



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Faculty of Engineering

Department of Mining and Process Engineering

Enhancing Technical Advisory Services on Mining Projects led by women

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Structural Challenges

- Many reports have been written about the issues surrounding women challenges in mining; yet little has been done to address these challenges.
- There has been a fragmented approach to address these challenges.
- Various government arms and donor organizations have utilized piece meal methods in the past in trying to assist women in mining but with no meaningful success.



Challenges facing women in mining

- There is a general lack of
 - Collateral
 - Technology expertise
 - Information sharing platforms
 - Equipment
 - Credible credit history
 - Compliance with regulations (safety, environmental)
- Balancing between Family and work requirements
- Unfavourable business and regulatory environments
- Cultural and traditional biases that affect women entrepreneurs.



University's Motivation

- Traditional universities have always been under criticism for being 'ivory towers' focusing on teaching and learning and research with limited engagement with their stakeholders.
- The risks associated with poor stakeholder relations and the opportunities provided by constructive ones are usually better understood by the private and financial institutions.
- Motivation
 - Connecting with the outside communities
 - Bringing university to the people
 - Community Service and responding to national imperatives
 - Consultancy



Role of Financial, NGOs, Donors and Academic Institutions

- Financial institutions, NGOs and Governments have a key role to play in the revival and growth of the national economies
 - through loans and other options.
- Academic Institutes will come in to help avert the great exposure of the financial institution to risk through
 - proper independent technical evaluations of mining projects on behalf of the lending institutions.
- The focus of this proposal is to minimize risk exposure of the Financial Institution.

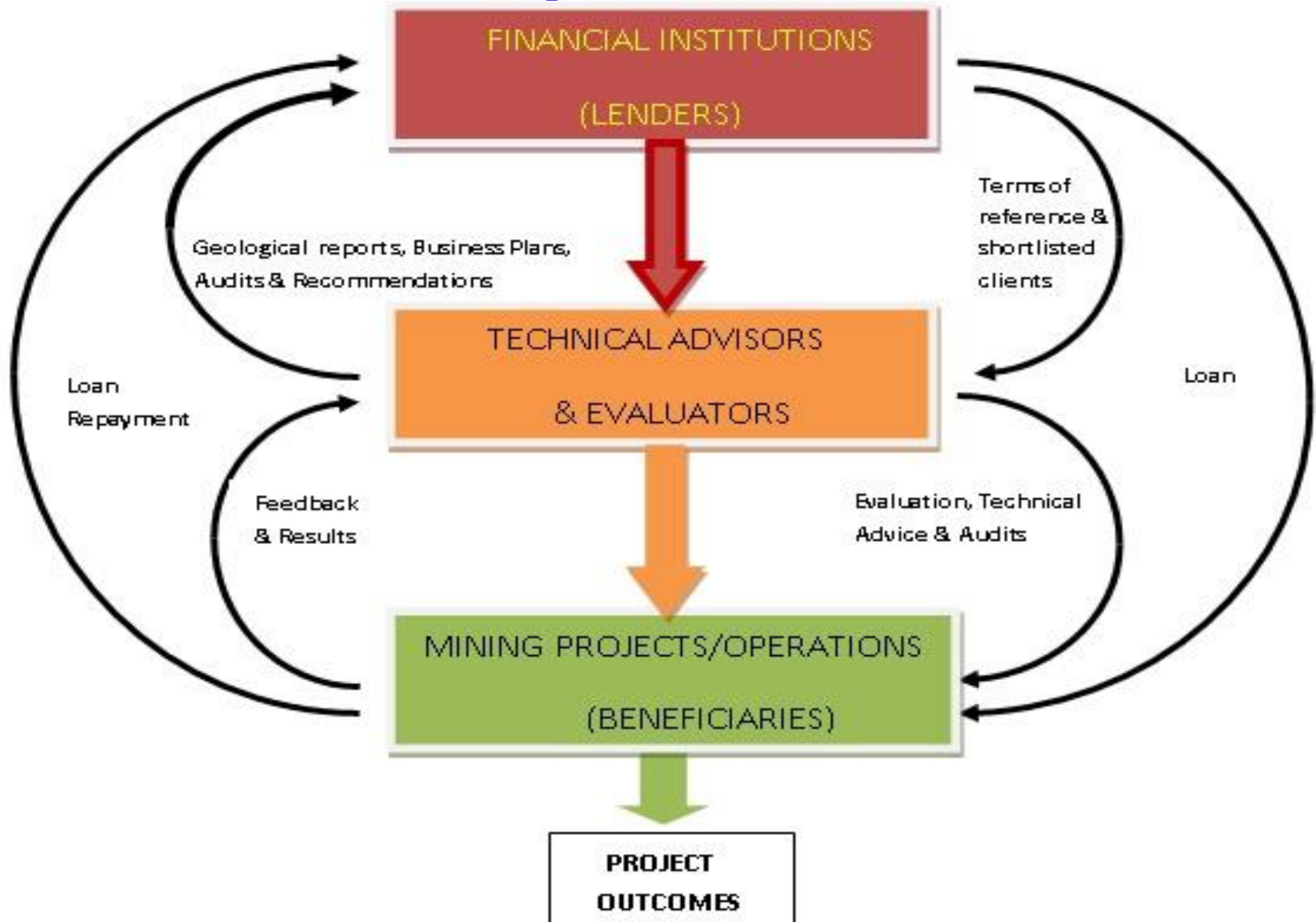


University's Motivation

- Universities should become increasingly valued by their environment and be less
 - intimidating,
 - elitist and
 - impenetrable.
- By looking 'beyond the ivory tower', universities can help to build a learning and knowledge based society

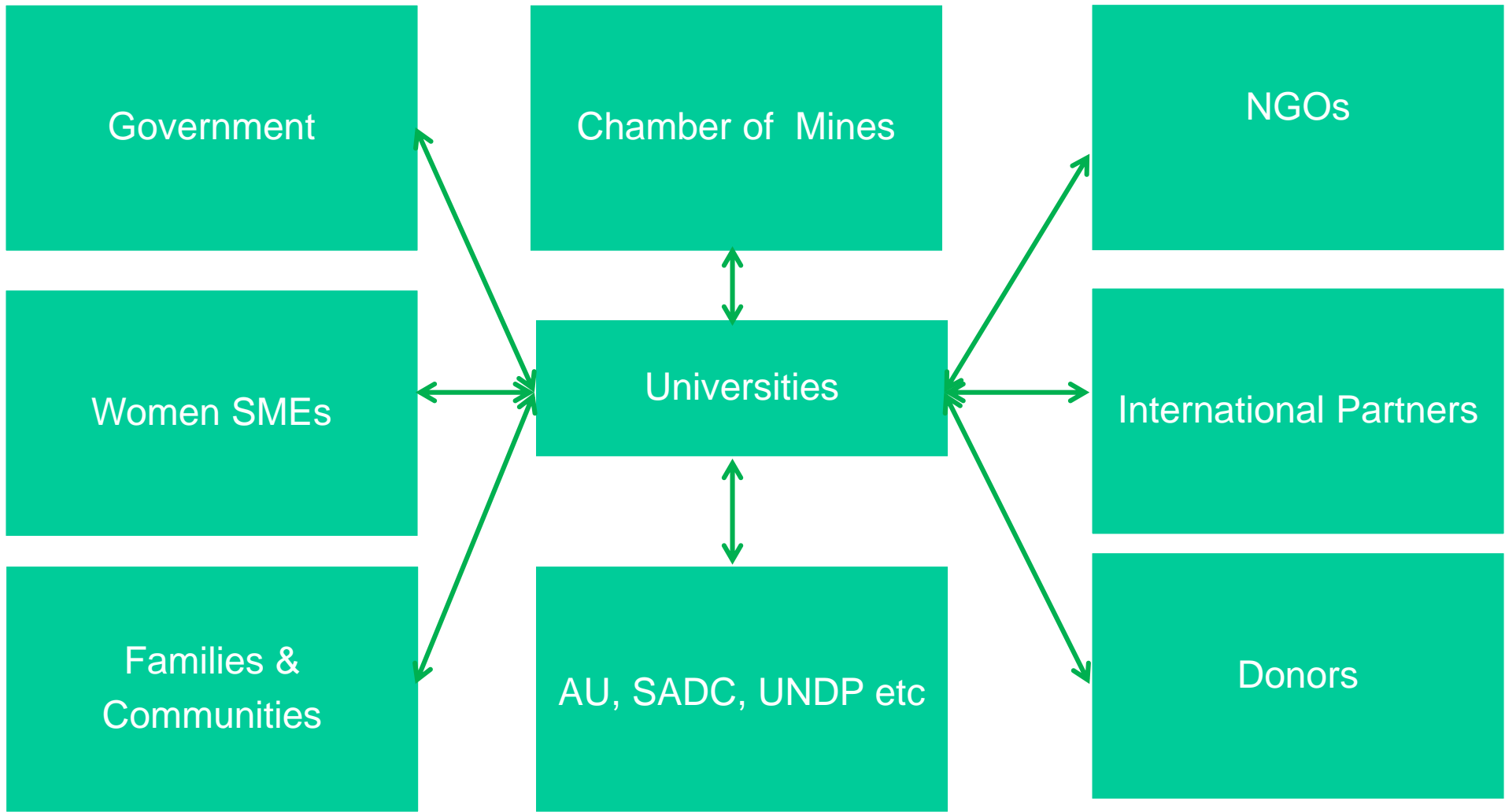


Project Model





University Linkages





University Role

- The Universities can assist the financial institution by
 - carrying out project evaluations on mining projects as a pre-requisite for issuing out loans and
 - providing technical and managerial services to the beneficiaries once the funds have been secured.
 - Carry out due diligence studies and proper evaluation of prospective mining projects and operations in terms of geological resources, technology (equipment and processes) and human expertise (key personnel), as well as profitability.



Assistance to Financial Institutions

- Advising the financial Institution on possible risks that are associated with each and every mining project that the Financial Institution would have engaged it to evaluate
- Providing technical expertise to recipients so that they have the capacity to pay back the loans received. This should benefit both the financial institution and the recipients of loans
- Ensuring that there is compliance with all relevant legislations
- Monitoring operations in the pre- and post- lending phases.



Similar Examples

- Gwanda Women Miners Cooperative Pilot programme: UNDP Sponsored
- The School of Mines in Bulawayo – offers training to the women
- Benefits to Women
 - Women reported increase in production and income
 - The Ore is now being processed at a place safe and accessible for women
 - They do not have to spend time travelling and sleeping over at the mill waiting for the Ore to be processed
 - They now gain more because they can re-process the tailings themselves
 - They now process for other men and women in the community on a subsidized fee so that the project is sustainable
- Prof. Oscar Jaime Restrepo Baena, Universidad Nacional de Colombia, Colombia
 - Designing appropriate equipment for artisanal miners
 - Safety, health, Environmental modules to miners



How can this be funded?

- Consolidating support from different government ministries and departments: Case for Namibia
 - Ministry of Mines and Energy
 - Ministry of Industrialization, Trade and SME Development
 - Social security
 - Ministry of Finance, Planning and Economic Development
 - Ministry of Gender Equality and Child Welfare (MGECE)
- Local, regional and international Development banks
- Donors through seed money and support mechanisms
- Capacity Development initiatives creating centers of excellence or business incubation models which then translate to sustainable businesses



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Thank you



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Questions and Comments