United Nations Framework Convention on Climate Change

# Data collaboratives on SDG monitoring

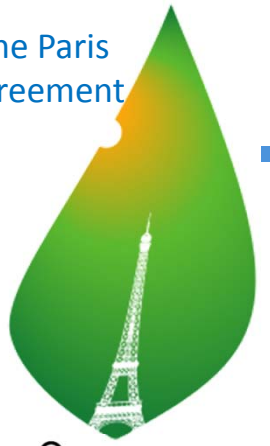
# Climate change indicators

4th UN Conference on Big Data

Bogota, 8 -10 Nov 2017

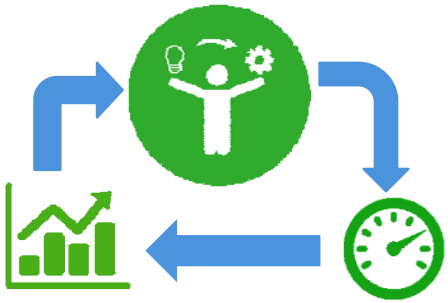
# SDGs and the Paris Agreement

The Paris Agreement




3 Main objectives

Translation into national and subnational plans

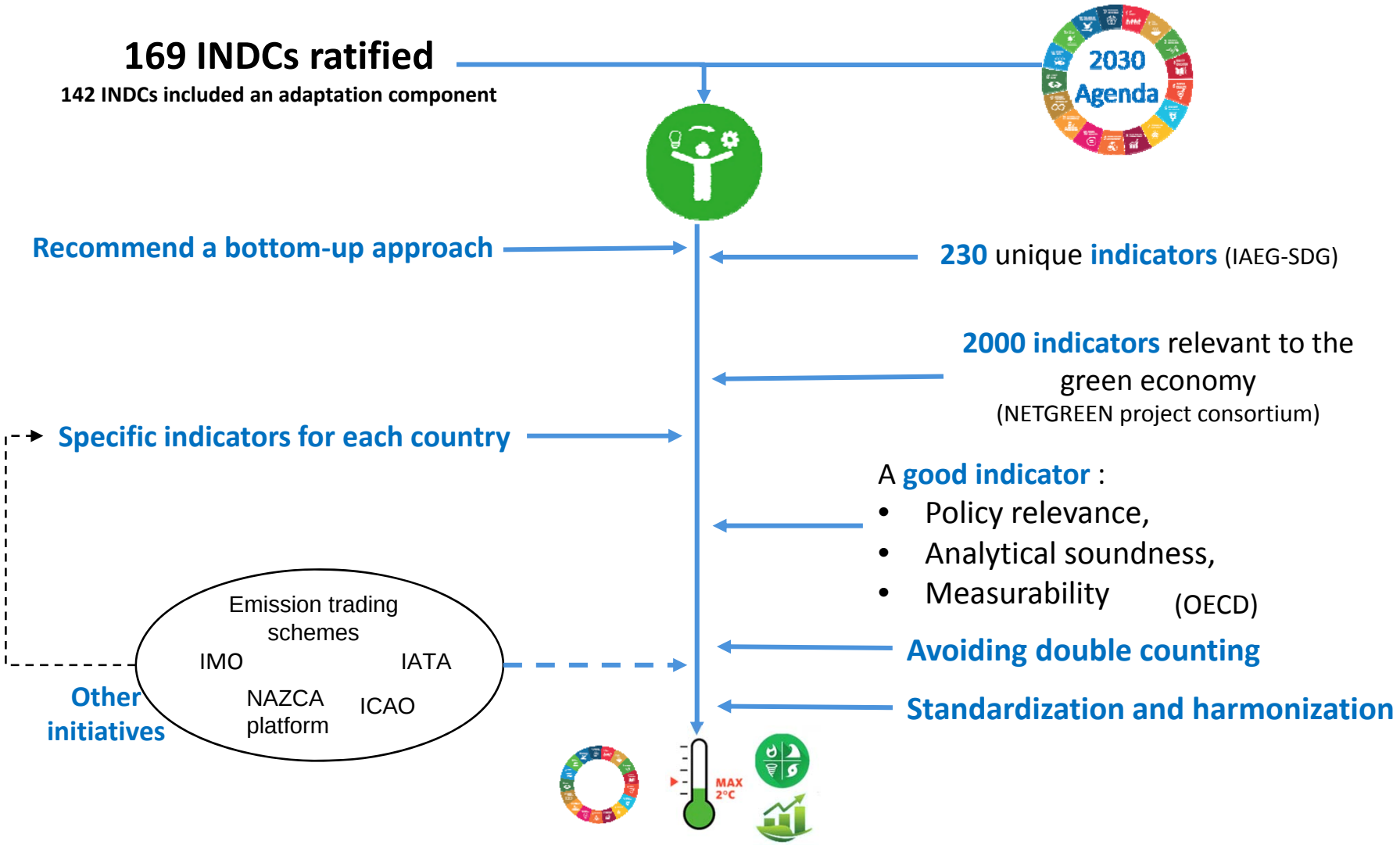


2030 Agenda

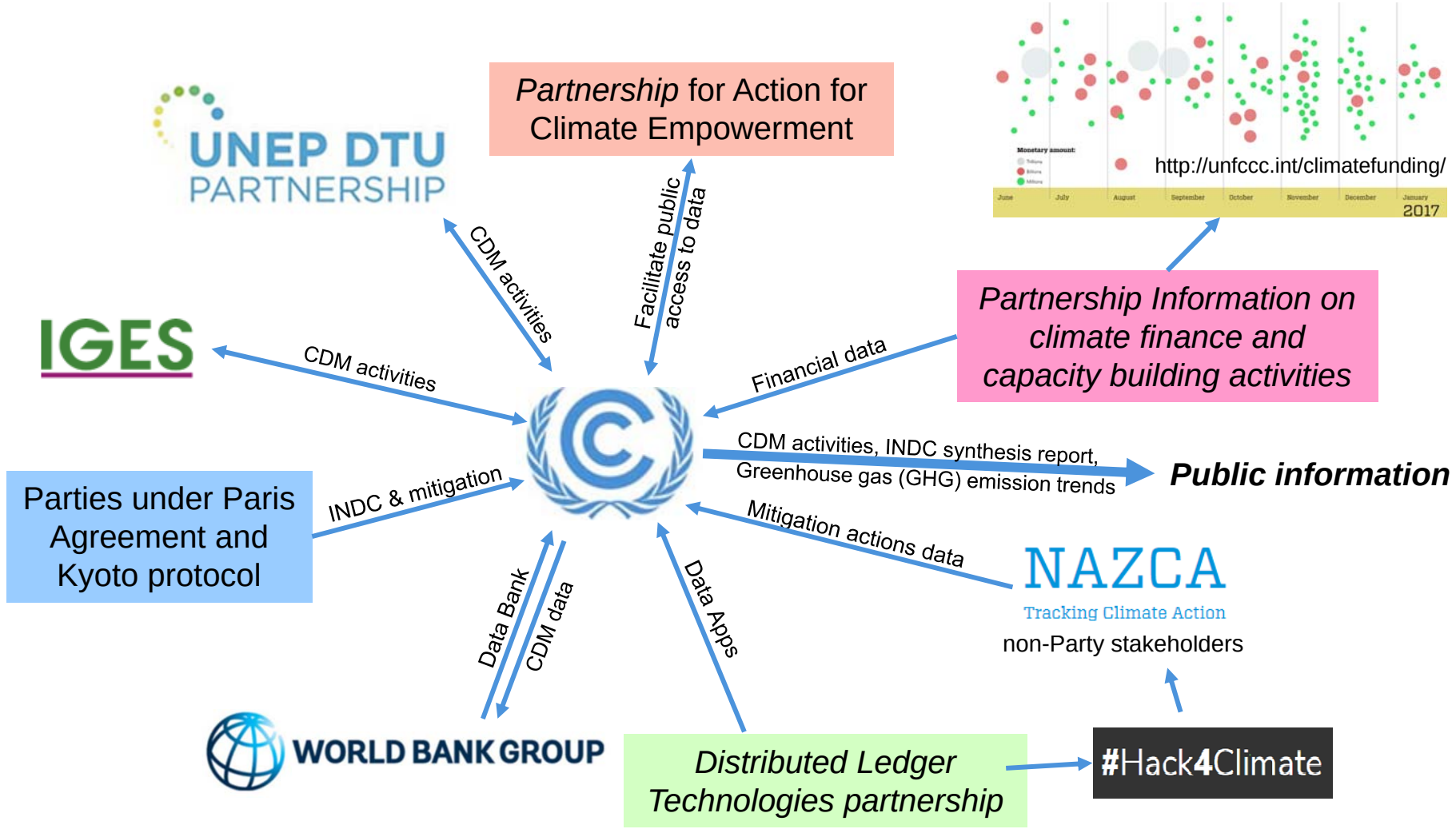
17 KPIs
169 SDG targets

The climate actions communicated in INDCs align with 90% of the SDG targets
(World Resources Institute)

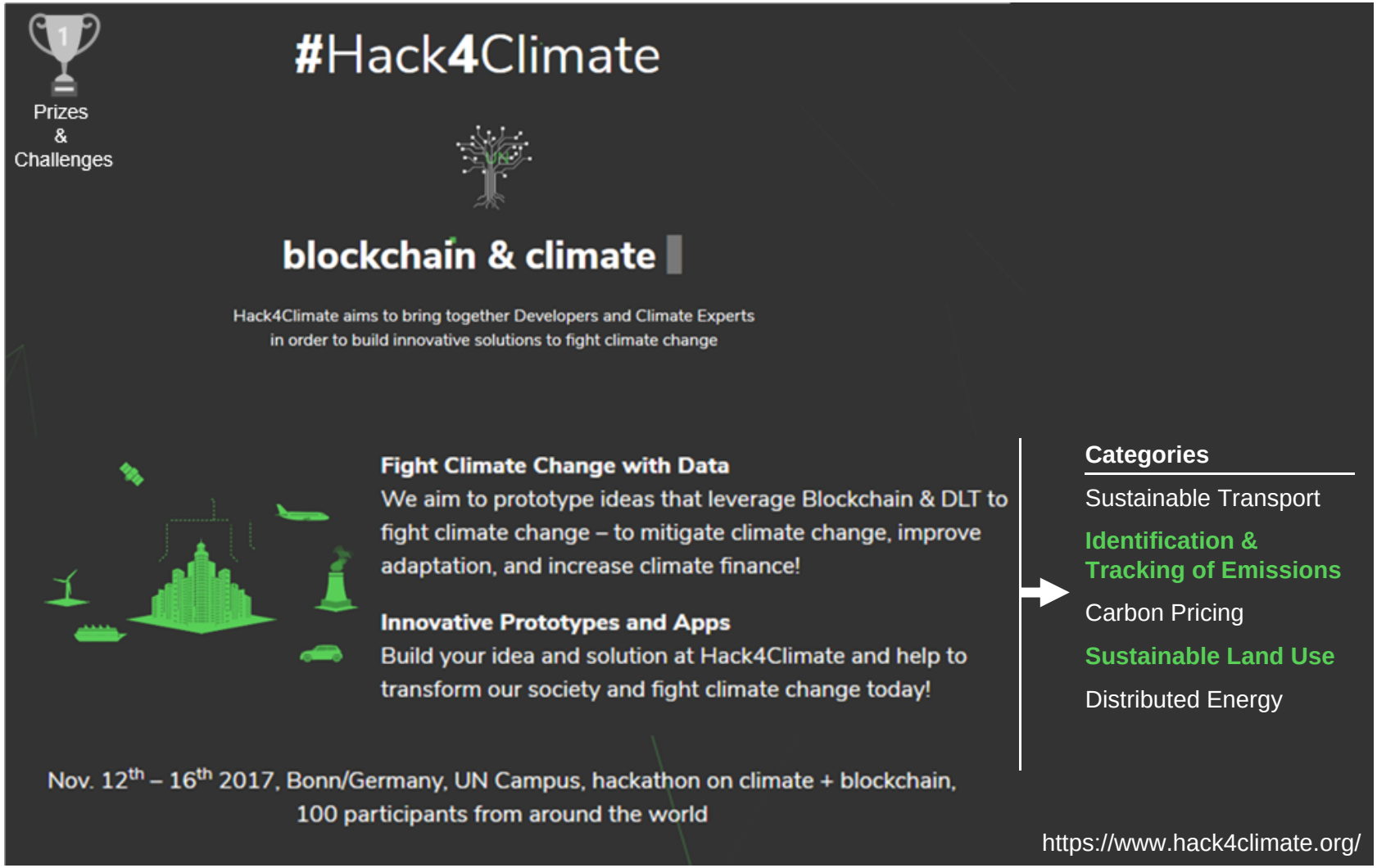
# SDGs and the Paris Agreement



# UNFCCC Data relations & partnerships



# Hack4Climate - a new data collaborative initiative



# Hack4Climate - a new data collaborative initiative

#Hack4Climate

## Enhancing the Non-State Actor Zone for Climate Action (NAZCA)

NAZCA captures climate action pledges by companies, cities, subnational, regions, investors, and civil society organizations

Global Climate Action

NAZCA

Tracking Climate Action

| | | |
|---|---|---|
| 2,508 CITIES | 209 REGIONS | 2,138 COMPANIES |
| 479 INVESTORS | 238 CSOs | COOPERATIVE INITIATIVES |
| 12,549 TOTAL COMMITMENTS | | |

**Objective**: to move beyond and track the implementation of registered commitments

# Hack4Climate - a data collaborative initiative

#Hack4Climate

## Platform for Citizen Climate Observations

- Create incentives for citizens to report on climate observations. Particular focus on indigenous peoples and farmer.

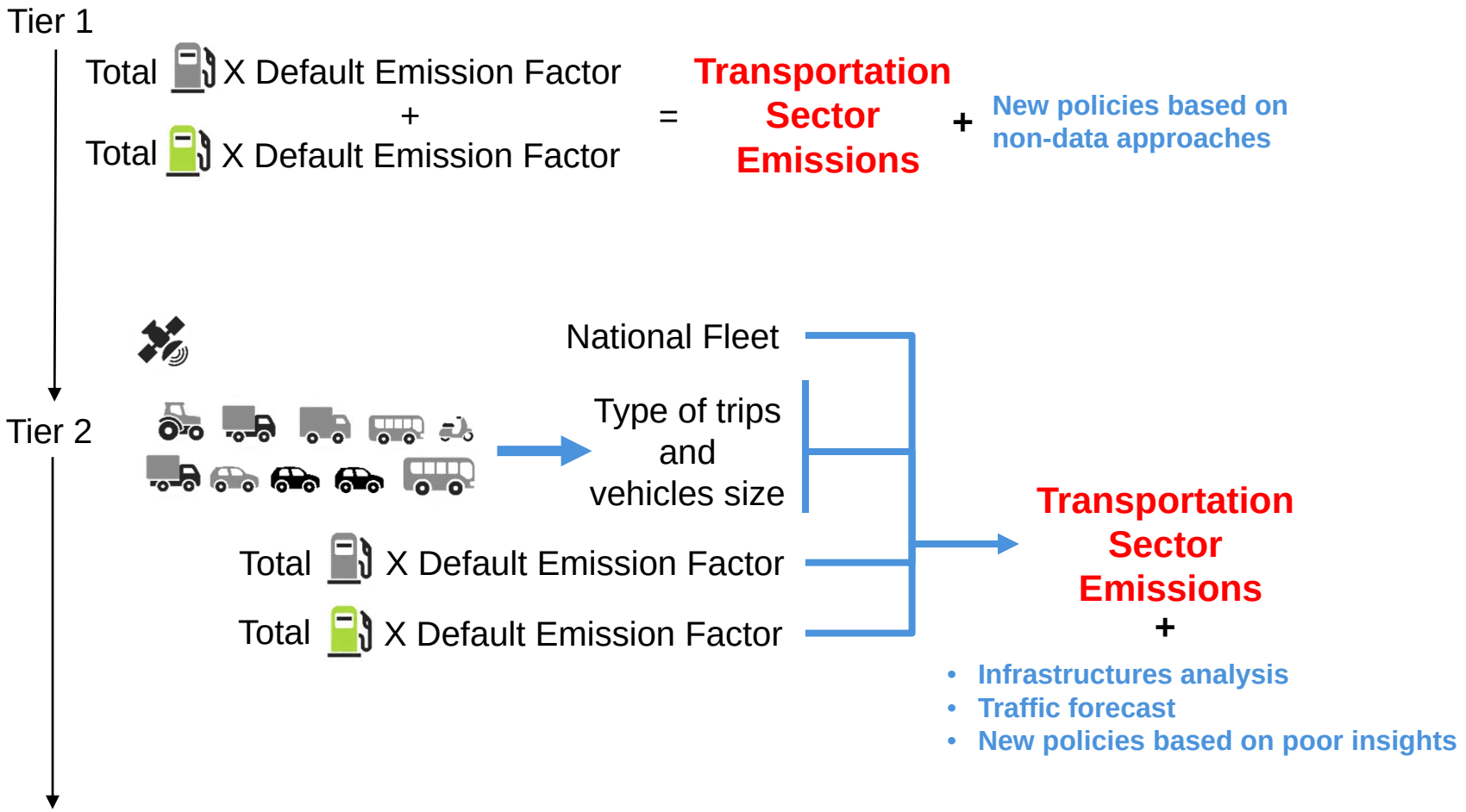
## Creating Incentives for Consumer Behavior Change

- Tracking the emission throughout the lifecycle of products.
- Monitoring consumer behavior.

# New proposals in climate data collaboratives

## Transportation Sector Emissions

From Tier 1 to Tier 3 based on data collaborative approaches

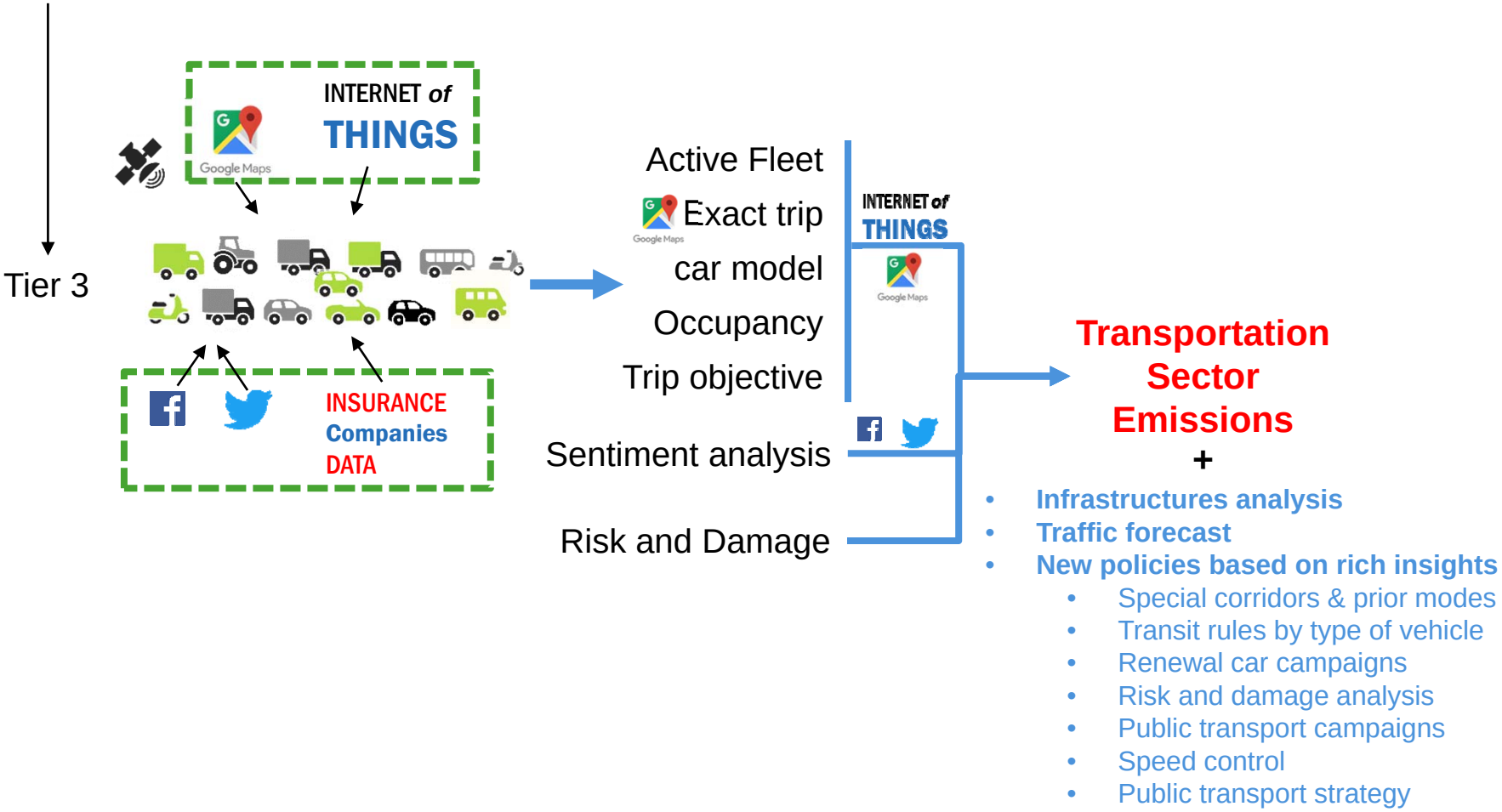



Tier 1 emission factors are readily available national or international (IPCCC)

# New proposals in climate data collaboratives

## Transportation Sector Emissions

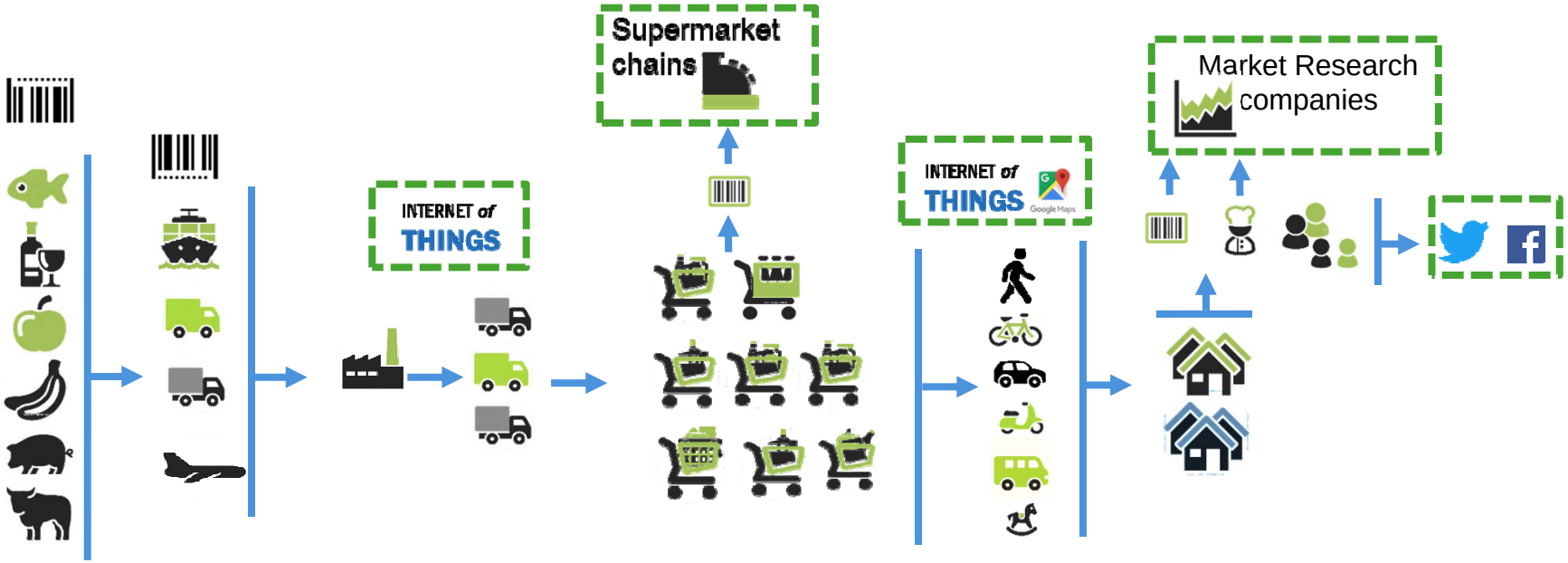
From Tier 1 to Tier 3 based on data collaborative approaches



# New proposals in climate data collaboratives

Best practices

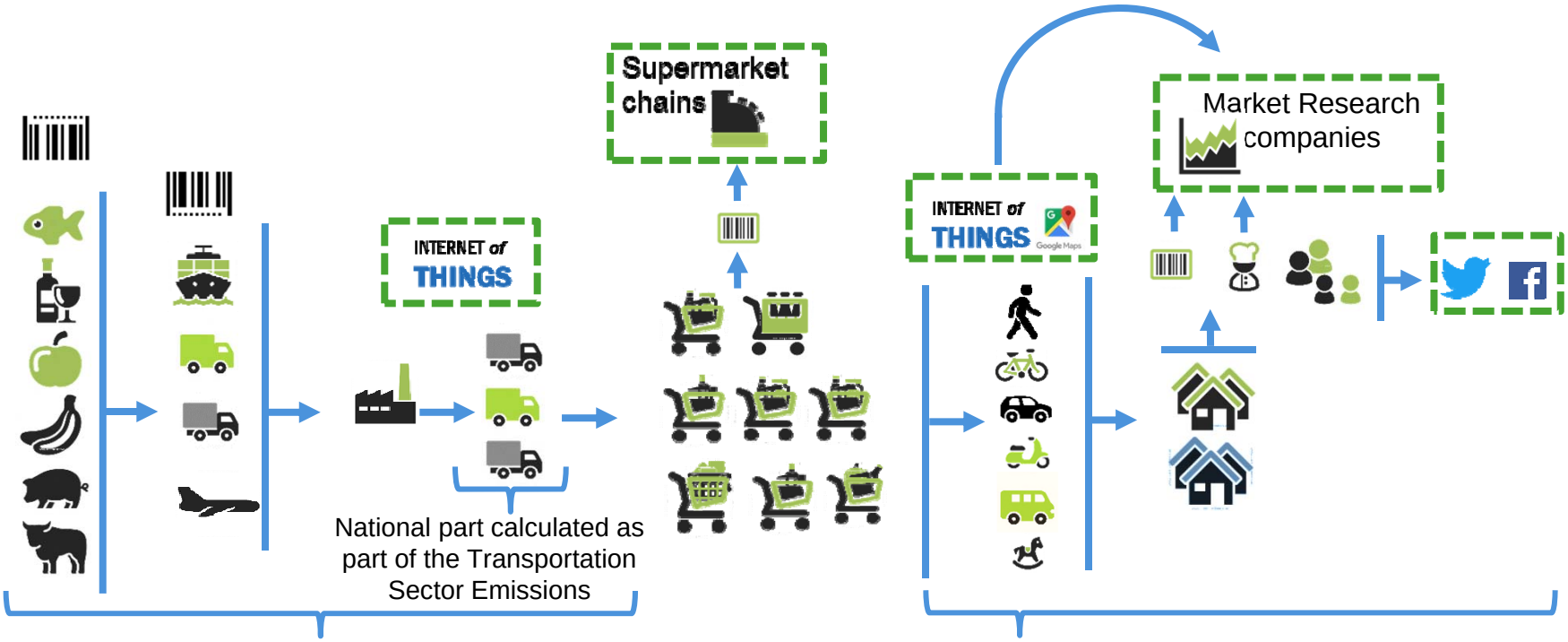
## Consumers behavior emissions



# New proposals in climate data collaboratives

Best practices

## Consumers behavior emissions




Total control of the supply chain and the footprint

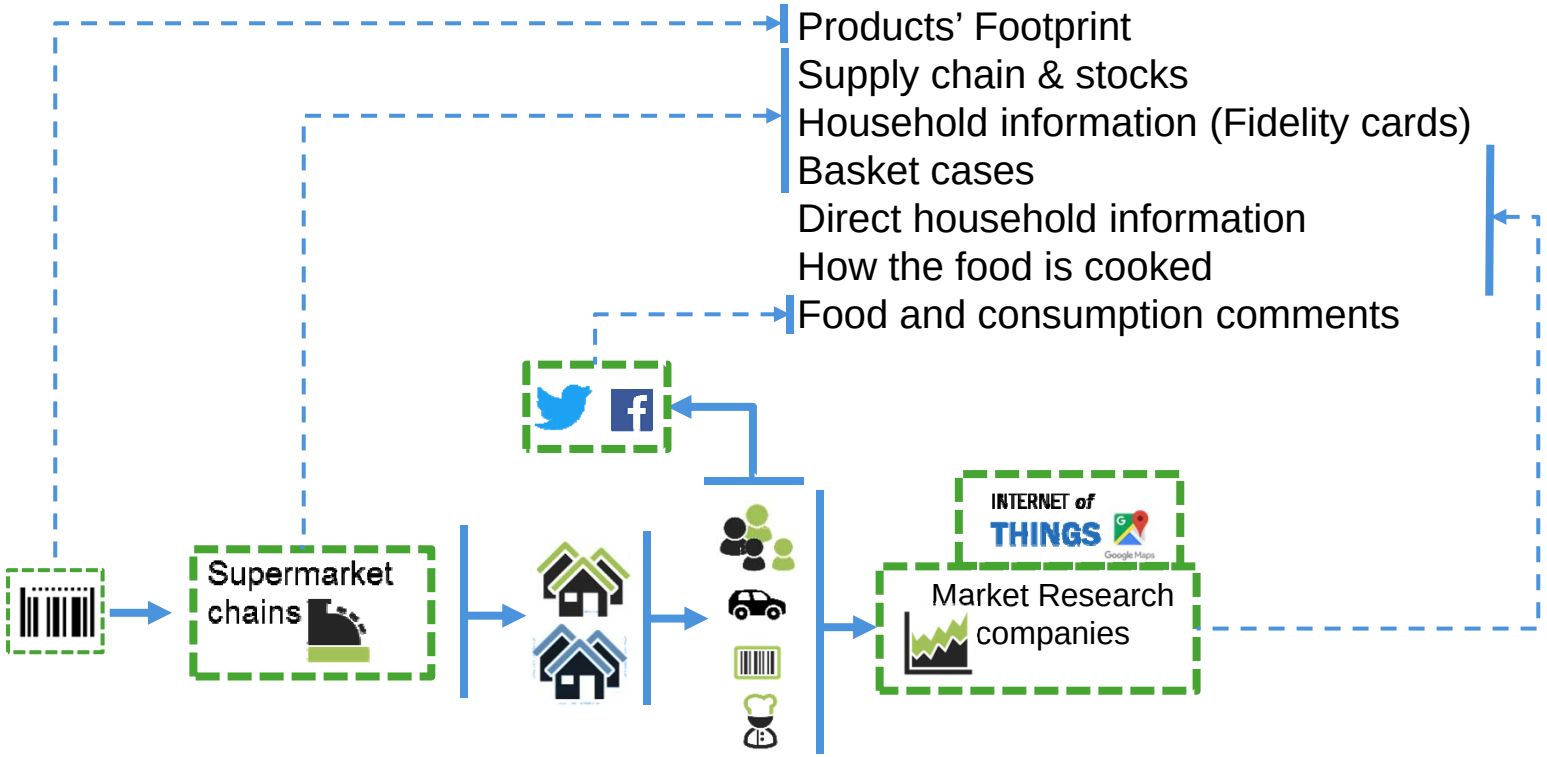
Calculated as part of the Transportation Sector Emissions

Market Research companies know how people go to buy

# New proposals in climate data collaboratives

Best practices

## Consumers behavior emissions

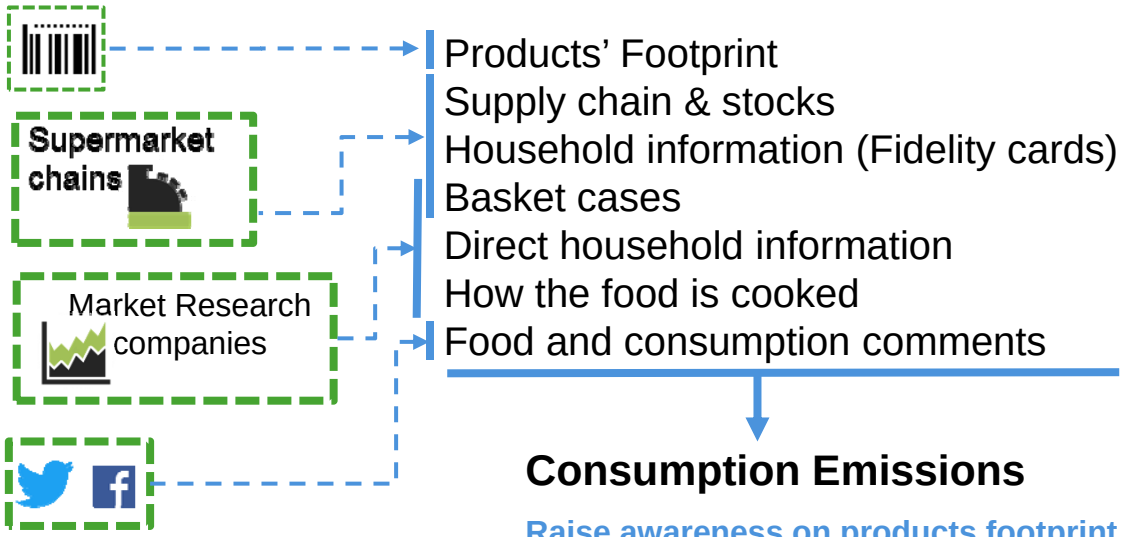


# New proposals in climate data collaboratives

**Consumers behavior emissions:**

From Tier 1 to Tier 3 based on data collaborative approaches

Best practices




**Consumption Emissions**

**Raise awareness on products footprint, sustainability**

**New policies based on rich insights**

- School food policies
- Footprint polices
- Product lifecycle polices
- Recycling and waste polices

**Defining plans for resizing consumption sector**

# Conclusions, Benefits and Threats

## Conclusions:

- **The National Emission, emission reduction and many other climate indicators can be calculated without rich data.**

## Benefits:

- **Possibility of generating optimal climate change indicators and optimized polices with data collaborative initiatives**
- **Data collaborative initiatives can improve the alignment between Climate change agendas**
- **Data collaborative initiatives has the potential to speed up climate actions**

## Issues:

- **Duplication of efforts among countries**
- **Low level of comparability (difficulties with Standardization and harmonization)**
- **Privacy, national regulations and local laws**
- **Private benefit vs public good**

# Thanks for your attention

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