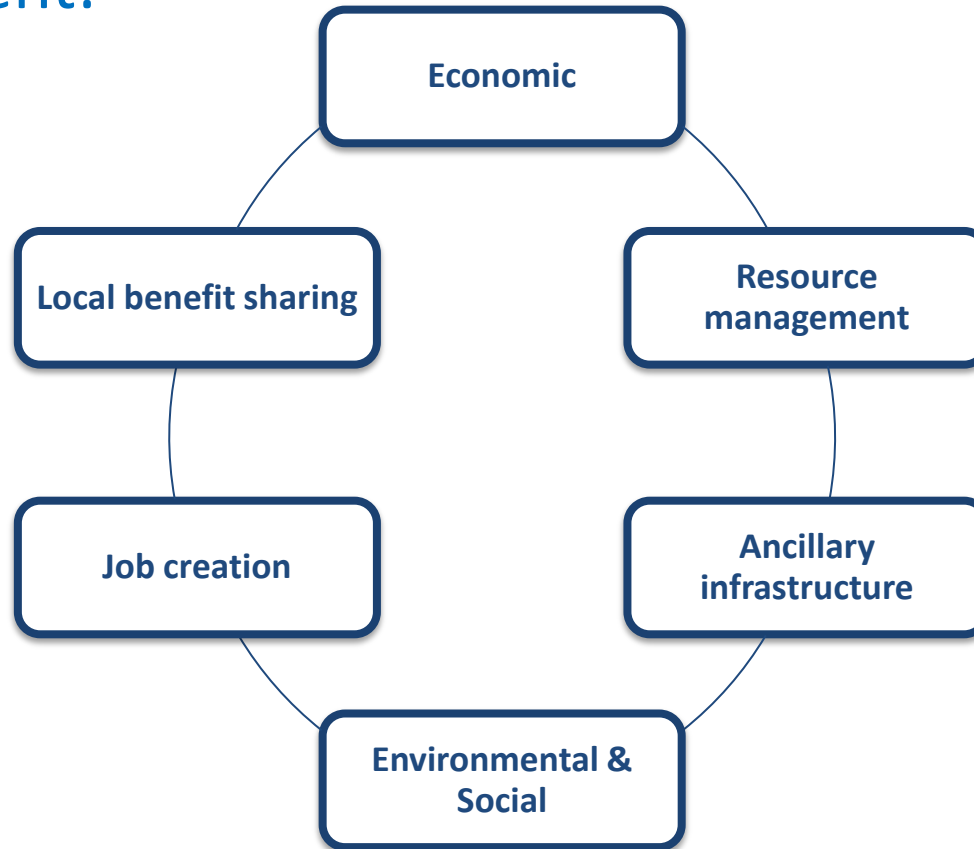
## Capacity **Generation** Potential



## Building shared knowledge through Regional Workshop Series:

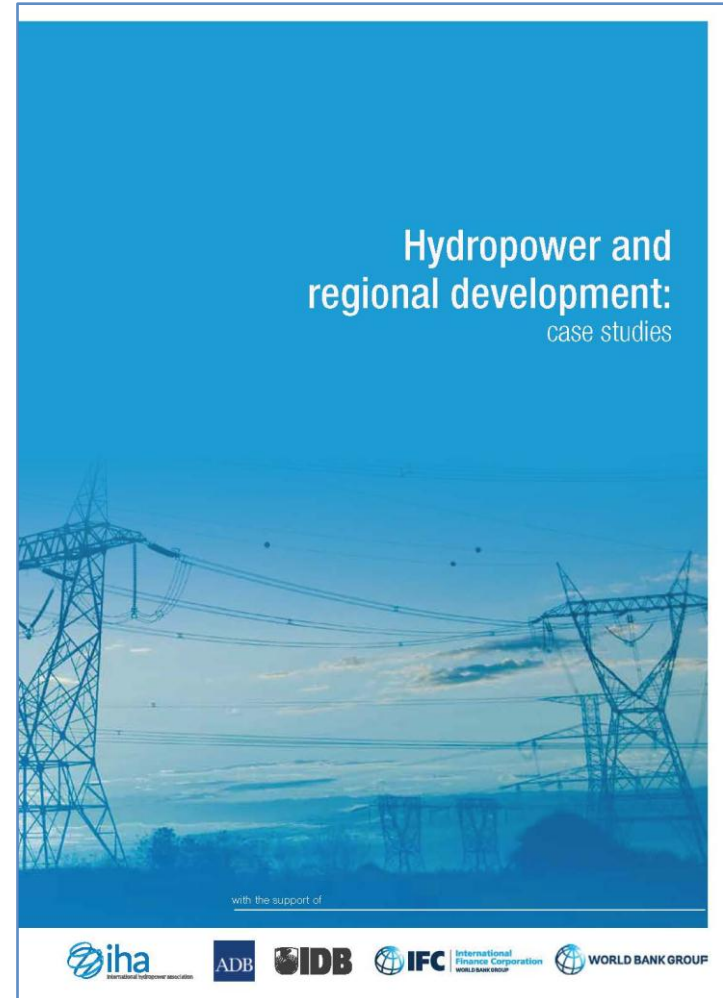
- Addis Ababa, Ethiopia 2011
- Iguassu, Brazil 2011
- Kuching, Sarawak, Malaysia 2012
- Rio de Janeiro, Brazil 2012

## Benefits of regional cooperation and development:



## Common themes:

- Regional interconnections
- River-basin perspectives
- Bringing markets to the resource



## Regional interconnections:

### Benefits:

- Efficiencies/optimised electricity system
- Improved business case for hydropower developments while reducing dependence on fossil fuel
- Lower energy costs for trading partners (vs building domestically)
- Increased system security and reduced risks

### Lessons learned:

- Strong political will and institutional capacity needed
- Need long-term planning perspective
- Trust must be established among all stakeholders, backed by solid legal frameworks
- Interconnected systems can help bring forward the best projects



## River-basin perspectives:

### Benefits:

- More strategic and sustainable development of hydropower resources
- More likely to achieve consensus and acceptability
- RBOs provide a platform for effective management of sustainable hydropower development and other uses of transboundary rivers.
- Cumulative impact assessment and early stage planning tools can optimise benefits/minimize impacts

### Lessons learned:

- RBOs should be a repository of knowledge to assist in capacity building and evidence-based decision making.
- International standards and tools should be applied at the river basin level
- Projects should not come at an unacceptable cost to the environment or indigenous peoples, even when there is a strong domestic benefit

## Bringing markets to the resource:

### Benefits:

- Hydropower as an engine of growth – providing clean, reliable and affordable energy as a drawcard for industry
- Moves beyond hydropower as an export commodity, to serve as a basis for domestic value-added economic activities

### Lessons learned:

- Clear strategies, support and coordination from cross-section of government needed, at all levels
- Policy and investment frameworks must be aligned with the strategy
- Consider broad range of industries that have interest in reliable, affordable, and low carbon energy
- Strong customer(s) or consortium of off-take agreements to serve as anchor for the investment

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