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| Global uptake

| Beyond project level

| Opportunities and challenges



Guidelines

Hydropower Sustainability Guidelines on Good International Industry Practice

Assessment tools



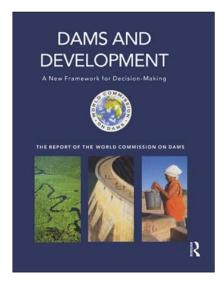


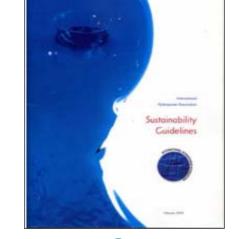
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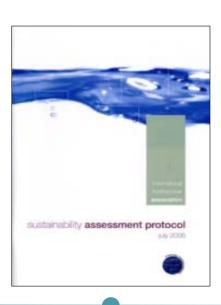
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2000

2004

2006

Hydropower Sustainability Assessment Forum





















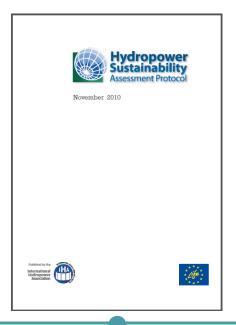








2007 2010









2010 2018

Hydropower Sustainability Tools

Define good practice



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Measure performance





Social



Communications and consultation

Project benefits

Communities and livelihoods

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Indigenous peoples

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Cultural heritage

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Biodiversity and invasive species

Erosion and sedimentation

Water quality

Waste, noise and air quality

Reservoir management

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ES assessment and management

Climate change mitigation and resilience

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Demonstrated need and strategic fit

Siting and design

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Asset reliability and efficiency

Infrastructure safety

Economic



Governance

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Economic viability

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Human Rights

Transparency

Gender

Transboundary

Livelihoods

Legacy

Multi-Purpose Projects

Integrated Water Resource Management

Grievance Mechanisms



Comprehensive

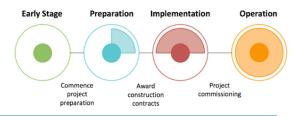








All stages

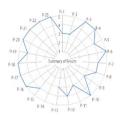


All projects





Performance



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Cost and time effective

Access to climate bonds









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Consistent in quality and content







Beyond project level

Evidence-based approach

Review documents



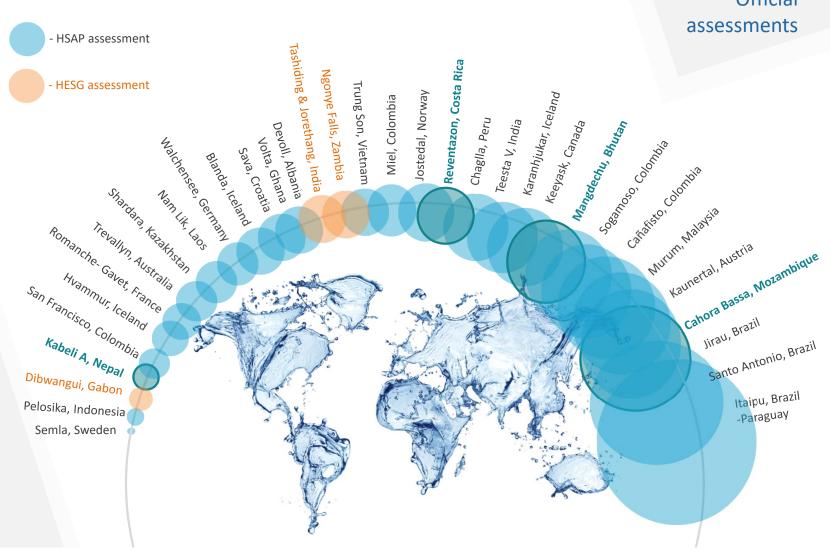
Visual inspection



Interviews



Official



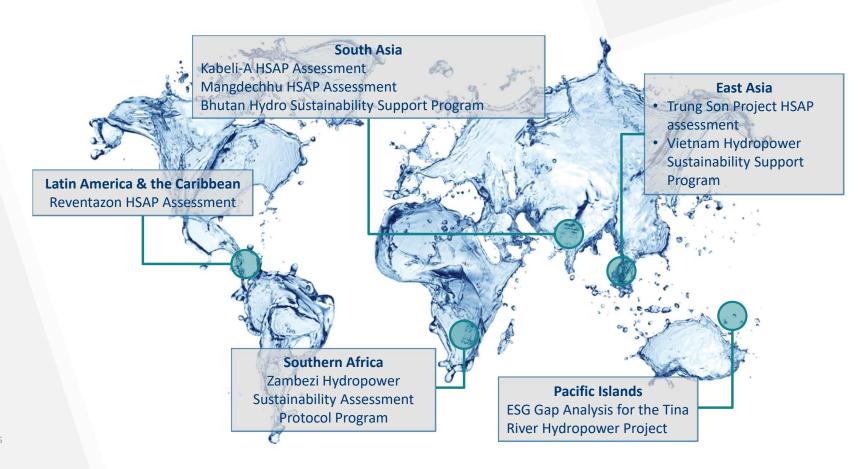
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Beyond official assessmentsWorld Bank's experience

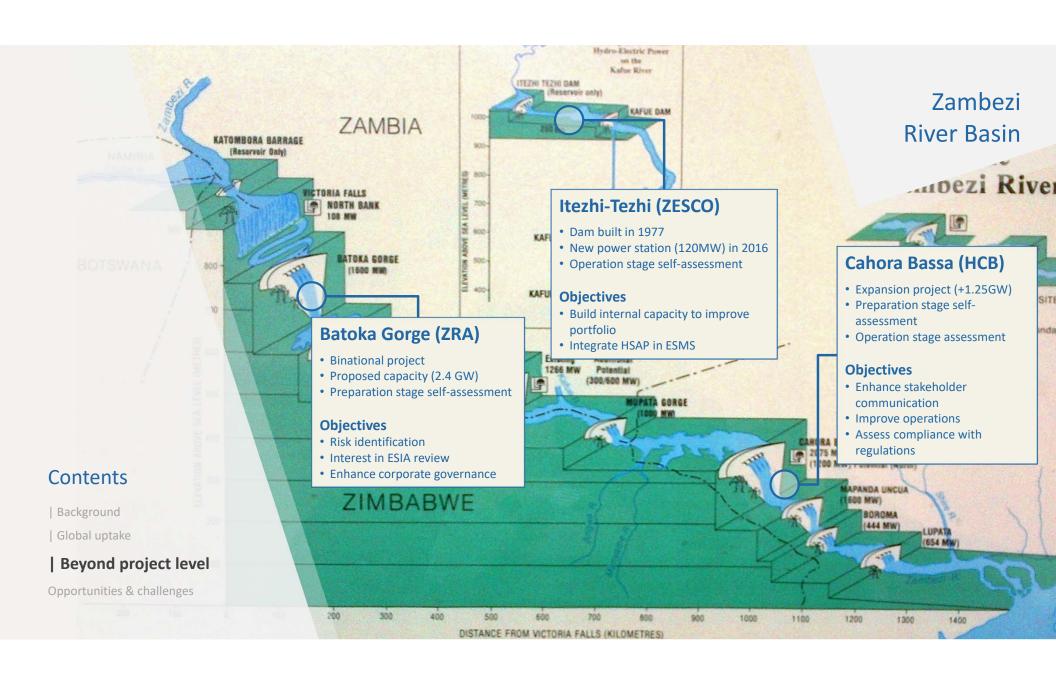


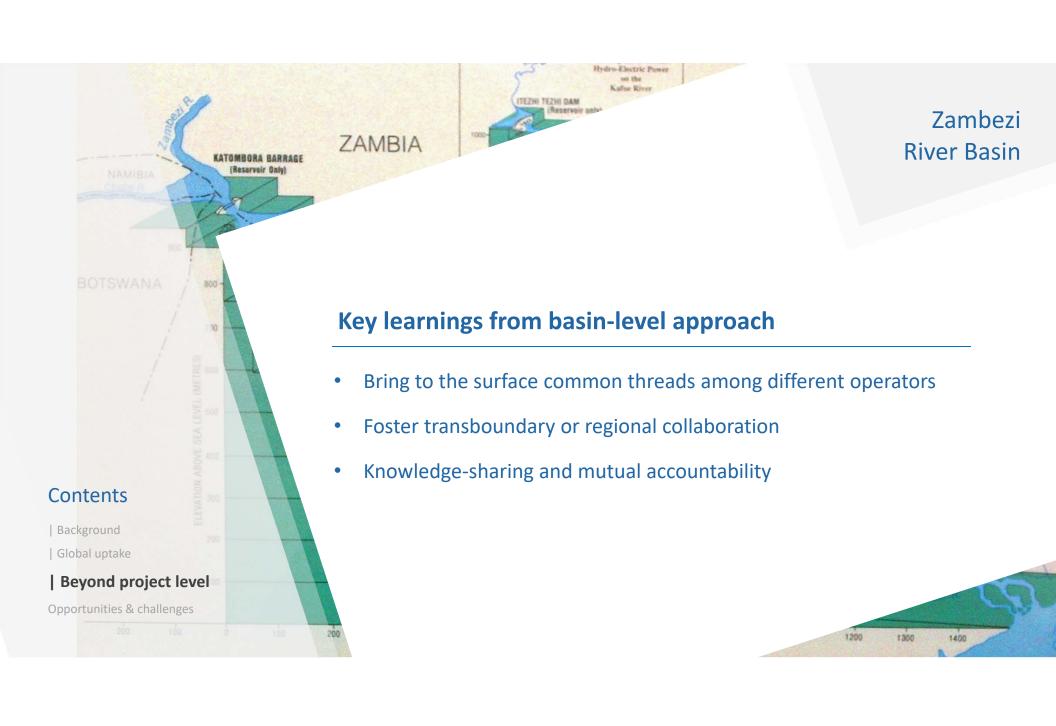
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Assessment experience







The assessment

Developer: confidential

Date: 2016

Project Stage: Implementation

Project-level approach

Findings under the topic: ES Issues Management

- There has been no Cumulative Impact Assessment or Strategic Environmental Assessment (SEA) for current and proposed hydropower and other development in the river basins.
- Cumulative impacts are relevant to this project, in the project area arising from multiple construction
 activities (including the hydropower project and major roadworks) and also from a basin perspective
 with multiple planned hydropower projects.
- The lack of proper scoping of cumulative impacts leads to reactive management of environmental and social issues, and may in turn lead to significant cumulative impacts in the project area, basin and/or downstream being "missed".
- The weaknesses identified in the EIA and the lack of scoping of cumulative impacts constitute a significant gap against the criteria for basic good practice.

Opportunities and challenges

Project-level assessment + basin-level planning

- An assessment can highlight the need for an SEA or basin level study
- Coordinated assessments across the river basin can inform an SEA or river basin planning
- Assessments after an SEA or river basin planning could contribute in the project supervision and verification of conformance/compliance

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