NAMA Facility

On behalf of
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
Department for Business, Energy & Industrial Strategy
Danish Ministry of Climate, Energy and Utilities
CIFF CHILDREN'S INVESTMENT FUND FOUNDATION

Evaluation and Climate Finance: Key Lessons from the NAMA Facility and Beyond

26 January 2022

Programme and Project Level Perspectives

3:00 PM	Welcome and Introduction
3:15 PM	**Evaluation and Learning to Support Climate Action** Laura Hayward and Raquel De Luis, Ipsos MORI
3:30 PM	**Evaluation and Learning in Practice: Thai Rice NAMA support project** Ole Henriksen, GIZ Thailand
3:45 PM	**Learning and Replication Beyond Project Implementation** Pan Piyasil, GIZ Thailand
4:00 PM	**Evaluation and Transformational Change** Luca Petrarulo, Ambero and Oxford Policy Management
4:15 PM	**Q&A**
4:30	Closing

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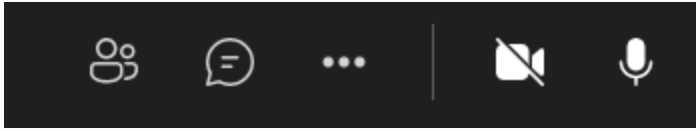
Pop Quiz!

Technical Overview

- Welcome to Microsoft Teams!
- Control panel in the top right corner of your screen:
    1. Please mute yourself when not speaking
    2. Please raise your hand to speak
    3. Please submit your questions/comments in the chat



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Evaluation & Learning to support climate action

Raquel de Luis, Laura Hayward

26 January 2022

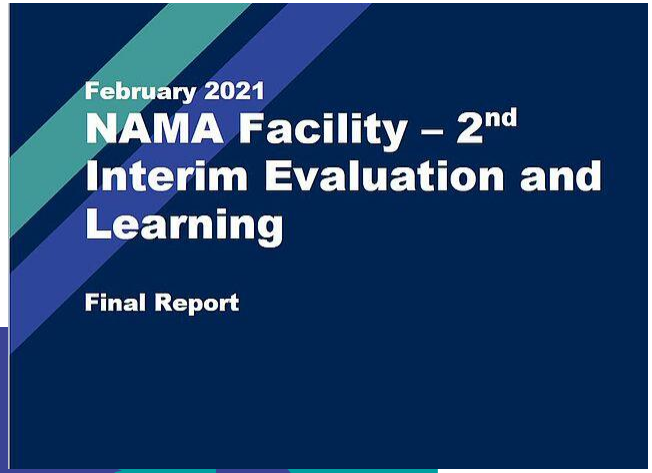
2nd Independent Evaluation

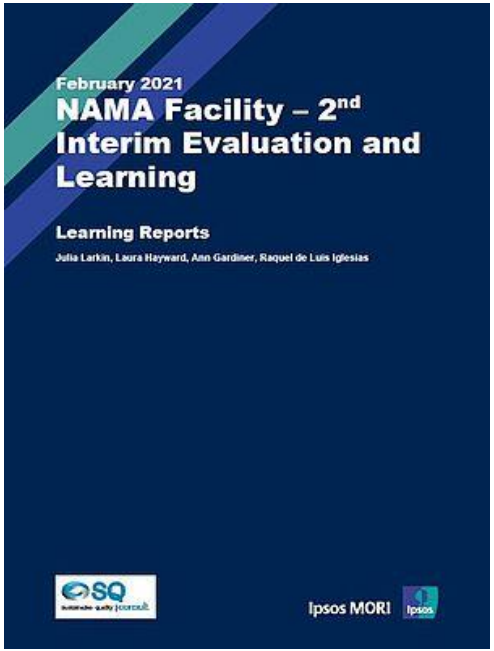
Key aspects

- March 2020 – February 2021
- **Main objective**: Provide validation as to whether the NAMA Facility was on the right track in:
  - Selecting NSPs
  - Disseminating learning
  - Supporting transformation to a low-carbon society

2nd Independent Evaluation

Outputs





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Learning Reports

1 Optimising theories of change for promoting and enabling transformational change

2 Pathways for enhancing knowledge and lesson sharing

3 Pathways for enhancing local ownership

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Enhancing knowledge and lesson sharing

Current approaches to knowledge and learning

The NAMA Facility's approach

A core aim of the NAMA Facility is to **become a learning hub and to generate demonstration effects** through its projects. It seeks to:

- **Inspire others** to raise their ambition, replicate projects and establish sectoral best practices.
- Contribute to **international debates** on climate finance and transformational change.

To do this, the NAMA Facility shares **project factsheets** on their **website** and at international climate **meetings**, and **coordinates** periodically with other funds.

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Pathways for enhancing knowledge dissemination and learning

1

Have a strategy that evolves as the context changes.

2

Tailor outreach and knowledge dissemination strategies to effectively engage different audiences.

3

Optimise cross-collaboration with other programmes and initiatives.

4

Support interactive workshops on what works to facilitate peer to peer exchange.

Key elements within these pathways

1

Have a strategy that evolves as the context changes.

This includes developing a strategy and, most importantly, **dedicating sufficient resources to implement it**:

- Having a learning **budget** that is appropriate to the fund size.
- Dedicated **staff** with relevant skillsets.
- Periodic **review and updating** of the knowledge and learning strategy.

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Key elements within these pathways

2

Tailor outreach and knowledge dissemination strategies to effectively engage different audiences.

The basis of a good strategy is to **map the different audiences** and **tailor** the communication products and channels to reach each of the audience groups.

- Use short videos, interactive online presentations, infographics, reports and briefs.
- Disseminate on websites, e-mail, social media, webinars, conferences and side events, and exchange forums.

Key elements within these pathways

3

Optimise cross-collaboration with other programmes and initiatives.

There are several funds supporting transformational change in similar ways. Coordination can:

- Increase **synergies**, as it benefits all funders to know as early as feasible who is funding what, where, and why.
- Facilitate comprehensive **learning**, e.g. on lessons from projects on a particular sector.
- Expand **reach**, e.g. by collaborating on outputs and events.

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Key elements within these pathways

4

Support interactive workshops on what works to facilitate peer to peer exchange.

Host regional and/or sectoral peer to peer exchanges through interactive platforms (e-lists, webinars, workshops…) that incorporate **lessons from multiple funds.**

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Applying these pathways to the NAMA Facility

A small fund like the NAMA Facility that has projects coming to completion could expand on its Knowledge Creation Strategy to include a mapping of stakeholders, needs, knowledge products and mechanisms that is consistent with its objectives and supported by dedicated budgets, staffing, targets, and milestones.

The outreach could include thematic knowledge products that highlight lessons learnt across the fund's portfolio.

THANK YOU.

Raquel de Luis, Ipsos MORI
Laura Hayward, Ipsos MORI

For more information:
Raquel.iglesias@Ipsos.com

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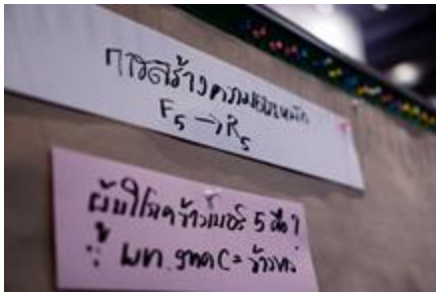
Thai Rice NAMA



Overview of Thai Rice NAMA

Goal

To achieve transformational change from conventional to low-emission sustainable rice farming in Thailand

Target

- 100,000 farmer households in 6 provinces in the Central Plain (Chainat, Angthong, Pathum Thani, Singburi, Ayutthaya, and Suphanburi).
- An area of app. 450,000 ha of paddy and an annual rice production of around 4 million tons.
- Reduce GHG emissions by 1.73 million tCO2eq over 5 years of project implementation.

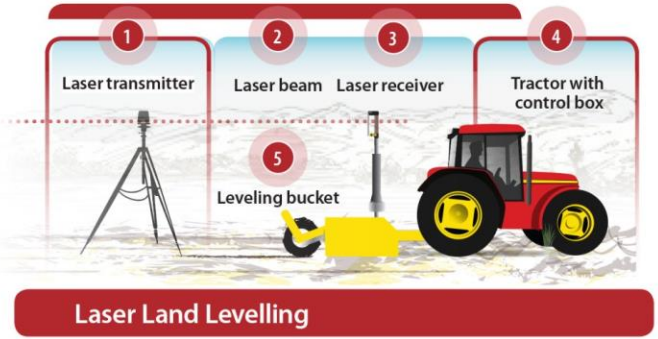
Duration

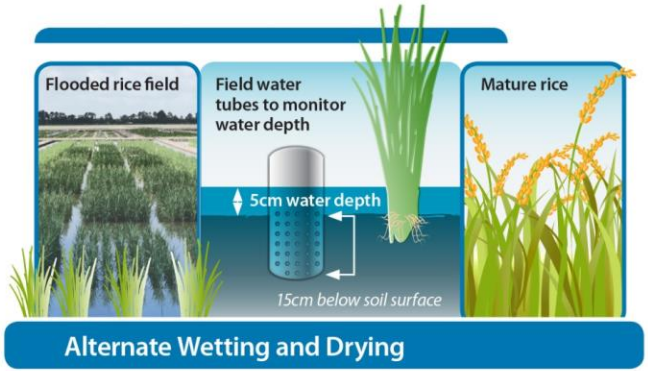
- 5 years from Aug 2018 – Jul 2023

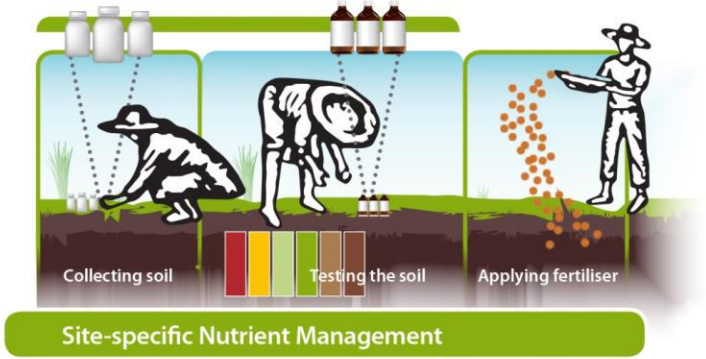
Budget

- 14.9 million Euro
  - Technical 6.5 m Euro
  - Financial 8.4 m Euro
- Integrate with govn't budget 9.1 m Euro (in-kind)

Mitigation Technologies







Mid-term Learning and Evaluation

Mid-term review

- Conducted during the period June - September 2021
- Added value for the project: outside perspective on challenges and recommendations for the way forward
- Due to the Covid pandemic it was conducted virtually instead of onsite

Mid-term Learning and Evaluation

How can the project make best use of the evaluation and learning exercise?

- ***Be proactive*** already in providing inputs to the Terms of Reference for the exercise

Precondition for successful implementation of recommendations:

- Evaluation team ***listens*** to implementing partners – not necessarily agreeing

Mid-term Learning and Evaluation

Translating evaluation results into learnings

- Present and discuss the key findings, lessons learned and recommendations in the Project Steering Committee
- Use and translate the Executive Summary into local language
- Project Steering Committee endorses implementation of recommendations
- Discuss lessons learned and recommendations with the NAMA Facility (Donors)

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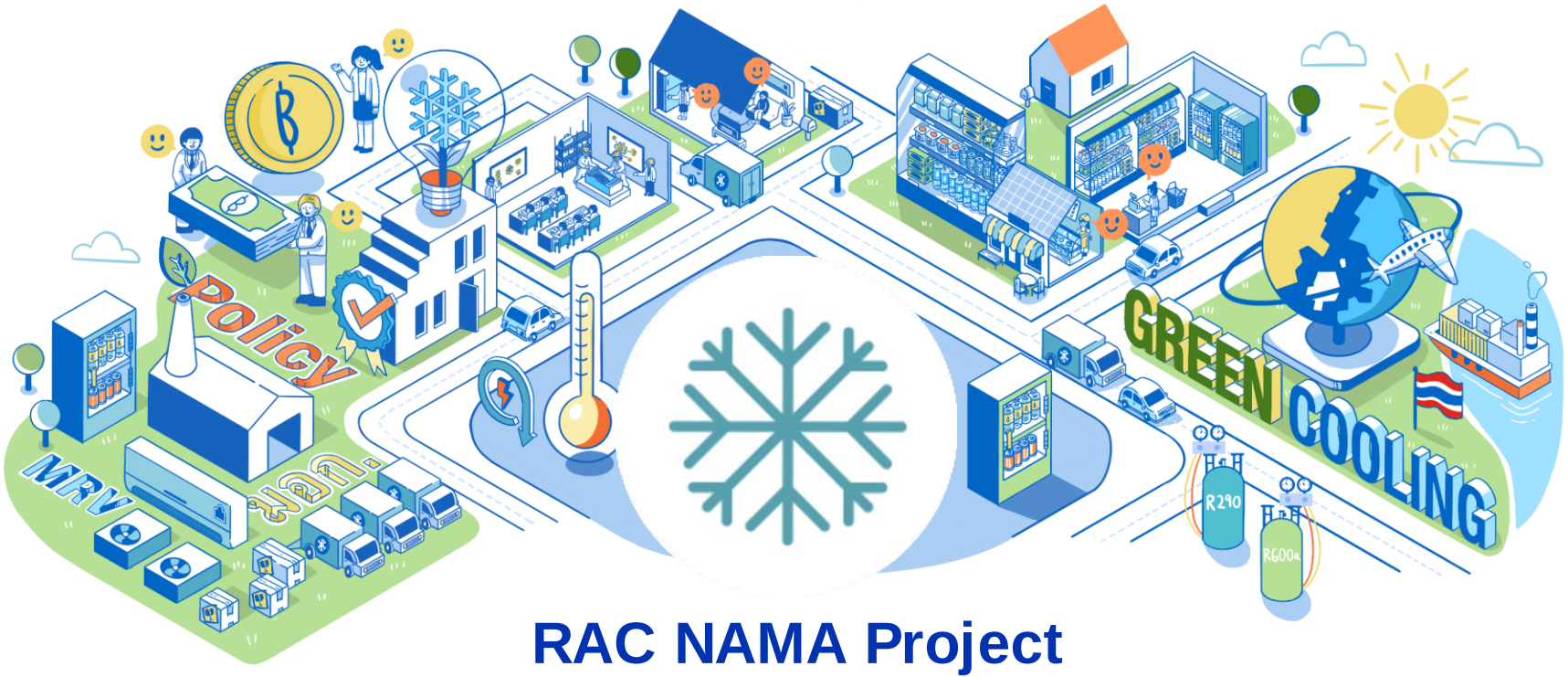

RAC NAMA Project

Learning and replication beyond project implementation

Mr. Pan Piyasil, Project Manager (Technical Component)

Date & Time: 26 January 2022

Venue: MS Teams

Department of Alternative Energy Development and Efficiency
MINISTRY OF ENERGY

EGAT

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

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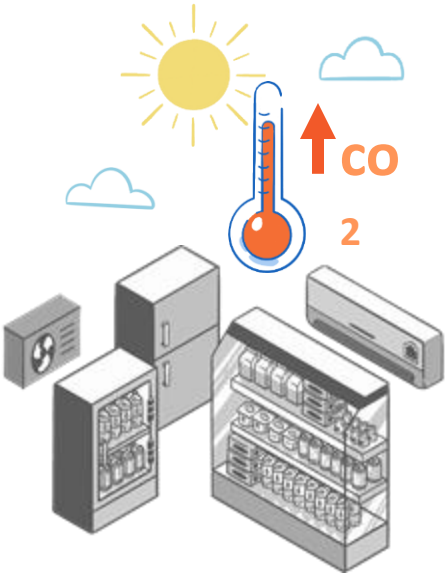
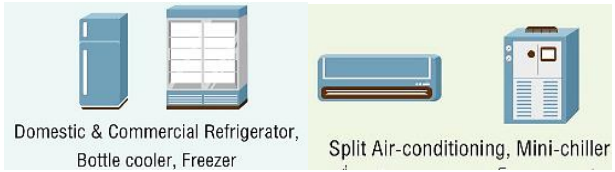
Department for Business, Energy & Industrial Strategy

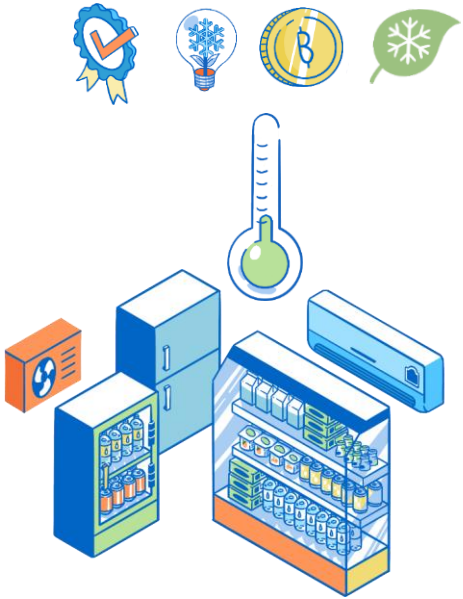
RAC NAMA IN A NUTSHELL



Project objective

Initiate transformational changes toward green cooling





Thailand Then

Dominated by synthetic refrigerants with high GWP

Thailand Now

Early-stage adoption of natural refrigerants

RAC NAMA FUND

1st Climate Finance in Thailand

EGAT RACNAMA Fund giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

RAC NAMA Fund

(Dec 2017– Mar 2021)

RACNAMA Fund

German and British Governments

NAMA Facility

8.3 Million Euro

(About 300 MTHB)

Managed by

EGAT

To promote market introduction of green cooling technologies with financial instruments designed for various target beneficiaries

Various Financial Mechanisms for Market Transformation

SUPPLY

Interest-free loan and grant for production line conversion

DEMAND

PR and marketing campaign for demand boosting

R290 Training Thailand

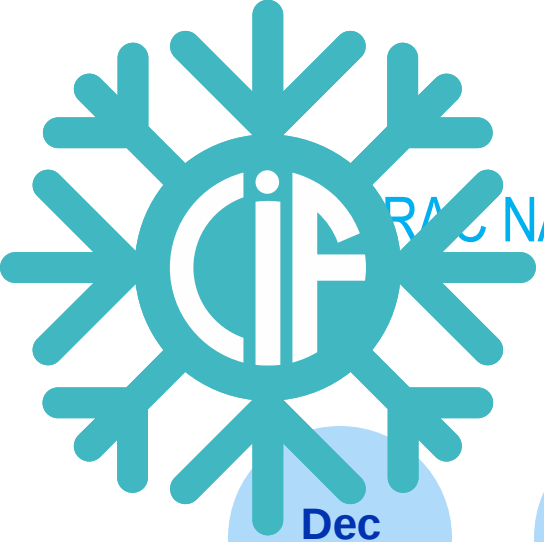
สถาบันไฟฟ้าและอิเล็กทรอนิกส์ ELECTRICAL AND ELECTRONICS INSTITUTE

SERVICE SECTOR

8 training centers established with 222 trainers trained

Upgrade testing facility for natural refrigerant products

RAC NAMA Fund to *"Cooling Innovation Fund"*



Dec 2017

Grant Agreement between GIZ and EGAT and the ***establishment of RAC NAMA fund***

2017 – 2020

Various financial schemes had been implemented

Q2/ 2021

Concluding Agreement between GIZ and EGAT

RAC NAMA Project ended in July 2021

Oct 2021

Beginning of

Q1/ 2022

Start of implementation

RACNAMA Fund

EGAT

COOLING INNOVATION FUND

BACKGROUND

- Approx. 180 million Baht left as remaining fund
- EGAT has proven to be a capable Fund Manager in efficiently managing the Fund
- The remaining fund has huge potential to provide further support for market transformation
- The Concluding Agreement was signed in Dec 2020 and the Cooling Innovation Fund (CIF) was established

Budget of approx. 180 MTHB

OBJECTIVE

To promote sustainable innovation and market transformation towards climate-friendly and energy efficient cooling technologies using natural refrigerants

SCOPE OF SUPPORT

(i) cooling technologies and refrigerant use
(ii) alternative cooling technologies
(iii) special cooling applications
(iv) demand flexibilization
(v) centralized cooling
(vi) business innovation
(vii) life-cycle management, e.g., refrigerant destruction

Cooling Innovation Fund (CIF)

- Monitoring projects and MRV
- Knowledge dissemination (e.g., website and handbooks)
- Networking
- Advisory services
- Capacity building & workshops
- Research and development

Training & Education

- Enhancing outreach: Subsidize trainings at existing training centers
- Expanding new training facilities and cooperation

Demonstration & Pilots

- Demand-side pilots
- Demonstration of new technology and alternative cooling (e.g., solar cooling)
- Circular economy and waste management

Safety & Standards

- Research and development (1) safety (2) product development
- Upgrade testing facility

Some key lessons learnt from
The transition from RAC NAMA Fund to Cooling Innovation Fund

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

EGAT

Trustful cooperation between EGAT and GIZ and

flexibility in adjusting instruments

and strategies at implementing phase

ขอบคุณค่ะ/ครับ

Thank you very much.

Read more about us at https://racnama.org/

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How can evaluations help shape and operationalize the definition of transformational change?

NAMA Facility Learning event

Luca Petrarulo – Team Leader of the Evaluation and Learning Exercise of NAMA Support Projects

26/01/2022

Background

- Transformational change is embedded in the NAMA Facility's goals and Theory of Change (ToC).
- NAMA Support Projects (NSPs) are the main way through which the NAMA Facility will achieve this transformational change.
- Therefore, NSPs need to be aiming to achieve this level of change, and their evaluations should assess their progress towards it.
- However, an operational definition of NSP-induced transformational change and a standard framework to evaluate it was originally missing.
- A framework was therefore created, and it is now used in NSP evaluations across the NAMA Facility portfolio.

BREAKING DOWN NSP-INDUCED TRANSFORMATIONAL CHANGE

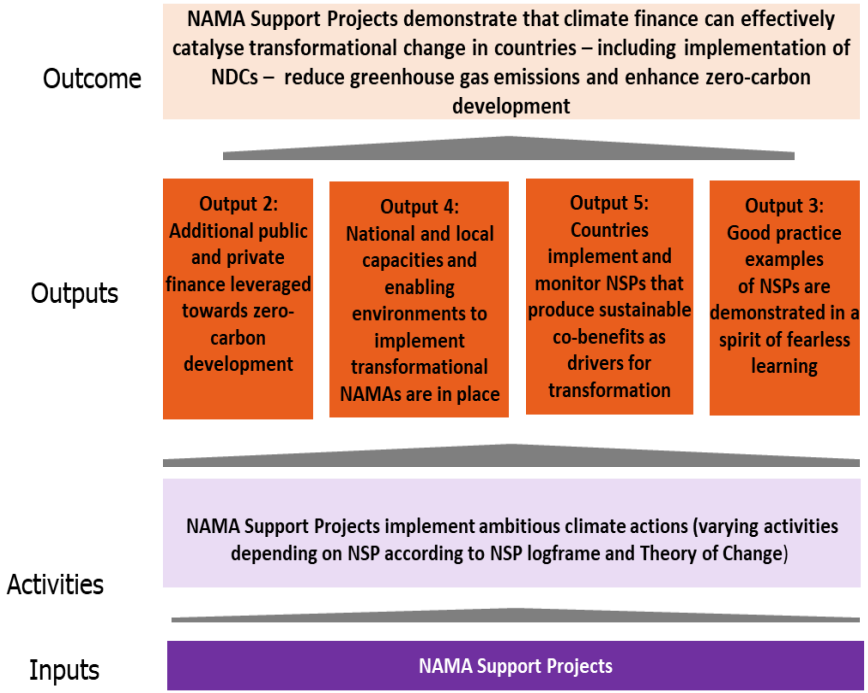
NAMA Facility definition of transformational change:

"Catalytic change in systems and behaviours resulting from disruptive climate actions that enable actors to shift to carbon-neutral pathways"

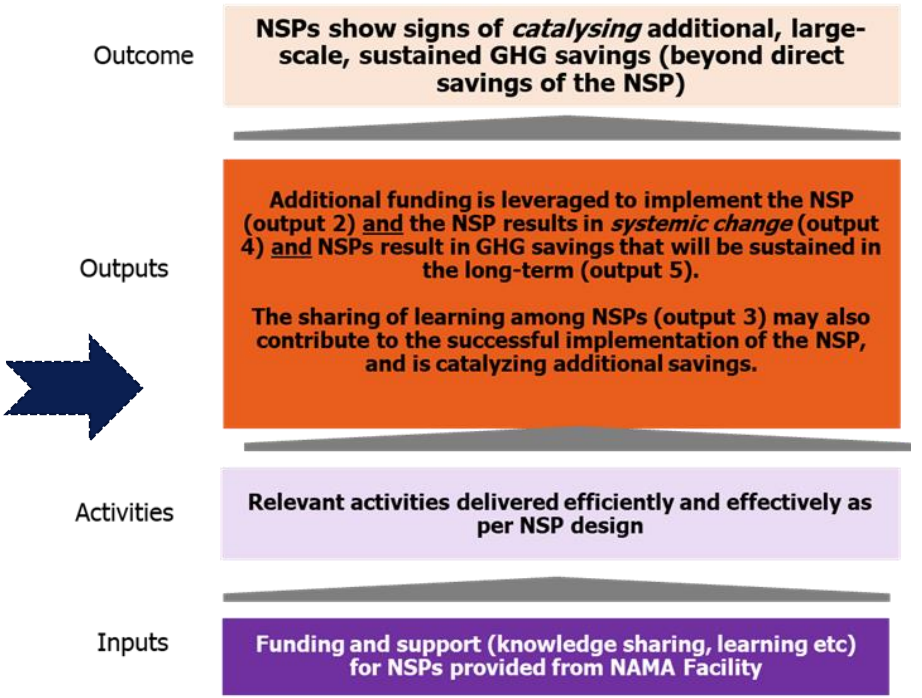
Source: https://www.nama-facility.org/concept-and-approach/transformational-change

Transformational change in the NAMA Facility Theory of Change

Original elements of the ToC on transformational change



Reworded elements of the ToC on transformational change



Dimensions of transformational change

- NAMA Facility ToC explains how transformational change is expected to be achieved.
- The ToC is broad, and there are different ways in which transformational change can be achieved through the NSPs.
- These dimensions simplify the different possible pathways for transformational change outlined in the ToC.
- There are **three dimensions** that build on each other:
  - Dimension 1: Promoted a demonstrational effect and learning
  - Dimension 2: Caused a catalytic effect
  - Dimension 3: Contributed to additional, large-scale and sustained GHG savings

Dimension 1: Promoted a demonstrational effect and learning*

The most direct way in which an NSP can contribute to transformational change is to produce a demonstrational effect and learning process which could imply that:

- The NSP's innovative approach / methodology has been proven valid and bought into by government and other key beneficiaries
- Self-reflection and learning by the NSP in a spirit of 'fearless learning'
- Learning among other similar projects and actors
- Learning among NSPs

The demonstrational effect and learning are enablers of the NSP's catalytic effect (Dimension 2).

By mid-line, NSPs are expected to show interim signals of achieving this demonstrational effect and learning process, which should have become clear evidence by the end-line.

**This relates to 'output' 3 in the NAMA Facility Theory of Change and, to some extent, to the NAMA Facility Knowledge Creation Strategy*

Dimension 2: Caused a catalytic effect*

For the change induced by the NSP to be transformational, the project has to initiate a catalytic effect as a result of one or more of the following:

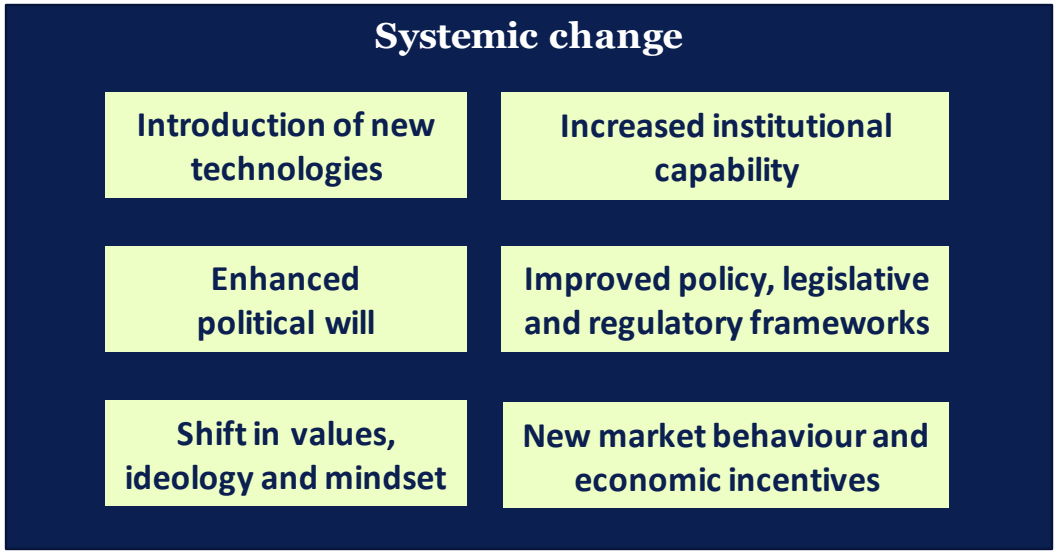
- Kick-starting wider NAMA or NDC implementation, by mobilising finance, building political will, and/or piloting models of implementation;
- Replication of the NSP's demonstrated approach in other sectors or locations, and/or significant scaling-up of the NSP;
- 'Systemic' change enabled by the NSP (see next slide).

By mid-line, NSPs are expected to have produced some early signs of one or more of these changes (or that they are likely in the near future), which by the end of the project should have been strengthened.

**This relates to 'outputs' 2, 4 and 5 in the NAMA Facility Theory of Change and Mandatory Core Indicator M3 (catalytic impact self-assessment) and M4-M5 (public/private finance mobilised)*

Dimension 2: Caused a catalytic effect…contd.

What does 'systemic' change enabled by the NSP mean? There are lots of different ways this change can happen, for example:



…all of which can produce indirect (perhaps unintentional) additional GHG savings.

Dimension 3: Contributed to additional GHG savings*

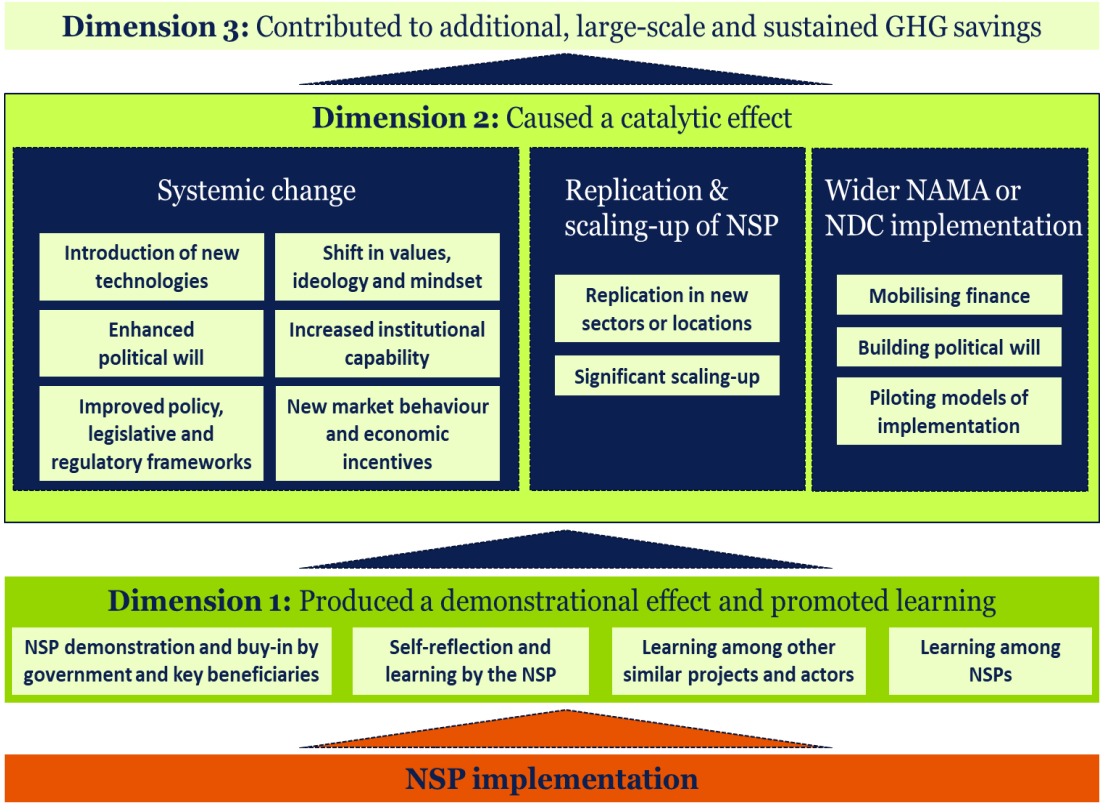
The NSP has resulted in *additional, large-scale and sustained GHG savings*.

- *Additional* = the GHG savings achieved are in addition to those achieved by the direct implementation of the NSP.
- *Large – scale* = the additional GHG savings will have a significant impact on overall GHG savings in the geography/ sector.
- *Sustained* = there is no chance of the GHG savings being reversed.

NSPs, within the lifetime of the project, are not expected to have achieved this. But, by the end of the project, there should be signs that this is likely in the future.

**This relates to the 'outcome' in the NAMA Facility Theory of Change and Mandatory Core Indicator M1 – Reduced GHG emissions*

Dimensions of NSP-induced transformational change



	Minimum expectations of the NSP at mid-line	***Minimum expectations of the NSP at end-line***
Dimension 3: Contributed to additional, large-scale and sustained GHG savings	*No signals*	*Early signals*
Dimension 2: Caused a catalytic effect	*Early signals*	*Interim signals*
Dimension 1: Produced a demonstrational effect and promoted learning	*Interim signals*	*Advanced signals*

Transformational Change "Signals" assessment by NSP evaluations

Signal level	Definition
No evidence	Evidence suggests **little to no progress** is being made in line with the ToC causal pathways to transformational change.
Early signals	There is **emerging evidence of the transformation** related to the dimension, or the **foundations for the transformation** have been laid by the NSP but no signals of the change are present.
Interim signals	Evidence shows **some signals** that the transformation related to the dimension is underway and it is likely to continue.
Advanced signals	Evidence shows **strong signals** that the transformation related to the dimension is underway and there is little doubt that it will continue.

Conclusions

- The NSP-induced Transformational Change Framework presented aligns with the NAMA Facility ToC, providing more details in the dimensions through which NSPs can induce transformational change.
- NSP evaluations now have a standardised way to assess progress towards transformational change across the NAMA Facility portfolio.
- Meta-analysis studies will be used to validate and refine the framework.

THANK YOU

For more info:

Luca Petrarulo

Evaluation and Learning Exercise of NAMA Support Projects

Email: petrarulo@ambero.de


AMBERO
Consulting Gesellschaft mbH


Oxford Policy
Management

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Questions?

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