

Mission:

To build a network of international workforce, mobilizing communities to be self-sufficient, executing effective and efficient assessments, feasibility studies, and implementing projects for the complete physical, mental and social wellbeing of all.

-Optimal Wellbeing.

What do we do?

A-Kins Analysts and Project Managers, a minority woman owned community based small business, is a specialty provider of Health Consulting Services including:

- Health Care Advisory & Support Services
- Health Care Strategic Plans/Project Management
- Business Plan Development/Financial Resource Planning/Analysis

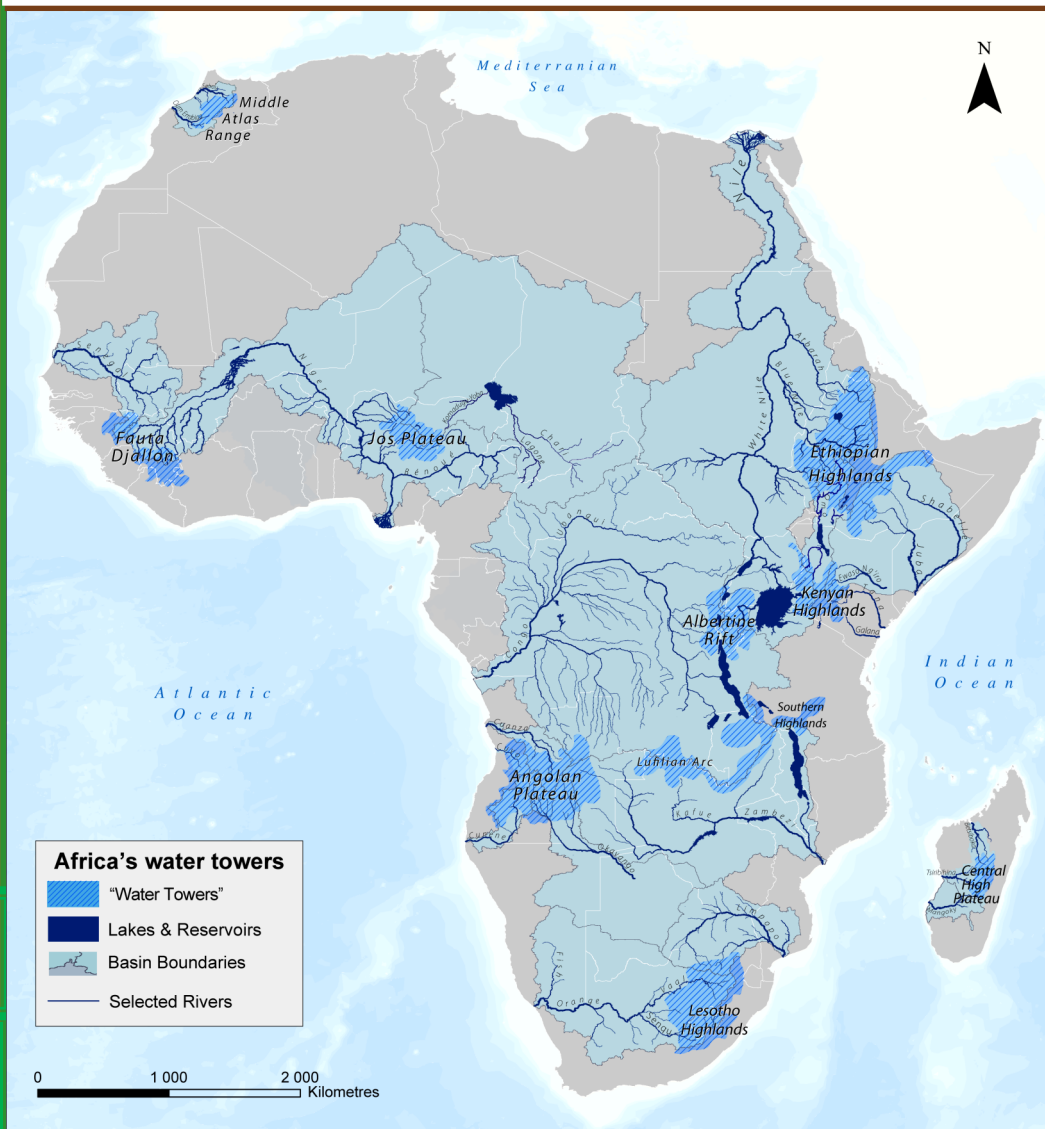
.....Health Care Systems Development; Research; Analytics; and community based social determinants of health -Economics.

"Successfully implementing challenging projects in challenging places".

INSIDE THIS ISSUE:

Africa: A Sustainable Economy	2-6
Africa: Becoming a Sustainable Economy	7-12
Democratic Strategic Intent	13

Africa Sustained!



Africa: A Sustainable Economy

Africa, the second largest and second most populous continent in the world, covering nearly a quarter of earth's land. Africa is full of diverse peoples and cultures with thousands of languages and Tribes living together.

The World looks unto Africa to sustain itself in subsistence farming, as a new form of economic sustainability plan, but Africa has always been sustained in-itself, with **farming** being the number one profession. What the world fails to understand is that Africa has practices Sustenance by Subsistence Farming, all of the time of its existence. If Africa was not self-sustained, it would not have survived colonization

and several civil wars that has "inflicted" the land, making it blood soaked.

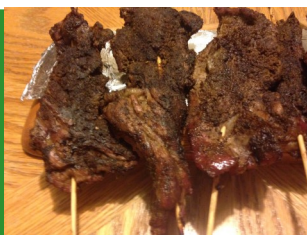
Africa in its self-sufficiency has often resorted to the land and sea for livelihood – "**Àwọn**



ọmọ onílẹ̀" -meaning, **Sons of the Soil**. A term used -often: to identify indigenes of the land. Here the African land is used in the context of being seen as sustaining its children.

This is Africa's way of explaining Sustenance by Subsistence farming to generations of its children – "**Àwọn ọmọ onílẹ̀**".

Africa, with its fertile land and perfect weather to sustain tropical crops; its lush forests; and endless coast of beaches, has always practiced Sustenance by Subsistence Farming. Africa has the largest population of able bodies men and women, who's life expectancy is at its prime. With farming being the default profession of the land, one cannot help but wonder why the world thinks Africa is not sustained and needs a new Subsistence Farming plan for economic development. Instead of being invited to the United Nations Economic table, as a continent that has something good to offer, Africa is constantly being slammed with messages of dismissal: "**go practice subsistence farming, feed yourselves and trade among yourselves**".



Africa: A Sustainable Economy

Howbeit, Africa being the only continent in the World with 99.9% Black/Tanned colored population is being classified, in a class by itself, by the world, when it comes to "World economic development".

One wonders why the World would call Africa un-sustained and deny it a place at the **ECONOMIC TABLE**. Africa, with its rich land and able bodies men and women, often defaulting to farming, is sustained in itself and **deserves a place at the economic table of the World**, being the only **Black continent in the World**.

I remember learning about agriculture in elementary school (in Africa) and "cramming" all the cash

crops produced and exported by various African countries. This is not the case anymore! As an Adult, I found myself in excitement, searching for all the countries in Africa, wondering if the list of **African Cash Crops** have doubled or tripled in number, just to find - to my dismay and disappointment, that other nations will no longer let Africa, the only Black Continent in the World, sit at the economic world table and negotiate trade of its produce. So, the African Cash Crops have in fact reduced to the barest minimum and are not being sold worldwide anymore.

Then finally, it came to mind: the World has regressed!

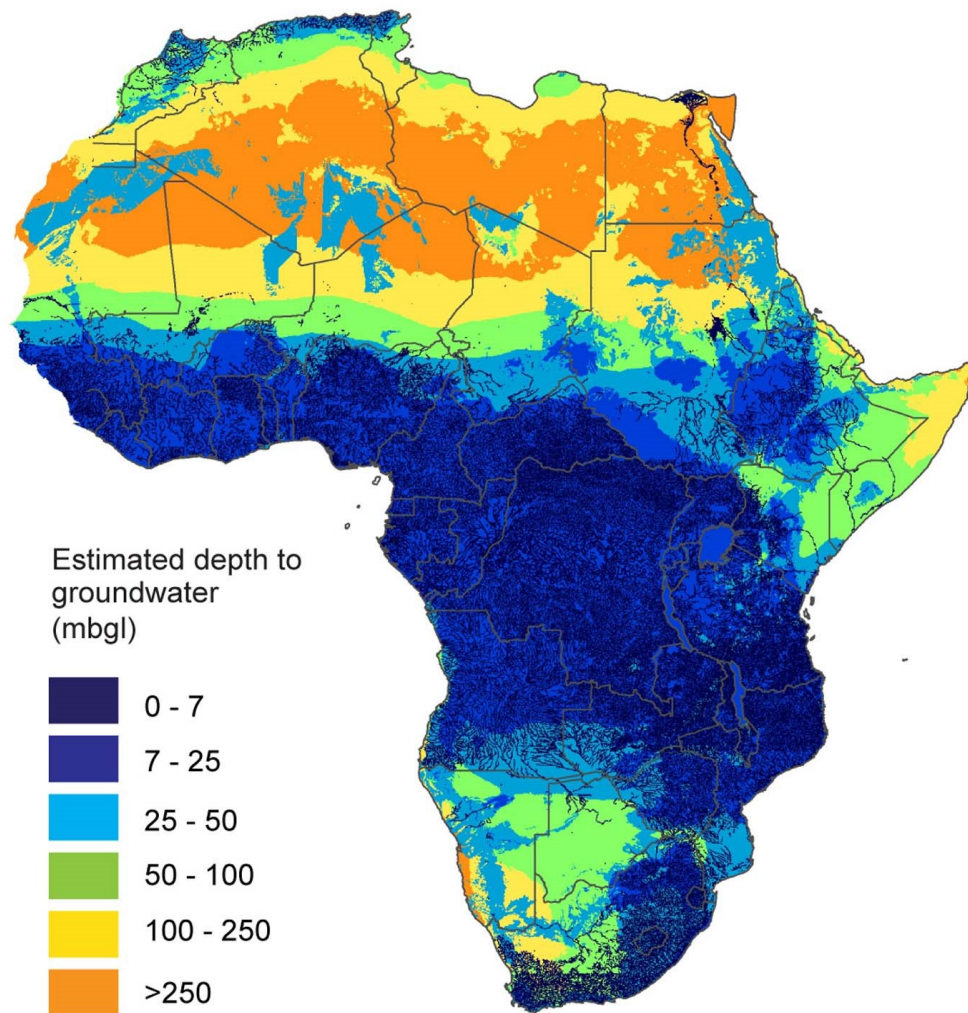
It is no longer accepting of the Black population *-as mutual respect demands*.

There is indeed no equity or justice at the economic table of the World. This great injustice that is towards Africa should be tabled by the World and addressed. Africa being the only Black continent in the world should in fact be treated with more respect. Instead, Africa is being ignored and vetoed on all economic grounds by the World.....this is inequable and unfair!

The following are my findings on Africa's sustainability and need for a better chance at economic development. Africa, does have something to bring to the economic table of the World:



Africa: A Sustainable Economy



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Boundaries of surficial geology of Africa, courtesy of the U.S. Geological Survey.
Country boundaries sourced from ArcWorld © 1995-2011 ESRI. All rights Reserved.



Africa: A Sustainable Economy

✦ North Africa has an average of 34% (with a range of 1.7% - 39%) of its working population reported as -Agricultural Labor force and only derives 34% GDP income from Agriculture.

✦ West Africa has an average of 67% (with a range of 6% - 90%) of its working population reported as -Agricultural Labor force and only derives 29% GDP income from Agriculture.

✦ East Africa has an average of 70% (with a range of 3% - 94%) of its working population reported as -Agricultural Labor force and only derives 25% GDP income from Agriculture.

✦ Central Africa has an average of 60% (with a range of 26% - 85%) of its working population

reported as -Agricultural Labor force and only derives 41% GDP income from Agriculture.

✦ South Africa has an average of 33% (with a range of 4.6% - 86%) of its working population reported as -Agricultural Labor force and only derives 4% GDP income from Agriculture.

When I saw these GDP numbers and percentages, three things come to mind as the imminent economic development problem in Africa: keeping in mind the fertile land and able-bodied workforce in Africa:

....To see Africa as key player in the economic food table of the world!



- Lack of modern agricultural tools/technics –hence the fertile lands and peoples with very little produce to show for all the effort
- Lack of capital to turn food crops into cash crops –hence the small-scale farming in every corner of the land.
- Inequality at the economic table of the world -Africa being the only black continent in the world.

My New Year wish?

However, for this to happen, the following **stereotype about African** resources, both human and produce should be corrected:



Africa: A Sustainable Economy

African products, produced by Blacks are germ and disease ridden –*poor inferior products*

- * Africans are lacking in Intelligence or expertise and have *-inferior brains*
- * Africans are mostly needy and should remain poor, since they are *-a lazy workforce*

Is Africa ready for the economic table of the World?

Yes, Africa, as I said before, has a huge Agriculture workforce, who need to learn modern Agriculture in order to enjoy the fruit of the land.

The drought situation in both north and south Africa does not help. Taking care of these issues using proven modern drought resistant water reverse strategies should be

priority. Africa is however blessed with the coasts surrounding the continent. These coasts should be used for economic boost by turning some of these into economy boosting ports and tourist resorts.

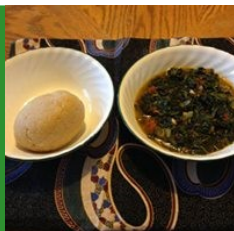
Does Africa have the infrastructure for economic viability?

Yes, as far as agriculture is concerned. Once Agriculture is “in”, other infrastructure for technology development can.....continue. Africa faults in trying to be competitive with the modern world while it (Africa) is incomparable, full of culture and riches that are not comparable to any other land in the world. Africa is a class by itself and a class in itself.....and there is nothing wrong with that!

Africa sets its own economic playing ground, as the only Black/Tanned continent in the world.

Does Africa want to be competitive?

Yes, but it is not ready for technology competition. As for technology, Africa is innovatively tagging.....along.



North Africa: Becoming a Sustainable Economy

Northern Africa									
Name of Country	Population	Area (km ²)	Population Density (per Km ²)	GDP per Capita (PPP)	Infrastructure	Rich in Natural Resources	GDP Agriculture Composition (%)	Agriculture Labor Force (%)	Expansion of Subsistence Plan
Algeria	34178188	2381740	14	\$15,000 (2016 est.)	64 paved Airports ; 87,605 km paved Roadways ; 3,973 km Railway ; 9 major Seaports (45 maritime infrastructures including 11 commercial ports, 2 oil ports, 31 fishing ports, 1 marina with 2,200 maritime traffic lights)	Oil/Natural Gas : hydrocarbons are 60% of budget revenues, 30% of GDP, and over 95% of export earnings. Algeria is the 10th-largest reserves of natural gas in the world and is the sixth-largest gas exporter. It ranks 16th in oil reserves. Mining : gold; phosphate, zinc, iron, uranium, tungsten, kaolin, and silicon	12.9%	10.8%	Reduce drought/water-scarcity; Investing in and modernizing agriculture (currently imports most food items); Development of fisheries and aquaculture plans; Improve engagement in food processing, textiles and clothing, leather and timber products for wood furniture industry.
Egypt[133]	82868000	1001450	83	\$12,100 (2016 est.)	72 paved Airports ; 126,742 km paved Roadways ; 5,085 km Railways ; 4 major Seaports (2 oil terminals; 3 major container ports)	Oil/Natural Gas : crude oil and petroleum Agriculture : products, fruits and vegetables, and cotton. Industry : textiles, metal products, chemicals, and processed food	11.9%	29.2%	Reduce drought/water-scarcity; Investing in and modernizing agriculture (currently imports most food items). Development of fisheries and aquaculture plans. Improve engagement in food processing, textiles and clothing, leather and timber products and wood furniture industry.
Libya	6310434	1759540	4	\$14,200 (2016 est.)	68 paved Airports ; 57,214 km paved Roadways ; 2 major Seaports (2 oil terminals)	Oil/Natural Gas : crude oil, petroleum, and gypsum. Agriculture : wheat, barley, olives, dates, citrus, vegetables, peanuts, soybeans, and cattle	1.7%	17.0%	Reduce drought/water-scarcity; Investing in and modernizing agriculture (currently imports most food items). Development of fisheries and aquaculture plans. Improve on mining strategies in order to increase mineral resources. Improve Industries including: iron and steel, food processing, textiles, handicrafts, cement. Develop tourism
Morocco	34859364	446550	78	\$8,400 (2016 est.)	31 paved Airports ; 41,116 km paved Roadways ; 2,067 km Railways ; 5 major Seaports	Agriculture : citrus fruits: orange, tomatoes, potatoes, olives, and olive oil, vegetables, and fish. Industry : clothing and textiles, automobiles, electric components, inorganic chemicals, transistors, fertilizers (including phosphates). Natural Gas : petroleum products, and crude minerals. Tourism	13.6%	39.1%	Reduce drought/water-scarcity; Investing in and modernizing agriculture. Development of fisheries and aquaculture plans. Invest in modernizing agriculture
Sudan	30894000	1861484	17	\$4,400 (2016 est.)	16 paved Airports , 7251 Km Railways , 4320Km paved Roadways , and one major Port	Agriculture : sorghum, millet, vegetables and a wide variety of orchard trees. Mining/Natural Gas : gold, silver, uranium copper, petroleum, zinc, gypsum, manganese, iron, chrome, mica, cobalt, tin, nickel, asbestos, lead, kaolin, and granite	39.5%	80.0%	Improve railway system making it run a more efficient intra-continental transfer of goods. Invest in modernizing agriculture
Tunisia	10486339	163610	64	\$11,600 (2016 est.)	15 paved Airports , 2173Km Railways , 14756Km paved Roadways and 5 major Seaports .	Agriculture : olive oil. Mining/Natural Gas : crude oil, di-ammonium phosphate, and phosphoric acid	9.9%	14.8%	Improve on Agriculture products in order to reduce imports i.e. wheat. Invest in modernizing agriculture
Western Sahara[136]	405210	266000	2	\$2,500 (2007 est.)	3 paved Airports , 2 major Seaports	Mining : phosphate, Iron ore	#	50.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture



West Africa: Becoming a Sustainable Economy

Western Africa									
Name of Country	Population	Area (km ²)	Population Density (per Km ²)	GDP per Capita (PPP)	Infrastructure	Rich in Natural Resources	GDP Agriculture Composition (%)	Agriculture Labor Force (%)	Expansion of Subsistence Plan
Benin	8791832	112620	78	\$2,100 (2016 est.)	1 Paved Airport , 438Km Railways , 1400Km Paved Roadways , and 1 Major Seaport	Mining : small offshore oil deposits, limestone, marble, timber	25.2%	#	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Burkina Faso	15746232	274200	57	\$1,800 (2016 est.)	2 paved Airports , 622Km Railways	Subsistence Agriculture : cotton, livestock. Mining : Manganese, limestone, marble; small deposits of gold, phosphates, pumice, and salt	32.0%	90.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve mining strategies.
Cape Verde	429474	4033	107	\$6,700 (2016 est.)	9 paved Airports , 932Km paved Roadways , 1 major Port	Mining : salt, basalt rock, limestone, kaolin, Agriculture : fish. Industry : clay, gypsum, shoes, garments, and hides	8.1%	#	Develop tourism. Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
The Gambia	1782893	11300	158	\$1,700 (2016 est.)	1 paved Airport , 711Km paved Roads , and 1 major Seaport	Mining : clay, silica sand, titanium (rutile and ilmenite), tin, and zircon. Agriculture : Fish	21.0%	75.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Ghana	23832495	239460	100	\$4,400 (2016 est.)	7 paved Airports , 947 Km Railroads , 13,787Km paved Roads , and 2 major Seaports	Mining : gold, timber, industrial diamonds, bauxite, manganese, rubber, hydropower, petroleum, silver, salt, limestone oil, aluminum, manganese ore. Agriculture : Cocoa, and horticultural products	19.7%	44.7%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Guinea	10057975	245857	41	\$1,300 (2016 est.)	4 paved Airports , 1086Km Railways , 4342Km of paved Roads and 2 major Seaports	Mining : bauxite, iron ore, diamonds, gold, uranium and salt. Industry : Hydropower. Agriculture : fish, coffee	19.9%	76.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Guinea-Bissau	1533964	36120	43	\$1,600 (2016 est.)	2 paved Airports , 965Km paved Roadways , 4 major Seaports	Agriculture : fish, shrimp, cashews, peanuts, and palm kernels. Mining/Natural Gas : Phosphates, bauxite, clay, granite, limestone, and unexploited deposits of petroleum. Industry : Raw and sawn lumber/timber	44.7%	82.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve use of ports for strategic Business Implementation.
Ivory Coast	20617068	322460	64	\$3,600 (2016 est.)	7 paved Airports , 660Km Railways , 6502Km paved Roadways , and 2 major Seaports	Mining/Natural Gas : petroleum, natural gas, diamonds, manganese, iron ore, cobalt, bauxite, copper, gold, nickel, tantalum, silica sand, clay, Agriculture : Cocoa, beans, coffee, palm oil, hydropower, cotton, bananas, pineapples, palm oil, and fish	19.5%	68.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve use of ports for strategic Business Implementation.
Liberia	3441790	111370	31	\$900 (2016 est.)	2 paved Airports , 429Km Railways , 657Km paved Roadways , and 2 major Seaports	Mining : iron ore, timber, diamonds, gold, hydropower, and rubber. Agriculture : Cocoa, and coffee	36.0%	70.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve use of ports for strategic Business Implementation.
Mali	12666987	1240000	10	\$2,300 (2016 est.)	8 paved Airports , 593Km Railways , 5522Km paved Roadways and 1 River Port	Mining : gold, phosphates, kaolin, salt, limestone, uranium, gypsum, granite, Industry : hydropower. Agriculture : Cotton, livestock	40.7%	80.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Mauritania	3129486	1030700	3	\$4,300 (2016 est.)	9 paved Airports , 728Km Railroads , 3158Km Roads , and 2 major Seaports	Mining/Natural Gas : iron ore, gypsum, copper, phosphate, diamonds, gold, and Crude oil. Agriculture : fish and fish products, and livestock	21.9%	50.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve mining strategies
Niger	15306252	1267000	12	\$1,100 (2016 est.)	10 paved Airports , 3912Km paved Roads	Mining/Natural Gas : world's largest uranium deposit, coal, iron ore, tin, phosphates, gold, molybdenum, gypsum, salt, petroleum. Subsistence agriculture : livestock, cowpeas, onions	44.7%	87.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve mining strategies
Nigeria	166629000	923768	180	\$5,900 (2016 est.)	40 paved Airports , 3798Km Railways , 28980Km paved Roads , 3 major Seaports	Mining/Natural Gas : petroleum, tin, iron ore, coal, limestone, niobium, lead, zinc, Industry : Rubber. Agriculture : Cocoa	21.2%	70.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve mining strategies. Improve use of ports for strategic Business Implementation.
Saint Helena, Ascension and Tristan da Cunha	7728	420	13	\$7,800 (2009/2010 est.)	2 paved Airports , 168Km paved Roadways , 3 major Seaports	Agriculture : fish (frozen, canned, and salt-dried skipjack, tuna), lobster, and coffee. Industry : Handicrafts	#	6.0%	Developing tourism; Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Senegal	13711597	196190	70	\$2,600 (2016 est.)	9 paved Airports , 906Km Railways , 5957Km paved Roads , and 1 major Seaport	Mining/Natural Gas : petroleum products, phosphates, and iron ore. Agriculture : Groundnuts (peanuts), cotton, and fish	17.2%	77.5%	Developing tourism; Improve on Agriculture products in order to reduce imports for strategic Business Implementation.
Sierra Leone	6440053	71740	90	\$1,700 (2016 est.)	1 paved Airport , 904Km paved Roads , and 3 major Seaports	Mining : diamonds, titanium ore, bauxite, iron ore, gold, chromite, and rutile. Agriculture : Cocoa, coffee, and fish	61.4%	61.1%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture. Improve mining strategies. Improve use of ports for strategic Business Implementation.
Togo	6019877	56785	106	\$1,600 (2016 est.)	2 paved Airports , 568Km Railways , 2447Km paved Roadways and 2 major Seaports	Mining : phosphates, limestone, and marble. Agriculture : Cotton and coffee	29.0%	65.0%	Improve on Agriculture products in order to reduce imports. Improve mining strategies. Improve use of ports for strategic Business Implementation.

East Africa: Becoming a Sustainable Economy

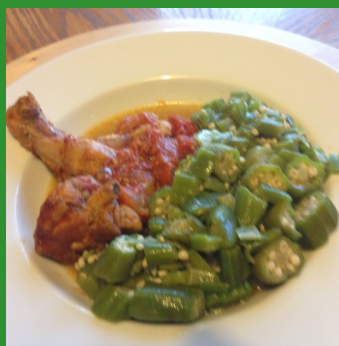
Eastern Africa									
Name of Country	Population	Area (km ²)	Population Density (per Km ²)	GDP per Capita (PPP)	Infrastructure	Rich in Natural Resources	GDP Agriculture Composition (%)	Agriculture Labor Force (%)	Expansion of Subsistence Plan
Burundi	8988091	27830	323	\$800 (2016 est.)	1,286 km paved Roadway ; No Railway ; one paved Airport ; 1,286 km; one Lake Port	Agriculture : cash crops - coffee, the tea plant, cotton, oil palm, sugar cane and tobacco; Food Crops -mainly dominated by banana, tubers, pulses and cereals; Vegetables - cabbage, eggplant, onions, tomatoes, amaranth, peppers, celery, etc.; Fruit - avocado, mango, papaya and lemon, guava, pineapple, passion forage crops - beans, but potatoes, sweet potatoes	39.8%	93.6%	Post war development of modern agricultural methods for optimal export produce including: Coffee, Tea; cotton, corn, banana, sorghum (2002 data shows 68% of population living in poverty)
British Indian Ocean Territory - Chagos Archipelago	3000	56.13	53.4	#	Development of a marine park in the Indian Ocean	Agriculture : coconut, fish, sugarcane	#	#	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture.
Comoros (Island)	752438	2170	347	\$1,500 (2016 est.)	673 km paved Roadways ; 4 paved Airports ; 2 major Sea Ports	Agriculture : vanilla, cloves, ylang-ylang (perfume oil); Copra agriculture: fishing, hunting, and forestry (accounts for 50% of GDP, employs 80% of the labor force, and provides most of the exports; imports roughly 70% of its food)	49.7%	80.0%	Development improvement of current industries in agriculture, fishing, forestry by investing in and modernizing agriculture (reducing import of food items); develop tourist industry/marina-harbor
Djibouti	828324	23000	22	\$3,400 (2016 est.)	1,379 km paved Roadways ; 100 km Railways ; 3 paved Airports ; one major Sea Port	Mining : gold, granite, limestone and marble; Re-exports from Ethiopia: hides and skins, coffee, scrap metal (Unemployment rate is 60% and as high as 80% among youth)	2.9%	#	Reduce drought/water-scarcity; Investing in and modernizing agriculture (reduce import of food items); Regeneration of harbor and port/marina, improving security of port; develop tourist industry
Eritrea	5647168	121320	47	\$1,300 (2016 est.)	874 km paved Roadways ; 306 km Railway ; 4 paved Airports ; 2 major Sea Ports	Agriculture : coffee, cotton, flowers, high-value nuts, sesame, gums, resins, lentils; Mining : Metallic-gold, silver, copper, zinc, iron, nickel, and chromium. Industrial : Potash, sulphur, gypsum, salt, silica, sand, feldspar, and kaolin. Also marble, granite, chalk, and basalt industry	12.1%	80.0%	Develop fisheries and aquaculturally improvements by adopting modern agricultural practices. Explore volcanic rocks for more minerals. Develop tourist industry and regenerate the harbor/marina
Ethiopia	84320987	1127127	75	\$1,900 (2016 est.)	14,354 km paved Roadways ; 681 km Railway ; 17 paved Airports ; no Ports	Agriculture : coffee (the country's single most important cash crop), tea, sugar, flowers, fruits and vegetables, teff, wheat, maize, beans, peas, lentils, soybeans, chickpeas, starch production, oil crops such as rapeseed, linseed, groundnuts, sunflower, sesame, maize, Niger seed and cotton seed. Fishery and livestock resources	37.0%	72.7%	Developing tourist industry. Expand exploration of gold and base metals, platinum, industrial and construction minerals - notably, potash, diatomite and high-quality ceramics raw materials
Kenya	39002772	582650	66	\$3,400 (2016 est.)	11,189 km paved Roadways ; 3,334 km Railways ; 16 paved Airports ; 2 major Sea Ports	Tourist industry : game reserves (61% GDP). Agriculture : horticulture -cut flowers, fruits and vegetables, both fresh and processed, tea, coffee (unroasted), essential oils, tobacco and tobacco products, fish and fish preparations, animal and vegetable oils; Minerals : iron and steel. Industry : soda ash and articles of plastics.	35.6%	61.1%	Reduce drought/water-scarcity, Investing in and modernizing agriculture. Establish a first class logistics hub for the tourism industry
Madagascar (Island)	20653556	587040	35	\$1,500 (2016 est.)	6,103 km paved Roadways ; 836 km Railway ; 26 paved Airports ; 4 major Sea Ports	Agriculture : 50% of world <u>vanilla</u> , coffee/teas/cocoa, rice beans, fruits/vegetables (apples, pears, berries, lychees; pepper and other products like: corn, potatoes, cassava, and legumes. Industry : exporter of apparel with skilled workforce in the textile sector; fish products. Also has Natural Gas/Oil	24.0%	#	Improve on light industries include food and fish processing, wood industry, bricks manufacturing, traditional art crafts such as embroidery, wood crafts; Explore mineral resources and develop the tourist industry
Malawi	14268711	118480	120	\$1,100 (2016 est.)	6,951 km paved Roadways ; 767 km Railways ; 5 Lake Ports and 7 paved Airports	Agriculture : tobacco, tea, sugar/sugar cane, cotton, rice, groundnuts, textiles and apparels; including other macadamia nuts, handicrafts, chilies, rubber, timber, paprika and pulses	28.3%	64.1%	Irrigation and Water Development, Improve Plan for Fisheries and Aquaculture Activities; Exploration for More Minerals; Develop tourist industry

East Africa: Becoming a Sustainable Economy

Eastern Africa									
Name of Country	Population	Area (km ²)	Population Density (per Km ²)	GDP per Capita (PPP)	Infrastructure	Rich in Natural Resources	GDP Agriculture Composition (%)	Agriculture Labor Force (%)	Expansion of Subsistence Plan
Mauritius (Island)	1284264	2040	630	\$20,500 (2016 est.)	2,149 km paved Roadways ; no Railways ; one major Sea Port ; 2 paved Airports	Agriculture : sugar/sugar cane, cotton/textiles and apparels, and fish/fish products. Tourism	4.1%	8.0%	Agricultural Improvements (Currently Imports 77% of Food Requirements, 2015); Light Industries: Perfumes, Jewelry
Mozambique	21669278	801590	27	\$1,200 (2016 est.)	6,303 km paved Roadways ; 4,787 km of Railway ; 21 paved Airports with one international airport; 3 major Sea Ports	Agriculture : maize, peanuts, sesame, cassava, beans, vegetables, cashew nuts, cotton, tobacco, wood and tropical fruits, especially bananas and mangoes, among others. Minerals : aluminum, beryllium, and tantalum	24.8%	81.0%	Development Plan of Fisheries and Aquaculture Activities; Developing tourist industry; Exploration of Minerals
Rwanda	10473282	26338	398	\$1,900 (2016 est.)	1,207 km of paved Roadways ; one international and 4 paved Airports ; No Railway ; 3 Lake Ports ; and no sea Ports	Agriculture : tea and coffee and pyrethrum, horticultural crops & plants, including various fruits & vegetables; flowers (mainly fresh roses). Essential oils (pyrethrum; patchouli; etc.), stevia, dairy, meat, poultry, and fish (agriculture is 50% of export revenue)	31.5%	75.3%	Improve on Irrigation and modernize agricultural processes. Develop the tourist industry; and explore minerals
Seychelles (A group of 115 Islands)	87476	455	192	\$28,000 (2016 est.)	7 paved Airports ; 514 paved Roadways ; and one major Sea Port	Tourist Industry (70% currency earnings); Agriculture : coconuts, cinnamon, vanilla, sweet potatoes, cassava (manioc, tapioca), copra, bananas; and fishing for tuna. Beverage Industry	2.6%	3.0%	Improve on agriculture products in order to reduce imports. Invest in modernizing agriculture
Somalia	9832017	637657	15	\$400 (2014 est.)	6 Airports with paved runways; 2,608 km paved Roadways ; 2 Sea Ports	Agriculture : livestock (40% GDP), camels (largest Camel population in the world), hides, fish, bananas. Charcoal Industry	60.0%	71.0%	Improve on agriculture products in order to reduce imports (sugar, sorghum, corn). Invest in modernizing agriculture
South Sudan	8260490	619745	13	\$1,700 (2016 est.)	200 km of paved Roadways ; 248 km of Railway ; 3 Airports with paved runways	Agriculture : sorghum, maize, rice, millet, wheat, gum Arabic, sugarcane, mangoes, papayas, bananas, sweet potatoes, sunflower seeds, cotton, sesame seeds, cassava (manioc, tapioca), beans, peanuts; cattle, and sheep. Natural Gas/Oil	#	#	Explore minerals: gold, uranium, iron, copper, and diamonds. Invest in modernizing agriculture
Tanzania	44929002	945087	43	\$3,100 (2016 est.)	7,092 km paved Roadways ; 4,567 km Railways ; 10 Airports with paved runways; 2 major Sea Ports	Agriculture : coffee, sisal, tea, cotton, cashew nuts, tobacco, cloves, corn, wheat, cassava (manioc, tapioca), bananas, fruits, vegetables; cattle, sheep, goats (agriculture, which accounts for more than one-quarter of GDP, provides 85% of exports, and employs about 80% of the work force); agricultural processing (sugar, beer, cigarettes, sisal twine). Mining : diamonds, gold, and iron. Industry : salt, soda ash; cement, oil refining, shoes, apparel, wood products, and fertilizer/pyrethrum (insecticide made from chrysanthemums)	24.5%	66.9%	Developing tourist industry; improve maritime/harbor; and invest in modernizing agriculture
Uganda	32369558	236040	137	\$2,100 (2016 est.)	3,264 km paved Roadways ; 1,244 km Railways ; 5 paved Airports ; 3 Lake Ports	Agriculture : coffee, tea, cotton, tobacco, cassava (manioc, tapioca), potatoes, rice, corn, Sorghum-millet, Plantains/Bananas, pulses, cut flowers; beef, goat meat, milk, poultry, and fish. Industry : cotton textiles, cement, steel production. Mining for gold	25.4%	71.9%	Explore minerals: gold, zinc, wolfram, petroleum, diamond, vermiculite, and silica. Develop the tourist industry. Invest in modernizing agriculture
Zambia	11862740	752614	16	\$3,900 (2016 est.)	9,403 km paved Roadways ; 3,126 km Railways ; 8 paved Airports ; one River Port	Mining : emerald mining, copper and cobalt (70% Export Earnings). Agriculture : coffee, tea, cotton, tobacco, maize; fish and livestock. floriculture and horticulture cut flowers	5.4%	85.0%	Improve on agriculture products in order to reduce imports. Invest in modernizing agriculture. Explore minerals and develop the tourist industry
Zimbabwe	11392629	390580	29	\$2,000 (2016 est.)	18,481 km paved Roadways ; 3,427 km Railways ; 17 paved Airports ; two River Ports	Agriculture : cotton, tobacco; Mining : coal, gold, platinum, copper, nickel, tin, diamonds, clay, numerous metallic and nonmetallic ores, steel. Industry : wood products, cement, chemicals, fertilizer, clothing and footwear, foodstuffs, and beverages	12.5%	66.0%	Improve on agriculture products in order to reduce imports. Invest in modernizing agriculture

Central Africa: Becoming a Sustainable Economy

Central Africa									
Name of Country	Population	Area (km ²)	Population Density (per Km ²)	GDP per Capita (PPP)	Infrastructure	Rich in Natural Resources	GDP Agriculture Composition (%)	Agriculture Labor Force (%)	Expansion of Subsistence Plan
Angola	12799293	1246700	10	\$6,800 (2016 est.)	31 paved Airports , 2852Km, Railways , 5349 paved Roadways , 4 major Sea Ports	Mining/Natural Gas : diamonds, iron ore, phosphates, copper, feldspar, gold, bauxite, uranium. Petroleum/Oil production is 50% of GDP, 70% of government revenue and 90% of the country's export. However half of the country's food is imported.	10.2%	85.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Cameroon	18879301	475440	40	\$3,300 (2016 est.)	11 paved Airports , 987Km Railways , 4108Km of paved Roads , and 2 River Ports	Mining/Natural Gas : bauxite and iron ore. Petroleum/Oil accounts for 40% exports. Industry : timber, and hydropower.	23.0%	70.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Central African Republic	4511488	622984	7	\$700 (2016 est.)	2 paved Airports , 1385Km paved Roadways , 2 River Ports	Subsistence agriculture : cotton, coffee. Mining/Natural Gas : diamonds, uranium, gold, petroleum/oil. Industry : sugar refining, forestry/timber and hydropower.	42.9%	#	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Chad	10329208	1284000	8	\$2,400 (2016 est.)	9 paved Airports , 206Km of urban paved Roadways	Subsistence agriculture : livestock, fish (Lake Chad), cotton, sesame, and sea butter. Mining/Natural Gas : uranium, natron, kaolin, gold, limestone, sand, gravel, salt, and petroleum/oil. Agriculture : sugar, cocoa, and coffee.	57.8%	80.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Republic of the Congo	4012809	342000	12	\$6,700 (2016 est.)	8 paved Airports , 510Km Railways , 1212Km of paved Roadways , and 1 major Sea Port	Mining/Natural Gas : potash, lead, zinc, uranium, copper, phosphates, gold, magnesium and petroleum/oil. Industry : timber and hydropower.	8.7%	35.4%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Democratic Republic of the Congo	69575000	2345410	30	\$800 (2016 est.)	26 paved Airports , 4007Km Railroads , 2794Km paved Roadways and 1 major Sea Port	Mining/Natural Gas : cobalt, copper, niobium, tantalum, industrial and gem diamonds, gold, silver, zinc, manganese, tin, uranium, coal and petroleum/oil. Industry : hydropower and timber. Agriculture :	21.1%	#	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Equatorial Guinea	633441	28051	23	\$38,700 (2016 est.)	6 paved Airports , and 3 major Sea Ports	Mining/Natural Gas : gold, bauxite, diamonds, tantalum, sand and gravel, clay and petroleum/oil. Industry : Timber.	2.3%	#	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
Gabon	1514993	267667	6	\$19,100 (2016 est.)	14 paved Airports , 649Km Railways , 1097Km paved Roadways , and 3 major Sea Ports	Mining/Natural Gas : diamond, niobium, manganese, uranium, gold, iron ore and petroleum/oil. Industry : hydropower and timber.	4.3%	64.0%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture
São Tomé and Príncipe	212679	1001	212	\$3,100 (2016 est.)	2 paved Airports , 218 Km paved Roadways , and one major Sea Port	Agriculture : fish, cocoa, coffee, and palm oil. Industry : hydropower.	12.1%	26.1%	Improve on Agriculture products in order to reduce imports. Invest in modernizing agriculture



South Africa: Becoming a Sustainable Economy

Southern Africa									
Name of Country	Population	Area	Population Density (per Km ²)	GDP per Capita (PPP)	Infrastructure	Rich in Natural Resources	GDP Agriculture Composition (%)	Agriculture Labor Force (%)	Expansion of Subsistence Plan
Botswana	1990876	600370	3	\$17,000 (2016 est.)	6,116 km paved Roads; 888 km Railways; 10 Airports with paved runways	Mining: diamonds copper, nickel, salt, soda ash, potash, coal, iron ore, silver; Agriculture: livestock/beef processing; Industry: textiles.	1.8%	#	Reduce drought/decrease water-scarcity; Invest in modernizing agriculture, and improving tourism
Lesotho	2130819	30355	70	\$3,100 (2016 est.)	1,069 km paved Roads; 3 Airports with paved runways	Mining: diamonds (85% Export Earnings), copper, nickel, salt, soda ash, potash, coal, iron ore, silver; Agriculture: livestock, sorghum, maize, millet, beans, sunflowers, groundnuts; Industry: textiles.	5.4%	86.0%	Reduce drought/decrease water-scarcity; Invest in modernizing agriculture, exploration of minerals; and tourism. Currently imports 90% of the goods especially food from South Africa
Namibia	2108665	825418	3	\$11,800 (2016 est.)	6,387 km paved Roads; 2,628 km of Railways; 19 Airports with Paved Runways; 2 Major Sea Ports	Agriculture: corn, wheat, pulses, sorghum, barley; livestock (86% of Labor Force work as farmers); Industry: textiles (Manufacture clothing, footwear), wool and mohair; Mining: diamond (8.5% to GDP, 2015).	6.2%	31.0%	Reduce drought/decrease water-scarcity; Investing in modernizing agriculture. Improve Maritime/Harbor (30%-40% of its revenues from the Southern African Customs Union -SACU) and improve tourism
South Africa	51770560	1219912	42	\$13,200 (2016 est.)	158,952 km paved Roads; 20,986 km Railways; 144 Airports with paved runways; 5 Major Sea Port (with one main import terminal)	Mining: diamonds, lead, zinc, tin, silver, tungsten, uranium -world 5th producer of uranium, copper; gold (11.5% of GDP).	2.4%	4.6%	Invest in modernizing agriculture. Currently imports most of its food. Develop hydroelectric plants in order to stabilize power
Swaziland	1123913	17363	65	\$9,800 (2016 est.)	1,078 km paved Roads; 301 km Railway; 2 Airports with paved runways	Mining: world's largest producer of platinum, gold, chromium. Agriculture: sugar, timber, cotton yarn, citrus (Agriculture -70% Labor Force. Industry: automobile assembly, metalworking, machinery, textiles, iron and steel, chemicals, fertilizer, foodstuffs, commercial ship repair, soft drink concentrates; refrigerators and canned fruit. Finance: stock exchange that is Africa's largest and among the top 20 in the world. Unemployment rate of 40%. Unemployment, poverty, and inequality among the highest in the world -25% of the workforce are unemployed. Unemployment count is highest among black youth.	6.3%	10.7%	Reduce drought/decrease water-scarcity. Explore minerals including gold, diamonds, platinum, coal, iron ore, and quarry. Develop hydroelectric plants with neighboring countries i.e. Mozambique in order to stabilize power while reducing petroleum product imports. Develop tourism industry



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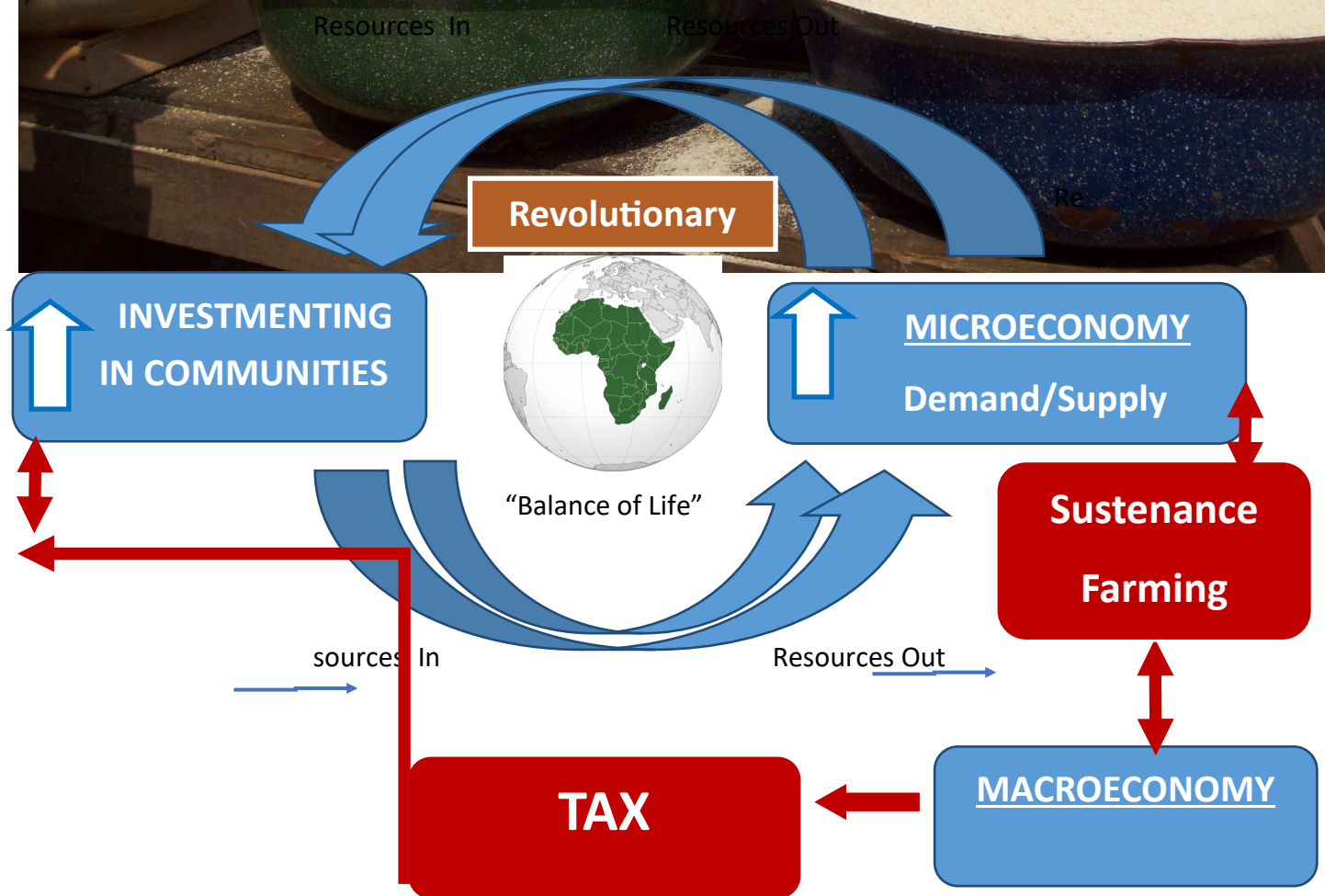
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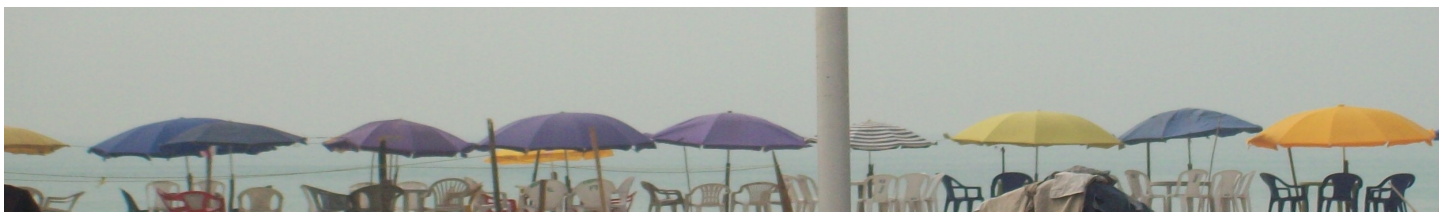
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