The World Resources Institute: Information into Action

Janet Ranganathan, Vice-President Science & Research

June 10, 2013
Presentation Overview

1. About the World Resources Institute
2. WRI and the post-2015 process
3. Information into action at WRI
4. Benefits of partnering
5. Challenges to partnering
6. Ideas on post 2015 collaboration

How do you use information to create change?
WRI’S GLOBAL PRESENCE

Institutional
Planned “light touch” offices
Project staff on the ground, deep partnership, and/or project office
Active partnerships
WRI’s Values

Integrity
Innovation
Urgency
Independence
Respect
Past and projected sources of revenue

<table>
<thead>
<tr>
<th>Source</th>
<th>FY06</th>
<th>FY10E</th>
<th>FY15P</th>
<th>CAGR FY06-FY10</th>
<th>CAGR FY10-FY15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endowment</td>
<td>9%</td>
<td>5%</td>
<td>3.5%</td>
<td>16%</td>
<td>.5%</td>
</tr>
<tr>
<td>Individuals</td>
<td>6%</td>
<td>5%</td>
<td>10%</td>
<td>11%</td>
<td>11%</td>
</tr>
<tr>
<td>U.S. Government</td>
<td>25%</td>
<td>12%</td>
<td>15%</td>
<td>-3%</td>
<td>10%</td>
</tr>
<tr>
<td>Foundations</td>
<td>12%</td>
<td>23%</td>
<td>21.5%</td>
<td>37%</td>
<td>4%</td>
</tr>
<tr>
<td>Corporations</td>
<td>18%</td>
<td>22%</td>
<td>20%</td>
<td>22%</td>
<td>3%</td>
</tr>
<tr>
<td>Bilaterals &amp; Intl</td>
<td>30%</td>
<td>33%</td>
<td>30%</td>
<td>19%</td>
<td>3%</td>
</tr>
</tbody>
</table>

FY06: 2006
FY10E: 2010 Estimated
FY15P: 2015 Projected
CAGR: Compound Annual Growth Rate
WRI FOCUSES ON SIX GLOBAL CHALLENGES

- FORESTS
- FOOD
- WATER
- CLIMATE CHANGE
- ENERGY
- CITIES & TRANSPORT
THREE CENTERS OF EXCELLENCE

- Climate
- Energy
- Food
- Forests
- Water
- Cities & Transport

Governance

Finance

Business
OUR APPROACH

Count It → Change It → Scale It
TOP GLOBAL ENVIRONMENT THINK TANK

1. World Resources Institute
2. Brookings Institution
3. Center for Climate and Energy Solutions
4. Worldwatch Institute
5. Earthwatch Institute
6. Stockholm Environment Institute
7. Resources for the Future
8. Earth Institute
9. Chatham House
10. Ecologic Institute
11. United Nations Environment Programme
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How do you use information to create change?
INDEPENDENT RESEARCH FORUM ON A POST-2015 SUSTAINABLE DEVELOPMENT AGENDA

IRF2015
Independent Research Forum
IRF2015 INFORMAL RETREAT SERIES: “TOWARDS A TRANSFORMATIVE POST-2015 DEVELOPMENT AGENDA”

**Retreat 1**  
October 2013  
*Focus:* Core principles of the post-2015 agenda

- **Module 1**  
A transformative agenda – from MDGs to SDGs

- **Module 2**  
An integrated approach to goals and targets

- **Module 3**  
Universality and differentiation

**Retreat 2**  
February 2014  
*Focus:* A universal agenda in practice

- **Module 4**  
Applying a universality lens to goals and targets

- **Module 5**  
Setting priorities for goals and targets

- **Module 6**  
Addressing cross-cutting issues

**Retreat 3**  
April 2014  
*Focus:* Modeling a universal goal framework

- **Module 7**  
Introducing a goal framework design tool

- **Module 8**  
Designing a prototype goal framework

- **Module 9**  
Testing the framework: Is it transformative?
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How do you use information to create change?
20 staff → 500 partners → 1200 companies → $22 trillion MARKET CAPITALIZATION
CLIMATE | CLIMATE ANALYSIS INDICATORS TOOL (CAIT)
AQUEDUCT: GLOBAL WATER RISK PLATFORM
CHINA’S PROPOSED POWER PLANTS

363 COAL PLANTS PROPOSED

Source: WRI
51% ARE IN AREAS OF HIGH WATER STRESS

Source: WRI
Interactive maps showing 56% of irrigated agriculture facing high water stress
LATIN AMERICA: MAIZE AND WATER STRESS

Percentage of maize crop in each degree of water stress

Baseline water stress

ratio of withdrawals to supply

- Low stress (< 10%)
- Low to medium stress (10-20%)
- Medium to high stress (20-40%)
- High stress (40-60%)
- Extremely high stress (> 80%)
FORESTS: GLOBAL FOREST WATCH

Find out what is happening in forests right now

2,931 Forest clearing alerts in the last 10 days

Join the community
Subscribe to the Global Forest Watch discussion group to stay up to date with the latest news on forest clearing.

Analysis & alerts
Perform forest clearing analysis on the fly and get your answers in real time, or subscribe to change alerts.

Submit your story
Participate in detecting forest change. Send your story about forest clearing and we will add it to our collection.
FORESTS: Landscape restoration

Niger – 200 million new trees over the past 2 decades
14 MILLION HA+ OF LOW-CARBON DEGRADED LANDS SUITABLE FOR OIL PALM?

ENGAGING WRI’s BOARD | GLOBAL RESTORATION COUNCIL

Former Brazilian President and WRI Board Member
Fernando Henrique Cardoso

Former Swedish Prime Minister and WRI Board Member
Göran Perssson
Creating Forest Atlases in Central Africa

- Reference information
- Forest use information

Land use planning

Monitor resource extraction

Address conflicting land use claims

Increase measures of accountability

Improve overall forest management and governance
FOOD: Food loss and waste protocol

- What definitions
- Scope
- Unit(s)
- Data and methods
- How to evaluate trade-offs
- How accurate
- Reporting
FOOD: food loss & waste protocol partners
Poverty and ecosystem mapping in East Africa

- Poverty mapping – Kenya, Uganda, and Tanzania
- Linking poverty and ecosystem maps
Constituency Development Fund
$ 611 million
2003/04-2008/09

Kenya Water & Sanitation Programme
$ 65.5 million
2005-2009

Poverty mapping Kenya: Pro-Poor Targeting

Constituency Development Fund 2003/04 to 2008/09 ($ million)

- 2003/04: 18.0
- 2004/05: 77.6
- 2005/06: 100.4
- 2006/07: 139.1
- 2007/08: 140.0
- 2008/09: 136.1

Graph showing constituency development fund allocation from 2003/04 to 2008/09.
Poverty Mapping Uganda: Pro-Poor Targeting

Agricultural Extension Conditional Grant
$ 15 million
2007/08 - 2008/09
Economic Valuation of Ecosystem Services: Belize reefs

Coastal and marine ecosystems provide widely important goods and services to countries in the Caribbean. This study takes as only three out of the many culturally and economically valuable services provided by these ecosystems to Belize. From within this study, tourism and recreation, fisheries, and shoreline protection and restoration services are highlighted. Coastal and marine ecosystems provide critical protection against erosion and storm-induced damage from tropical storms. They also support biodiversity, provide genetic material for marine biologists, and support fisheries and tourism.

Despite their importance, these benefits are frequently overlooked or underestimated in conservation and policy decisions. Unchecked coastal development, overfishing, and pressures from climate change are the country’s worst enemies. The additional effects of increased tourism, tourism, and other climate-related changes bring on the benefits. Fish populations, including commercially valuable species and species not overfished, will flourish if the mangrove forests they rely upon continue to flourish. Coastal protections will remain very valuable in the face of increased storm damage and economic losses in the face of increased mangrove decline.

Belize’s government, NGOs, and private sector have begun to recognize the importance of coastal ecosystems to the economy. The country’s commitment to protecting Belize’s coral reefs and mangroves is not small when compared to the contribution of these resources to the national economy. The World Resources Institute (WRI) is collaborating with WRI-Caribbean to support evidence-based decision-making at the national level and within individual states. For the full report and methodology, please visit www.wri.org/project_VALUE_belize

![Graph showing economic valuation of services]

- **High estimate**
- **Low estimate**

<table>
<thead>
<tr>
<th>Service</th>
<th>High Estimate</th>
<th>Low Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tourism and Recreation</td>
<td>360 million</td>
<td>100 million</td>
</tr>
<tr>
<td>Fisheries</td>
<td>100 million</td>
<td>50 million</td>
</tr>
<tr>
<td>Shoreline Protection</td>
<td>210 million</td>
<td>210 million</td>
</tr>
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</table>
THE ACCESS INITIATIVE ASSESSMENT TOOLKIT

<table>
<thead>
<tr>
<th></th>
<th>TRANSPARENCY</th>
<th>CITIZEN ENGAGEMENT</th>
<th>ACCOUNTABILITY</th>
<th>CAPACITY BUILDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>EFFORT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EFFECTIVENESS</td>
<td></td>
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</tbody>
</table>
“These issues, underpinning sustainable development and the role of everyone in society to be able to play their part and fulfill their responsibilities towards the environmental pillar, was specifically recognized in Principle 10 of the Rio Declaration of 1992 and remains as relevant today as it was almost two decades ago.”

—Bali Guidelines preamble
The Access Initiative

Coming soon: Environmental Democracy Legal Index.
BUSINESS: WRI Corporate Consultative Group
Across Eight Sectors, Focused on Sustainable Growth
WORLD RESOURCES WATCH | A WORK IN PROGRESS

Forests + Water + Climate

Energy
Cities
Food

World Resources Watch
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How do you use information to create change?
How can we benefit from each other?

- Increase demand for data and make it more accessible e.g., CAIT, GFW, Aqueduct, TAI, Poverty/ES maps
- Create tools & standards to increase data use in decisions e.g., GHGP, Food waste protocol, economic valuation
- Provide new data & insights e.g., GFW, Community mapping, Aqueduct, poverty & ES mapping, Central Africa Forest Atlases, CAIT
- Drive greater disclosure e.g., TAI, Forest Atlases, GFW, GHGP
- Convene partnerships to drive action around data e.g., GFW, Aqueduct, TAI, Restoration Council, CCG, NCE, Food waste
- Strengthen capacity e.g., Forest Atlases, Poverty/ES
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How do you use information to create change?
What are the challenges of partnering?

- NGO’s have an agenda!
- Lack of access laws & open data policies
- No common definitions, standards, methodologies
- Quality control concerns – it goes both ways!
- Confidentiality concerns
- Limited resources, capacity & no mandate to partner
- Lack of authority to measure what matters
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Ideas on post 2015 collaboration

• Support SEEAs with data on forest, GHGs, water, land degradation/restoration

• Create a public private partnership for Sustainable Development Data

• Prepare joint papers to inform post 2015 monitoring e.g., the role of open data platforms; Leveraging new monitoring technologies; Big data for sustainable development; A role for crowd sourced data?; Closing the data gaps.
# Envisioning the future in the data revolution

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data older than 2+ years</td>
<td>Near real time, with alerts</td>
</tr>
<tr>
<td>Printed data</td>
<td>Open data portals</td>
</tr>
<tr>
<td>Only release what is required</td>
<td>Universal open data</td>
</tr>
<tr>
<td>Data from gov’t sources</td>
<td>Data from multiple sources</td>
</tr>
<tr>
<td>Data presented in silos</td>
<td>Integrated data presentation</td>
</tr>
<tr>
<td>National standards &amp; methods</td>
<td>Global standards &amp; methods</td>
</tr>
<tr>
<td>Government as primary source</td>
<td>Multiple data providers</td>
</tr>
<tr>
<td>Data sampling</td>
<td>Big data</td>
</tr>
<tr>
<td>Focus on socio-economic</td>
<td>Focus on sustainability</td>
</tr>
<tr>
<td>Data provision</td>
<td>Data into action</td>
</tr>
<tr>
<td>Resource constrained agencies</td>
<td>Well funded key dev. partners 😊</td>
</tr>
</tbody>
</table>
Thank you for listening!
janetr@wri.org

“openness” of data
Usability
Consistency
Time series
Accessibility
Quality
Timeliness
Comparability