Conference on safe gas extraction from Lake Kivu 13-15 May 2009, Copenhagen

Rwanda

Safety demands to Bilateral Competent Authority (BCA)

Burundi

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#113 May 09Safety demands to Competent Bilateral Authority



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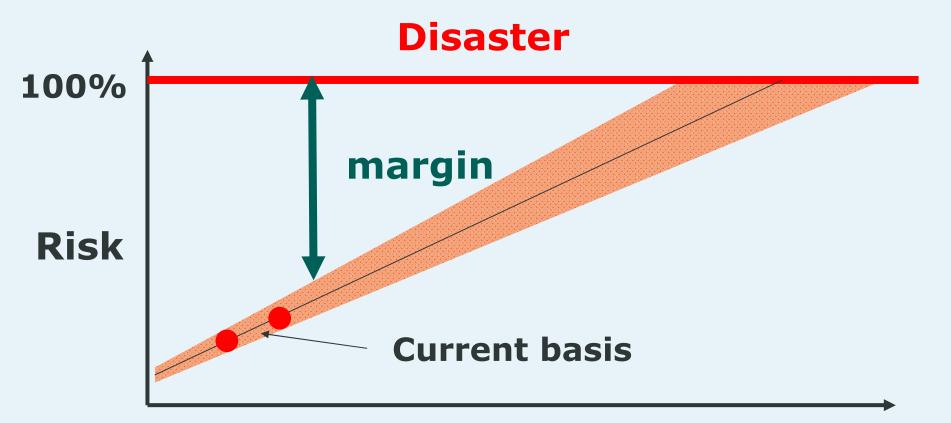
Scope, powers and duties
 dictated by public safety demands

Rwanda

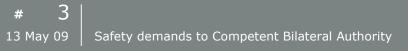
Financing Burundi

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Why rules and regulations?



Time & concentration





Rationale for institutional set-up



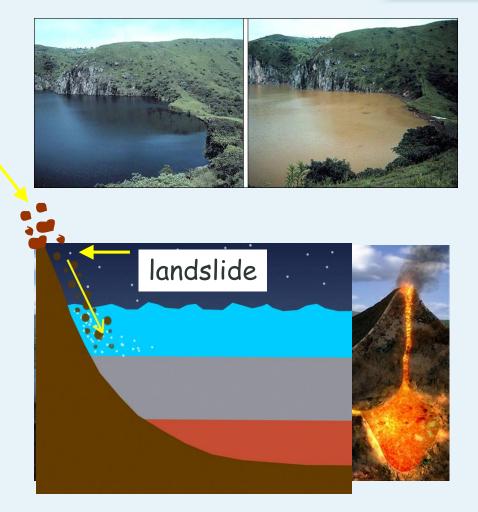




- Ensure public safety has top priority
- Prevent economic gains from jeopardizing stability & future harvesting
- Ensure local bilateral involvement & minimize costs
- Overall check and basis for forecasting and intervention

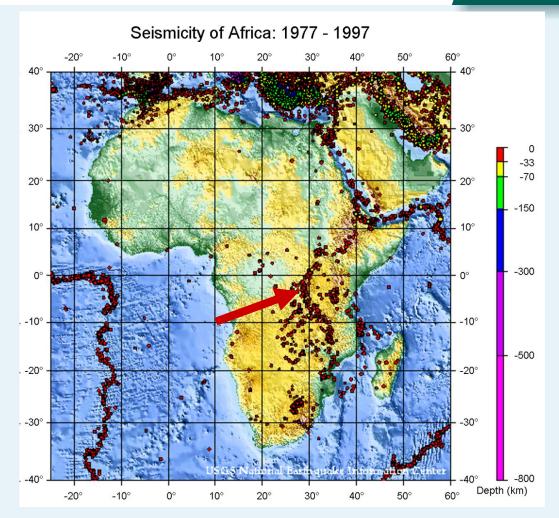


- Gas accumulation
 in lake
- Gas accumulation in sediment
- Volcanic activity
- Landslides

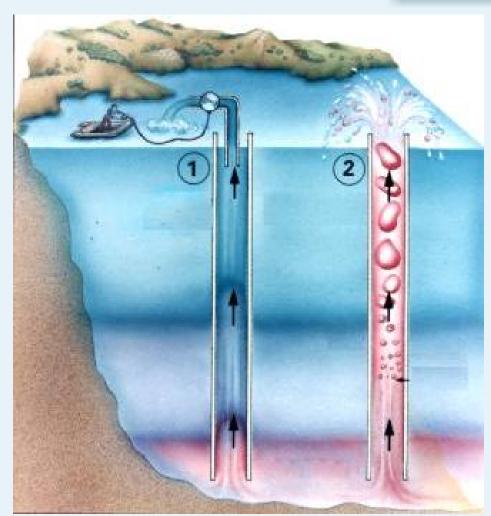




- Gas accumulation
 in lake
- Gas accumulation
 in sediment
- Volcanic activity
- Landslide
- Earthquakes



- Gas accumulation
 in lake
- Gas accumulation
 in sediment
- Volcanic activity
- Earth quakes
- Gas extraction per se or malfunction
- Loss of facility or unidentified mech.







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Others
 loss of facility unidentified mech.

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Institutional set-up



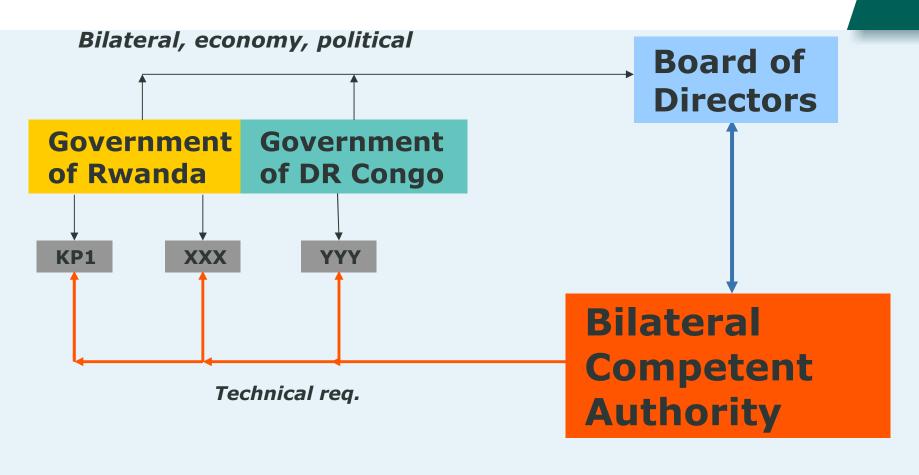




- Bilateral Competent Authority
 with powers and duties
- International Advisory Group - advice and support to BCA
- Bilateral Monitoring Institute
 - daily business
 - regular and specific monitoring
 - admin. By BCA
- Int. scientific expert team
 - Specialist monitoring, QA
 - contracted by BCA



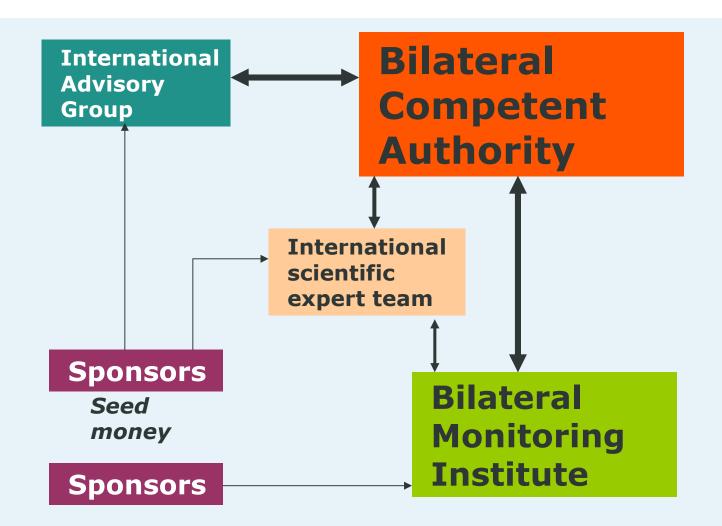
Institutional set-up



Rules and regulations



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Scope for Bilateral Competent Authority







- Initiate Baseline study International Advisory Group: tender, bid evaluation, award of contract evaluate outcome
 - Set up Bilateral Monitoring Institute & define scope
 - Approval from GoR and GoDRC
 - Manning equipment training - reporting
 - Evaluate annual reports
- Re-evaluate production conditions
 - Data to public domain



Scope of activities for BCA





- Public safety and data inventory
 - Gas inventory for management, planning and concession
 - Keep tab on Lake parameters
 - Proactive reactions on unsafe/unwanted developments
 - Consultant on techn. admin. Matters



Concessioning

- Participate in technical negotiations using International Advisory Group
- Advice politicians



Scope of activities for BCA







Check of concessionaires

- Review design and verify HAZOP for compliance with rules and regulations
- Coordinate with REMA on EIA
- Supervise critical installation steps
- Issue permit to start operation
- Inspect, review and liaise with concessionaires (safety, modifications)

Monitoring

- Maintain master monitoring list
- Sub-contract monitoring
- Evaluate results and take action



Duties and powers of BCA



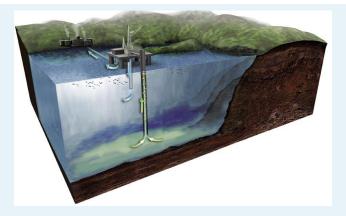




- Independent status
 - Reporting only to Board of Directors
- Power and duty to
 - stop noncompliant facility or noncompliant concession
 - implement monitoring & decide on monitoring principles/priorities
 - issue instructions based on safety
 - review management prescriptions
 - require insight in technical aspects
 - keep governments informed on all relevant matters



Financing of institutional set-up





• GoR, GoDRC

Investors

Contribution must be transparent and part of concession agreement

• Governments Investment in scientific institution and profilation of countries

Sponsors
 EAA, IFC, WB, UN, EU etc.