



ESHIA Hindcast Assessments add value to Strategic Impact Assessment

Russell Tait
Tait & Associates Pty Ltd
Melbourne

Outline

- Strategic Impact Assessment (SIA) process
- What are Hindcast Assessments
- Outcomes achieved from Hindcast Assessments
- Application to SIA

Strategic Impact Assessment process



Hierarchy

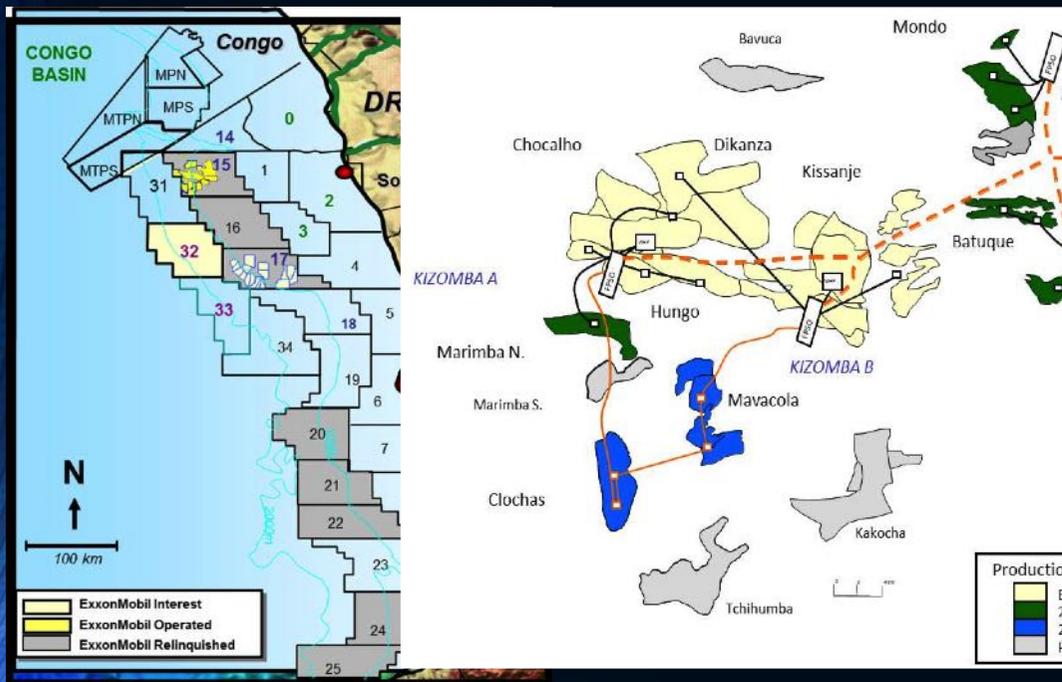
- Strategic Assessments
- Regional / Sectoral
- Project or Development
- Activity

Life cycle approach

What is / are Hindcast or “Look Back” Assessments? and what are some of the outcomes or products from such Assessments?

- Assess effectiveness of ESHIA / ESH Management Plan, systems, processes
 - Identify benefits, missed “opportunities”, lessons learned
 - Capture & disseminate best practices / lessons learned
 - Validate / improve risk identification, assessment & management
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- Periodically undertaken
 - Communicate broadly

Case study: Offshore Angola Hydrocarbon



Case study: Chad / Cameroon Hydrocarbon



Outcomes / Benefits of Hindcasts

- Characterisation of settings /confirmation of Aspects
- Understanding and magnitude of impacts
- Avoidance of impacts
- Prioritisation of risks (social, environmental, health)
- Adjusting monitoring programs
- Costs / savings
- Enhanced ESH risk identification, management & outcomes
- Improved ESH performance and sustainability

Application to Strategic Assessment

Angola

Chad

SIA

Enhanced Stakeholder engagement

Data acquisition & management

Lifecycle land use

Social Investment

Civil engineering material

Invasive species

Waste management

Biodiversity offsets

Outcomes

- Approach expanded to other hydrocarbon activities (exploration, development, production & decommissioning)
- Look for opportunity to integrate with Strategic Impact Assessment
 - Contribute to [more] sustainable outcomes
 - Identify missed opportunities
 - Maximise value of environmental monitoring and data
- Enhance EHS risk identification & management
- Build trust and improve communication with stakeholders

Reference

- Tait, R.D., Moynihan, K.J., Daetwyler, N.A., Young, C.J. & Scott-Wilson, P., 2014, ESHIA Hindcasts: Advancing Environmental, Social and Health Impact Assessment and Risk Management., SPE International Conference on Health, Safety and Environment, Long Beach, CA, U.S.A., SPE 168389, 12pp.