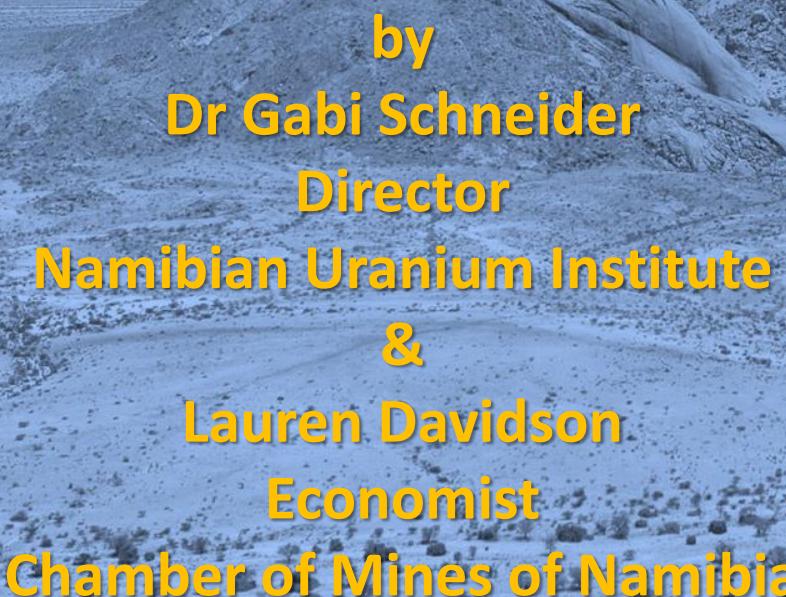




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MINING INDUSTRY CONTRIBUTION TO HARAMBEE & NDP 5



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Harambee Prosperity Plan



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The Harambee Prosperity Plan [HPP] is a targeted Action Plan:

- **No-one shall be left out**
- **It aims to accelerate development in clearly defined priority areas.**
- **It does not replace, but complements the long-term goals of the National Development Plans [NDPs] and Vision 2030.**
- **It incorporates new development opportunities and aims to address challenges that have emerged after the formulation of NDPs**
- **It prioritizes or fast track development in areas where progress is insufficient.**



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The HPP has five pillars:

- Effective Governance
- Economic Advancement
- Social Progression
- Infrastructure Development
- International Relations and Cooperation

These 5 Pillars have 17 Goals and 44 Targets

The mining sector can contribute meaningfully to 3 of them.



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ECONOMIC ADVANCEMENT

12 targets

Macro-Economic Stability	Economic Transformation	Youth Enterprise Development	Economic Competitiveness
1 Anchor public debt to 30 percent as a ratio of GDP by the end of Harambee period	4 Create minimum 10,000 new jobs in the manufacturing sector during the Harambee period	8 Increase access to finance by Micro, Small and Medium Enterprises from 22 percent to 50 percent by 2020	12 Namibia rated as most competitive economy in Africa by 2020 as measured by World Economic Forum and World Bank
2 Maintain an import coverage of 3 months during the Harambee period	5 Increase volumes of locally produced goods supplied to the public and retail sector as per Retail Charter targets	9 Introduce new financial instruments to overcome hurdle of collateralized credit for startups	 A photograph of a vast, arid desert landscape with rolling hills and sparse vegetation under a clear blue sky.
3 Maintain and improve on international credit ratings of BBB minus	6 Minimum of ten investment projects attracted through investment promotion activities, creating 1,000 jobs during the Harambee period	10 Establish SME Development Agency with countrywide representation by 2020	7 Economic empowerment leading to higher inclusion of disadvantaged groups into formal economy



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SOCIAL PROGRESSION

(9 Targets)

Hunger Poverty

1

Zero deaths recorded as a result of hunger during the Harambee period

Residential Land Delivery, Housing & Sanitation

2

Twenty six thousand new residential plots will be serviced countrywide during the Harambee period

3

Twenty thousand new housing units will be constructed countrywide during the Harambee period

4

Fifty thousand rural toilets will be constructed during the Harambee period

5

The bucket system will be eliminated by the end of 2017

Infant & Maternal Mortality

6

There will be a significant reduction in Infant and maternal mortality rate by 2020

Vocational Education Training

7

Increase the number of VET trainees from 15,000 in 2015 to 25,000 by 2020

8

Significantly improve the quality of VET training by 2020

9

Improve the image of VET to become a subsector of choice by 2020



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INFRASTRUCTURE DEVELOPMENT

15 targets

Energy Infrastructure	Water Infrastructure	Transport Infrastructure	ICT Infrastructure
1 There will be zero national load shedding during the Harambee period	5 Increase access to water for human consumption (safe drinking water) from 50 to 100 percent by 2020	7 Completion of the deepening and expansion of the Port of Walvis Bay to handle 1 Million TEUs per Annum, by the end of the Harambee period	11 80 percent of the population of Namibia to be covered by broadband services by 2020
2 Locally generated electricity capacity will increase from 400MW in 2015 to 600MW by 2020	6 Ensure sufficient water supply reserves for business activity, including industrialization, residential land servicing and housing development during the Harambee period	8 The bitumen road network will be expanded by 526 kilometer during the Harambee period	12 80 percent Broadband connections and usage to all primary and secondary schools in Namibia to facilitate e-learning by 2020
3 All schools and health facilities will have access to electricity by 2020	9 The national railway infrastructure will be upgraded to SADC standard by 612 kilometer by the end of the Harambee period	10 National air safety security will maintained during the Harambee period	13 Broadband connections and usage to 70 percent of the health facilities in Namibia to facilitate e-health by 2020
4 Rural electrification will increase from 34 percent in 2015 to 50 percent by 2020	15 100 percent coverage by digital TV and radio broadcast to all households by 2020	14 100 per cent Broadband connections and usage to all public sector agencies in Namibia to all for e-governance by 2020	15 100 percent coverage by digital TV and radio broadcast to all households by 2020





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Recommendations to the uranium mining sector made by the Presidential Advisor:

- (i) SME development through procurement
- (ii) rural youth enterprises
- (iii) food banks
- (iv) Housing
- (v) Sanitation
- (vi) vocational training (NIMT)



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Example from the Uranium Industry



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SOCIAL PROGRESSION

HUNGER AND POVERTY

Health (Awareness and Food Security)	Langer Heinrich Uranium
Special Projects Programme	Langer Heinrich Uranium
Arresting Hunger and Poverty (Food Bank and Drought Relief)	Swakop Uranium
Usakos Community Vegetable Garden Project	Valencia Uranium Ltd

RESIDENTIAL LAND DELIVERY, HOUSING AND SANITATION

Rural Sanitation	Swakop Uranium
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VOCATIONAL EDUCATION TRAINING

Rössing Foundation Educational Centres	Rössing Uranium Ltd
Rössing Foundation Mobile Education Centres	Rössing Uranium Ltd
Education and Skills Development	Langer Heinrich Uranium
Youth Development through Sports and Culture	Langer Heinrich Uranium
Vocational Education Training	Swakop Uranium
Compliance Training	Areva
Managers' Leadership Development Programme	Areva
Skills Upgrade Programme	Areva
Project Safety W.I.S.E. – an Educational Outreach Programme	Areva
Development of Sport in Communities	Areva
Early Learner's Assistance Scheme	Bannermann Resources Namibia
Basic Education Needs	Reptile Uranium Namibia
EDF VET Trainees	NUA through EDF



4 + 1 + 13
(2015):
N\$ 24 million*

* excluding
projects starting
in 2016

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Example from the Uranium Industry

ECONOMIC ADVANCEMENT

ECONOMIC TRANSFORMATION

Rössing Foundation Arandis Sustainability Project	Rössing Uranium Ltd
Rössing Foundation T-Junction Crystal Market	Rössing Uranium Ltd
Rössing Foundation Micro Loan Scheme	Rössing Uranium Ltd
Rural Enterprise and SME Development	Swakop Uranium
JV Lodge – Conservancy Training Initiative	Bannermann Resources Namibia
Heap Leach Demonstration Plant	Bannermann Resources Namibia
Erongo Development Foundation Micro Enterprise Development	NUA through EDF

YOUTH ENTERPRISE DEVELOPMENT

Addressing Youth Unemployment	Swakop Uranium
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ECONOMIC COMPETITIVENESS

U-PGRADE™ Beneficiation Process	Marenica Energy Ltd
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INFRASTRUCTURE DEVELOPMENT

WATER INFRASTRUCTURE

Erongo Desalination Plant	Areva
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8 + 1 + 1:
(2015)
N\$ 45 million*

* excluding
projects starting
in 2016

1:
N\$ 2 billion**

** total cost

$\Sigma = \text{N\$ 69 million (2015)} + \text{N\$ 2 billion}$



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Chamber of Mines Harambee Report

- Submitted to the Office of the President
- Focusing on Housing (Social Progression) and Procurement (Economic Advancement)
- Fully aligned with the HPP pillars of Social Progression and Economic Advancement
- Introducing the policies of the various companies
- Mentions the challenges as well



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NDP 5

“Working Together Towards Prosperity”



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- ◆ Based on economic progression, social transformation, environmental sustainability and good governance
- ◆ There is a NDP 5/SDG Coordination Task Force
- ◆ The inner core of the Task Force consists of NPC, MIRC, OPM and UN
- ◆ The outer core of the Task Force consists of NSA, MoF, LMs, and DPs
- ◆ Ensure alignment of SDGs process to NDP 5 planning process
- ◆ Ensure incorporation of SDGs in the NDP 5 objectives and sectoral plans

- ◆ First workshop in May 2016
- ◆ Industry meeting in June 2016
- ◆ Second workshop in July 2016
- ◆ Conference in 09/2016
- ◆ Better consultation than for NDP 4
- ◆ Joint CoM/NUA presentation on role of mining

NDP 5 has Sustainable Development and the SDGs as the overarching theme



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SUSTAINABLE DEVELOPMENT: THE NAMIBIAN WAY

Ensuring that Namibia's environment remains healthy and productive and that Namibians use their natural resources in sustainable and productive ways to combat poverty and improve people's quality of life.

H.E. President Pohamba, Rio+20, 2012: "In Namibia, sustainable development is a constitutional imperative. Our constitution obliges the state to actively promote (and maintain) the welfare of the people by adopting policies that are aimed at the maintenance of ecosystems, essential ecological processes and biological diversity of Namibia (and utilisation of living natural resources on a sustainable basis for the benefits of all Namibians)."

Article 95, Namibian Constitution



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SUSTAINABLE DEVELOPMENT, NAMIBIA AND MINING



Namibian mining companies subscribe to the International Council on Mining and Metals' (ICMM) interpretation of sustainable development for the mining and metals sector, namely that investments should be technically appropriate, environmentally sound, financially profitable and socially responsible.

Best practice, i.e. setting standards of operation and practice that maintain international standing and reputation is applied as it is critical for any mining company to gain and maintain its “social license to operate” in the community. It is essential to integrate environmental, economic and social aspects through all phases of mineral production from exploration through construction, operation and mine site closure.

NB: SEA/SEMP, ISO 14000 certifications, CSR projects

Namibia is committed to the responsible management of chemicals including mining products such as ores, ore concentrates, metals, metal compounds and alloys. The mining industry subscribes to product stewardship to promote responsible management of mining products.

NB: Uranium Stewardship, Chamber of Mines Code of Conduct & Ethics



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GLOBAL SUSTAINABLE DEVELOPMENT GOALS



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TRANSFORMING OUR WORLD: THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

Sustainable Development Goals

United Nations Resolution A/RES/70/1 of 25/09/2015

also known as post-2015 Development Agenda

17 goals, 169 targets, 304 indicators

History

1992 Rio Conference: Agenda 21

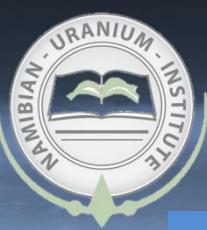
2000 Millennium Summit : Millennium Development Goals

(supposed to be achieved by 2015)

2012 Rio + 20: Resolution: The Future We Want



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SUSTAINABLE DEVELOPMENT GOALS



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1. Poverty - End poverty in all its forms everywhere
2. Food - End hunger, achieve food security + improved nutrition + promote sustainable agriculture
3. Health - Ensure healthy lives + promote well-being for all at all ages
4. Education - Ensure inclusive + equitable quality education + promote lifelong learning opportunities for all
5. Women - Achieve gender equality + empower all women and girls
6. Water - Ensure availability and sustainable management of water + sanitation for all
7. Energy - Ensure access to affordable, reliable, sustainable + modern energy for all
8. Economy - Promote sustained, inclusive + sustainable economic growth, full + productive employment + decent work for all
9. Infrastructure - Build resilient infrastructure, promote inclusive + sustainable industrialisation + foster innovation
10. Inequality - Reduce inequality within + among countries
11. Habitation - Make cities + human settlements inclusive, safe, resilient + sustainable
12. Consumption - Ensure sustainable consumption + production patterns
13. Climate - Take urgent action to combat climate change + its impacts
14. Marine Ecosystems - Conserve + sustainably use the oceans, seas + marine resources for sustainable development
15. Ecosystems - Protect, restore + promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, + halt + reverse land degradation + halt biodiversity loss
16. Institutions - Promote peaceful + inclusive societies for sustainable development, provide access to justice for all + build effective, accountable + inclusive institutions at all levels
17. Sustainability - Strengthen the means of implementation + revitalise the global partnership for sustainable development



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MINING & SUSTAINABLE DEVELOPMENT GOALS



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Empowered lives.
Resilient nations.

Columbia Center
on Sustainable Investment
A JOINT CENTER OF COLUMBIA LAW SCHOOL
AND THE EARTH INSTITUTE, COLUMBIA UNIVERSITY



COMMITTED TO
IMPROVING THE STATE
OF THE WORLD

Mapping Mining to the Sustainable Development Goals: A Preliminary Atlas

*"The mining industry has the
potential to contribute
positively to all 17 SDGs"*



90 indicators – 53 already met by the uranium industry in Namibia



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NDP 5 Background

Upper-middle-income developing country

Rich natural resources, political and macroeconomic stability

Economy has grown on average by 5.6% a year between 2012 – 2015

Distinguished itself as a leader in environmental protection

Far-sighted commitment to sustainable development has protected the natural environment of Namibia

Growing reputation as an eco-tourist destination

BUT

No reduction in unemployment (growth in labor > employment growth)

Amongst the most unequal nations in the world

28% unemployment

18% of the population living in poverty

Prevalence of HIV particularly high at 16.9% (2015)

Lack of industrialization and infrastructure

Unfavorable trade balance with a current trade deficit of N\$25.3 billion



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NDP 5 Rationale



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- Overarching: Value Addition and Structural Transformation
- Economic Development
- Inclusive and Sustainable Industrialisation



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NDP 5 Targets



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SECTOR	% GDP contribution (2015)	% Workforce contribution (2014)	Target % GDP contribution (2022)	Target % Workforce contribution (2022)
Agriculture	3.2	29.5	2.9	28.1
Fisheries	2.9	0.1	1.9	0.1
Mining	12.5	2.0	15.2	6.9
Tourism	2.1	4.1	2.2	8.1
Manufacturing	8.3	4.0	7.8	3.0

By modernizing and industrializing the major sectors of agriculture, aquaculture, manufacturing, mining, and tourism and by providing training opportunities so that workers can upgrade their skills, Namibia will create well-paying jobs for its citizens in a diverse range of industries. This is indeed the formula for the nation's long-term economic success.



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Major Pillars of NDP5



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- Inclusive sustainable and equitable growth
- Structural transformation through industrial diversification, value added industrialisation and enterprise development in the sectors of manufacturing, agriculture and food security, rural economic development, blue economy, fisheries, mining and tourism
- Expansion and modernisation of energy, water, transport, logistics, ICT and financial infrastructure
- Increase of productivity in agriculture
- Social transformation through skills development and gender equality
- Housing, land and sanitation
- Local procurement
- Research and innovation
- Conservation and sustainable use of natural resources
- Environmental management and climate change
- Good governance



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NDP5 and Mining

NB: While it deals with sectors, NDP5 is not a sectoral plan like the other NDPs, but aims to reach its goal through the integration of the various sectors of the economy.

Mining contributes 12.5% to GDP and provides critical upstream, downstream and side stream linkages for the Namibian economy. Examples of side stream linkages include transport services, power, water, skills, research and development, logistics, communications and financial services while up stream linkages consist of mining inputs and services.

Value addition is currently limited to diamonds and semi-precious stones cutting and polishing, copper smelting, electrolytic production of Special High Grade Zinc and copper cathode, the production of table and fine salt, and limited dimension stone polishing.



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Challenges



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- Economies of scale do not yet exist to make the business case for processing of some minerals to the refined state to enable further beneficiation to take place in Namibia
- To address this challenge, there is a need to consider importing minerals from other countries to achieve economies of scale that will make the country a competitive processor of minerals
- Security of water and uninterrupted power supply are key ingredients/enablers to attract investments into mineral based beneficiation and manufacturing
- Volatile commodity prices make the mining sector's contribution to the GDP uncertain



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Where Namibia want's to go during the NDP5 period



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Desired Outcome

By 2022, Namibia will have integrated the mining industry with other sectors of the economy through up-stream, side-stream and down-stream linkages.

		Targets over NDP 5					
Indicator	Baseline	2017/18	2018/19	2019/20	2020/21	2021/22	
Share of Value Added Mining in total Mining Exports	23.0	26.2	30.6	34.4	39.4	46.6	



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How we are getting there



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Key strategies

- **Intensify value addition:** In order to realise its full potential and make the sector more resilient to commodity price shocks, the sector aims to diversify through greater value addition.
- **Promote industries that will produce mining inputs and services.** This will expand the procurement sector and boost local suppliers and SMEs. Industrialization of the upstream linkages is key in effecting the much needed multiplier effect in job creation and increased economic activities.
- **Finalize amendments to the Minerals Bill.** The aim is to create conditions that will attract high foreign mining investment to increase sustainable, social and economic progress for all Namibians.



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How we are getting there



Key strategies cont.

- **Develop minerals beneficiation strategy:** This strategy aims at attracting investors into mineral beneficiation and manufacturing by ensuring a favourable investment and addressing challenges with skills, water and power supply.
- **Establish a database of all inputs and services into the mining industry to assist local suppliers and SMEs to identify business opportunities in the upstream industries.** This will increase and strengthen the local supplier base through new opportunities created by the lucrative procurement spend in the local economy by the mining industry.



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THE AFRICAN CONSOLIDATED POSITION



The African Union Summit in 2012 established a 10-member High Level Committee (HLC) to sensitize, coordinate and build alliances for arriving at a consolidated African position on the UN post-2015 development agenda. Namibia, alongside RSA, represented SADC on this Committee. Subsequently, an African Consolidated Position (CAP) was adopted by the 2014 African Union Summit.

THE AFRICAN UNION AGENDA 2063

The African Union Agenda 2063 is a global strategy to optimize the use of Africa's resources for the benefit of all Africans.

The domestication of the African Union Agenda 2063 and the Sustainable Development Goals was launched in Windhoek on 08 June 2016 by the Hon Deputy Prime Minister and the Minister of Economic Planning (DG:NPC).



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International	Continental	National	
SDGs	CAP	AU Agenda 2063	Harambee
No poverty		X	X
No hunger		X	X
Good health	X	X	X
Quality education	X	X	X
Gender equality	X	X	
Clean water & sanitation	X		X
Clean + affordable (renewable) energy			X
Good jobs and economic growth	X		X
Innovation and infrastructure	X	X	X



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International	Continental	National	
SDGs	CAP	AU Agenda 2063	Harambee
Reduced inequalities	X		
Sustainable cities and communities			
Responsible consumption			
Climate action	X	X	
Life below water		X	
Life on land			
Peace and justice	X	X	
Partnerships for the goals			X



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Sustainability is in
our hands!

THANK YOU!



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