



T21 Millennium Institute

Systems Know-How and Tools to wise, inclusive and equitable SDGs 2.0

Technical Workshop on Tools and Measures to Inform Inclusive Green Economy Policies UNEP, UNDP, UNDESA, UNCSD

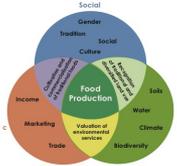
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The Millennium Institute

- **MI was established in 1983 as a not for profit organizations to promote holistic, long-term strategic planning using SD models at local, national, regional and global levels**
- **MI provides know-how and integrated tools to empower countries and development agencies in making their own informed policy decisions in the framework of the three sustainable development dimensions**

MI's T21 based activities and partners



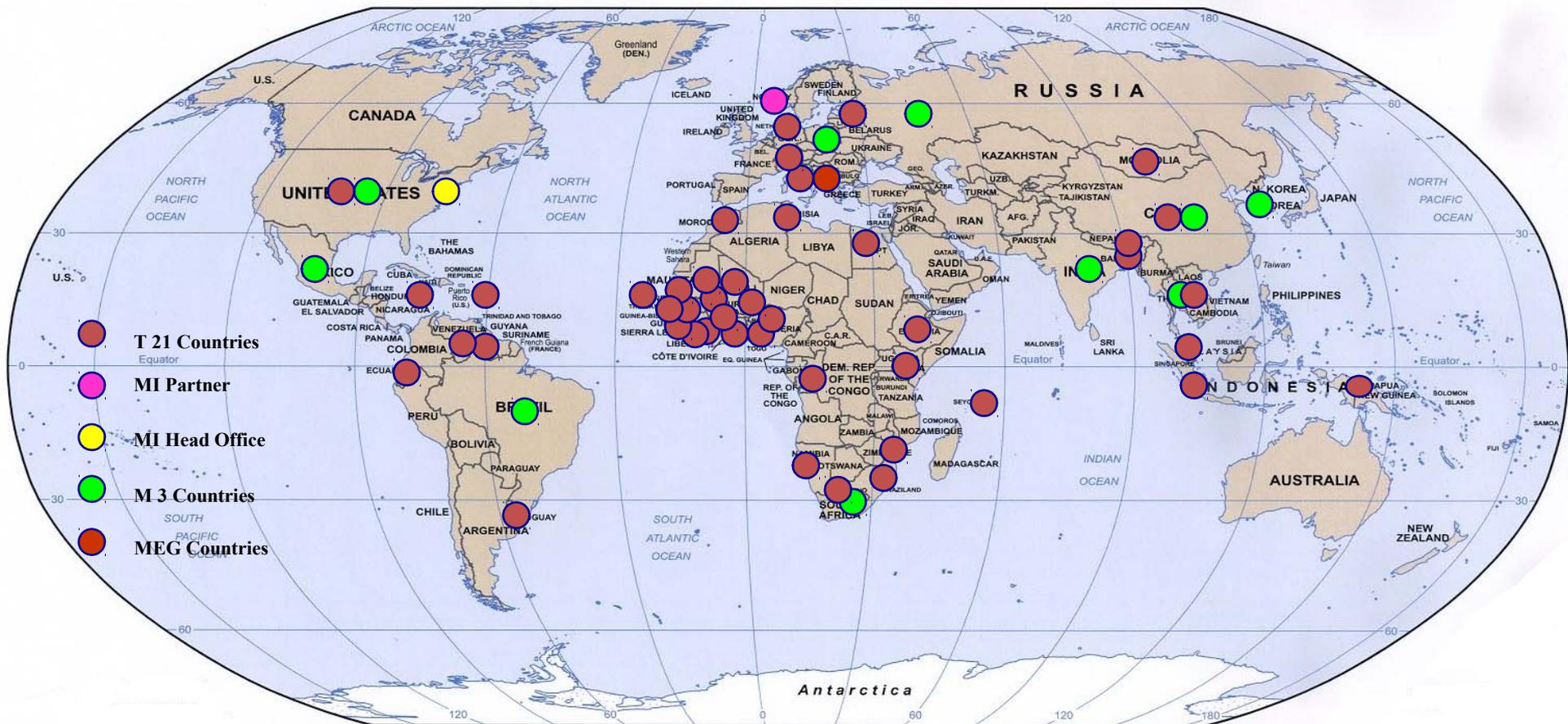
Activities (capacity building in system thinking, modeling, scenario and policy design; provision of unique tools)

- Green Economy / CC Mitigation and Adaptation, Energy
- Sustainable Development, Poverty, MDGs, Malaria, HIV/AIDS, agriculture / food system –integrated assessments Rio+20 follow-up
- Natural disasters and external shocks
- Post conflict

Key Partners (research, capacity development and implementation)

- **UNEP** (joint office in Geneva for Green Economy)
- **UNDP**
- University of Bergen (Norway), UNU IIST, Centers of Excellence
- Biovision Foundation

MI Around the World



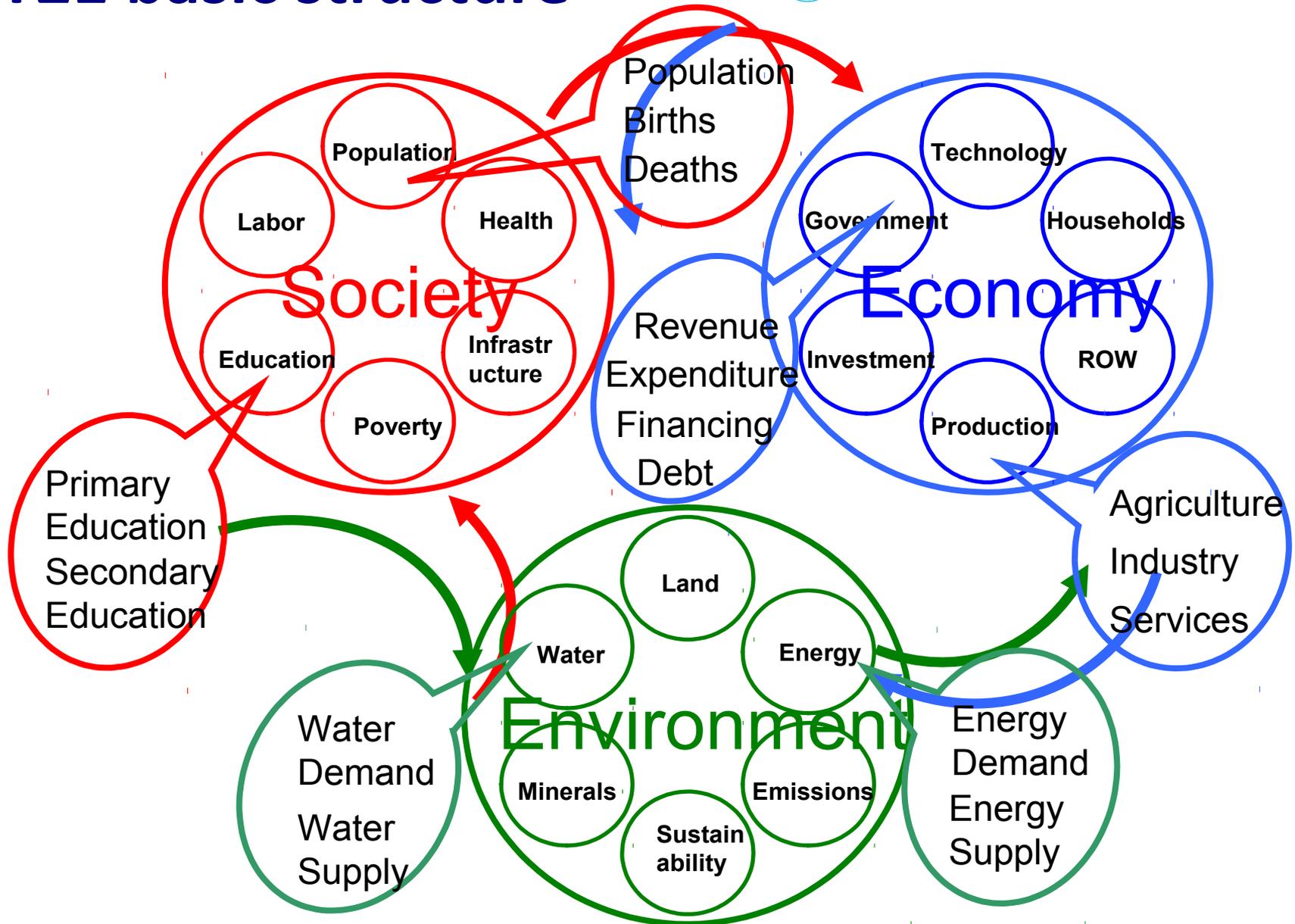
T21 and the development challenges

- **Managing natural resources and energy to assure the sustainability of the ecological foundation (within the planetary boundaries)**
- **Enabling social structures and governance to function inclusively, equitably and in a coordinated/integrated manner**
- **Providing social and environmental services as well economic growth to eradicate poverty**
- **Taking account of the vital interactions within and across the Economic, Environmental and Social dimensions**
- **Adapt to climate change and protect the environment**

Key factors to take into account

- **Economic and social externalities**
 - Impacts of depletion of resources – forests, fish, minerals
 - Impacts of waste and pollution on health and resources
 - Impacts of urban development on land and water
- **Public Goods and the Global Commons**
 - Climate change impacts and clean air
 - Water scarcity
 - Access to resources and biosystem protection
- **Assuring wellbeing of all humans and bio-systems**
- **How to keep track of all these factors?**

T21 basic structure



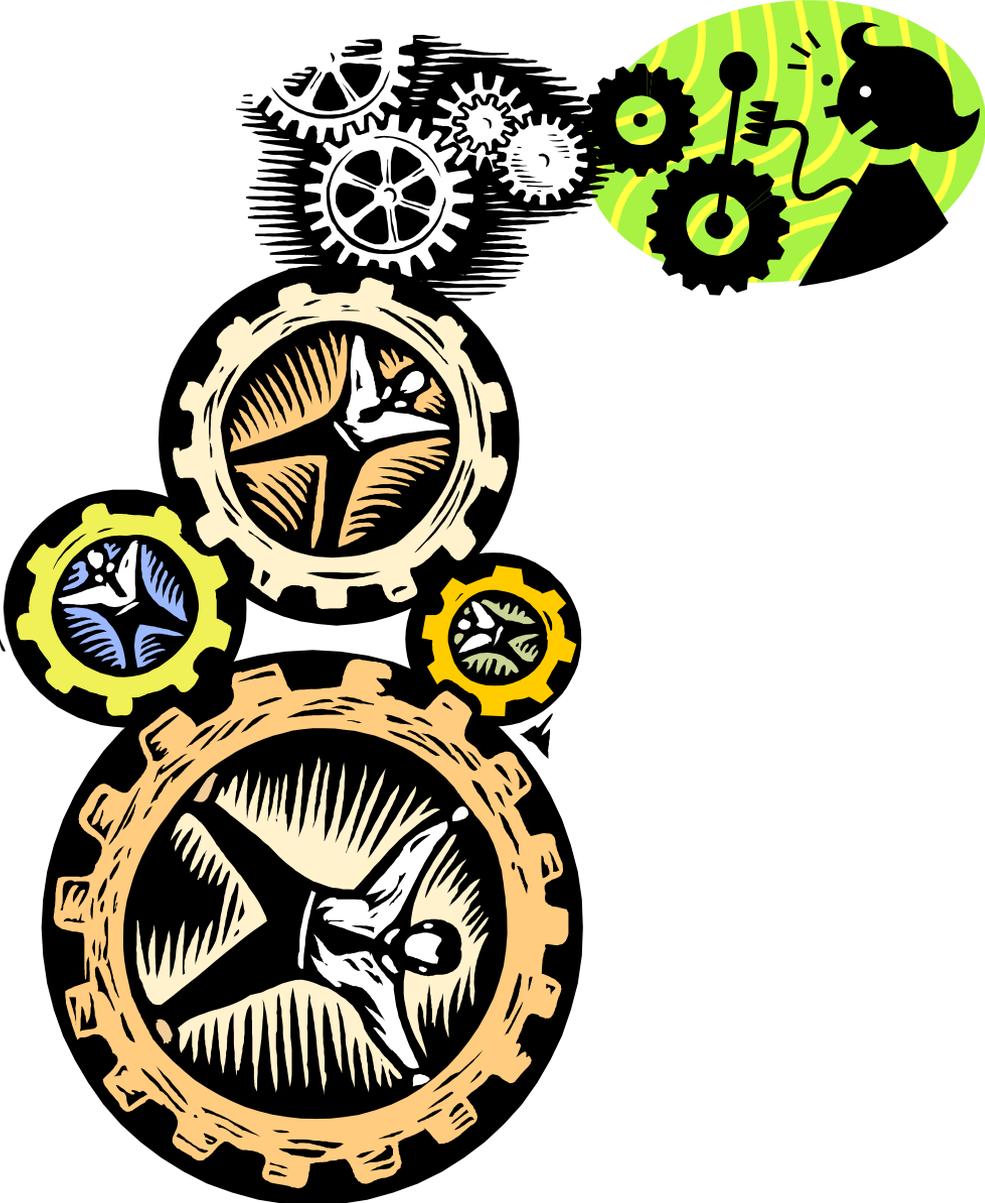
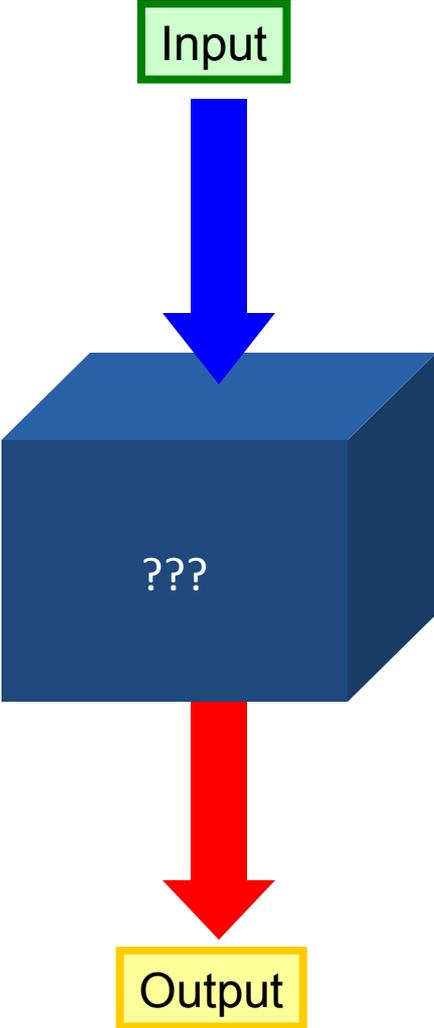
T21 – Breaking down the barriers....

- T21 is a tool to bring **stakeholders** together and promote dialogue (Gov. Ministries, CS groups, Private Sector, etc.)
- Builds broad support by taking account **each party's concerns** (consensus, participatory)
- Is a powerful, yet easy to learn and use and fully **integrated** tool to help develop and achieve policy goals
- Based on **real-world causal relations** across economic, social, and environmental dimensions and sectors, not just theory

T21 – Breaking down the barriers....

- Generates **integrated scenarios**, offers options to achieve medium to longer-term goals, **compares and visualizes indicators**
- Helps understand **synergies** and **negative feedbacks** to reach informed consensus on new policies
- Produces a **road map** with milestones to achieve agreed goals
- Is unique and **in-valuable** for all Governments and Development Agencies to **plan AND measure** (M&E - accountability)

T21 = Transparency



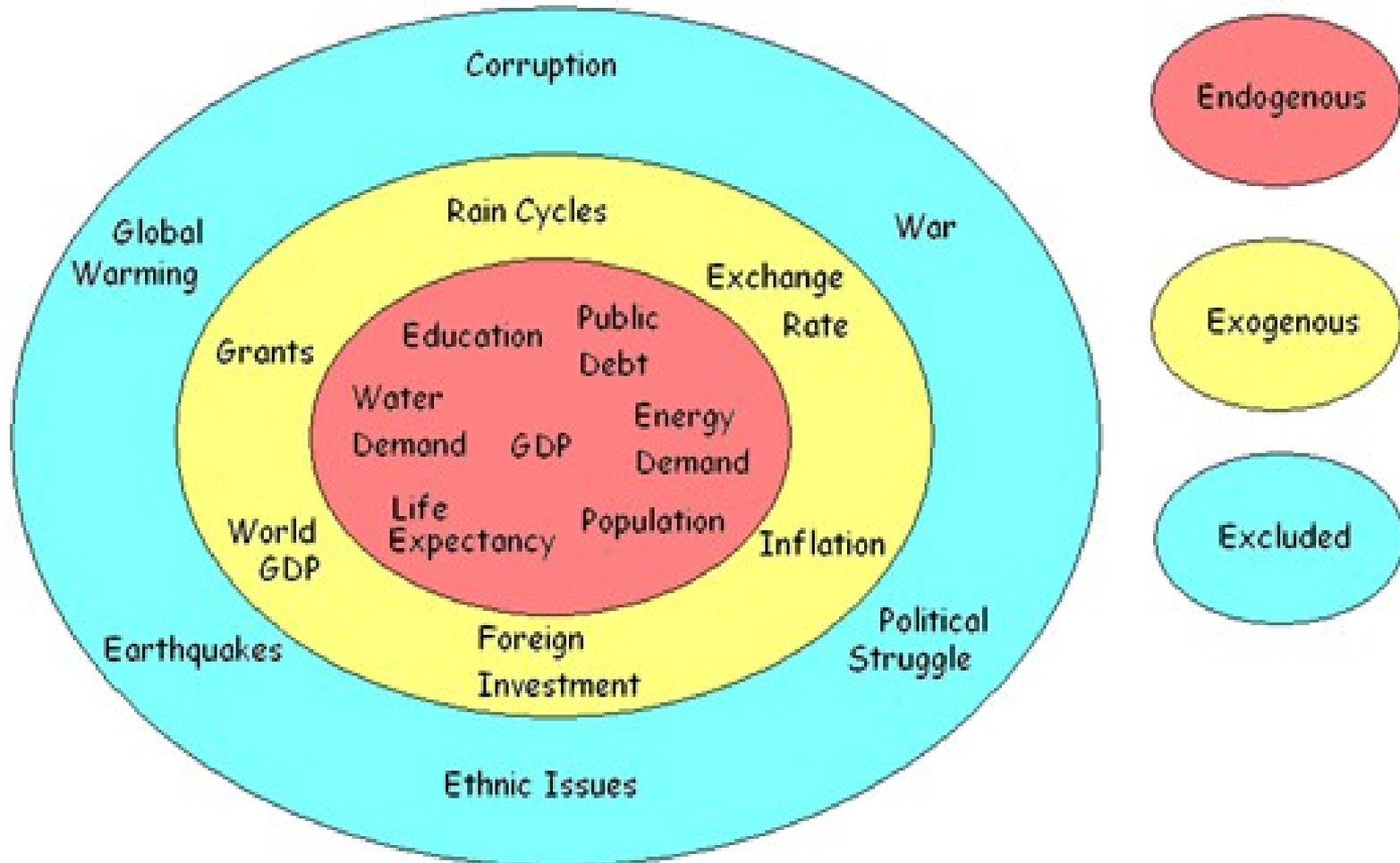
Features of T21

- **Available to and Owned** by Governments/Development Partners
- **Operated** by local experts
- **Six to eight months** of work
- Expandable and **flexible**, so always work in progress, and requires a strong local team (local ownership / empowerment)
- Requires reliable info and historical **data**
- Promotes broad **participation** in national planning

T21, an integrated tool to support and inform national policy processes?

- **Inclusive stakeholder process**
- **Integrated assessments (understand the system)**
- **Integrates other (specialized) tools into a dynamic framework and expresses results in visual form, multiple angles (soon units –calories, carbon, etc)**
- **Coherent policy design and formulation**
- **Implementation roadmap**
- **Measurement framework (monitoring and evaluation)**

T21 has its limitations (but is a living model....sort of a WIKI)



You cannot solve the problem with the same kind of thinking that created the problem. *Albert Einstein*



How best address these challenges

- Understand real relations in the situations we face, within and beyond economics
- Take account of interactions and feedback loops across different sectors and from different policies
- Manage depletion of natural capital and allocate resources to investment in human and appropriate physical capital
- Take account of longer term effects and lags / delays
- Examine the results of different assumptions, investments, and policies to make better decisions
- This needs to be done at the country level, where the key policy decisions are made, but in the context of the global commons