



Ministry of
Traffic, Transport & Urban Planning
Meteorological Department



Curaçao
Climate Change
Policy Assessment



Curaçao
National
Commission
for UNESCO



Curaçao Climate Change Road Map

Albert Martis (Chair)
Director Meteorological Department Curaçao



Outline



- Opportunities for Curaçao
- Impact of Climate Change
- Proposed Approach
- Curaçao Climate Change Road Map (2030)





Opportunities for Curaçao



1. Renewable Energy Industry

2. Export Technology.



Ocean Water Assisted Cooling



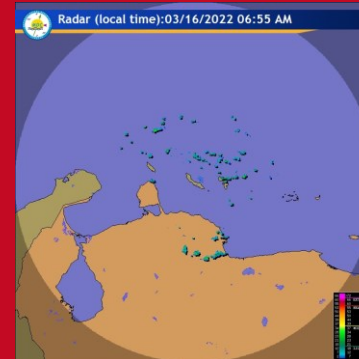
**Tony van Sprang
LAC Energy
Engineer of the
Year 2017 Award**



Kunukito



RDK Living Lab



Cooperation with Columbia





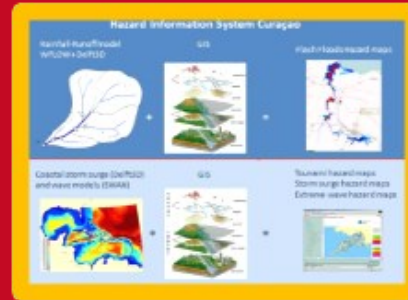
Opportunities for Curaçao



3. NetZero Destination



4. Indirect Investments



Flood Guidance System
IOC-UNESCO: 2 Millions

Resilience Projects
EDF: 20 Millions

5. Import Reduction

	Import Millions ANG	Local Production Millions ANG
Energy	268	98 (36%)
Food	450	36 (8%)
GDP	12.6%	2.4 %



Climate Change Industry

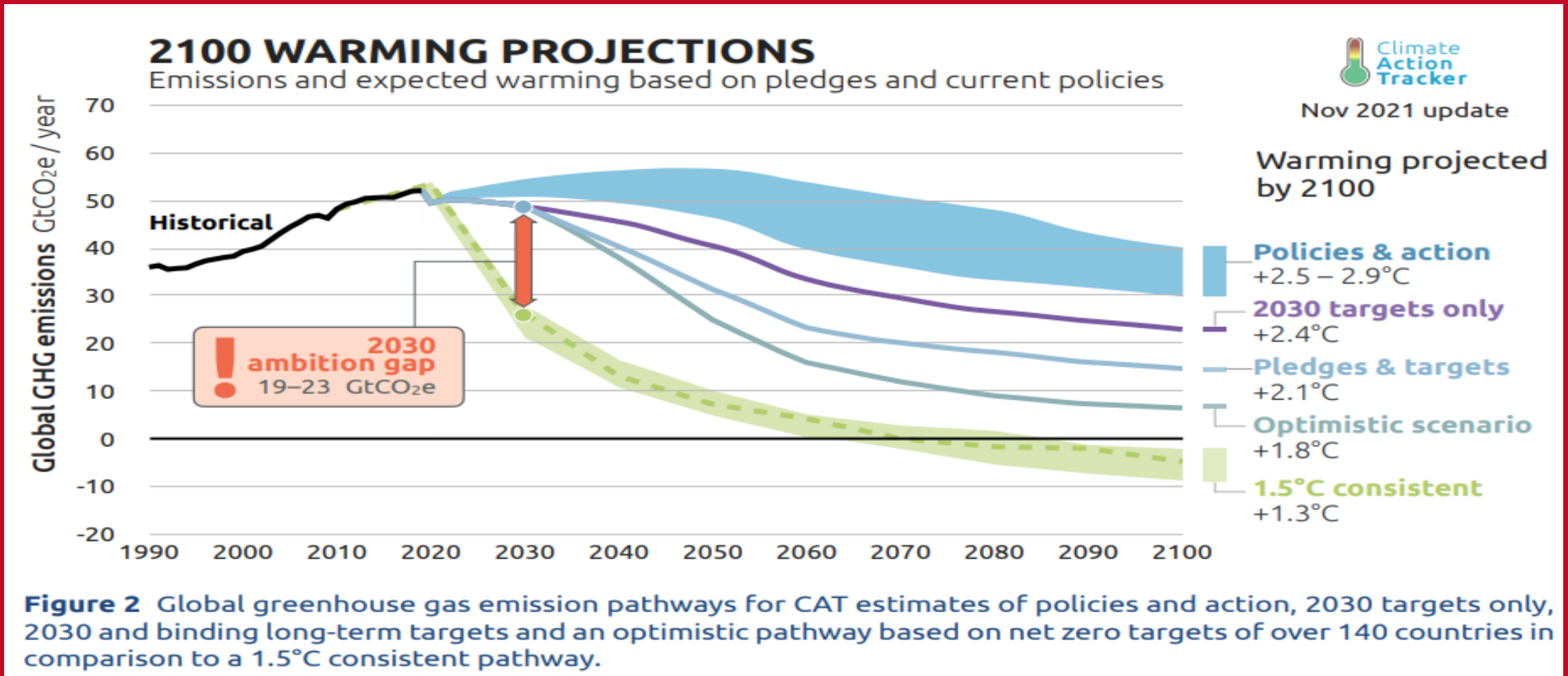
Green Jobs



Impact	Mitigation	Adaptation
Natural Scientists	Wave Energy Engineers	Water Quality Technicians
Climate Change Scientists	Clean Car Engineers	Environmental Scientists
Ecologist	Recyclers	Risk Management Consulting
Marine Biologist	Wind Energy Engineers	Green Design/Builders
Health Engineers	Solar Cell Technicians	Conservation Engineers
Economists	Biofuel Farmers	Urban Growers
Environmental Policy advisors	Financial experts	Project Management Consultants
International Consultants	International Consultants	Sustainability Experts



Outcome Glasgow COP26



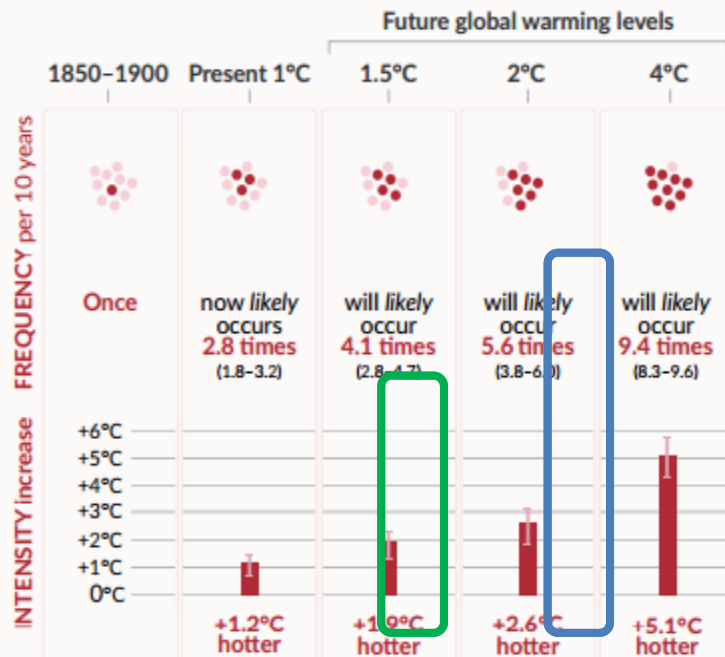


Impacts of Climate Change

Hot temperature extremes over land

10-year event

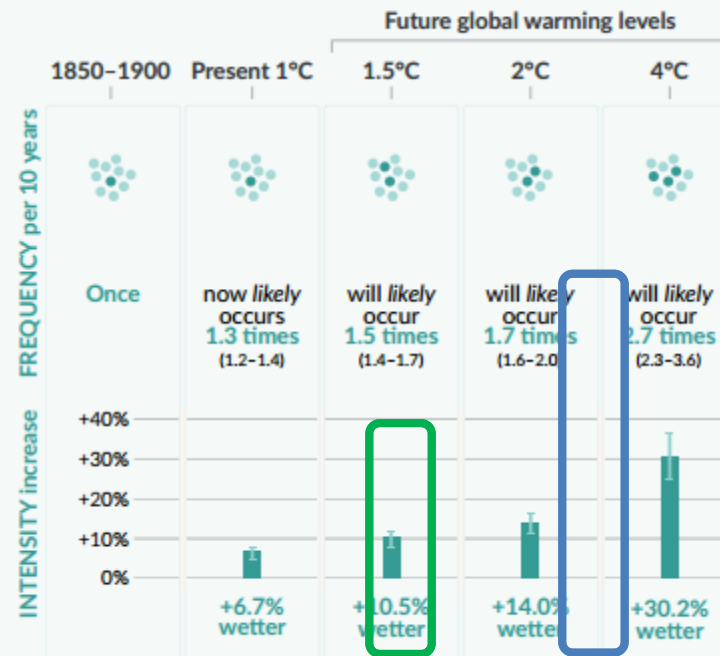
Frequency and increase in intensity of extreme temperature event that occurred once in 10 years on average in a climate without human influence



Heavy precipitation over land

10-year event

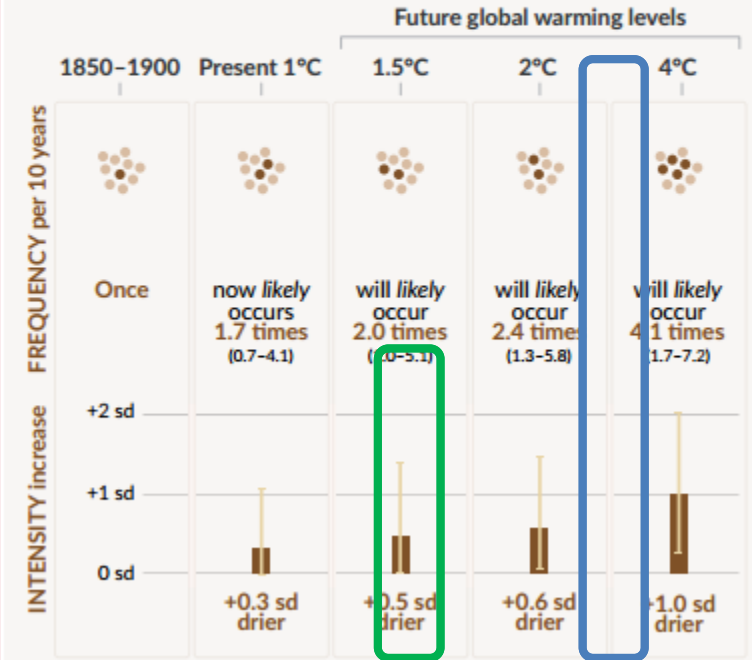
Frequency and increase in intensity of heavy 1-day precipitation event that occurred once in 10 years on average in a climate without human influence



Agricultural & ecological droughts in drying regions

10-year event

Frequency and increase in intensity of an agricultural and ecological drought event that occurred once in 10 years on average across drying regions in a climate without human influence





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Summary Policy Assessment 2019



Curaçao Climate Change Policy Assessment

- 4 Organizational Challenges
- 10 Priorities
- 3 Crosscutting issues
- 10 Policy topics
- 50+ Relevant stakeholders



UNESCO
participation program
(USD 15.000)

Recommendation:

Develop a mechanism that incorporate relevant stakeholders in order to design the national mitigation and adaptation plans.

Curaçao Climate Change Platform

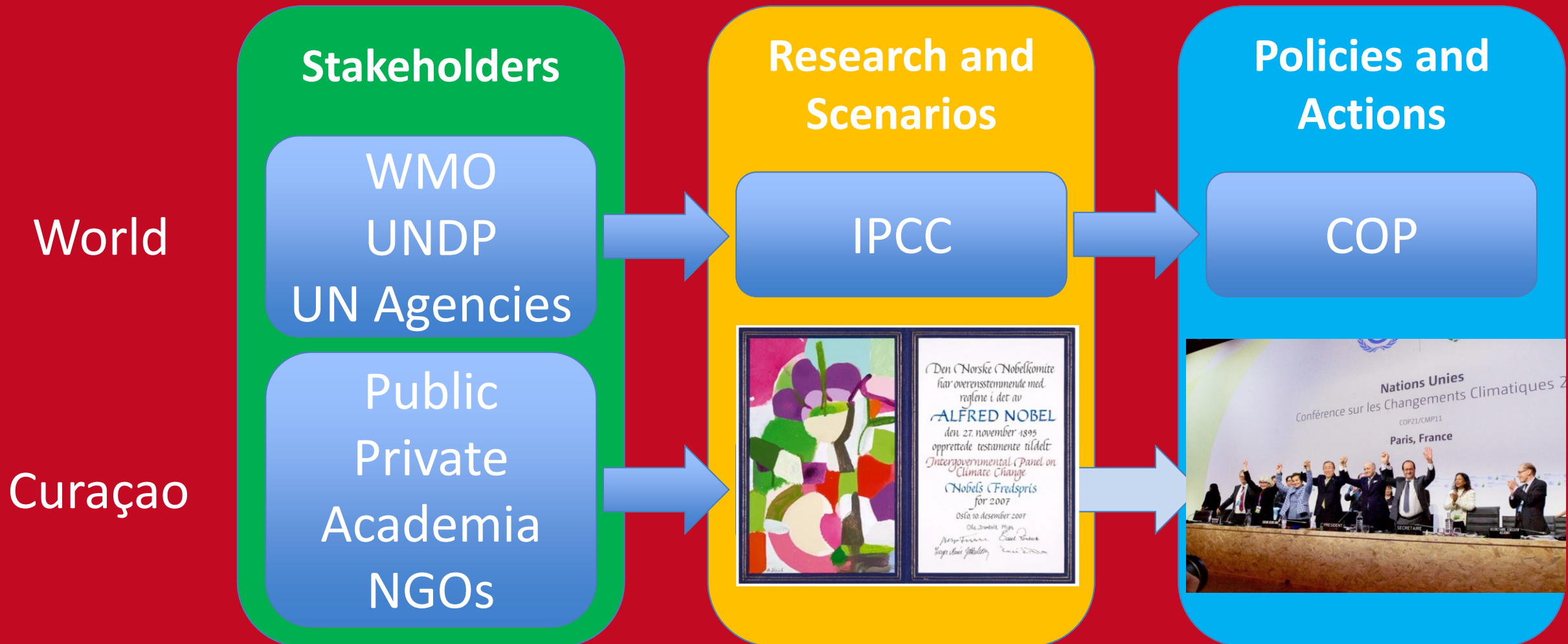


Curaçao
National
Commission
for UNESCO





1. Global Context Climate Change

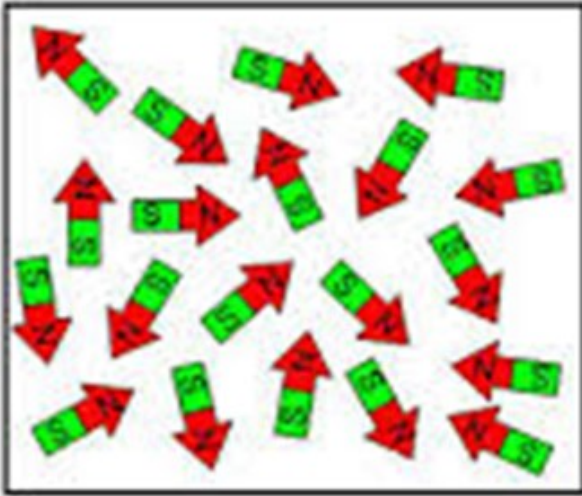




2. Alignment of National Goals Policy Assessment



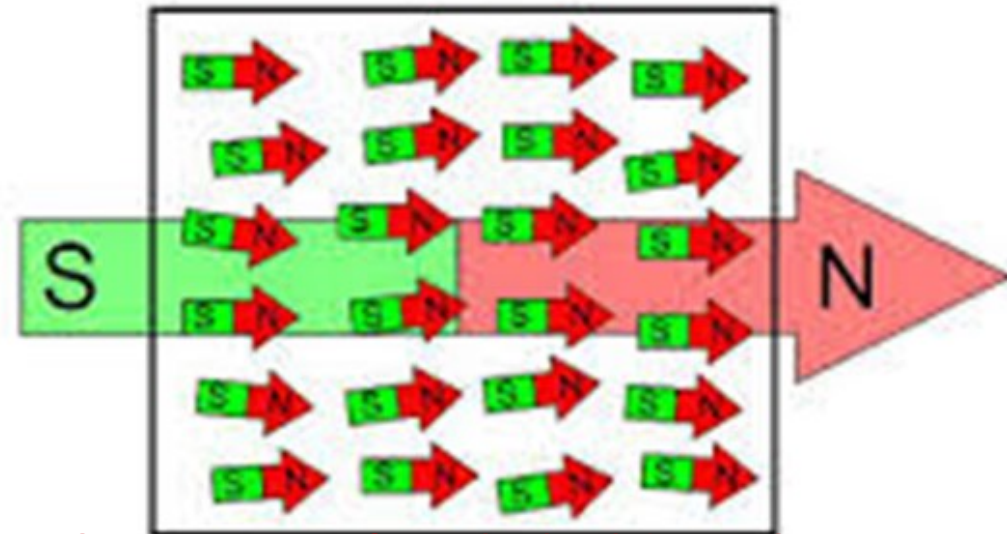
Stakeholder Objectives



Weak National Goal

The overall effect of this type of arrangement results in zero or very weak magnetism

Strong National Goal



Alignment of Stakeholder Objectives

When the material is **Magnetized** the random arrangement of magnets become “**lined-up**” in such a way that they produce a strong magnetic field.



3. Management Approach

Part of the UN reform (SG bulletin, ST/SGB/2016/6);



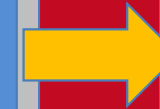
Input



Activities



Output



Results

Project Management

Focus: inputs, activities and processes

Results-Based Management (RBM)

Focus: outputs, contribution to results

Success:
Quality of
Service or
Ratio Input /
Output

Success:
Expected
outcome
or desired
Impacts



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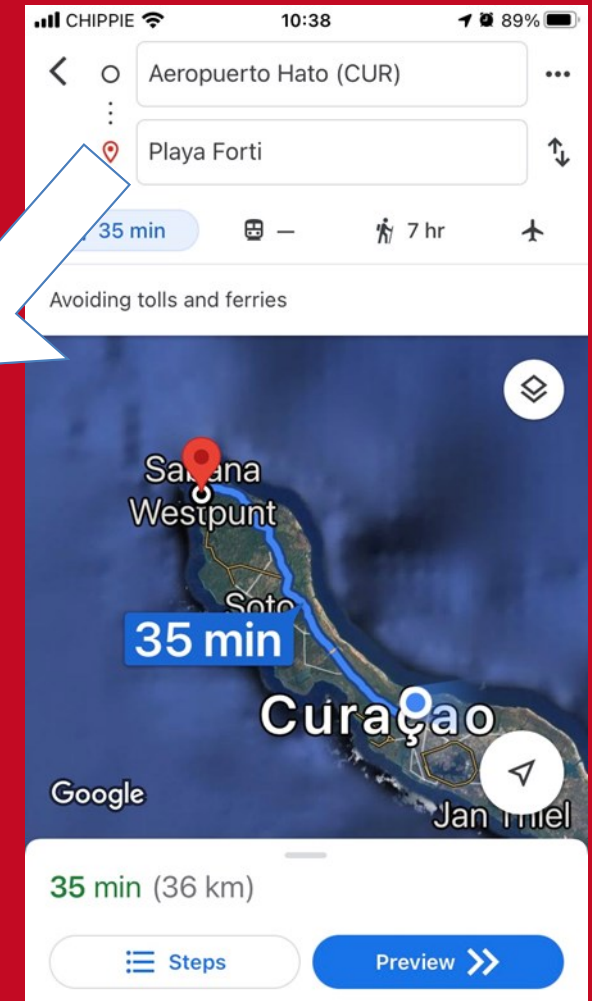


Vision

Curaçao Climate Change Platform



“RBM is about selecting a destination first, then deciding on the route, checking against a map and making adjustments as required”.



By 2030 Curaçao will be resilient to the adverse impacts of **natural hazards** and the **losses of biodiversity** due to climate change and a key player in **renewable energy**.



Mission

Curaçao Climate Change Platform



Mission:

The mission of the Curaçao Climate Change Platform (CCCP) is to facilitate a scientific and **evidence-based platform** where expertise related to the adverse impacts of climate change is combined, to formulate mitigation and adaptation strategies for Curaçao.

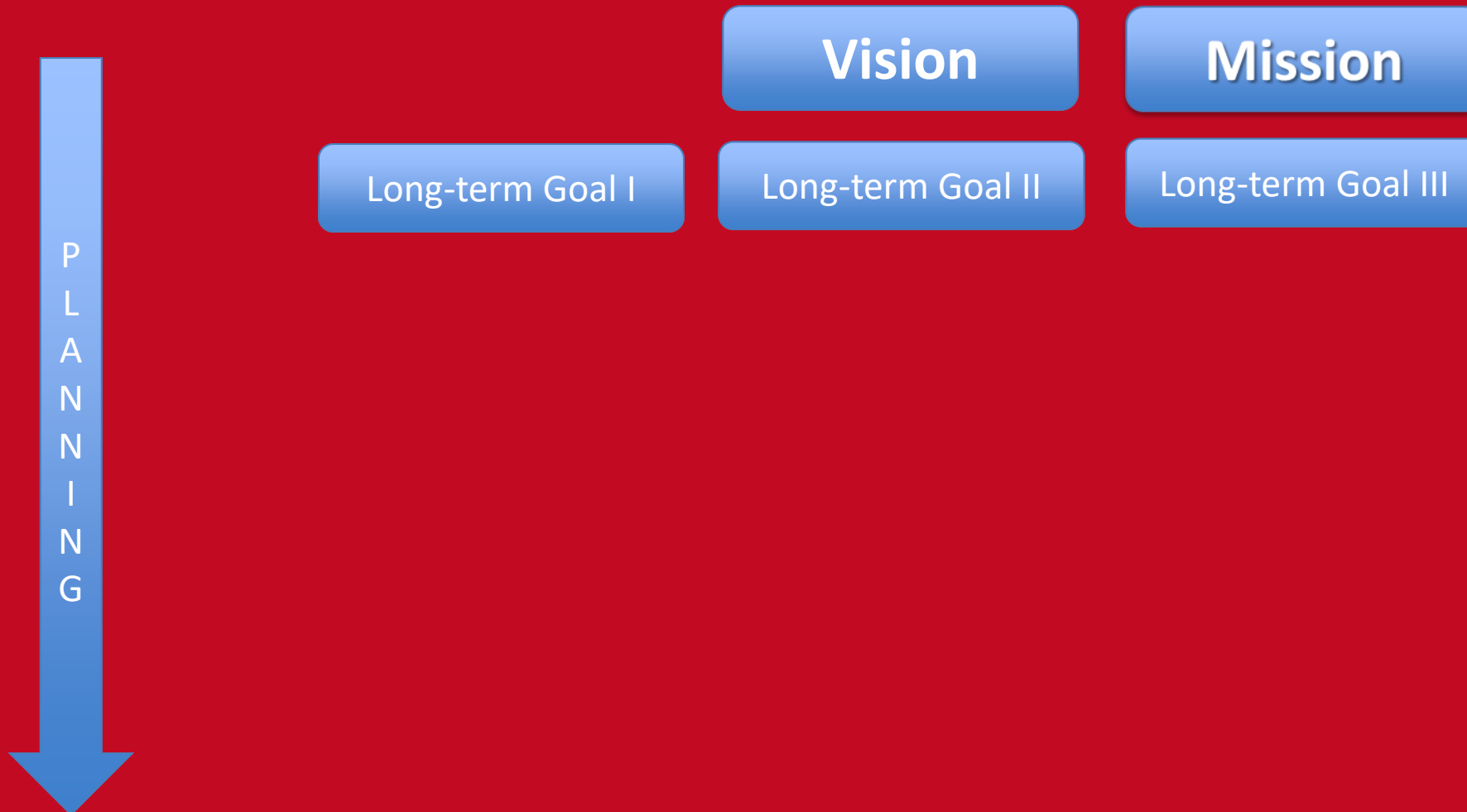
Bus: Playa Forti





The Result Chain

Part of the UN reform (SG bulletin, ST/SGB/2016/6);





Long-term Goals



Strategic Objectives	Long-term Outcomes	Target
1. Better knowledge of the impacts of climate change in Curaçao (Impact)	1. Improved capability of Stakeholders to utilize knowledge of the impact of climate change on Curaçao.	70 % of stakeholders utilize impact knowledge in their decision making



Long-term Goals



Strategic Objectives	Long-term Outcomes	Target
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2. Realize a carbon neutral footprint (Mitigation)	2. Increased use of new technologies and renewable energies sources to reduce greenhouse gases and realize a neutral footprint	Neutral carbon footprint country



Long-term Goals



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2. Realize a carbon neutral footprint (Mitigation)	2. Increased use of new technologies and renewable energies sources to reduce greenhouse gases and realize a neutral footprint	Neutral carbon footprint country
3. Strengthen resilience of the country (Adaptation)	3. Enhanced practice of strategies to protect and enhance biodiversity	70% of stakeholders implemented adaption strategies



The Result Chain

Part of the UN reform (SG bulletin, ST/SGB/2016/6);





Focus Areas (15+)



Impact Studies (TC-1)

- | | |
|-----|--------------------|
| 1.1 | Physical Systems |
| 1.2 | Biological Systems |
| 1.3 | Human Systems |

Mitigation Strategies (TC-2)

- | | |
|-----|------------------|
| 2.1 | Renewable Energy |
| 2.2 | Transportation |
| 2.3 | Waste Management |

Adaptation Strategies (TC-3)

- | | |
|-----|-------------------------|
| 3.1 | Green Infrastructure |
| 3.2 | Water Management |
| 3.3 | Built Environment |
| 3.4 | Coastal Zone Management |
| 3.5 | Culture and WH Sites |
| 3.6 | Food Security |

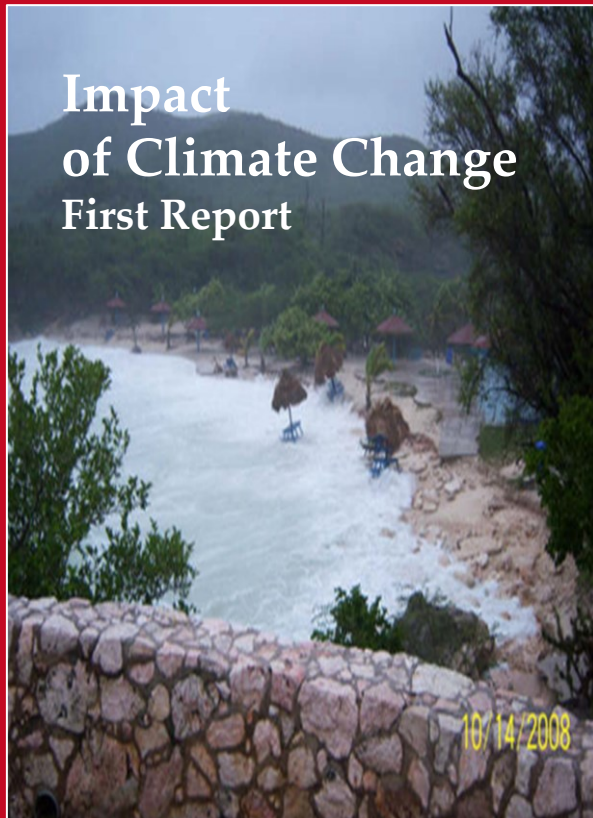
Cross-cutting (PANEL)

- | | |
|-----|---|
| 4.1 | Capacity Building
Institutions/Experts |
| 4.2 | Awareness Activities |
| 4.3 | Youth Engagement |



Expected Outcomes

2021





Summary CCCP 2020-2023

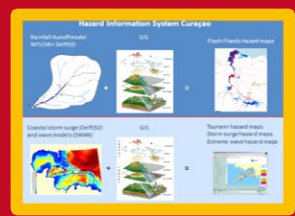
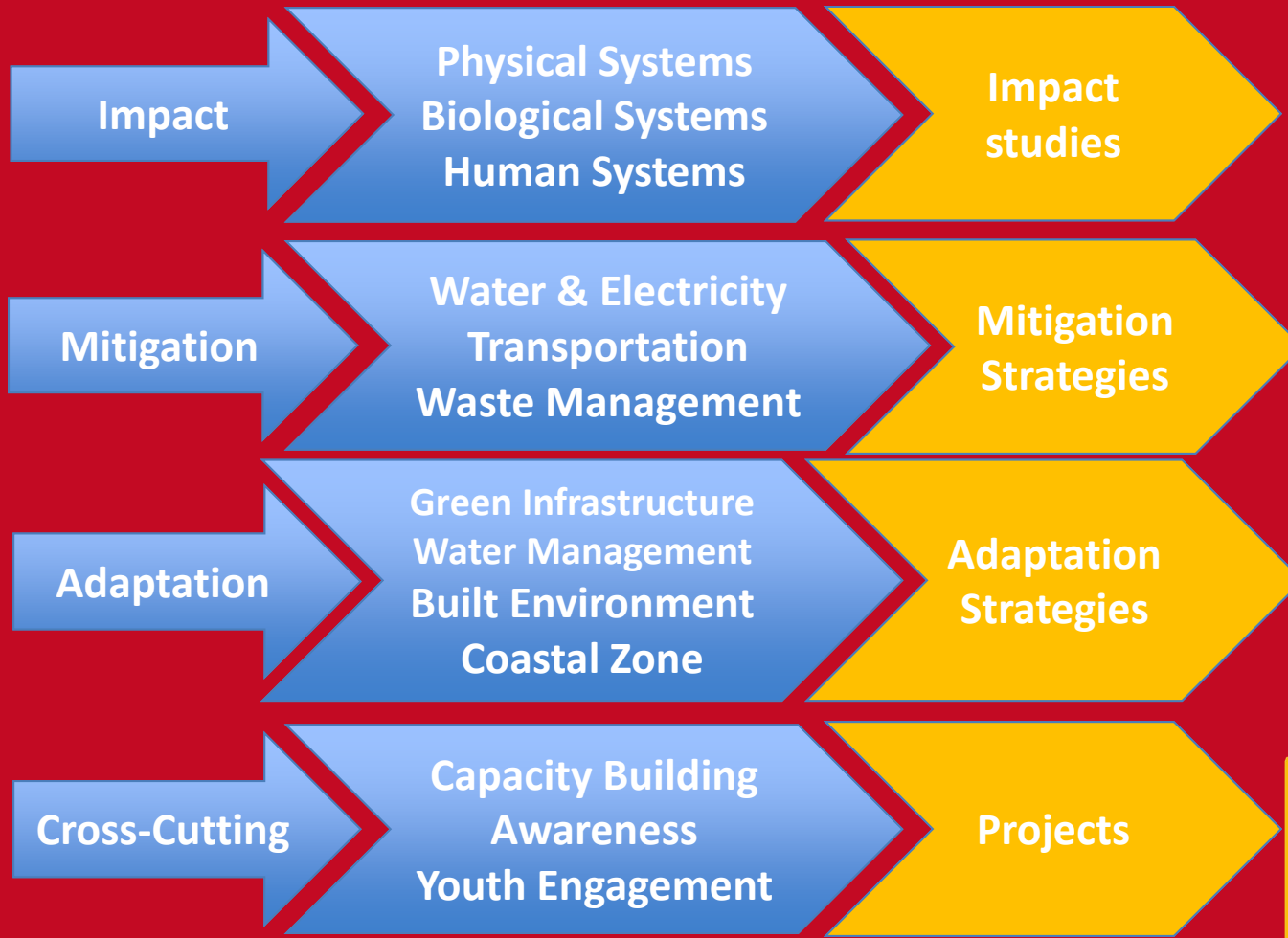


Strategic Plan

Work Plan

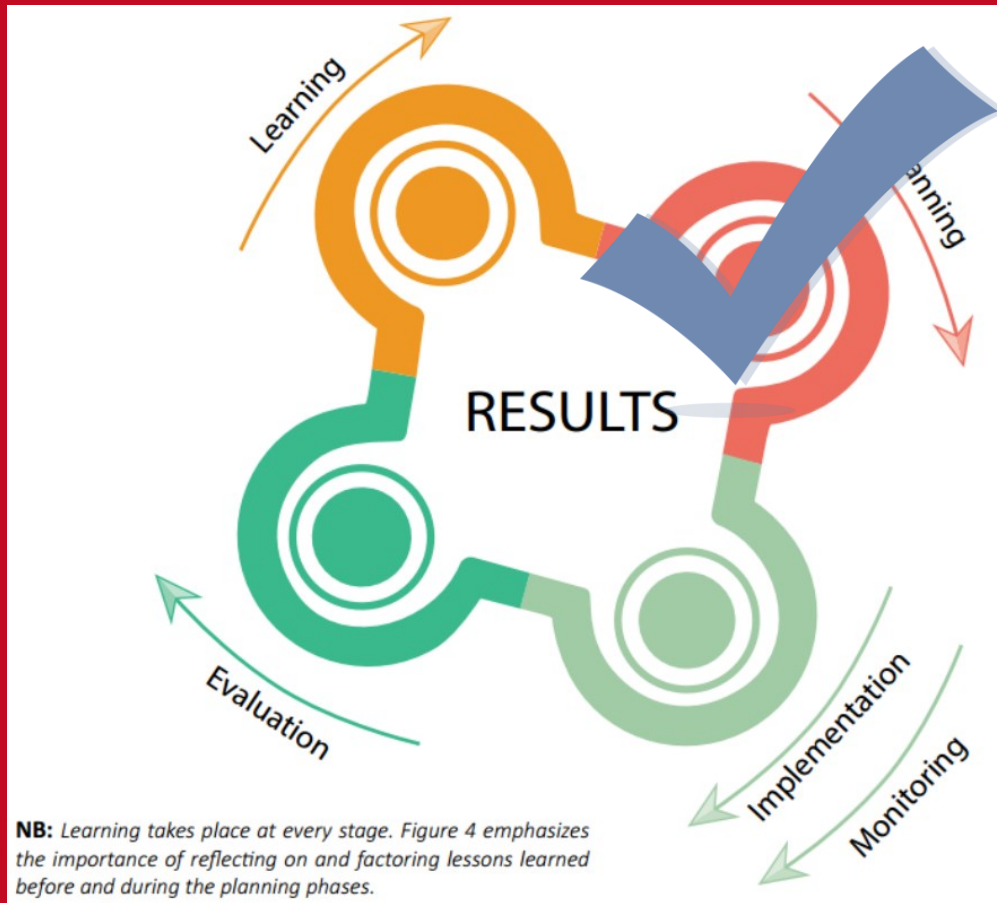
Vision:
resilient to the impacts of natural hazards and the loss of biodiversity and key player in renewable energy

Mission CCCP:
a scientific and evidence-based platform where expertise related to the adverse impacts of climate change is combined to formulate mitigation and adaptation strategies

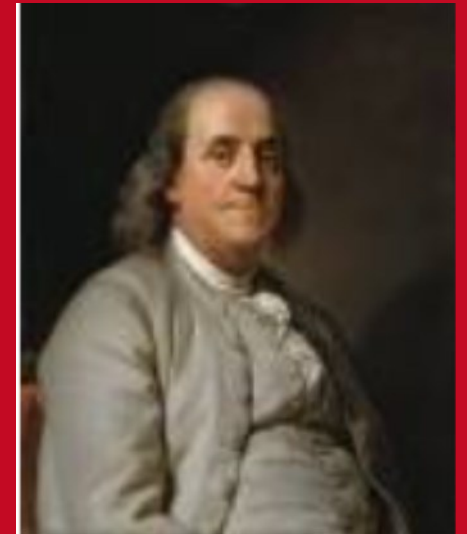




RBM Cycle Planning Phase



“If you fail to plan,
you are planning to
fail”.



**Benjamin
Franklin**

Founding Father of the
United States



Implementation Phase



11 May 2022

Vision

Mission

Long-term Goal I

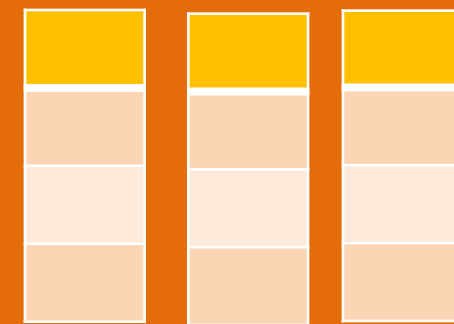
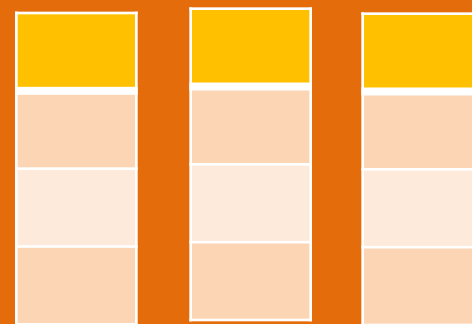
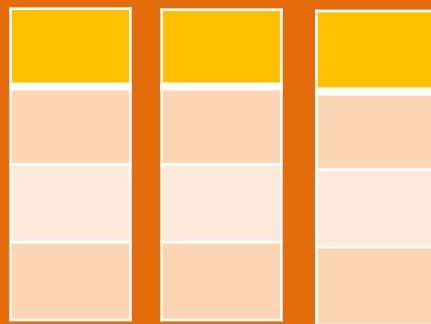
Long-term Goal II

Long-term Goal III

Expected Results

Expected Results

Expected Results



Activities

Input: Human, Material, Finance

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Climate Change Team



- **Ciaretta Profas (GMN)**
- **Marva Browne, Secretary General of the Curaçao National Commission for UNESCO,**
- **Phillipson Rifaela and Enirahs Martina of the Curaçao National Commission Secretariat,**
- **Pedzi Girigori de Flores Martinez, Albert Martis and Miriam Jonker (VVRP)**
- **Gersley Gijsbertha (MEO)**





Gracias
Thank
you
Danki

Curacao in 2030:

A great place to live

A great place to visit

Curaçao @COP21

Contact: Secretariat.CCCP@meteo.cw