Doing Our Part in a Global Development Movement

- Global challenge never been clearer or more broadly known
- Development disparities *within* and *between* nations and peoples
- Understanding about what works growing
- Politically ripe – consider Mexico’s Fox, Ghana’s Kufuor, Russia’s Putin
Dream Scenario:
Global Health, Wealth, & Happiness

- Ailments diagnosed & cured
- Infrastructure built & clean
- Industry with minimized externalities
- Peace, Security, & Freedom
- Competent & Non-Corrupt Civil Service
- Choice maximized
DE Emerging theme at MIT

• Third year of seminar
• Lots of past case examples to build on
Connecting Development & Entrepreneurship

- MIT $50K Entrepreneurship Competition: $1K Warmup & Alum e.g’s
- DyD Workshop
- Other E-Center classes: GLab
- SEID
- Alumni Company Role Models…
- Our DE Seminar
Alumni Company Role Models

Africa Online
http://www.africaonline.com/

Evergreen Solar
http://www.evergreensolar.com/

Water Pumping in Tanzania
This water pumping system provided the first water supply for the main slaughterhouse in Dar es Salaam, Tanzania. WorldWater Corporation (www.worldwater.com) designed and installed this AquaSafe™ system, as well as others in Africa and Southeast Asia.
Development Challenge & Opportunity

- Population Growth
- Youthful Unemployed
- Basic Needs: Water, Power, Housing
- Economic Desires (political, etc)

- Developmental Technologies
- Developmental Entrepreneurship
- Developmental Innovations Generally
Growth of Humanity

- Note slowing of growth rates
- Growth inversely proportional to wealth & income
- Growth especially in large cities in poor nations
The 1G Challenge

- Basic Needs
- Health
- Catastrophe Mitigation
- Shelter
- Farming
- Culture

- Transportation
- Distributed Power
- Information & Communication
- Education
- Business Models
- Finance
...
Possible Solutions: Appropriate Technologies

• Low power refrigeration
• Solar stoves
• Water filtration
• Locomotion
• Medical incubator
• Low Cost Eyeglasses
• Local & Distributed power
• Clean combustion
• Clean Water

• Enfield Bullet, Sristi
• Ravi Kuchimanchi, AID-India
• http://www.thinkcycle.org
• Médecins Sans Frontières
• Murcott Group, Civil Engineering
• Ashok Gadgil UV Treatment
Undervalued Human Capital

• Creative Talent is only unbounded resource!

• Consider the US Case

• Build educational institutions

• Be clever with incentive structures to motivate self-improvement
MIT Alumni Legacy

4,000 companies
> 1M employees
~$250 Billion sales

http://web.mit.edu/newsoffice/founders
Possible Solutions:
Leapfrog Technologies

- e.g. Portable Computers for the people
- e.g. Cellphones per village
- e.g. Intellectual capital development via school or innovator network system
Developmental Entrepreneurship

- MicroEntrepreneurship
- MicroFinance
- MicroSavings
- MicroCredit
- MicroVC
- MicroFranchising

- Entrepreneurial NGOs
- Social Ventures
  and more…
New Types of Organization

- HLL
- Dabbawallas
- E-Choupal
- Amul
Developmental Entrepreneurship Class: Three Interwoven Themes

- Entrepreneurial Models for Development
- MicroEntrepreneurship – franchising, financing, VCs, credit…
- Disruptive Technology
Executive Summaries 2001 & 2002

1. **Mercados Infinitos** -- distribution & delivery services in Mexico
2. **SEID** -- global talent & development challenge matchmaker
3. **Remittance International** -- community-building fin’l services Lat. America
4. **CureAll** -- mobile health care of syphilis in southern africa
5. **Dlo Prop** -- clean water via chlorination in Haiti
6. **Safe Storage** -- non-electric cold storage of vaccines in India
7. **Ca:sh** -- PDA system for health and info services in India
8. **Grow Networks** -- e-mailman wireless network for India and Costa Rica
9. **Diabetic Pulse** -- non-invasive diagnostic & self-manag’nt system for India
10. **Asian Credit Organization** -- credit rating & financial info for China
11. **Eco-Meter** -- ecological electricity distribution system for Asia
12. **DissemiNation** -- FM radio-delivered digital info in Latin America & Russia
13. **InformUs** -- info & financial services for farmers in India
14. **Cresimento e Valor** -- philanthropic investor services in Brazil
15. **Mexico Board of Trade** -- efficient market for agriproducts in Mexico
16. **MobilBanco** -- electronic pre-payment for cellphones in Latin America
17. **Green Cycle** – eco-composting for waste management and sanitation
18. **Bilingual Storyteller** – toys for kids which speak multiple languages
19. **BlueEnergy** – wind power systems
20. **Communifactory** – building communities of Habitats for Humanity
21. **Safe Water Ventures** -- purification, storage, and distribution of drinking water
22. **Sustainable Education Solutions** – microfinanced teacher-training
23. **TikaNet** – rural health care systems in India
24. **Unwired** – participatory media research venture in Latin America & Asia
25. **IKN** – International Knowledge Network for faculty training & development
Continuing Ventures

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Example Cases We’ll Feature

- Low Cost Eyecare
- Appropriate Medical Therapies
- Distributed Power Generation
- Printed PCs
- Telecom Networks
- Innovator Networks
Selecting DE Opportunities to work on from MIT & Beyond…

• Meeting peers in class
• Surfing web, paying attention
• Handouts
• Look about MIT & Labs
• Talk to us!
Example Online Idea Sources

- ThinkCycle
  [http://www.thinkcycle.org](http://www.thinkcycle.org)

- Sristi
  [http://www.sristi.org](http://www.sristi.org)

- DE Course Webpage
DE Expected Deliverables

- Business Plan Executive Summary complying with the MIT $50K Entrepreneurship Competition $1K Warmup guidelines (early November)
- IDEAS Competition Entry
DE Participation Includes…

• Showing up
• Independent Research
• Contributing weekly original & interesting weblink to ThinkCycle’s Developmental Entrepreneurship Topic
  
  http://www.thinkcycle.org
Next: Personal *Elevator Pitch*

- I’m *First Name*  *Last Name*
- Student in *School/Department*
- Studying in *Program/Field*
- *Last Role* at *Previous Organization*
- Now very interested in
  
  *Short Idea Summary*
Short Summary of Interests

One sentence or phrase with keywords

For Example…

• “…implications of wireless and mobile devices on remote medical services”
• “…ultra-low cost ‘penny diagnostics’ of ailments, infestation, cleanliness”
• “…building and deploying distributed electric power systems”