

# Upgrading unsustainable urban development: context matters

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I would like to recognise and pay respect to the Motu and Koita peoples past and present on whose land we meet and to their contribution to the development of Port Moresby.

Photo: R Weber [www.oldplantation.com.pg](http://www.oldplantation.com.pg)

# Developing World stuck with unsustainable development

## Colonial & Development Aid legacy

- Laws and BAU policy & planning
- Ignores externalities of economic growth and sustainable development

## PNG Constitution

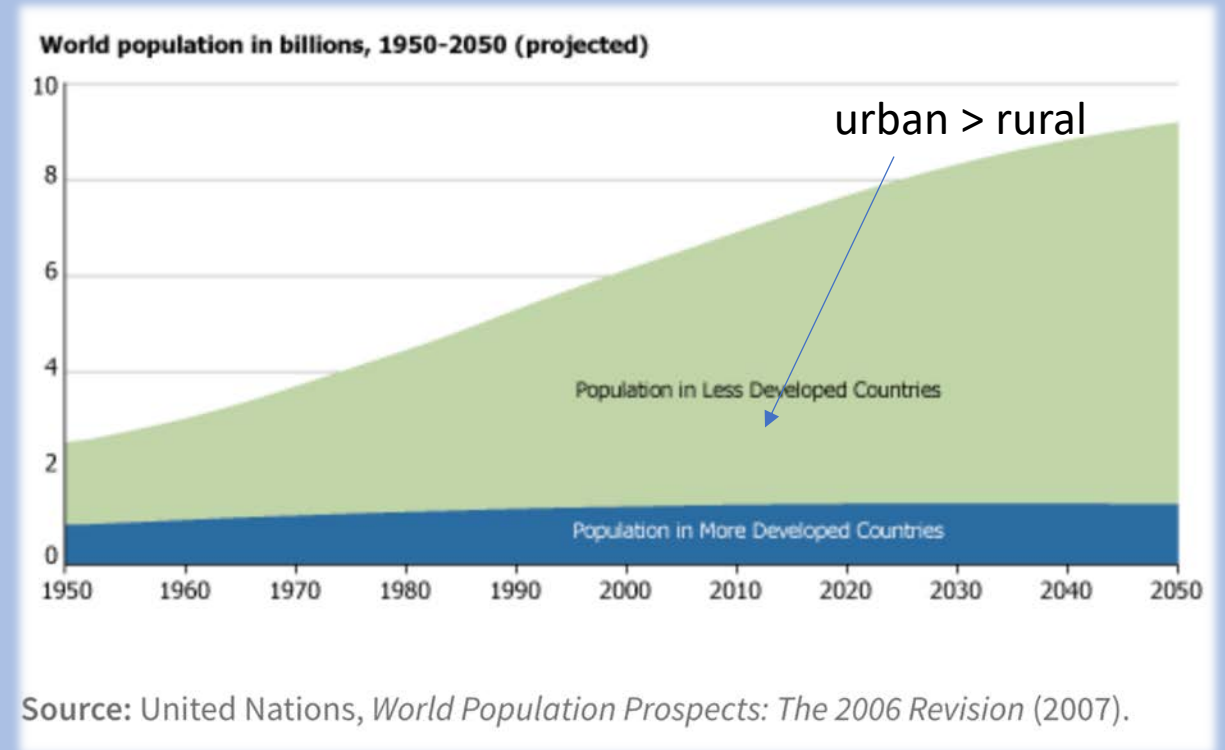
- Participation, consultation, consensus

## Mama Graun Tribal Charter

- nation building starts with people building

## *Our Common Future* (WCED 1987)

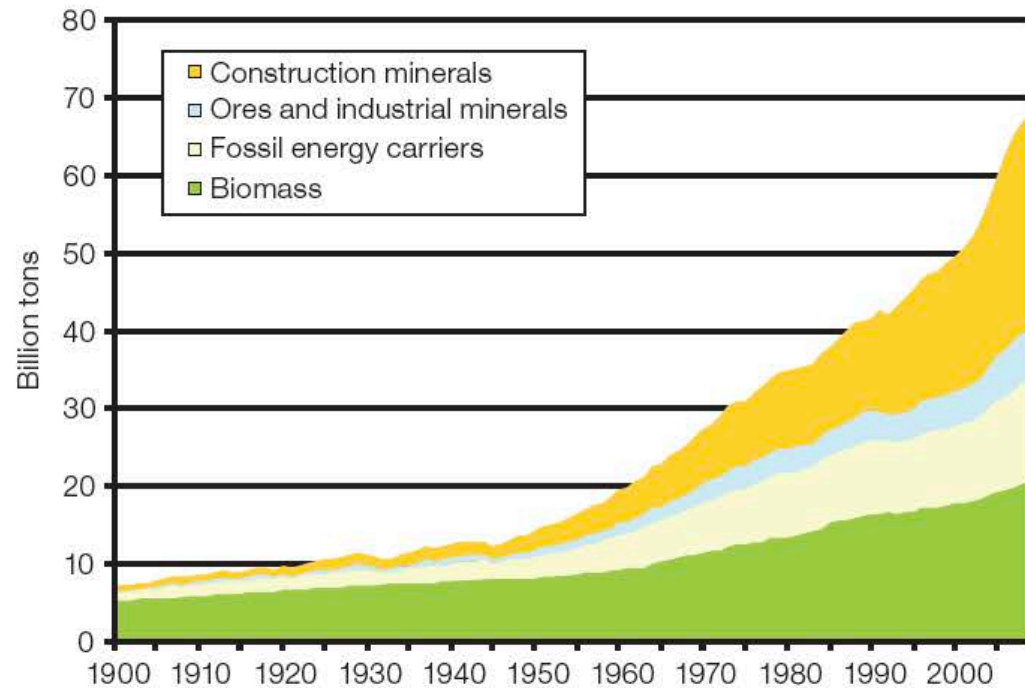
- Poverty, natural resource depletion, environmental destruction & climate change



sustainable development requires that societies meet human needs to increasing productive potential and by ensuring equitable opportunities for all

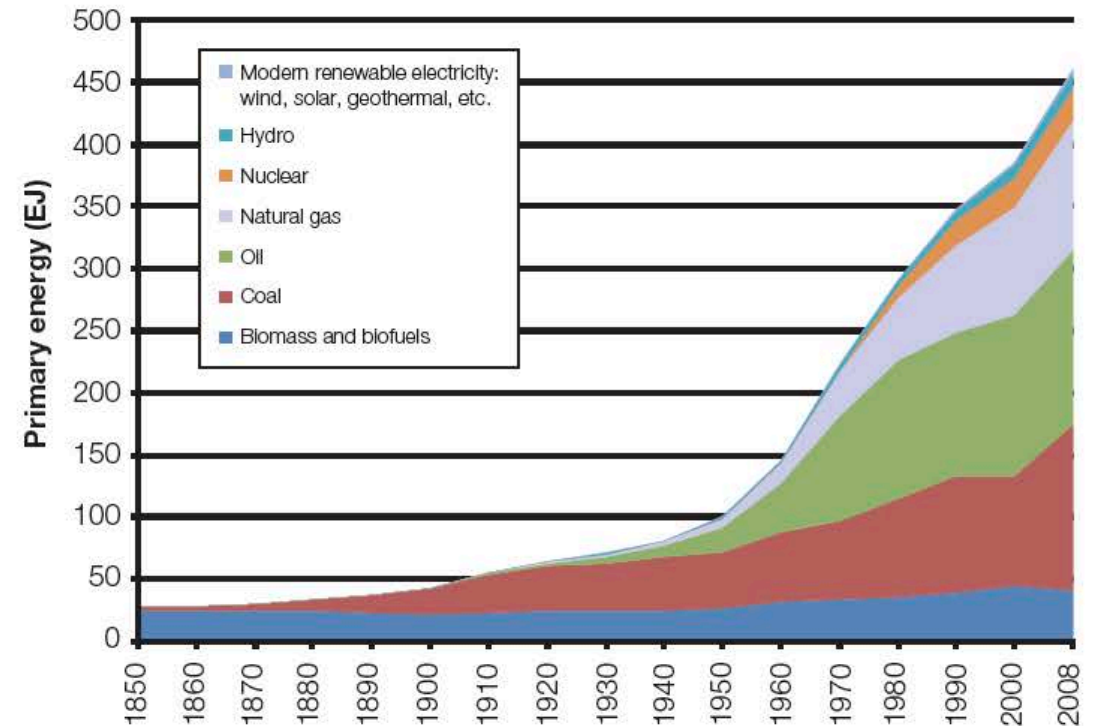
# BAU approach contributing to unsustainability

## Material use



Source: F. Krausmann et al. (2009), Growth in global materials use, GDP and population during the 20<sup>th</sup> century, *Ecological Economics*, 68, updated to 2009.

## Energy



Source: A. Grübler, 2008, "Energy transitions." in *Encyclopedia of Earth*.



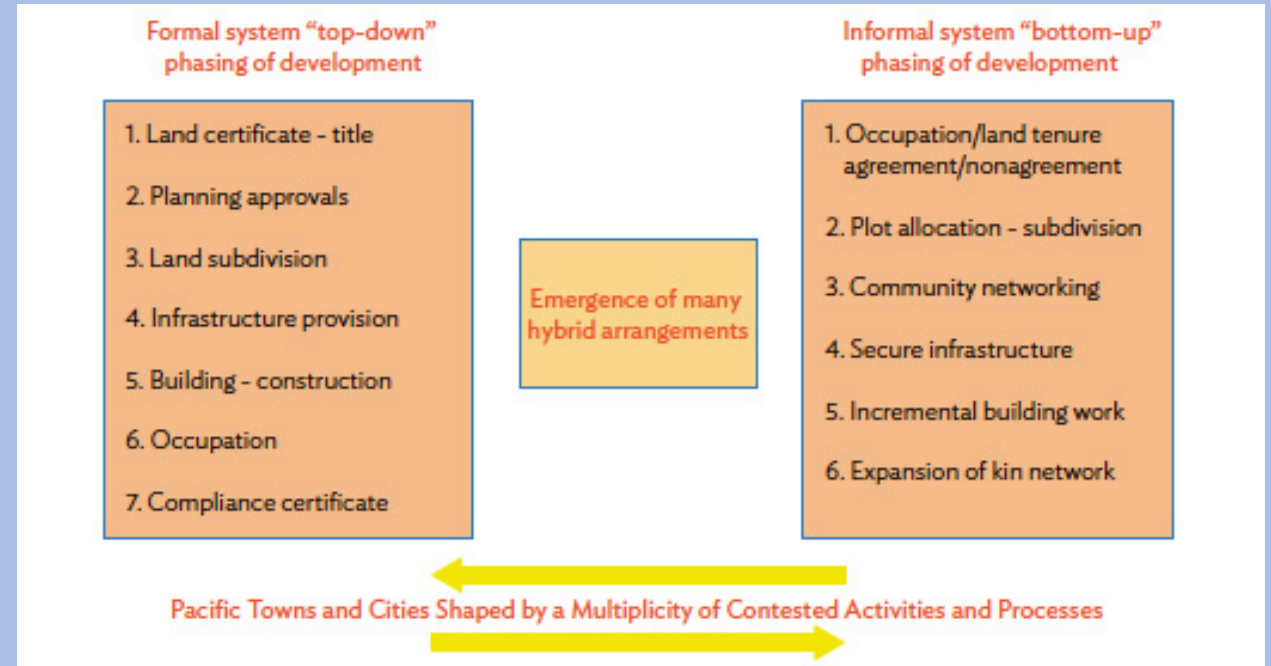
# UN-Habitat PARTICIPATORY citywide upgrading

SDG 11 - make cities & human settlements inclusive, safe, resilient & sustainable

## UN-Habitat Citywide Upgrading Strategy

- include settlements & villages in urban development plan
- upgrade incrementally with employment & local economic development
- invest in social capital for cohesion & organizational resources

## Reality



Pacific Urban Forum Report 2015 Towards a New Pacific Urban Agenda

NCD Governor: *Settlements to Suburbs*

Amazing Port Moresby: One City, One People, One Future Master Plan (pending)

# Port Moresby Context

## Urban development - reactive

- Accurate data lacking
- Urbanisation Policy & ~~Office of Urbanisation~~
- Urban customary land – ILG failure
- Administrative and planning dysfunction<sup>1</sup>
- Inadequate access to water, power, sanitation, waste collection
- Piecemeal and divisive

## Population & development

- around 1 million with around half living in settlements & villages<sup>2</sup>
- Youth, poverty, unemployment
- TVET, UYEP, Ginigoada
- Self-development – Faith-based orgs & NGOs



Photo: 4 Mile settlement. Busa Jeremiah Wenogo. Upgrading settlements: A better solution than bulldozers & guns. Keith Jackson & Friends 12 Jan 2019.

<sup>1</sup> Walter et al. 2016 Improving Urban Development NRI

<sup>2</sup> World Bank Group 2015 Unsettled: Water and Sanitation in Urban Settlement Communities of the Pacific

# PROACTIVE – attend to the basics

- How will urban poor pay and is it sustainable?
- JICA Tertiary treated sewage
- Edu Ranu (& PNG Power) still building demand capacity & Edu Ranu not able to collect the cost of 50% of what is supplied

## Develop sustainable low-cost options

- affords skills & jobs and added value to PNG resources
  - compost toilets/tanks/roofing
  - biomass stoves
  - solar power
  - recycling organic and reusable resources