



***Second Regional Workshop
Regional Platform for LAC LEDS***

**Development Impacts Assessment and the
LEDS Global Partnership**

Kathleen Nawaz

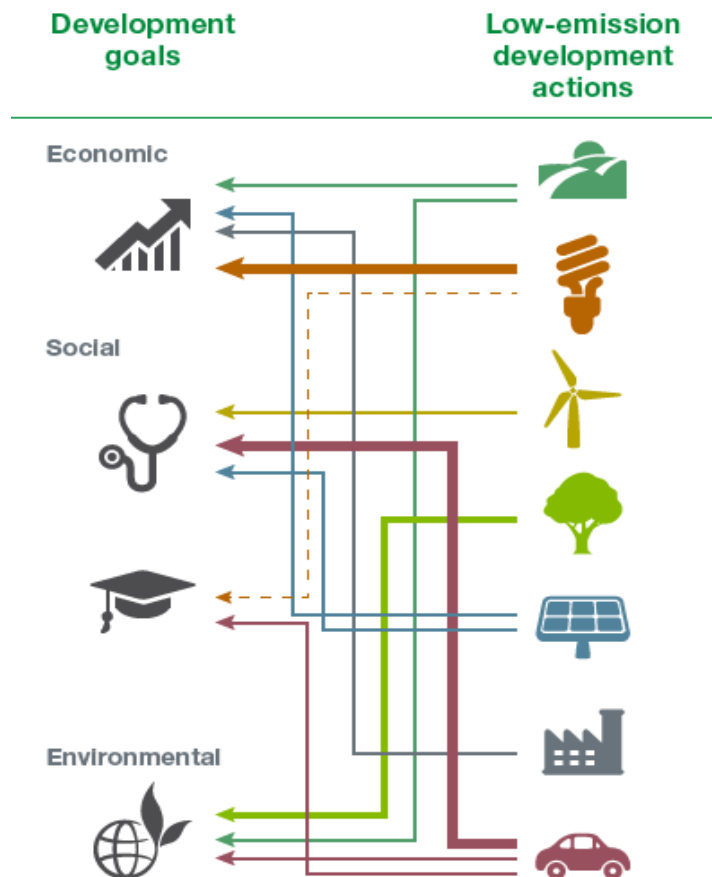
National Renewable Energy Laboratory

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What is DIA?

DIA explores the link between development objectives...

and LEDS actions...



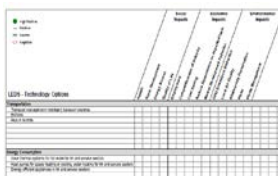


Why conduct DIA?

- **Informs and supports decision-making** on policies and programs to meet development objectives
 - Links key development priorities and low carbon transport strategies
 - Improve effectiveness of development plans
 - Can be applied to national policies and programs, and to projects at the national, regional and municipal level
- **Involves new partners** that may not otherwise be interested in climate protection
- **Can increase access to climate and private finance**

LEDS GP DIA Working Group activities and resources

1. DIA visual tool



Technology	Low Emission	Climate Resilient	Development
Renewable Energy	High	High	High
Energy Efficiency	High	High	High
Water Conservation	High	High	High
Green Buildings	High	High	High
Green Transport	High	High	High
Green Industry	High	High	High
Green Agriculture	High	High	High
Green Land Use	High	High	High
Green Infrastructure	High	High	High
Green Finance	High	High	High
Green Policy	High	High	High
Green Governance	High	High	High

2. Web application



3. Case studies

Development Impact Assessment Case Study: South Africa

1. Executive summary

National development goals provide the essential foundation for the design and implementation of low emission development strategies. In South Africa, the high level alignment occurs in practice, there is a need to support development goals that only require integrating analysis or while in others this may mean trade-offs depending on the country context, it is needed to communicate these developments.

Development Impact Assessment Case Study: Zambia

Abstract

The Government of the Republic of Zambia (GRZ) has articulated several far-reaching national development priorities, which include accelerating economic growth, alleviating poverty, and facilitating access to education. Additionally, the GRZ has begun to identify climate change mitigation projects and programs in an effort to promote low emission growth. This study explores how the GRZ and other Zambian stakeholders are assessing the development impacts associated with low emission development strategies, i.e., determining how mitigation and other technologies might affect Zambia's higher level, non-mitigation priorities. This report summarizes recent, illustrative examples of how Zambian stakeholders are 1) undertaking multi-criteria impact analysis of DMO mitigation technologies; 2) incorporating social, economic, and environmental impact analysis into national planning documents; 3) developing causal linkages between low emission projects and development impacts; 4) establishing

4. Workshops/training



5. Remote Expert Assistance for LEDS (REAL)

LEDS Low Emission Development Strategies Global Partnership
Advancing climate-resilient low emission development around the world

Remote Expert Assistance on LEDS

Do you need support with formulating or implementing your low emission development strategy (LEDSD)? The partnership's Remote Expert Assistance on LEDS is a global advisory network providing timely, high-quality, low-cost technical assistance to developing countries on LEDS analysis, energy finance, low-emission, and water resources. The LEDS Global Partnership (LEDSP) has assembled a team of experts from countries around the world and international institutions to provide objective advice, reviews, lists of assessments, and data collection and recommendations on a range of topics from: energy and water resources.

See the guidelines below and submit your request by sending an email to the address included at the bottom of the next page.

Who is Eligible for Assistance?

The Remote Expert Assistance on LEDS only supports requests from developing countries (DFCs) that are members of the partnership. Requests from non-partnership countries will not be considered. Requests from non-partnership countries will only be considered if they contribute to the partnership's work.

DIA visual tool

- **Objective:**
 - support country identification, understanding and communication of links between LEDS actions and development priorities
 - facilitate decision-making
- **Provides structured approach to considering impacts beyond primary objectives, across sectors**
- **Provides a mechanism for communicating impacts**
- **Piloted in Kenya, Montenegro and Ghana**

	Climate		Sustainable Development					
	Abatement potential 2030 (MtCO ₂)	Abatement cost 2030 (USD/tCO ₂)	Adaptation impact	Energy security	GDP growth	Employment	Improved waste management	Environmental Impact
Expanding geothermal power	14.1	-19.9	●	●	●	—	—	—
Expanding wind power	1.4	-36.7	◐	◐	◐	—	—	—
Expanding hydro power	1.1	-13.2	◑	◐	◐	—	—	◑
Clean coal (USC)	1.1	-11.1	◐	—	◐	—	—	◑
Distributed solar PV	1	13.3	◐	◐	◐	◐	—	—
Landfill gas generation	0.5	-12.4	◐	◐	◐	—	●	◐

●	◐	—	◑	◑
High Positive	Positive	Neutral / Minor impact	Negative	Uncertain

DIA visual pilots: lessons learned

- DIA tool *incorporates qualitative as well as quantitative information*
- ***Tool is flexible:***
 - is adaptable to country situation (development priorities) and planning processes (LEDS, NAMAs)
 - supports sectoral planning
 - can serve as a framework to compare impacts across sectors
- ***Advance preparation of goals, LEDS actions, analyses will support more robust outcome***
- Tool requires ***time to conduct the process*** (typically several days)
- ***Stakeholder involvement is critical*** to success
- ***Further development of tool*** will enhance its value



DIA visual pilots: Next steps

- **Tool improvements:**
 - Exploring developing compendium of development impact causal chains to improve robustness of the tool for both qualitative and quantitative applications.
- **Additional pilots:**
 - Two additional pilots planned for 2014
 - Seeking opportunities to incorporate more quantitative analyses
- **Regional peer learning:**
 - Planning workshops and participating in LEDS GP supports regional platforms in Africa, Asia and Latin America.


Objectives:

- Assist country, regional and local analysts and policymakers to ***identify most appropriate tools and resources*** to assess the impacts and links between development objectives and LEDS
- Get ***detailed information on one or more tools***
- Understand ***how impacts are evaluated in other countries*** and lessons learned



LEDS GP: Development Impacts Assessment Toolkit

http://ledsgp.org/toolkits/dia/





Development Impacts Assessment Toolkit

Home Tools Contacts


Building Low-Emission, Climate-Resilient Development Strategies

The Development Impacts Assessment Toolkit helps country, regional, and local policymakers find tools and resources to assess the impacts of and links between national development approaches and low-emission development strategies (LEDS). This toolkit equips decision makers with information to explore policy options and build consensus with stakeholders to achieve low-emission development that supports national development priorities.




 **Consider the Impacts**


Development impact assessments estimate the broader implications of a proposed or implemented action based on these factors:




Social



Economic




Environmental

 **Assesses Your Development**


Learn how to evaluate the impacts of low-emission development.

GET STARTED

 **Make Informed Decisions**

Find out why you should identify the positive and negative impacts of development.

LEARN HOW

 **Search for Tools**

Find resources to support:

- Economic growth
- Reduced poverty
- Increased jobs
- Improved energy access
- Enhanced health
- Other sustainable developments.

FIND TOOLS

Learn more about LEDS from the [LEDS Global Partnership](#). This toolkit is provided by the [Development Impacts Assessment Working Group](#).

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Case studies

- **Sponsored by the US Government program “Enhancing Capacity for LEDS” and the LEDS GP**
- **Purpose:**
 - Review country analysis of development impacts to inform links between LEDS and development goals
 - Provide examples of country-level experience in DIA of LEDS actions to provide insights to other countries
 - Provide examples of DIA studies on specific topics to inform a searchable database
- **Country-based studies for Indonesia, Mexico, South Africa, Zambia**

Workshops:

DIA and transport in LAC (TBD)

Webinars:

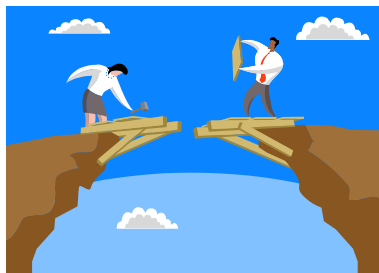
- DIA and transport (September 25, 2013)
- Presenting development benefits of low emission development options (September 2012)
- DIA web application (TBD)
- Suggestions?



Remote Expert Assistance

- **Timely high-quality, no-fee technical assistance:**

- Analysis
- Energy
- Finance
- Transportation
- Waste



- **This may include:**

- *Review draft strategies*
- *Analyze measures or analytic approaches*
- *Compile data* and information
- *Share approaches* that other countries have conducted,
- *Facilitate links with peers*
- *Share lessons learned and best practices* from experiences across countries
- Advise and *provide links to programs that can provide more in-depth assistance* forward

**To submit a request:
Bethany.speer@nrel.gov**



Also...

We welcome your ideas!

**To join the DIA Working Group:
Kathleen.nawaz@nrel.gov**