

Converting Data to Action: Bringing Scientific Data to Policy Makers

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Stockholm Environment Institute – bridging science and policy

- International non-profit research and policy organization
- SEI has offices in five continents around the world, and works locally, regionally and globally.
- Connects science and decision-making to develop solutions
- Our work spans climate, water, air, and land-use issues, and others
- 20 Tools to predict better results and conduct effective planning: <https://www.sei.org/projects-and-tools/tools/>
- Initiatives on key issues of sustainable development.
- Over 400 Projects working on various issue across the World



Our Work on SDGs and Climate Change

- Our work on the SDGs seek to develop innovative methods and tools that can be used to enhance capacity within governments and with other actors.
- Operationalizing policy coherence for sustainable development is another objective of ours.
- We work to enhance knowledge-sharing across government and civil society actors.
- The new NDC-SDG Connections tool analyses and quantifies the connections between climate change and the SDGs.



Why Big Earth and Scientific Data?

The 3 V's of Big Data...

- **Variety** -broader information of different sectors and in different formats
- **Volume of the data**-Speed and diversity allow the algorithms to collect a large volume of data in an organized manner
- **Velocity**-The availability of advanced algorithms and modern hardware



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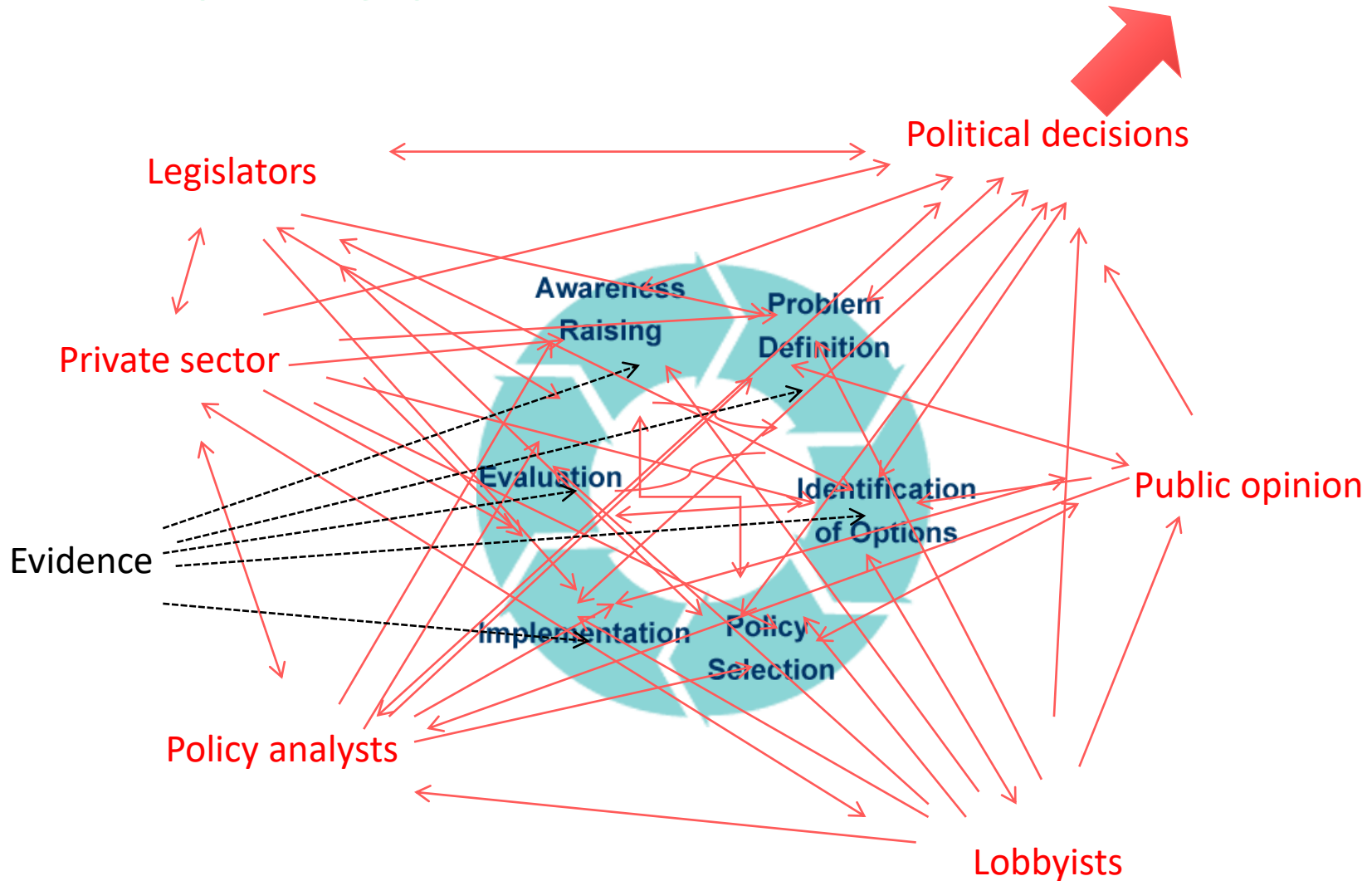
- The role of evidence in policymaking is critical.
- Large investments have been made in policy-relevant data collection.
- Big data is still in its infancy in Africa and opportunities for increasing knowledge and putting data to use are often lost.
- Researchers and decision makers continue to work in different spheres.

Complexities of Policy Making

- Policy making is a complex process
- Complexities of the science amplified at continental and international arena
- Very rapid change in policy processes
- Data-policy integration is influenced by context, culture and history.

Putting evidence into the policy process

POLICY !!!!



The challenges of single point and iterative inputs

Core Principles of Informing Policy

- Effectively communicate findings with clear implications and recommendations
- Understand science informs and does not make policy
- Protect the privilege of science and recognize the limits of science
- Engagement with and among science and policy community
- Trust and avoidance of hubris

*Thank
you*

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