



# The Millennium Institute

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Mauritius, November 2007

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

## Who are we?



- MI is a not for profit organization based in Arlington VA, USA.
- Established in 1983 to promote long-term integrated global thinking in national governments, civil society, universities, foundations and the faith traditions of the world.
- Founders of the MI have assisted research teams in over 45 countries to prepare strategic studies of sustainable development possibilities.

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## Vision & Mission



### Our Vision:

- A world where peace is supported by equity and a common, global responsibility towards the next generations and the all life-supporting environment

### Our Mission:

- Provide tools, education and framework to build consensus among willing parties to build the global society and develop the sense for shared responsibility for our common future

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## New development planning needs: Why?



- Formulation and general agreement on MDGs in 2000
- Comprehensive Development Framework and PRSP
- Response to global warming, energy and environmental degradation issues, good governance, Commission for Africa report, Paris Declaration on harmonization, etc..

### ...with emphasis on

- Long term holistic vision (**Economy+Society+Environment**)
- Country ownership (public/private and civil society)
- Country led partnership
- Focus on results (impact & consequences of policy choices)

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## New development planning needs : What?

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- Getting the System right (capacity & accountability /governance issues)
- Peace and Security (prevention / management of conflicts and post conflicts negotiations)
- Leaving no One Out ( T21 for dialogue; rebuilding countries)
- Going for Growth (& development / poverty reduction)
- Leveraging Key scientific and technological advances
- Applying Aid to create system-wide synergies (finding the ??? points)
- Identify and Avoid key unintended consequences
- More Trade & Fairer Trade (analyses of opportunities and costs.....)

and with what means? (how much; for what, to whom, from/to where)

**T21 / MEG / MENG scenarios**

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## New development planning needs : How?

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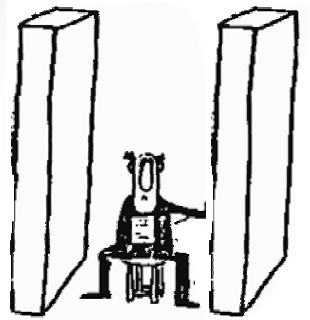


- Develop and disseminate advanced analytical tools in support of prospective planning dialogues and M&E at community, national, global, agency levels;
- Craft and implement capacity development for a broad cross-section of partners in sustainable development using all modern communication means;
- Build a network of supporters and partners across the globe to inspire, promote, endow and implement rational, integrated planning;
- Apply the lessons learned towards better efficiency of our activities to serve

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Understanding Systems...  
...removing a problem,

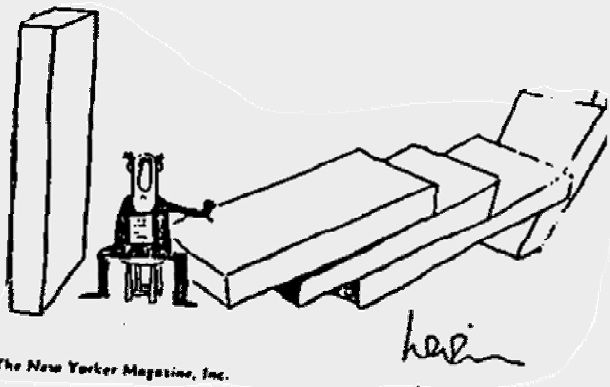
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Understanding Systems...  
...may create feedbacks &

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Drawing by Levin; © 1976 The New Yorker Magazine, Inc.

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## Why dynamic modeling ?



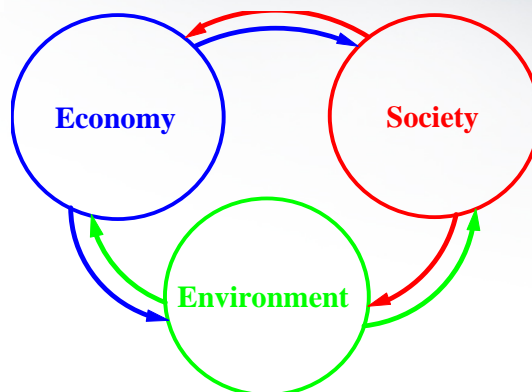
- To be sure to include a view of what the whole system is and what it isn't
- To obtain accuracy impossible with linear mental models
- To Take into account the interactions in the system (feedbacks)
- To obtain continuous, time-specific expectations for monitoring and evaluating assumptions and decisions

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## The Three Pillars of Integration



### Threshold 21



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## Threshold 21 approach



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- **System dynamics methodology**
  - Built on observed real world relations in country of application
  - Analyzes cross-sector links and feedback loops
- **Composed of three main pillars**
  - Economic -- based on SAM, key market balances, and production over time
  - Social -- based on current dynamics in population, health, HIV/AIDS, education
  - Environmental -- based on country specific issues and information
- **Adapted to country specific data, issues, and objectives**
- **Builds local capacity to integrate T21 into national planning**

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## Benefits of Threshold 21 (T21) model

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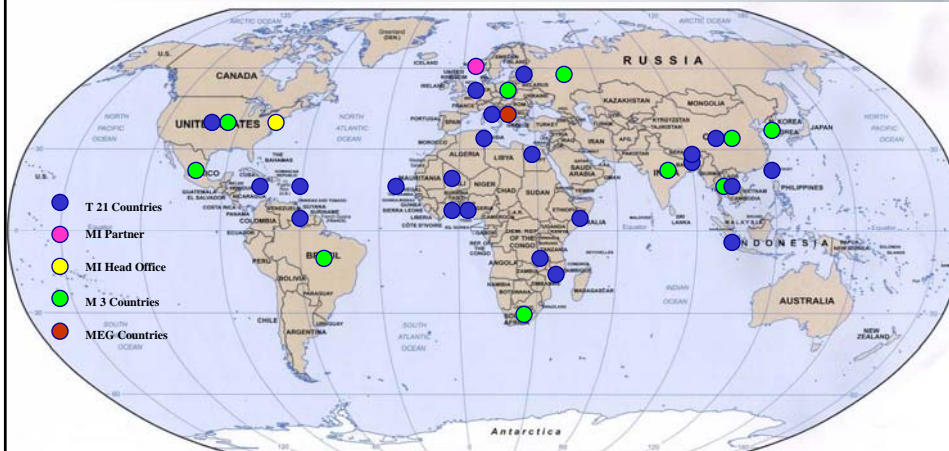


- Checks consistency and feasibility of major objectives and assumptions
- Deepens analysis of policies and programs, across sectors and over time
- Informs decision makers of longer-term implications of policy choices
- Helps achieve better and more coordinated decision making
- Provides scenarios, not perfect projections
- Allows for easy monitoring and evaluation

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## MI around the World

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## Existing MI Dynamic Modeling Offerings:

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- **T21 country models**
  - Bangladesh
  - Buthan
  - Cape Verde
  - China
  - Italy
  - Jamaica
  - Malawi
  - Mali
  - Mozambique
  - Taiwan
  - Tunisia
  - USA and NA (energy)
- **M3 Market Models**
  - China
  - India
  - South Korea
  - Russia
  - Thailand
  - Brazil
  - Argentina
  - Mexico
  - Poland
- **T21/MEG Regional models**
  - East Africa (AEO)
  - West Balkans

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## MI's Future Vision

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- **Internationalization and decentralization**  
Gain Intergovernmental status and move MI Head Office to a new location (one of the charter signatory country)
- **Capacity building for the long term**  
Establishing regional research and training centers in partnerships with Universities and Research Institutions in key regions of the world (i.e., partnership with **MRC/Universities in Mauritius for the Indian Ocean Region**; UAE/Qatar would serve the Gulf States and the Arab World / West Asia; Malawi/SA, Kenya and Ghana for Africa, Thailand East Asia and the Pacific; Baltic States for Eastern Europe; Jamaica for the Caribbean; Brazil for Latin America)
- **New partnerships** (public & private)
- **Emphasis on sustainable development** (how to meet the MDGs as well as national priorities)

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## MI's Suggestions for Mauritius



- **Partners: MRC, Universities, Civil Society Organizations**
- **Capacity Development for SD and Modeling:**
  - **Development Executive course SD, case studies, T21. Five days, 15 to 30 participants from Gov, private and public sectors (Dec 07/Jan08).**
  - **Core modeling team course. Three modules 4 to 6 weeks, SD theory, T21 model, sub-sector building (Jan 08).**
  - **Building of full T21 Mauritius with sub-sectors of special interest (March / August 08)**
- **Development of Regional Indian Ocean Center of Excellence in SD and Modeling (Umbrella by MI and UNU)**

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## What our partners and clients are saying...



- "MI's integrated dynamic models have been vital for GM's sales forecasts"  
Paul Ballew, GM
- "MI's long-term, integrated perspective is essential"  
Pablo Guerrero, World Bank
- "MI's T21 analytical tool is essential for effective national development strategies"  
Ed Cain, Carter Center
- Fascinating!  
David Cohen, Counterparts International
- If only we had known such a tool existed...  
Chorus of planning experts from 11 countries in Southern Africa
- We need to use this tool at the Headquarters, in our embassies and help our country partner acquire it...
- Dutch Ambassador Ton Boon von Ochsen
- I want that T 21 planning team in my office...  
Président Amadou T Touré, Mali
- It has been my dream since ten years to get the the POIJ departments to work together...now its happening with T21; With T21 I can see team building and networking across the ministries and government agencies and effective communication  
Wesley Hugh, Director Planning office Jamaica

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You must be the change you want to see

*Ghandi*

....thank you