Some thoughts on indicators from an agricultural landscape perspective

Ravi Prabhu

ICRAF
Mosaic Landscapes in Indonesia and Kenya: The dominant reality
Agriculture and other uses have to be seen as part of a Landscape

- Practices and activities will be part of landscapes and compete against other land uses. Hence trade-offs and synergies need to be understood.
What investments will have most development impact?

- Which interventions will reduce risk, increase security, and improve lives the most?

- How to measure and monitor development outcomes?

- What are the trade-offs between agricultural productivity and the environment?

- What are the risks of intervention failure?

- What is high value information?

Keith Shepherd – value of information

“My job is to make decisions. Your job is to make them good decisions.”
# Attainability of Planetary Goals

<table>
<thead>
<tr>
<th>Planetary Conservation Goals</th>
<th>2030 BAU</th>
<th>2030 APES</th>
<th>2030 DIET</th>
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<th>2050 APES</th>
<th>2050 DIET</th>
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<td>Forest</td>
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<tr>
<td>Biodiversity</td>
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<tr>
<td>Climate</td>
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<td>Forest &amp; Biodiversity</td>
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*Obersteiner, CSA Conference Davis*
Food for a Week, Displaced Family, Chad
Food for a Week, German Family
2050 - Planetary Goals and Land Use

Obersteiner, CSA Conference Davis
Finding the **diversity** dividend

Jackson et al. 2013
HIGH-LEVEL CONSULTATION ON HUNGER, FOOD SECURITY AND NUTRITION IN THE POST-2015 DEVELOPMENT AGENDA

• “...reducing global waste by half would mean radical progress on hunger and malnutrition in the most vulnerable populations.”

• “...support the use of a wider variety of crops to help feed the world,

• ...of the thousands of cultivatable crops that exist, only seven provide 90% of the world’s food production.”
Discourses, partnerships, power & diversity

<table>
<thead>
<tr>
<th></th>
<th>Corporate Food Regime</th>
<th>Food Movements</th>
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<tbody>
<tr>
<td><strong>Politics</strong></td>
<td>Neoliberal</td>
<td>Progressive</td>
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<tr>
<td><strong>Discourse</strong></td>
<td>Food Enterprise</td>
<td>Food Justice</td>
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<td><strong>Main Institutions</strong></td>
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<td>Radical</td>
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<tr>
<td></td>
<td>Regime</td>
<td>Food Sovereignty</td>
</tr>
<tr>
<td>International Finance Corporation (World Bank); IMF, WTO; USDA (Vilsak); Global Food Security Bill; Green Revolution; Millennium Challenge; Heritage Foundation; Chicago Global Council; Bill and Melinda Gates Foundation; Feed the Future Campaign</td>
<td>International Bank for Reconstruction and Development; USDA (Meerigan); mainstream fair trade; some Slow Food Movement; some Food Policy Councils; most food banks &amp; food aid programs</td>
<td>Alternative fair trade and many Slow Food chapters; many organizations in the Community Food Security Movement; CSAs; many Food Policy Councils and youth food and justice movements; many farmworker and labor organizations</td>
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<tr>
<td>Orientation</td>
<td>Corporate</td>
<td>Empowerment</td>
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<td></td>
<td>Development</td>
<td>Entitlement</td>
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Eric Holt-Giménez 2010: Food Security, Food Justice, or Food Sovereignty?
Big Six
58% of proprietary seed market
$50 billion sales annually, $4.7b R&D

Shand 2012
Top Ten
28% of global food market

Mulle & Rupanne 2010
Soil Organic Carbon in the Mau Forest

Make assessment of indicators affordable, timely and informative
Make assessment of indicators affordable, timely and informative
Thank you!
Good governance

Index ratings vs. Country rankings

- Regulatory quality
- Rule of law
- Government effectiveness
- Political stability
- Ease of doing business
- Corruption perception

Costa Rica
Average ha of rainforest

Carlos Manuel Rodríguez  Nagoya COP 10
REDD+ Hour
Agrarian dynamics: stages & trajectories