

## Selected Examples of More Specific Global Modeling Indicators

- Economic Flows (actual, yearly change)
  - Capital
  - Goods/services
  - Inflation/unemployment/underemployment rates (by key sectors)
  - Budget as % GNP, Budget deficit/surplus as % GNP
  - Exchange rates; interest rates (short, long term)
  - Commodity rates
  
- Economic Well-being (actual, yearly change)
  - Liquidity of capital
  - Debt repayment capability (ratio of external debts to total assets)
  - Diversity of assets (use portfolio beta)
  - Critical resource sufficiency (fuel, food, medicine, acceptable housing, key stocks for industrial processes) - % self sufficiency
  - Distribution of social wealth by tier
  - % of wealth relative to % of population of world
  - Educational level by tier
  - Health level by tier (longevity)
  - Caloric intake average by tier
  - Corruption index (degree of corruption among governing class)
  - % assets under control by external entities
  
- Political power / Values sharing
  - % political prisoners
  - Number of political parties with seats in legislature
  - Degree of judicial independence
  - Crime rates
  - Age distribution by ethno/religious groups
  - Population growth rate by demographic group
  - Number of years incumbency of key officials/leaders
  - Average incumbency of last 4 leaders
  - % representation in senior positions by ethno/religious group
  - Yearly change % representation versus economic wealth
  - Immigration/emigration rates by group
  - Military expenditure rate at %GNP and yearly changes from prior 2 years
  - % people in military/national police
  - % military deployed on border, outside borders; yearly change from prior year
  - Preferred values by group (based on 'official creed') and dissonance measured by statistical sample surveys of group members
  - Hostility incidents index
  - Military/civilian deaths from hostile actions
  - Historical enmity/amity index
  - Authority figures (internal, external)
  - Information imports/exports
  - Information production (authoring, books, periodicals, cinema)
  - Size of the armed forces; actual and yearly changes from prior 2 years
  - Energy consumption; actual and yearly changes from prior 2 years
  - Total population; actual and yearly changes from prior 2 years
  - Urban population; actual and yearly changes from prior 2 years
  - Diplomatic representation in foreign countries and international organizations

- Eco-climatic
  - Geologic risk (earthquake, volcano)
  - Climatic variability (rainfall, temperature)
  - Land consumption for population vs food vs other biota
  - Pollution levels (air, water)
  - Water level changes of key waterways/bodies
  - Non human species distribution and population growth rates
  
- Violent conflict (actual and yearly changes from prior 2 years)
  - Internal wars underway
  - International wars underway
  - Serious ("militarized") international disputes underway .