

Delivery of Just Decarbonisation



Dr. Christie Hazell-Marshall

Associate Technical Partner, ERM

United Kingdom

Chris.hazellmarshall@erm.com

www.erm.com



The 'Rich Problem' of Climate Change

"The Rich Nations caused climate change, the Rich benefitted, the Rich should solve it"

- For the poorest, access to basic needs are more pressing:
 - Power
 - Sanitation
 - Clean water
 - Healthcare
 - Education
 - Economic development
 - Communications etc.
- 17 Sustainability goals, not just climate change
- Poorest countries are least able to adapt, most at risk

Is it Just to deny people in developing nations access to cheap deliverable natural gas based power, and all the benefits that come with that, because of climate change that someone else has caused, and failed to fix?



Angola: Emerging Opportunity

Angola: a case study in national ambition

- The ambition: to become a regional 'Net Zero Energy Hub' for Africa
- The Opportunity:
 - Multiple, reliable sources of renewable energy (hydro, solar, wind, geothermal)
 - Large amounts of accessible land
 - Access to large workforce
- The Challenges:
 - 60% of population without access to basic services
 - High rate of illiteracy and innumeracy
 - Limited infrastructure and industrial capacity for manufacture and fabrication
- The Barriers:
 - Access to long term finance and investment across multiple, connected projects
 - Access to skills, training, education and infrastructure



Impact of Supply Chain

Electric cars and mining

- Private investment into the decarbonisation supply chain is driving greater scrutiny of project execution
 - Air pollution
 - Water pollution
 - Tailings Dams
 - Access to land and indigenous rights
 - Labour rights and child labour
 - Mine safety etc.

To enable the Social License to Operate

Electric car buyers are putting pressure on manufacturers to investigate supply chain right up to extraction of raw materials. This is having real-world impacts in developing nations where worker rights and health and safety were non-existent and child labour was rampant



Let's continue the conversation!

Post questions and comments in the IAIA24 app.



#iaia24

Dr. Christie Hazell-Marshall

Environmental Resources Management

United Kingdom

Chris.hazellmarshall@erm.com

www.erm.com