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# Green Schools NAMA for Saint Lucia Workshop

Manfred Stockmayer

Castries, 17 February 2017



# Agenda



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<b>8.30 – 9.00</b>	<b>Registration</b>
<b>9.00 – 9.15</b>	Welcome remarks <ul style="list-style-type: none"><li>• Government of Saint Lucia (tbc)</li><li>• UNDP – Yoko Ebisawa</li></ul>
<b>9.15 – 9.30</b>	<ul style="list-style-type: none"><li>• Introduction of participants</li><li>• Introduction to the workshop, objectives and expected outcomes – Manfred Stockmayer</li></ul>
<b>9.30 – 10.00</b>	<ul style="list-style-type: none"><li>• Background to Green Schools NAMA, NAMA Scope – Manfred Stockmayer</li></ul>
<b>10.00 – 10.45</b>	<ul style="list-style-type: none"><li>• NAMA Targets – Manfred Stockmayer</li><li>• Discussion – All</li></ul>
<b>10.45 – 11.00</b>	Coffee break
<b>11.00 – 11.30</b>	<ul style="list-style-type: none"><li>• NAMA Interventions – Manfred Stockmayer</li></ul>
<b>11.30 – 12.00</b>	<ul style="list-style-type: none"><li>• NAMA Implementation Structure – Manfred Stockmayer</li><li>• Discussion – All</li></ul>
<b>12.00 – 12.30</b>	<ul style="list-style-type: none"><li>• Summary and next steps – Manfred Stockmayer</li></ul>
<b>12.30</b>	Lunch



# Introduction to the workshop

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- **Workshop brings together all relevant stakeholders**
- **First workshop, more interaction with stakeholders to follow**
- **Roles of workshop participants**

# Workshop objectives

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- **Engaging local stakeholders in the process of designing the NAMA**
- **Strengthen commitment to NAMA implementation**
- **Discussion of targets to be defined for the Green Schools NAMA**
- **Presentation and discussion of possible designs for a Green Schools NAMA in Saint Lucia**
- **Agreeing on a set of measures seen as most promising to reach NAMA targets**
- **Agreeing on NAMA institutional setup**

# Background to Green Schools NAMA

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- **Work on NAMA supported by Japan-Caribbean Climate Change Partnership (J-CCCP)**
- **Capacity building seminar in June 2016 with more than 60 participants**
- **3 NAMA topics under discussion:**
  - Renewable energy
  - Transport
  - Green Schools
- **Decision for Green Schools NAMA**

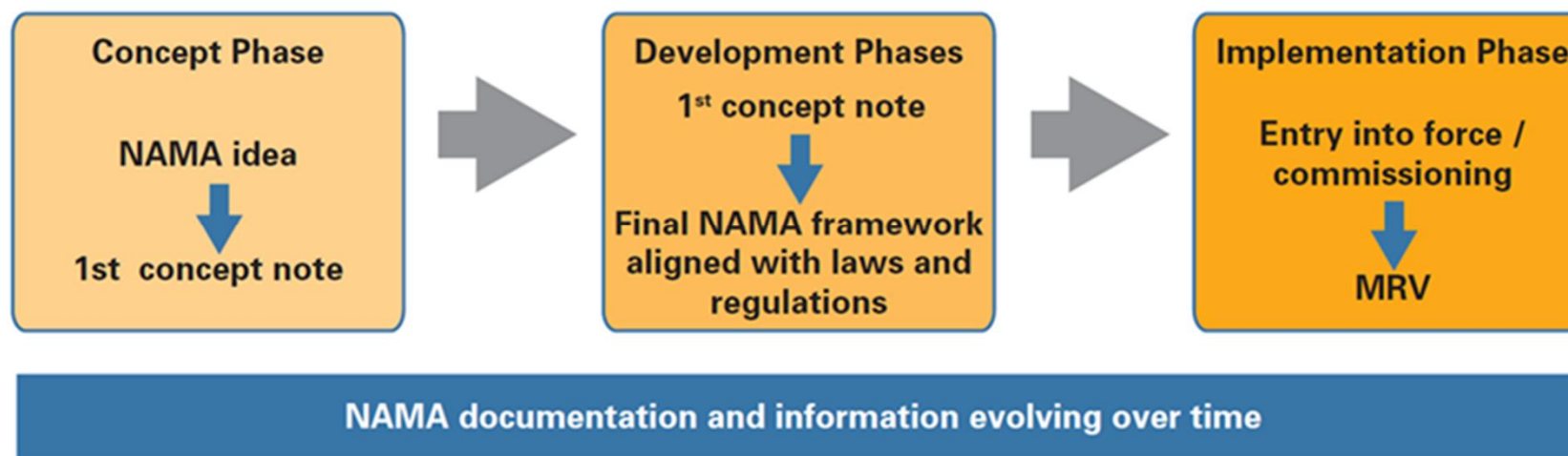


# NAMA process



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## NAMA – Nationally Appropriate Mitigation Action



# Key success factors for NAMAs

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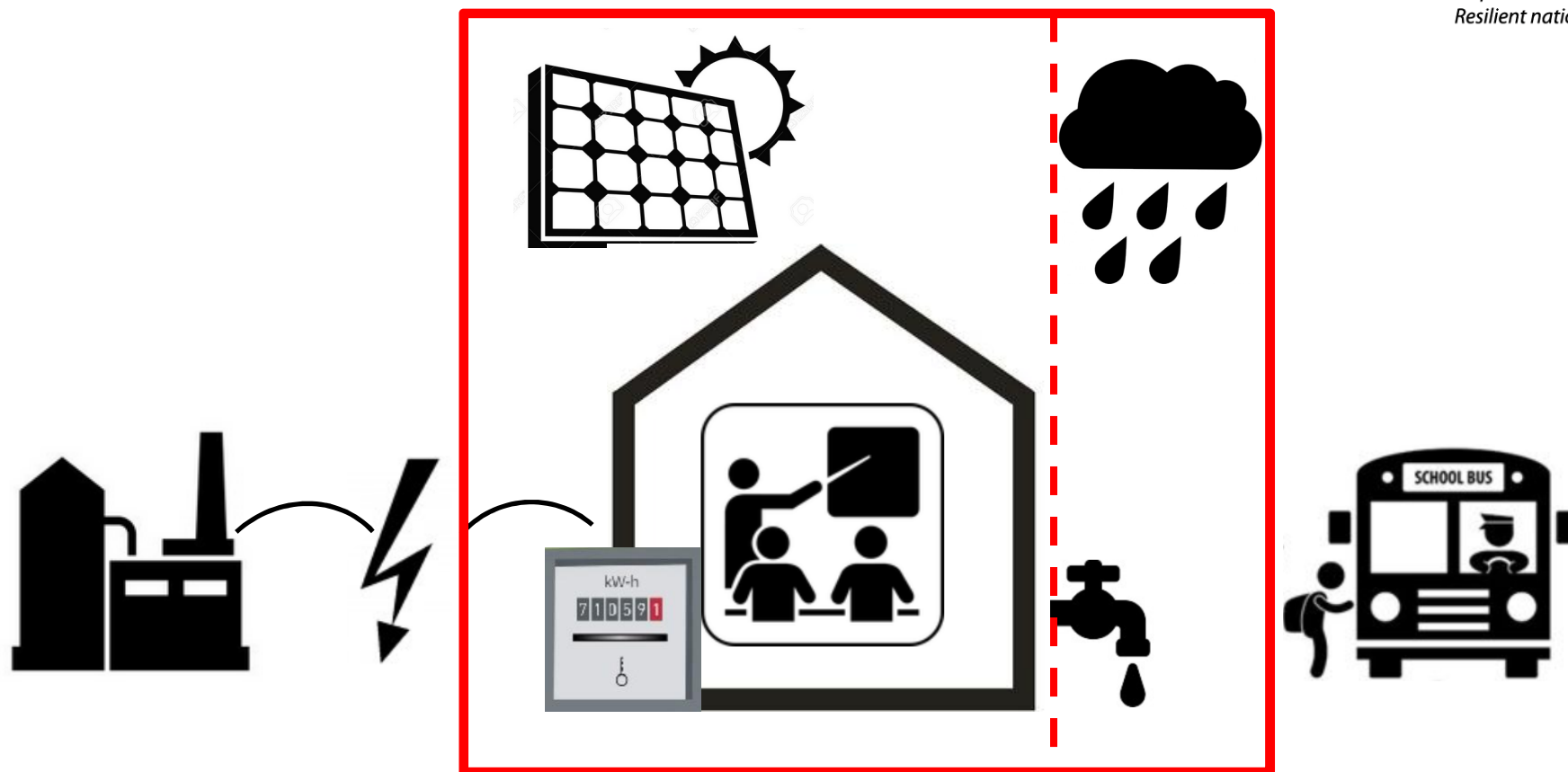
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- **Stakeholder engagement**
- **„Champion“ to drive NAMA development process**
- **Focus**
- **Embedding in national/regional policies**
- **Additional effort**
- **GHG emission reductions and sustainable development benefits**
- **Balanced financing requirements**
- **Transformation**

# NAMA Scope



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- Do the stakeholders agree with the definition of the NAMA scope?





# Policy framework for NAMA targets I

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- **Saint Lucia National Energy Policy (NEP)**
  - Published in 2010, main guidance document for energy policy of Saint Lucia
  - Relevance for Green Schools NAMA: recommendations on use of renewable energies
  - NEP defines renewable energy targets of 15 per cent in 2015 and 30 per cent in 2020 (through wind power, biomass, solar thermal, photovoltaic, hydropower and geothermal energy)
- **Second National Communication on Climate Change (SNC)**
  - Finalised in 2011, reports on the GHG emissions
  - Relevance for Green Schools NAMA: lists mitigation actions:
    - Measure #8: Auto-generation and co-generation
    - Measure #10: Improved energy efficient appliances and lighting through the use of standards
    - Measure #11: EE Building Code (strengthen energy efficiency in the Building Code)
    - Measure #18: Demand-side management (DSM) program for electricity



# Policy framework for NAMA targets II

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- **Intended Nationally Determined Contribution (INDC)**
  - Communicated to UNFCCC in November 2015
  - Saint Lucia confirms a conditional target of a GHG emission reduction of 16 per cent by 2025 and a reduction of 23 per cent by 2030
  - Relevance for Green Schools NAMA: mentions energy efficient buildings, energy efficient appliances and electricity generation (with a 35 per cent renewable energy target by 2025 and 50 per cent by 2030 - geothermal, wind and solar energy)
- **National Environmental Education Strategy for Saint Lucia 2012 – 2017**
  - To facilitate the operationalisation of the National Environmental Education Policy
  - Relevance for Green Schools NAMA: *“All Saint Lucians should be equipped with the knowledge and skills required to contribute meaningfully to sound environmental management and the sustainable development of Saint Lucia.”*



# Summary policy framework

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- **Renewable energy target in electricity generation of 30 per cent by 2020 (NEP)**
- **Renewable energy target in electricity generation of 35 per cent by 2025 and 50 percent by 2030 (INDC)**
- **GHG emission reduction of 16 per cent by 2025 and 23 per cent by 2030 (INDC)**
- Implementation of the measures related to auto-generation, energy efficiency, building code and demand-side management (no quantitative targets formulated)
- Knowledge and skills for pupils required to contribute meaningfully to sound environmental management and the sustainable development (no quantitative targets formulated)

# NAMA Sustainable Development Indicators



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Environment	Social	Growth and development	Economic	Institutional
<p>Air pollution/quality</p> <p>Water pollution/quality</p> <p>Soil pollution/quality</p> <p>Others (noise/visibility)</p> <p>Biodiversity and Ecosystem balance</p> <p>Climate change adaptation and mitigation</p>	<p>Health</p> <p>Livelihood of poor, poverty alleviation, peace</p> <p>Affordability of electricity</p> <p>Access to sanitation and clean drinking water</p> <p>Food security (access to land and sustainable agriculture)</p> <p>Quality of employment</p> <p>Time savings/time availability due to project</p> <p>No child labour</p>	<p>Access to clean and sustainable energy</p> <p>Education</p> <p>Empowerment of women</p> <p>Access to sustainable technology</p> <p>Energy security</p> <p>Capacity-building</p> <p>Equality (quality of jobs given, job condition for men/women)</p>	<p>Income generation/expenditure reduction/balance of payments</p> <p>Asset accumulation and investments</p> <p>Job Creation (number of men and women employed)</p>	<p>Policy and planning</p> <p>Laws and regulation</p>

# NAMA Targets

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- Which targets should be defined for the Green Schools NAMA?
- Which sustainable development indicators should be chosen for the NAMA?
- Which target shall be aimed at for each of the indicators?

# NAMA Interventions

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- **A definite set of measures within the NAMA scope**
- **Policy vs project focus**
- **Definition of eligibility criteria**
- **Actors for implementation**
- **Approval structure**
- **Costs**
- **Targeted impacts**

# Suggested NAMA Interventions

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- **Component 1 – Energy efficiency: reducing energy input in all types of energy consumption (e.g. lighting, computers/internet, AC,...)**
- **Component 2 – Renewable energy: increase the share of renewables by using solar PV**
- **Component 3 – Water efficiency: grey water recycling, rain water cisterns**
- **Component 4 – Training and capacity building : Knowledge and skills for pupils required to contribute meaningfully to sound environmental management and the sustainable development**

- Do these 4 components cover the opportunities in this NAMA?
- Should there be a special focus on certain components?
- How to make sure that there are potential synergies for other NAMAs (e.g. renewable energy NAMA)?



# Barriers for NAMA implementation

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- **Component 1 – Energy efficiency: reducing energy input in all types of energy consumption (e.g. lighting, computers/internet, AC,...)**
- **Component 2 – Renewable energy: increase the share of renewables by using solar PV**
- Component 3 – Water efficiency: grey water recycling, cisterns
- **Component 4 – Training and capacity building : Knowledge and skills for pupils required to contribute meaningfully to sound environmental management and the sustainable development**



# NAMA Institutions

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- **NAMA National Focal Point or National NAMA Approver (NA)**
- **NAMA Coordinating Authority (NCA)**
- **NAMA Implementing Entity (NIE)**
- **NAMA Executing Entities (NEEs)**

# NAMA Institutions

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## National NAMA Approver/Focal Point

The national NAMA Approver or Focal Point shall inter alia:

- approve NAMAs which shall be registered at the UNFCCC;
- provide guidance to sectoral NAMA coordinating entities (access to climate finance, financial flows, MRV etc.);
- issue procedures for accounting of emission reductions to avoid double counting of emission reductions from various implemented NAMAs;
- support the preparation of the National Communication, Biennial Update Reports, Summary of GHG Reductions etc.

# NAMA Institutions

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## NAMA Coordinating Authority (NCA)

coordinates the proposed Green Schools NAMA. Main tasks:

- acting as primary contact for international donor(s);
- managing and directing the NAMA;
- approving
  - NAMA targets
  - implementation process with regards to submissions of project applications and disbursement of funds;
- approving and updating eligible interventions,
- approving annual monitoring reports prepared by the NIEs (covering inter alia: number of projects implemented, calculation of emission reductions etc.);
- supervising the financial flows between donors and beneficiaries.

# NAMA Institutions

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## NAMA Implementing Entity (NIE)

Responsible for handling the financial flow from funding entities to the beneficiaries as well as project approval. Main operative body. Tasks:

- Ensure proper transfer and disbursement of funds from the donors to the recipients Prepare reports to NCA/donors
- Capacity Building for institutions and companies involved
- Development of technical standards for equipment/installations used under the NAMA
- Coordination of promotion and awareness raising campaigns and coordinates to support the implementation of the NAMA
- Integration of the private sector into NAMA implementation
- Coordination of monitoring activities and preparation of monitoring reports for all interventions
- Facilitation and coordination of verification through the external entity designated to this task.
- Reporting to the NCA to fulfill reporting requirements towards the donor



# NAMA Institutions

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## NAMA Executing Entities (NEEs)

The NAMA Executing Entities (NEEs) are the companies and/or institutions which will implement projects under the NAMA. Each NEE will:

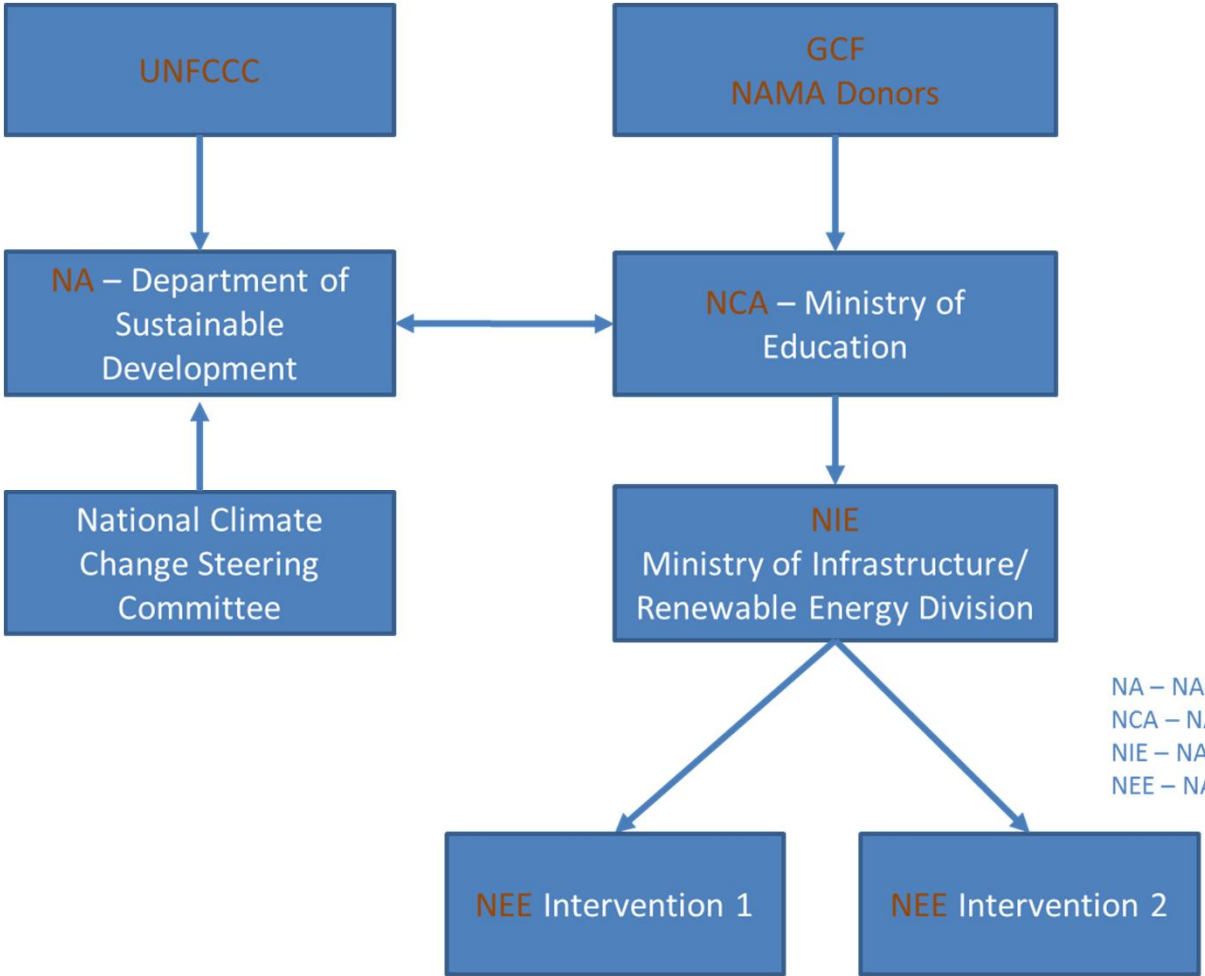
- implement projects in compliance with the rules of each intervention;
- inform the NIE about the performance of their projects; and
- collect data for monitoring purposes (requirements will be communicated by the NIE based on the MRV).

- Which institutions can take the different roles (NAMA Approver, NAMA Coordinating Entity, NAMA Implementing Entity)?
- What is the potential role of the National Climate Change Steering Committee in the NAMA?

# Proposed NAMA institutional setup



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NA – NAMA Approver  
 NCA – NAMA Coordinating Authority  
 NIE – NAMA Implementing Entity  
 NEE – NAMA Executing Entity

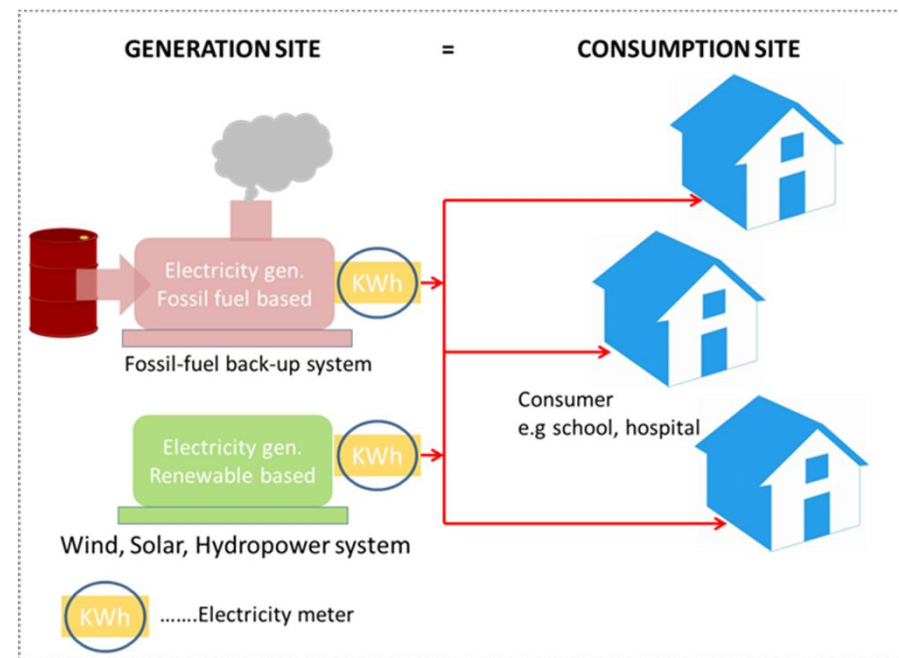
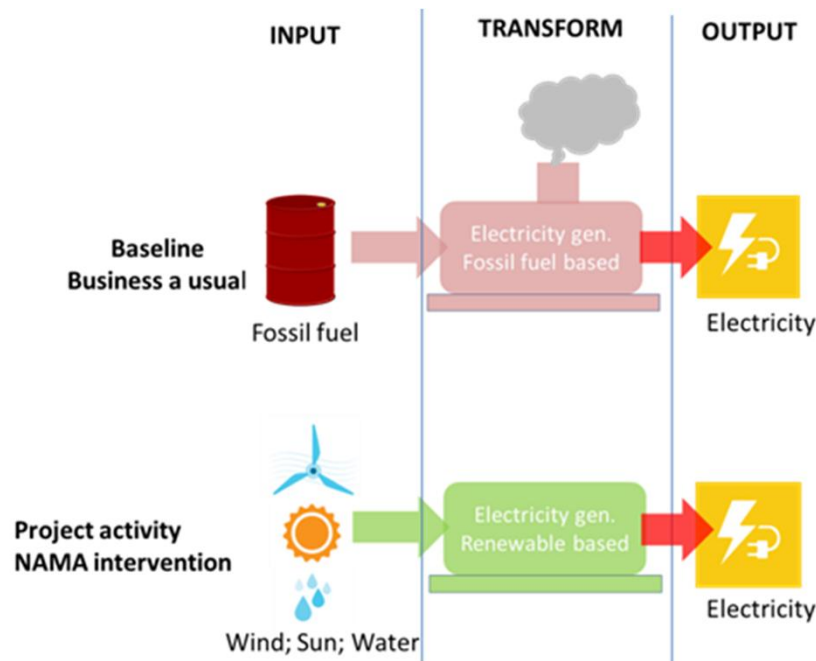


# Example for NAMA

## Measuring Reporting Verification (MRV)



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# Next steps

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- **Preparation of draft NAMA document – May 2017**
- **Second stakeholder consultation**
- **Revision of draft NAMA document**
- **Stakeholder review period**
- **Final NAMA document – November 2017**





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For questions, please contact:

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