Philosophy & Pedagogy

Systems view: We seek to create a world that is sustainable ecologically, economically, socially, politically, and personally.

Active learning: Frequent use of simulations, in-class role-playing and breakouts, along with case discussions, presentations, and guest speakers.

Mens et Manus: Student teams work with real organizations on semester-long projects.

15.992
Spring 2008

S-Lab @ MIT Sloan

Laboratory for Sustainable Business
The Team

Faculty:

Rebecca Henderson
Eastman Kodak LFM Professor of Management
Innovation; organizational change; product development; technology strategy

Richard Locke
Alvin J. Siteman Professor of Entrepreneurship and Political Science
Labor Relations, Political Economy

Sarah Slaughter
Senior Lecturer
Sustainable Infrastructure, Construction

John Sterman
Jay W. Forrester Professor of Management
System Dynamics, Energy, Climate Change

Teaching Assistants:
Eswar Mani - MIT Sloan MBA ’08
Gabriel Shapiro - MIT Sloan MBA ’08

Students:
Highly Diverse Student Body
MIT Sloan, Various Engineering, Architecture, Urban Planning, Various Humanities, Harvard (eg. KSG)
<table>
<thead>
<tr>
<th>Company</th>
<th>Category</th>
<th>S-Lab 08 Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACP Inversiones y Desarrollo</td>
<td>NGO/Gov’t</td>
<td>Strategy for “micro-insurance” for micro-entrepreneurs and poor people</td>
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<tr>
<td>Brown Flynn</td>
<td>Startup/Small</td>
<td>Toolkit for cities to track sustainability measures</td>
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<td>Clinton Foundation</td>
<td>NGO/Gov’t</td>
<td>Financial analysis models of building improvements to increase energy efficiency</td>
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<td>Coldpack</td>
<td>Startup/Small</td>
<td>Market assessment for new cold packaging technology</td>
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<td>Conservation Corporation Africa</td>
<td>Startup/Small</td>
<td>Expansion plan for social/eco-tourism company</td>
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<td>Foresta Trust</td>
<td>Startup/Small</td>
<td>Business strategy for selected forest re-planting and preservation for carbon credits</td>
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<tr>
<td>General Motors Corporation</td>
<td>Large Established</td>
<td>Cost/benefit model to assess new sustainable technologies for existing manufacturing plants</td>
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<td>Jonathan Rose Companies LLC</td>
<td>Startup/Small</td>
<td>System dynamics model for cities to track sustainability measures</td>
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<tr>
<td>Mars Snackfood US</td>
<td>Large Established</td>
<td>Sustainability roadmap for operations</td>
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<td>Mibanco</td>
<td>Startup/Small</td>
<td>Credit scoring system</td>
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<tr>
<td>MIT Sloan S-Lab</td>
<td>MIT</td>
<td>Inventory and community profile of potential actions by Sloan to reduce environmental footprint</td>
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<tr>
<td>Nestlé USA</td>
<td>Large Established</td>
<td>Strategy for sustainable agriculture involvement in North America</td>
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<td>New England Clean Energy Council</td>
<td>NGO/Gov’t</td>
<td>Assessment of regional incentives for location of clean tech facilities</td>
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<tr>
<td>Nike</td>
<td>Large Established</td>
<td>Competitive and financial analysis of climate activities reporting</td>
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<tr>
<td>University of Sao Paulo</td>
<td>NGO/Gov’t</td>
<td>Strategy for reducing/eliminating electronic waste (e-waste)</td>
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<tr>
<td>US Business Council for Sustainable Development (USBCSD)</td>
<td>NGO/Gov’t</td>
<td>Business strategy for carbon sequestration and other benefits through re-forestation projects</td>
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</tbody>
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S-Lab Spring ‘08 Class Topics

- Organizational Response to Sustainability
- Redefining Traditional Business Models
- Sustainability and New Product Development
- Sustainable Retail: Can Big Box Stores Really Go Green?
- Ensuring Sustainability Along the Supply Chain
- Ensuring the Sustainability of Shared Resources
- Social Sustainability and Labor Standards
- What is legal? What is politically feasible?
- Alternative Transportation Networks
- Energy Efficiency as a New Market
- Green Buildings – New Markets & Services
- Sustainable Infrastructure and International Markets
- Organic Foods – Creation of a New Industry
- Setting a Price for Carbon
- Industry Collaborations, Certification
- Efforts, and Partnerships with NGOs
- Action at the community level

WE APPRECIATE YOUR INVOLVEMENT IN S-LAB!