

Texans Sparking the World

Papua New Guinea Energy Evolution Plan

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Papua New Guinea



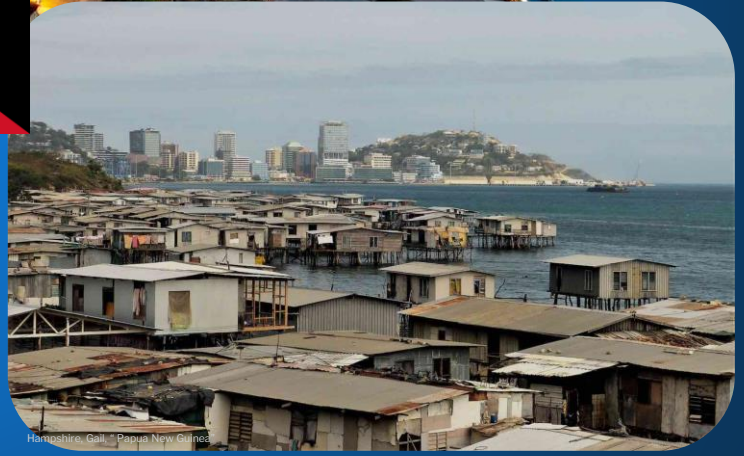
Knitt, Michael, "Wabag, Papua New Guinea"



Guinea*

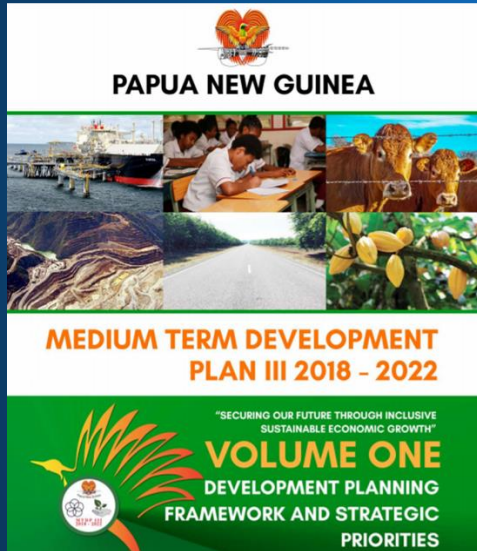


Axel Flack, "Night in PNG"

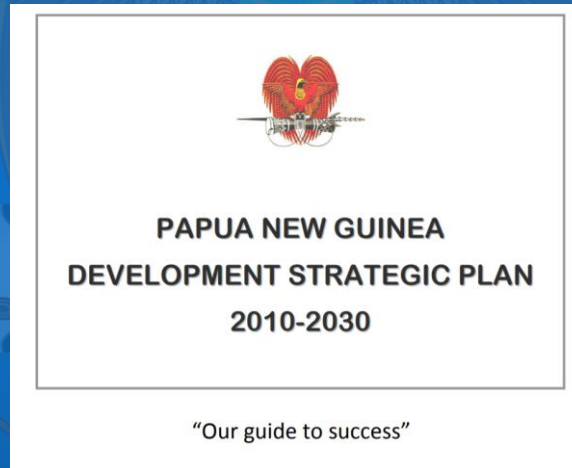


Hampshire, Gall, "Papua New Guinea"

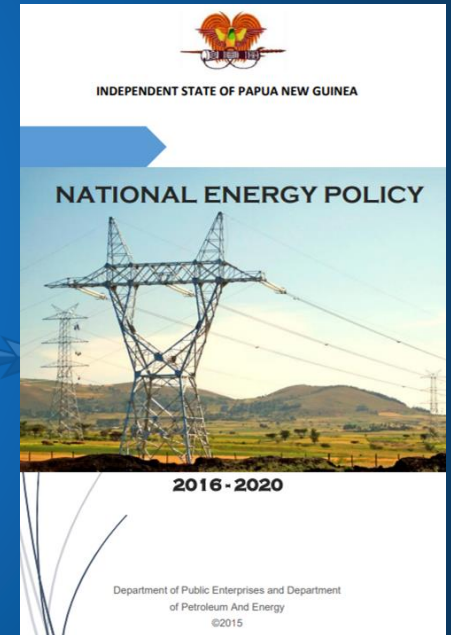
Extensive Documentation and Government Initiatives



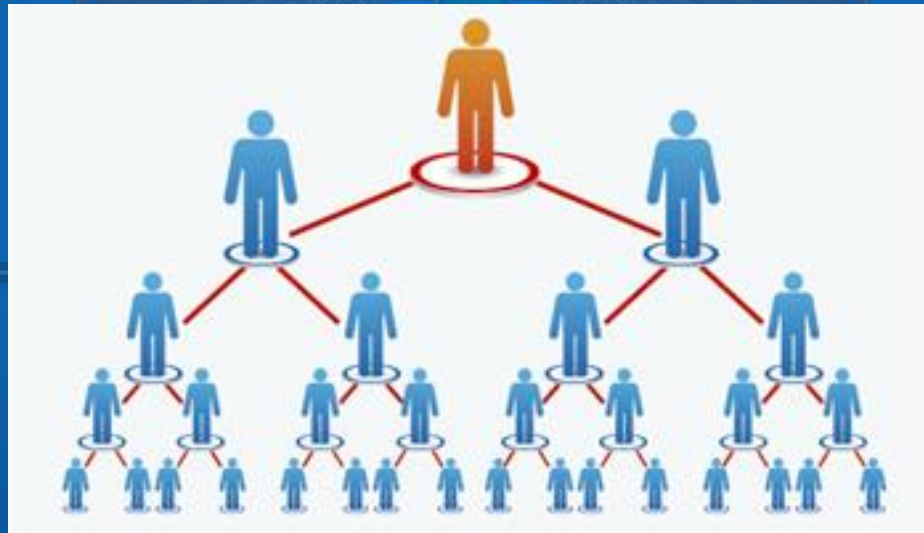
"Medium Term Development Plan" PNG Department of National Planning & Monitoring



Papua New Guinea Development Strategic Plan, Department of National Planning and Monitoring, Port Moresby, March 2010



Transition to Multi-level Planning



"Multi-level marketing", Nexia Business Solutions

Government and Society

Drive New Rural Infrastructure

Improve Existing Urban Infrastructure





Tax incentives in sustainable energy and
Carbon tax for non-renewables usage



"Papua New Guinea Travel Guide", <https://www.worldtravelguide.net/guides/oceania/papua-new-guinea/>



Discover Tribal Culture in Papua New Guinea", <https://blog.goway.com/globetrotting/2016/02/discover-tribal-culture-in-papua-new-guinea/>

Goal: Energy independence and sustainability
with focus on **preservation of culture and local
resources**

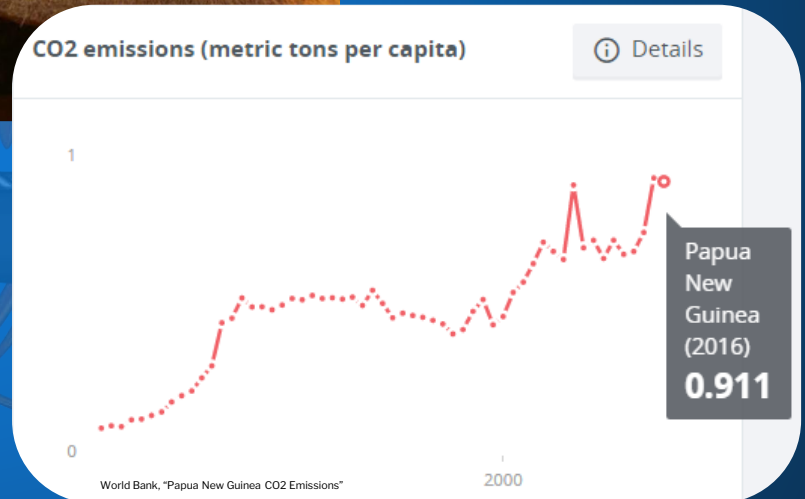
Natural Resources

- Creativity in Generation
 - Hydroelectric from Abundance of Rivers
 - Geothermal from Volcanoes
 - Natural Gas



Environmental Impact

- Reduced Emissions
- Clean Energy Solutions
- Effects on People



Communities

Type 2
Angoram

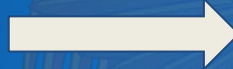
Type 3
Madang
Province

Type 1
Lae

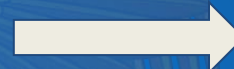
1. Google Maps, "Sausi Village, Angoram"
2. Peter Boyd, "Ships line up at Lae Port"
3. Oakland Institute, "Madang Province Village"
4. Map Sherpa, "Papua New Guinea"

Papua New Guinea Energy Evolution Plan

Phase One:
Consolidation
(2020-2025)



Phase Two:
Construction
(2025-2030)



Phase Three:
Expansion
(2030-2040)



Phase 1 - Consolidation (2020-2025)

Goal: Ensure Reliable Energy (>90%) for those connected

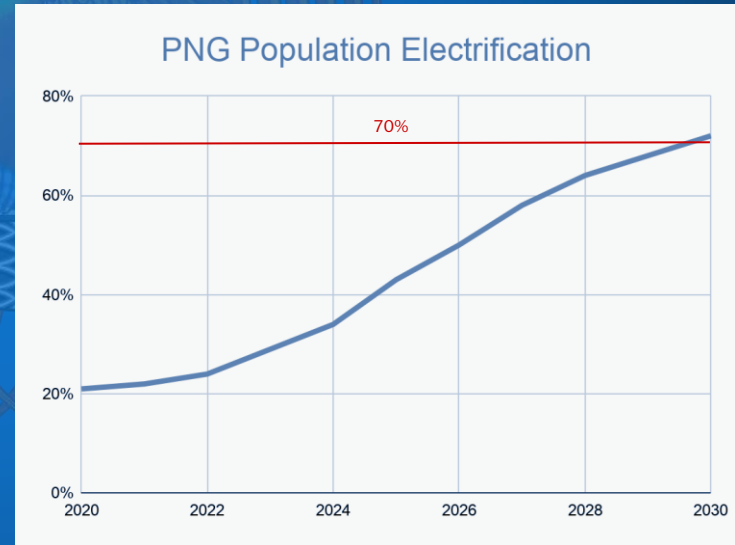
1. Generation and Infrastructure Improvement
2. Training Programs
3. Energy Outreach



Phase 2 - Construction (2025-2030)

Goal: 70% of Population Supplied

1. Economic Corridor Construction
2. Distributed Energy Incentive Initiative (DEII)
3. Template Plans



Phase 3 - Expansion (2030-2040)

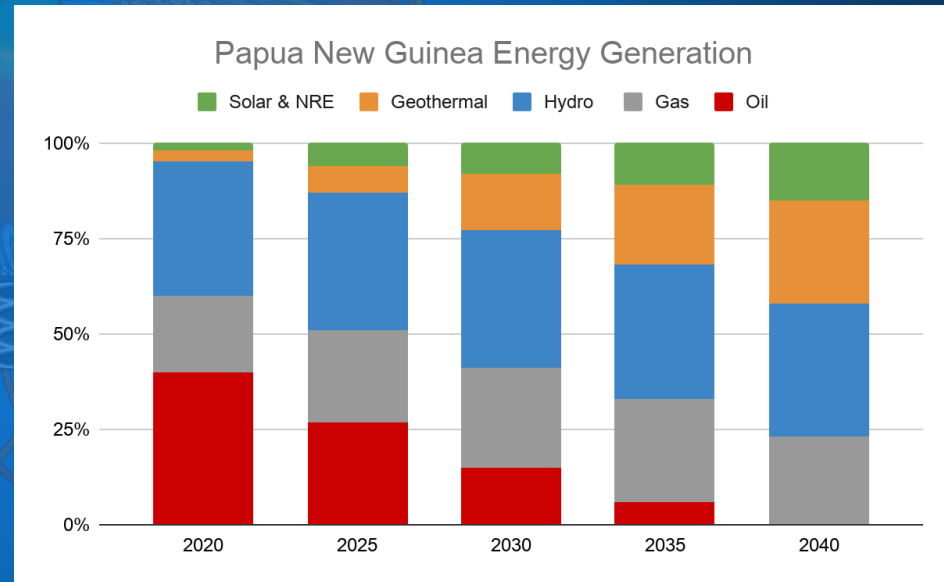
Goal: Modern and Stable Energy for **90%** of the Population

1. Grid and Infrastructure Expansion

1. Rural Power Construction

1. Generation Diversification

1. Review and Additional Plans



Economics

- Government Tax Incentives for Phase 1
- Reliable foundation



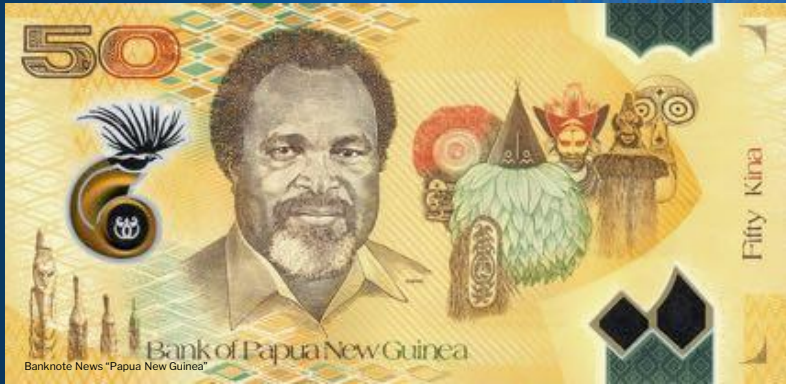
Economics

- Distributed Energy Incentive Initiative
- Long-term oriented

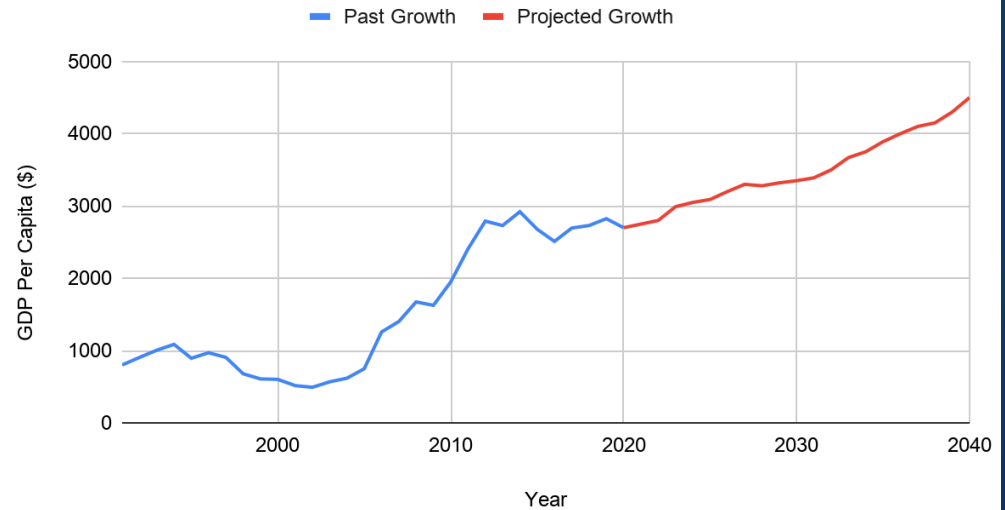


Economics

- Economic Engine development
- Foreign Company Presence



GDP Per Capita vs. Year



Economics

- Employment opportunities
- Quality of life



International Finance Corporation "300 Days of Sunshine"



KeniaWorldImages - Great Smile

Health

- Living Conditions in Cities versus Villages
 - Crime and rapid spread of disease in Cities
 - Lack of Medical Availability in Small Villages



Health Solutions

- Urban Areas
- Rural Areas
- Overall Adaptability



Conclusion

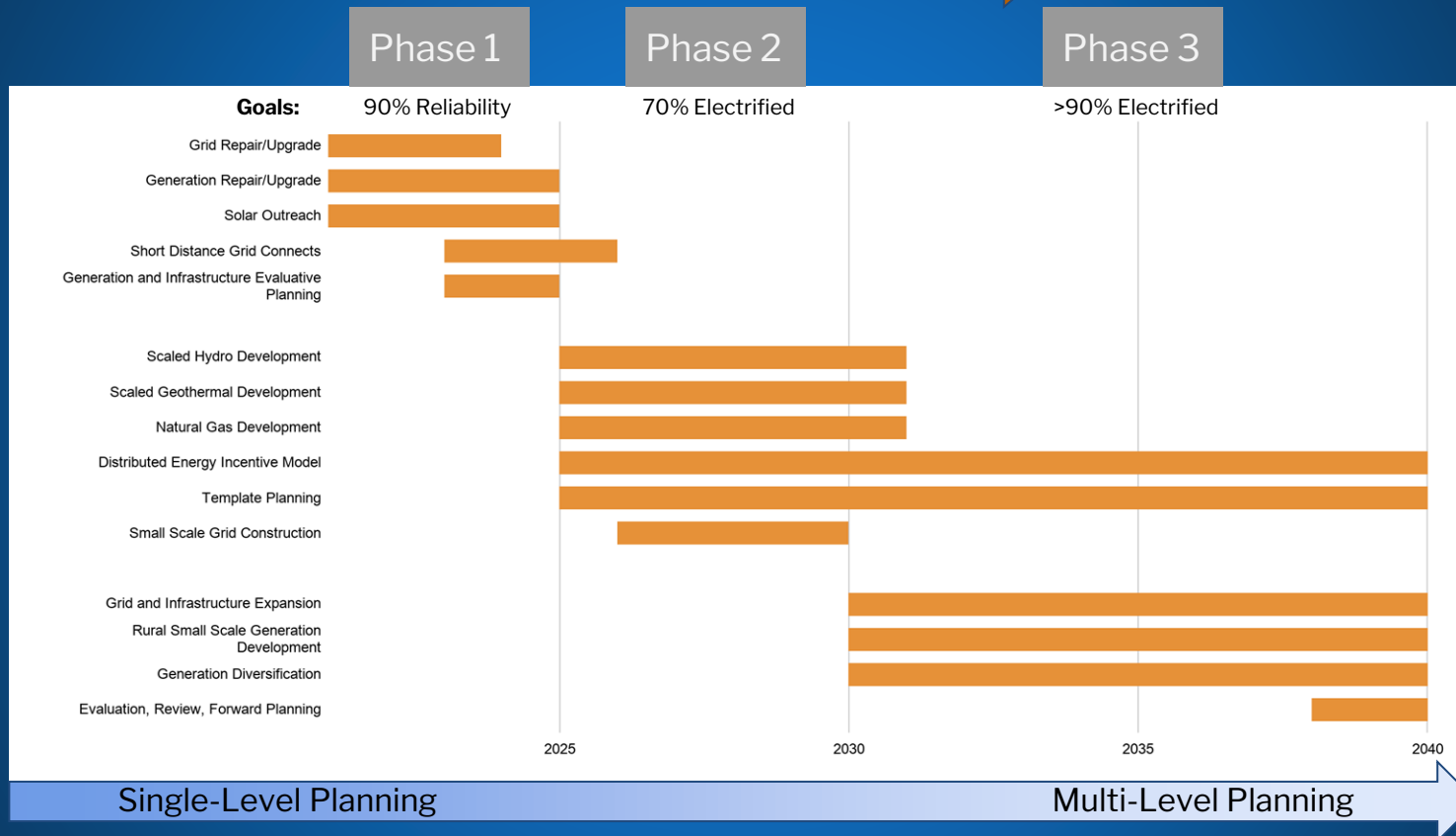
- Evolution not Revolution
- Decentralized Economy = Decentralized Solution
- Energy Sparks the Future



Thank You



Dynamic Planning



Corruption



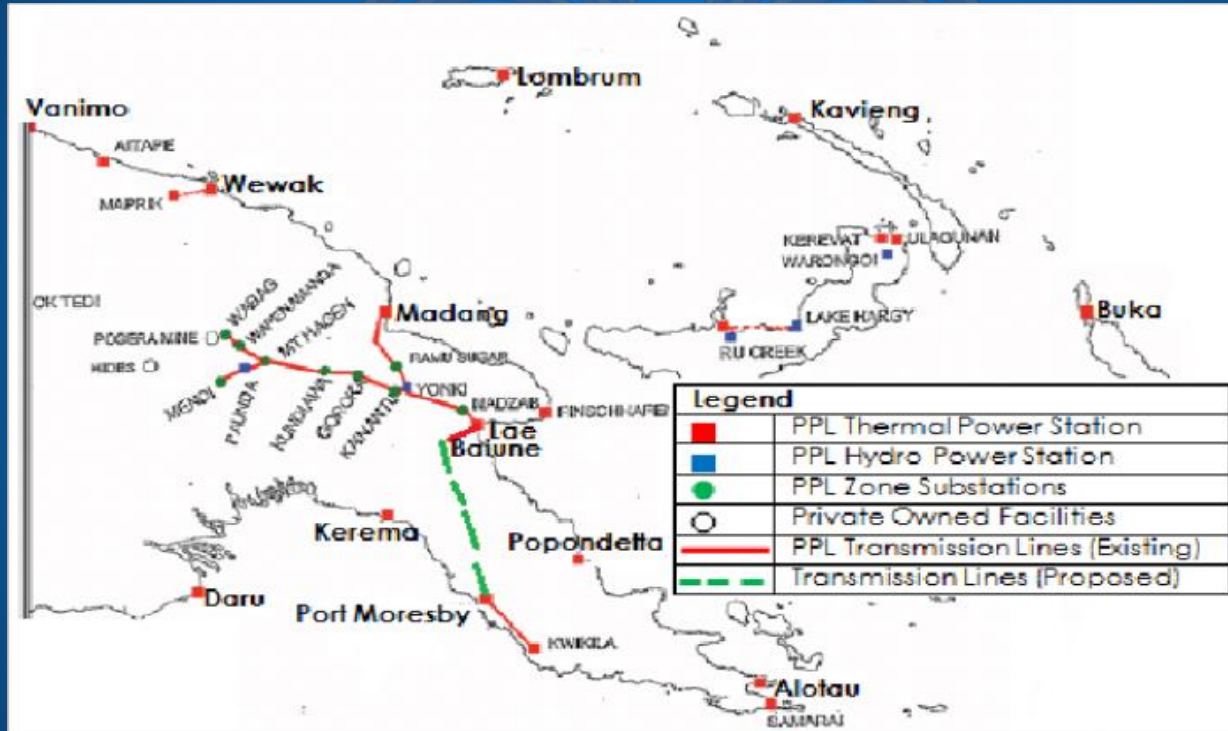
SCORE	COUNTRY/TERRITORY	RANK	SCORE	COUNTRY/TERRITORY	RANK
87	New Zealand	1	38	Sri Lanka	93
85	Singapore	4	38	Timor-Leste	93
77	Australia	12	37	Vietnam	96
74	Hong Kong	16	36	Thailand	101
72	Japan	20	34	Mongolia	106
68	Bhutan	25	34	Nepal	113
65	Taiwan	28	34	Philippines	113
60	Brunei	35	32	Pakistan	120
59	Darussalam	39	29	Laos	130
53	Malaysia	51	29	Maldives	130
48	Vanuatu	64	28	Myanmar	137
42	Solomon Islands	77	26	Papua New Guinea	137
41	China	80	26	Bangladesh	146
41	India	80	20	Guatemala	146
40	Indonesia	85	17	Honduras	146
			16	Iran	146
			16	Mozambique	146
			16	Nigeria	146
			25	Cameroon	153
			25	Central African Republic	153
			25	Tajikistan	153
			25	Uzbekistan	153
			24	Zimbabwe	158
			23	Eritrea	160
			22	Nicaragua	161
			20	Cambodia	162
			20	Chad	162
			20	Iraq	162
			19	Burundi	165
			19	Congo	165
			19	Turkmenistan	165
			18	Democratic Republic of the Congo	168
			18	Guinea Bissau	168
			18	Haiti	168
			18	Libya	168
			17	Korea, North	172
			16	Afghanistan	173
			16	Equatorial Guinea	173
			16	Sudan	173
			16	Venezuela	173
			15	Yemen	177
			13	Syria	178
			12	South Sudan	179
			9	Somalia	180

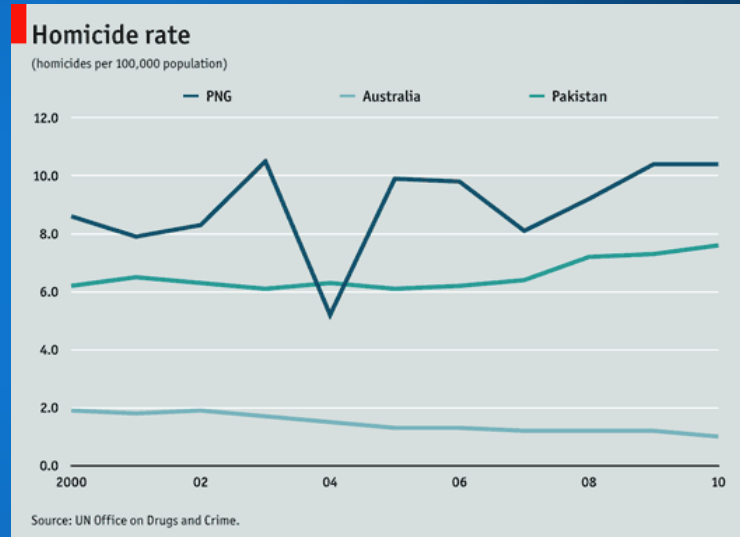
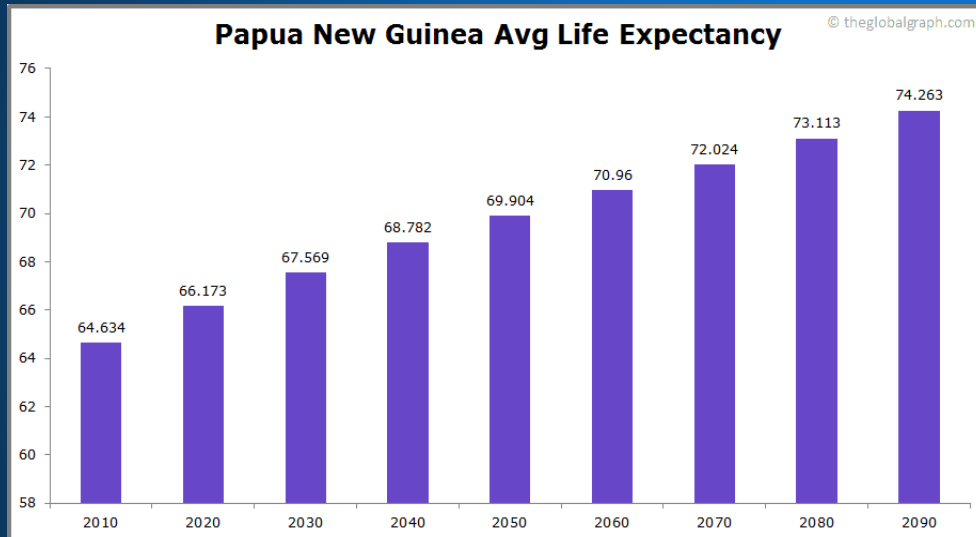
#cpi2019

www.transparency.org/cpi

39	Serbia	91	34	Kazakhstan	113	28	Dominican Republic	137	24	Zimbabwe	158
39	Turkey	91	34	Nepal	113	28	Kenya	137	23	Eritrea	160
38	Ecuador	93	34	Philippines	113	28	Lebanon	137	22	Nicaragua	161
38	Sri Lanka	93	34	Eswatini	113	28	Liberia	137	20	Cambodia	162
38	Timor-Leste	93	34	Zambia	113	28	Mauritania	137	20	Chad	162
37	Colombia	96	33	Sierra Leone	119	28	Papua New Guinea	137	20	Iraq	162
37	Ethiopia	96	32	Moldova	120	28	Paraguay	137	19	Burundi	165
37	Gambia	96	32	Niger	120	28	Russia	137	19	Congo	165
37	Tanzania	96	32	Pakistan	120	28	Uganda	137	19	Turkmenistan	165
37	Vietnam	96	31	Bolivia	123	28	Angola	146	18	Democratic Republic of the Congo	168
36	Bosnia and Herzegovina	101	31	Gabon	123	26	Bangladesh	146	18	Guinea Bissau	168
36	Kosovo	101	31	Malawi	123	26	Guatemala	146	18	Haiti	168
36	Panama	101	30	Azerbaijan	126	26	Honduras	146	18	Libya	168
36	Peru	101	30	Djibouti	126	26	Iran	146	17	Korea, North	172
36	Thailand	101	30	Kyrgyzstan	126	26	Mozambique	146	16	Afghanistan	173
35	Albania	106	30	Ukraine	126	26	Nigeria	146	16	Equatorial Guinea	173
35	Algeria	106	29	Guinea	130	26	Sudan	173	16	Venezuela	173
35	Brazil	106	29	Laos	130	25	Cameroon	153	15	Yemen	177
35	Cote d'Ivoire	106	29	Maldives	130	25	Central African Republic	153	13	Syria	178
35	Egypt	106	29	Mali	130	25	Tajikistan	153	12	South Sudan	179
35	North Macedonia	106	29	Mexico	130	25	Uzbekistan	153	9	Somalia	180
35	Mongolia	106	29	Myanmar	130	25	Madagascar	158			
34	El Salvador	113		Togo	130						

Grid and Generation





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