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The Mineral Sector of Suriname: Employment Creation and Capacity Building

by

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The views expressed are those of the author and do not necessarily reflect the views of UNCTAD.

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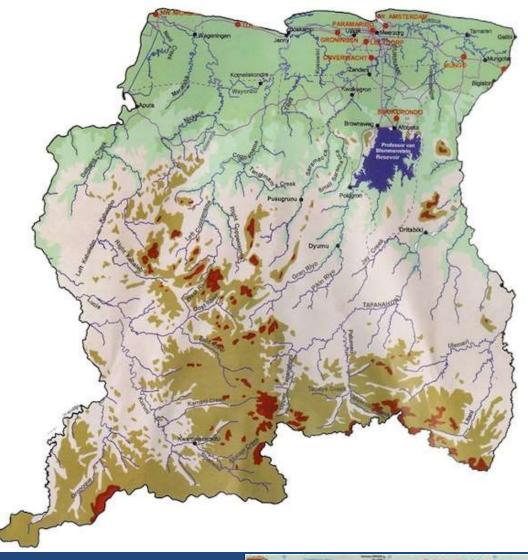
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Outline

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- 2. The mineral sector & commodities
- 3. Employment
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- 6. Options for capacity building
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1. Suriname at a glance

BASIC INFORMATION			
Area :	163,270 km²		
Population:	534,189		
Language	Dutch + 10 more		
Political system	Parliamentary/ Presidential		
Literacy	90%		
Per capita income	US\$ 9,100		
Economy	Oil, gold, bauxite, agriculture, forestry		
Power production	180 MW (100 MW hydropower)		

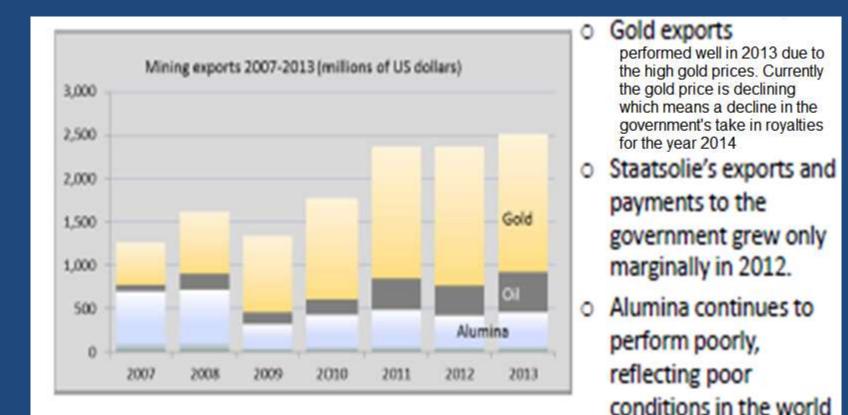




2. The Mineral Sector & Commodities

- Hydrocarbons
- Gold
- Bauxite
- Building materials
- Kaolin
- Granite (under development)
- Educational institution
- Training Institutions

Overview Exports

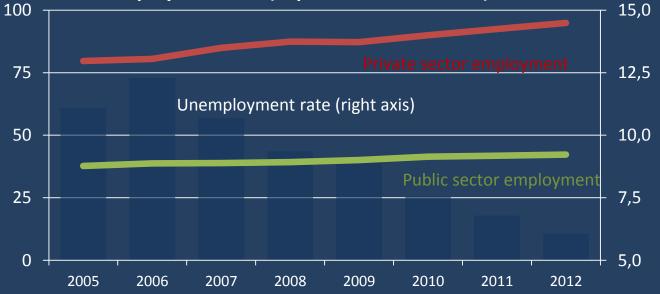


aluminum markets.

3.Employment

- Growth in recent years has been driven by private sector growth.
- Public sector employment has grown only moderately.
- Unemployment rate below industrialized country levels.

Private and public sector employment (in thousands) and unemployment rate (in percent of workforce) 2005-2012



3. Employment/4. Capacity building

SECTOR	EMPLOYMENT	EDUCATION/TRAINING NEEDS
Hydrocarbons	1000 (1700 indirect)	University geologist & engineering, mid- and lower-level technical skills
Gold (large-scale mining)	lamgold 1200 direct, 2000 indirect (Newmont/Surgold will double this figure)	University geologist & engineering, mid- and lower-level technical skills
Gold (small-scale mining)	15,000 direct & 25,000 indirect	Small/medium enterprise management, mid- and lower-level technical skills
Bauxite	700 direct & 600 contractors	Alternative employment for about 1 thousand employees & contractors
Building materials	1000 direct and 1000 indirect	Small/medium enterprise management, mid- and lower-level technical skills
Kaolin & granite	50 & 50 indirect	University geologist & engineering, mid- and lower-level technical skills
Education/training	Tertiary 500 and Senior & junior secondary 1000	Upgrading of teaching and technical skills – advanced degrees (Ph.D.)

5/6. Options for Employment Creation & Capacity Development

SECTOR	NEW JOB OPPORTUNITIES	ACTION ITEMS
Hydrocarbons	Expanded refinery comes on line	Gasoline/diesel units added, highly skilled managers/workers needed to manage more complex plant
Hydrocarbons	Potential for off-shore discovery is high	Total transformation of sector, highly skilled policy makers, technical mana- gers, finance managers & highly skilled workers (new off-shore industry)
Gold (large- scale mining)	lamgold expansion and new Newmont/Surgold plant & other prospects	Highly skilled policy makers, technical managers, finance managers & highly skilled workers
Gold (small- scale mining)	Thousands of job opportu- nities for more sustainable mining operations	Total transformation of the sub-sector, highly skilled policy makers, technical managers, finance managers & skilled workers for mercury free mining
Other	Bauxite sector needs revival, kaolin & granite have growth potential	Aggressive revival policy & strategy, incentives to develop sectors; high level policy & investment skills training

7. Growth Macro-economic indicators per sector





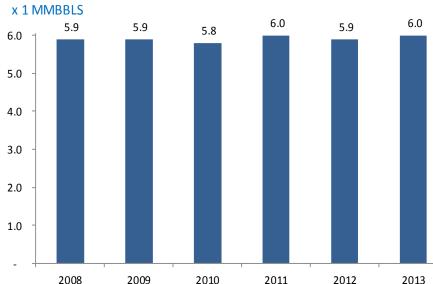
Hydrocarbons (State Oil Company's Refinery)



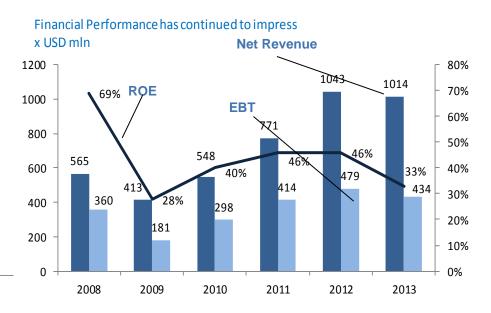
Gold (e.g. small scale mining)

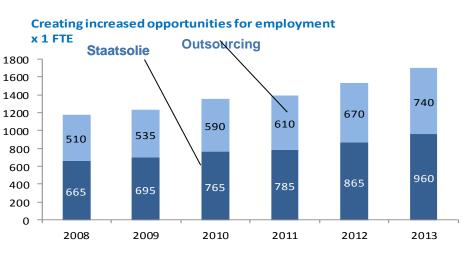
Bauxite (Suralco (Alcoa) Mine Operations)

Staatsolie has continued to perform strongly on both operational as well as financial dimensions



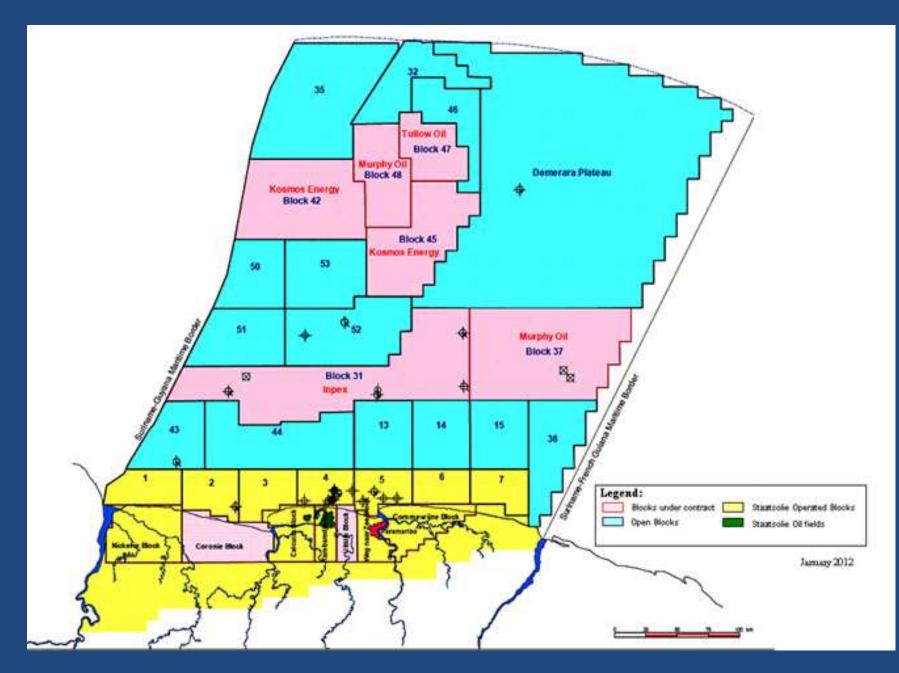
Contribution to the State has been significant x USD mln Taxes Dividend _____159 145 144 126 122 94 ¹⁰¹





Annual crude production sustained

Suriname's offshore acreage divided into blocks

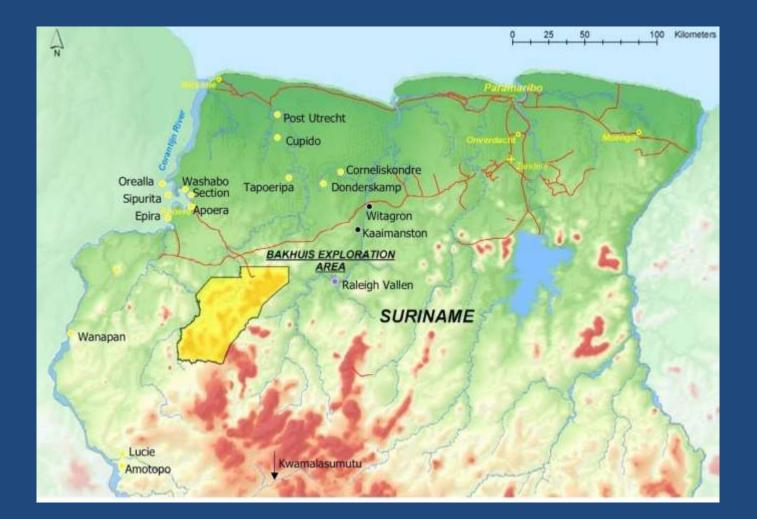


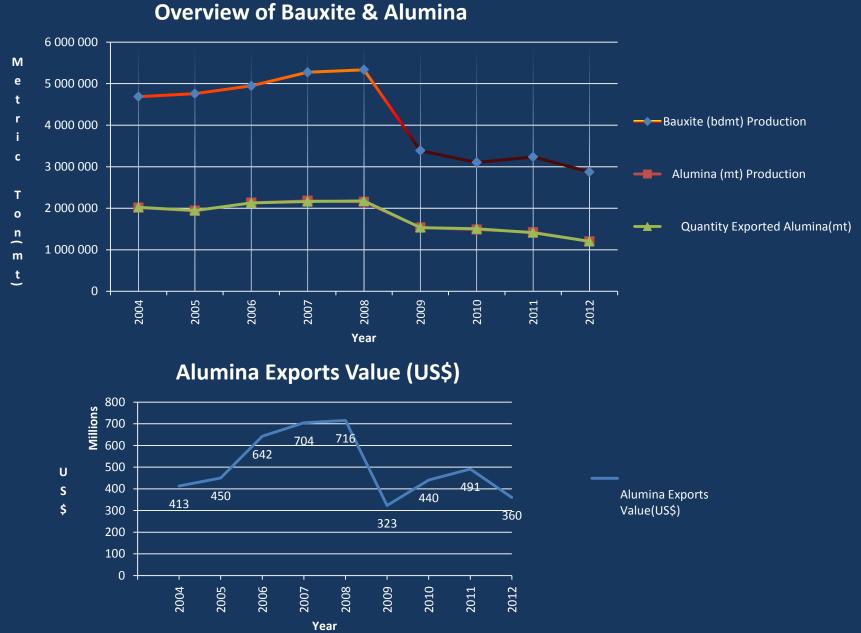
GOLD PURCHASING AND PRODUCTION IN SURINAME (Estimates based on LSM production and SSM purchasing figures)



Not all SSM gold purchased by licensed gold buyers was produced in Suriname. Rosebel Goldmines (Iam gold) started production in 2004

Bauxite





8. Sustainable Development

- Sovereign fund
- New mining law
- Environmental law
- NIMOS, National Environmental Foundation, should become a much stronger agency
- Mining Agency urgently needed
- Improved fiscal regime
- Tribal issues need to be resolved (chieftain and land rights)
- Migrant workers issues need to be managed
- Education and training aggressive policy and actions

SOVEREIGN WEALTH FUND (SSSF)

In the future, the Government will only budget a partial and stable portion of all mining revenue. All other revenue - with all its volatility – will be deposited into the SSSF;

The SSSF law and its management and governance structures are being put in place.

• New Mining Law:

- Renewal of the outdated Mining Law of 1986 based upon the current and future developments in the Mining Sector.
- Environmental Law:
- It has been submitted to the National Assembly for approval;
- For the time being the International Standards of the World Bank are being used as guidelines;
- Suriname has signed several International Conventions regarding the environment.

- Mining Agency:
- Suriname is in the process of transforming the Geological and Mining Services, Bauxite Institute and the Commission of Regulating the Gold Sector into a Minerals Institute.
- Improved Fiscal Regime:
- Create attractive investment climate for domestic and foreign private investors for both small and large scale mining projects.
- Tribal Issues:
- The government is looking at ways to establish land right issues and
- to establish an economical zone (mining, forestry, hunting, agriculture) for the different tribes.

Migrant Workers Issues:

Addressing issues regarding the migrant workers in the Small Scale Gold mining Sector.

Education and Training:

- Cooperation between SURMAC and NATIN for training teachers, alumna and students in heavy machinery;
- Polytechnic College is also working closely with local companies in providing special practical courses depending on their request.

