A new scenarios framework for equitable and climatecompatible futures

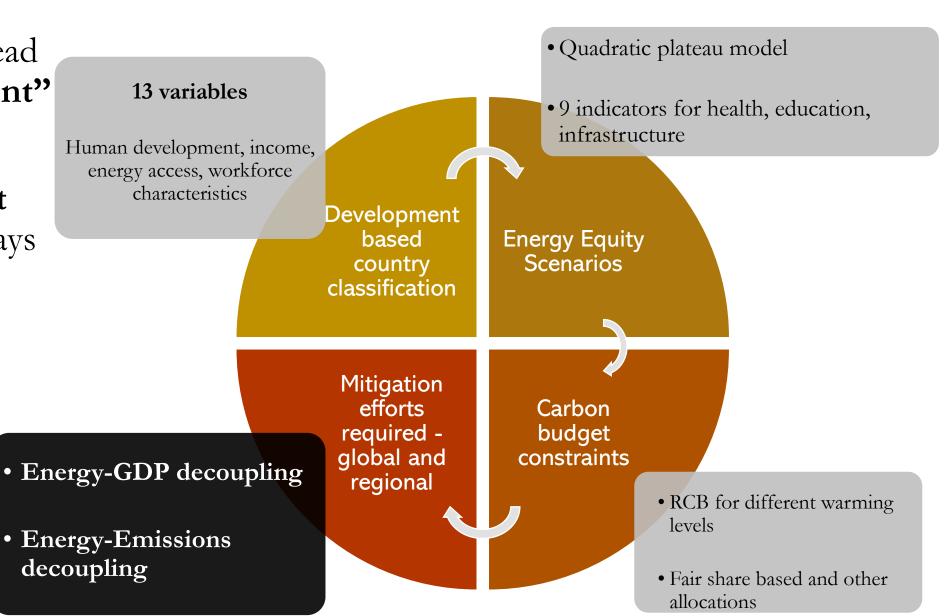
Tejal Kanitkar, NIAS (India)

with

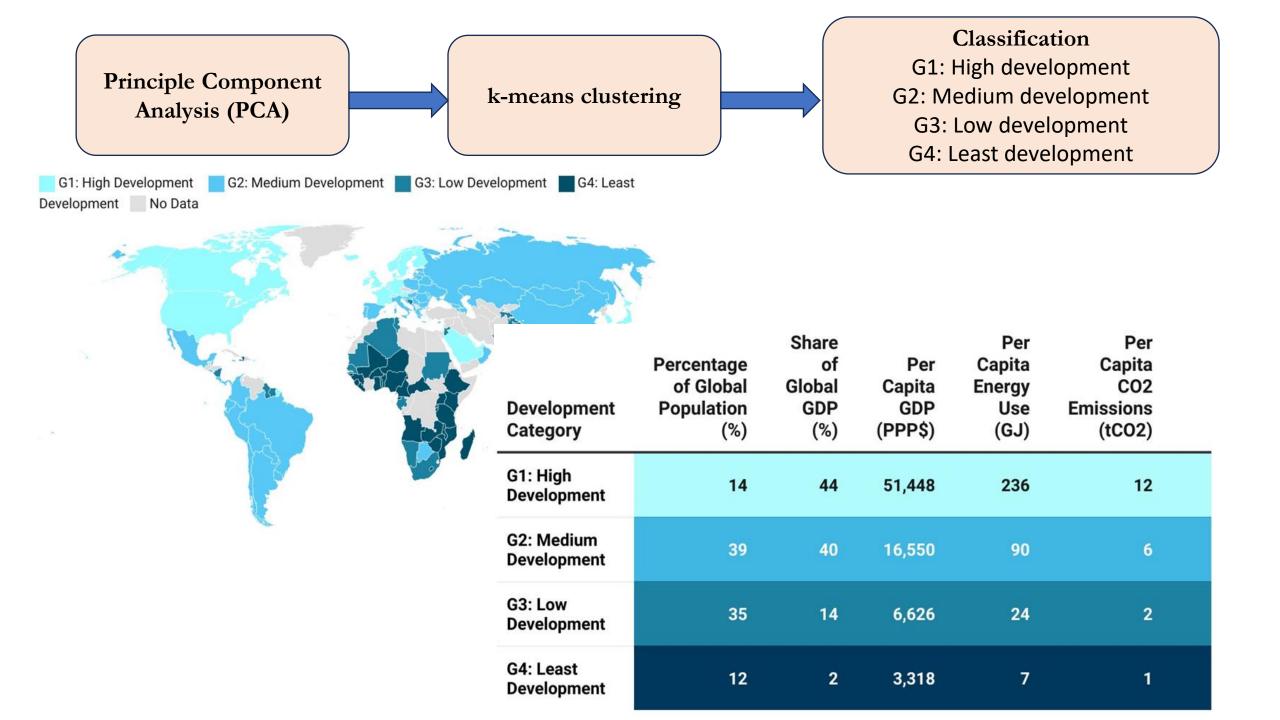
Ankita Ranjan and T. Jayaraman

Ranjan, A., Kanitkar, T., & Jayaraman, T. (2023, September 12). A New Scenario Framework for Equitable and Climate-Compatible Futures. https://doi.org/10.31219/osf.io/ge92t Begin with what is "necessary", instead of what is "efficient"

• Explore the "most equitable" pathways to climate action, instead of the "cheapest" ones.

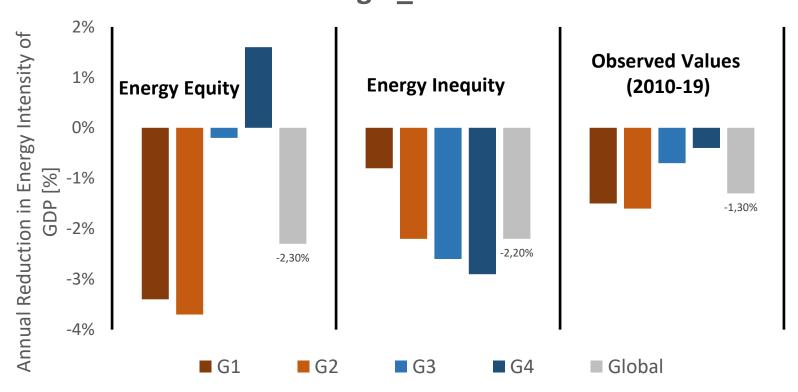


04-06-2024



Results

Energy-GDP Decoupling (2020-2050) – 1.5 deg.C_50%



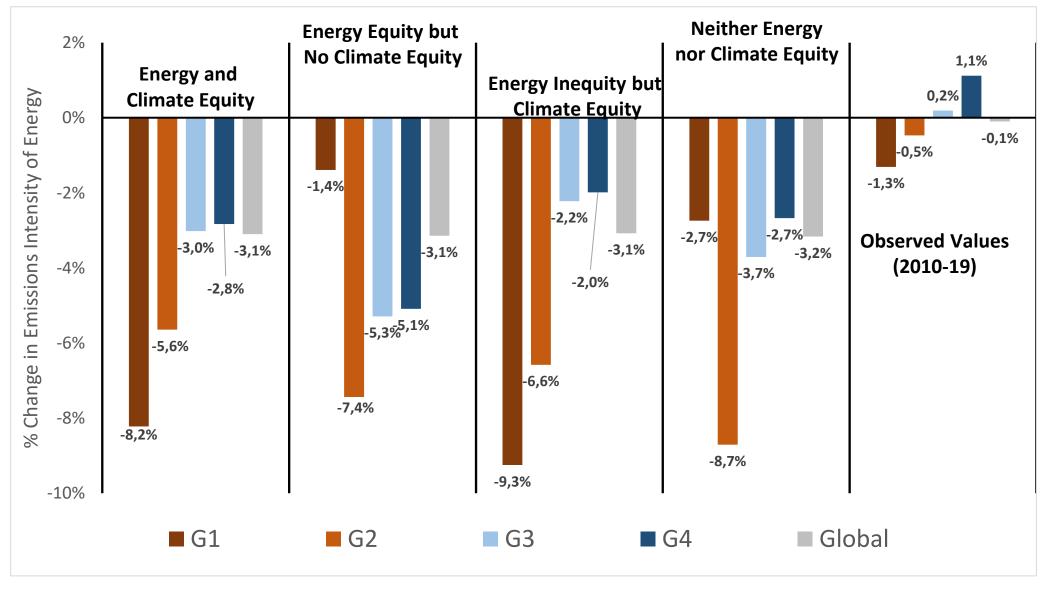
GDP Scenarios

Scenarios for Energy Targets

- Equity: Convergence to 94 ±15 (Author's estimates)
- **Inequity:** Current Inequity continues with minor increases for G3 and G4 (IPCC)
- Per capita GDP of all development categories must at least be \$28,000 by 2050
 - Degrowth assumptions possible but not considered here due to intra-country implications

Results

Energy-Emissions Decoupling (2020-2050) – 1.5 deg. C_50%



Same global effort but differentiated across regions based on equity considerations