URBAN LEDS
URBAN LOW EMISSION DEVELOPMENT STRATEGIES

URBAN LEDS:

Promoting Low Emission Urban Development Strategies in Emerging Economy Countries

„Joint implementation of the EU policy for energy security and sustainable development of urban areas“ - 14 May 2015, Zagreb

Giorgia Rambelli
ICLEI Europe

ICLEI Local Governments for Sustainability

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In the next 15 minutes…

- About URBAN LEDS
- Learning from each other
- Success stories
- Tips and tools
- Keep up to date

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Focus on local sustainable development

- **ICLEI Europe:** Regional office based in **Freiburg**, dealing with 40+ countries in wider Europe (also supported by ICLEI **Brussels** office).
- We engage in:
  - conducting **advocacy** (global / European / national level),
  - running **campaigns** (e.g. GreenClimateCities programme),
  - coordinator and partner in **projects**,
  - offering **services** – including capacity building
- Covenant of Mayors Supporter – ICLEI Europe is a **unique European network**, linked to a global network, addressing standards, develops protocols and tools, offers advice to municipalities and their partners.

ICLEI Europe is proud to be a Covenant Supporter

Covenant of Mayors

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Working with communities on urban sustainability

We consider a Sustainable Community to:

- strive to **reduce** its per capita **use of natural resources** to a level that endangers neither local nor global ecosystems, and at the same time,
- ensure that **political**, **economic** and **social** systems guarantee a **high quality of life for everyone**.

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PATHWAYS TO TRANSFER OF LOW-CARBON SOLUTIONS: THE URBAN-LEDS PROJECT

Urban Low Emission Development Strategies (Urban-LEDS)

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Urban-LEDS project at a glance

- **Title:** Promoting Low Emission Urban Development Strategies in Emerging Economy Countries (Urban-LEDS)
- International **mitigation project** funded by EC
- **Duration:** March 2012 – August 2015
- **Main objective:** Enhance the transition to low-emission urban development in cities in emerging economy countries: **Brazil, India, Indonesia, South Africa**
- Supported by experienced **European cities**
- **Implementation partners:**

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Why low emission development?

Challenges

- Population growth
- Unplanned urban growth
- Air pollution
- Urban poverty
- Rising energy costs
- Backlogs in service delivery
- New infrastructure requirements
- Rising global greenhouse gas emissions
- Severe local climatic impacts

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Why low emission development?

Opportunities

- Job creation
- Attract new investment / technical capacity
- Reduce costs (especially energy costs)
- Improve efficiency
- Create cleaner, healthier places
- Meet service delivery aims
- City profiling at national / international level
- Prepare for national legislation & funding
- Leapfrog old, dirty technologies
- Build new local partnerships and dialogues

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Climate investment at local level

- Most investments to reduce GHG emissions and adapt to climate change take place at the sub-national and local levels
    - 50 to 80% for mitigation
    - up to 100% for adaptation.

Source: UNDP

- Sub-national and local governments undertook 72% of total public investment in 2012 accross the OECD area in terms of volume.

Sources: OECD, 2014

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Urban-LEDS project activities

- Guidance and technical support to local governments
- Capacity development of political leaders and municipal staff
- Process support – from methodology to reporting platform
- North-South, South -South exchange
- Global climate advocacy

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City selection

more than 50 cities applied

EUROPE

Almada, Portugal
Bologna, Italy
Copenhagen, Denmark
Gaziantep, Turkey
Hannover, Germany
Helsinki, Finland
Warsaw, Poland
Zagreb, Croatia

BRAZIL

MODEL CITIES
Fortaleza
Recife

SATELLITE CITIES
Betim
Belo Horizonte
Curitiba
Porto Alegre
Rio de Janeiro
Sorocaba

SOUTH AFRICA

MODEL CITIES
Steve Tshwete Municipality
Kwa Dukuza Municipality

SATELLITE CITIES
Mogale City Local Municipality
Nelson Mandela Bay Municipality
Saldanha Bay Municipality
Sol Plaatje Municipality
uMhlathuze Local Municipality

INDIA

MODEL CITIES
Rajkot
Thane

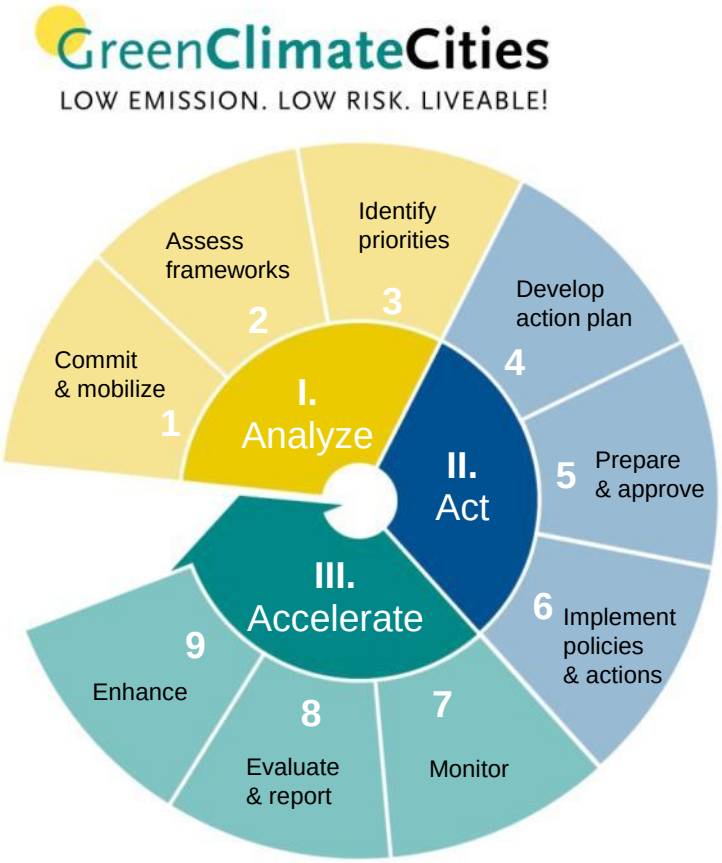
SATELLITE CITIES
Coimbatore
Gwalior
Nagpur
Panaji
Pimpri-Chinchwad
Shimla

INDONESIA

MODEL CITIES
Balikpapan
Bogor

SATELLITE CITIES
Bontang
Kabupaten Bogor
Tangerang Selatan
Tarakan

GreenClimateCities methodology



Working methodology to help Local Governments create an adequate institutional framework for long-term **Urban Low Emission Development Strategy**, planning and projects.


Commit & mobilize
1
Assess frameworks
2
Identify priorities
3
Develop action plan
4
Prepare & approve
5
Implement policies & actions
6
Monitor
7
Evaluate & report
8
Enhance
9
I. Analyze
II. Act
III. Accelerate

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Commit and mobilize

- National Advisory Groups created and convened
  - Formal project partners delegations
  - National government
  - Local governments and their associations
  -
  -
  -

Promoting vertical integration of climate policies and plans to improve effective delivery and results on the ground

ANAMMA
APEKSI
CB27
CDIA
DBSA
GIZ
IADB
IGEP
KfW
NBI
SACN
ALGA
SEA
WBCSD
WRI
WWF
…



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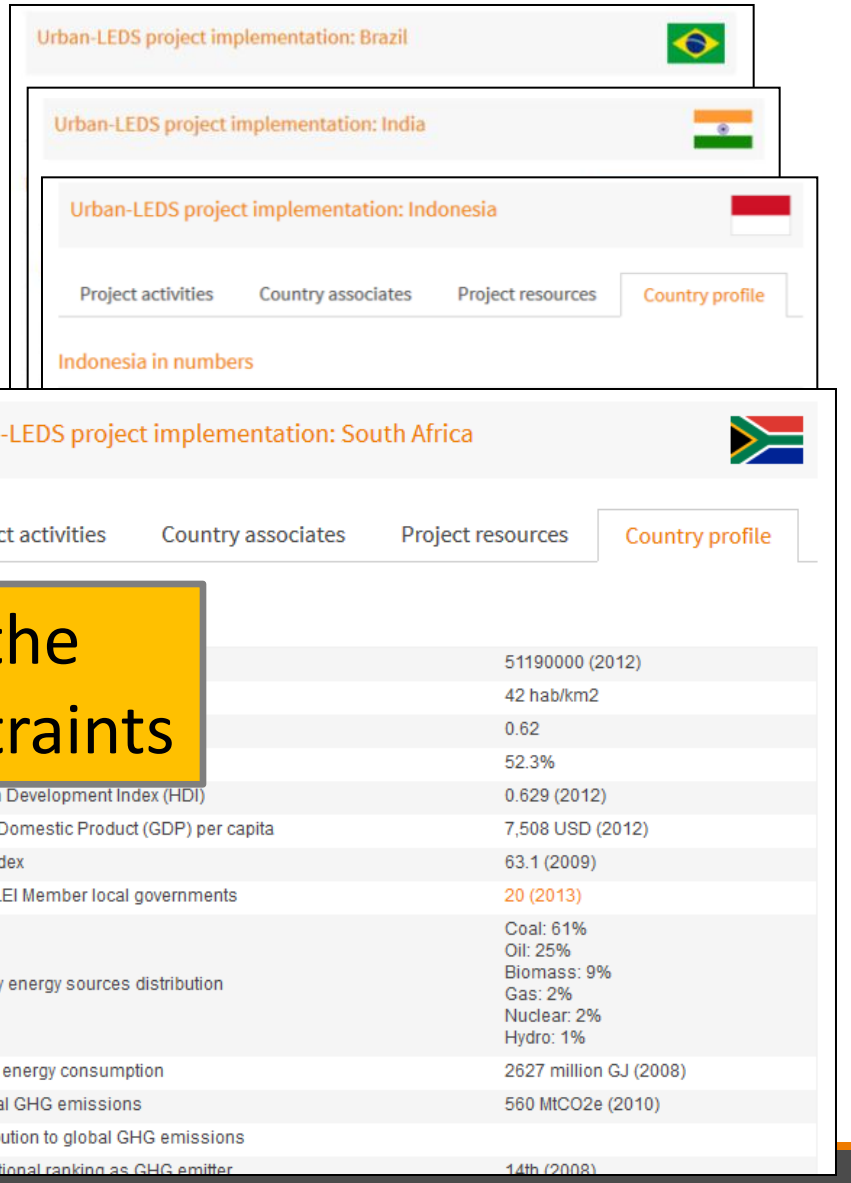
Assess frameworks (I)

- Key indicators
- Governance structure
- Climate action framework



Essential to understand the structural context and constraints

For example: power generation, generally outside the mandate of Local Governments...

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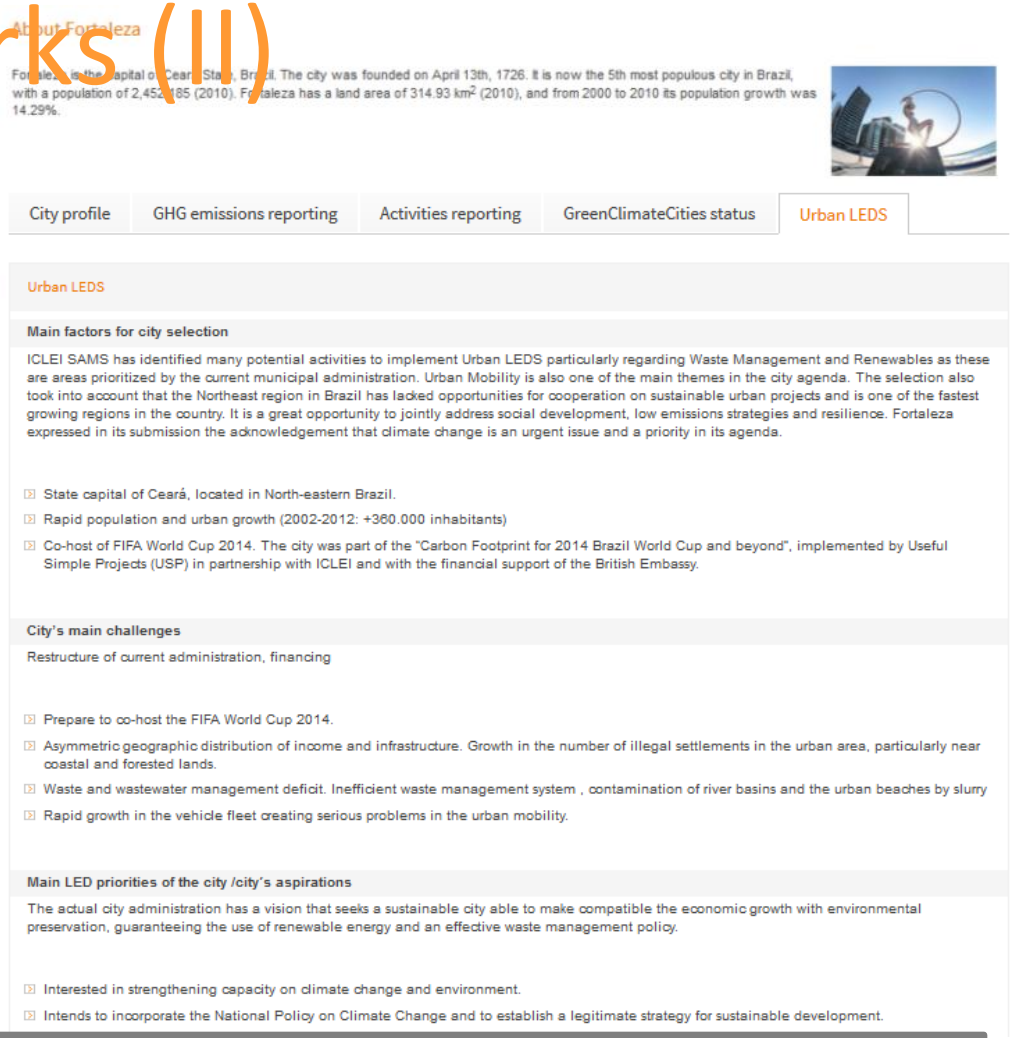
Assess frameworks (II)

- About the city
- About the Local Government
- Sustainability journey to date
- At a glance: development indicators

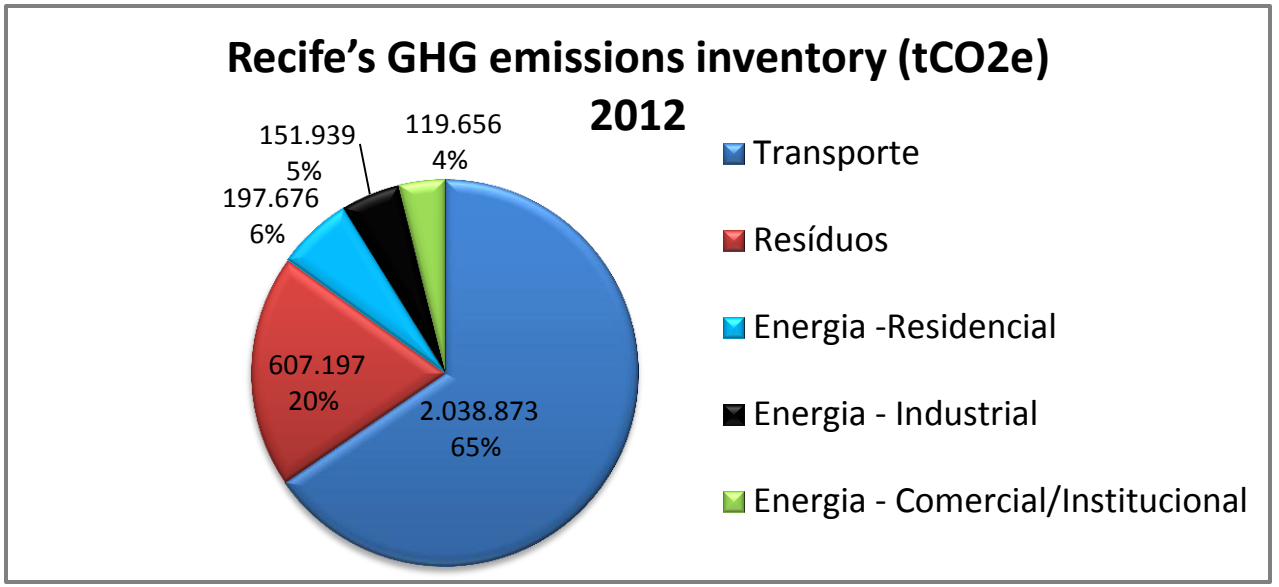
- Energy profile
- GHG emissions
- Mitigation actions
- GCC implementation
- Urban-LEDS
  - Challenges
  - Priorities
  - …



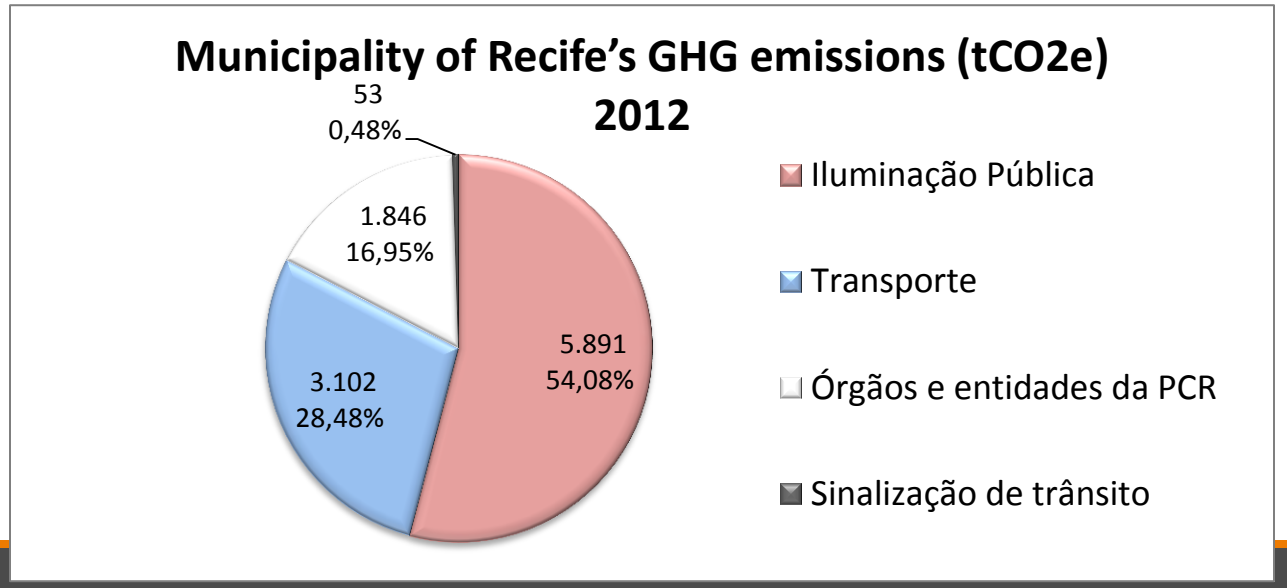
Essential to understand the local context and constraints

Assess frameworks (III)

- Community



- Local government operations



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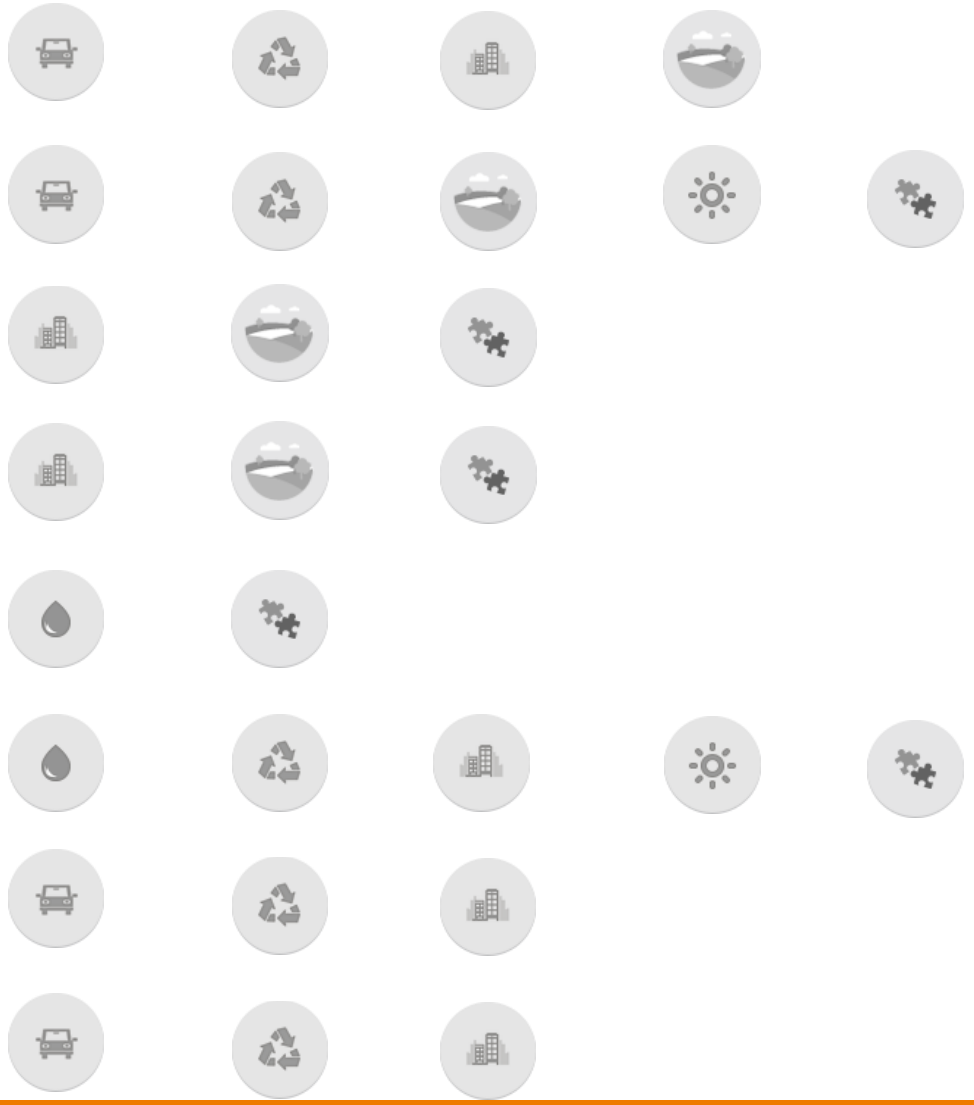
Identify priorities

- Recife
- Fortaleza
- Kwadukuza
- Steve Tshwete
- Rajkot
- Thane
- Balikpapan
- Bogor



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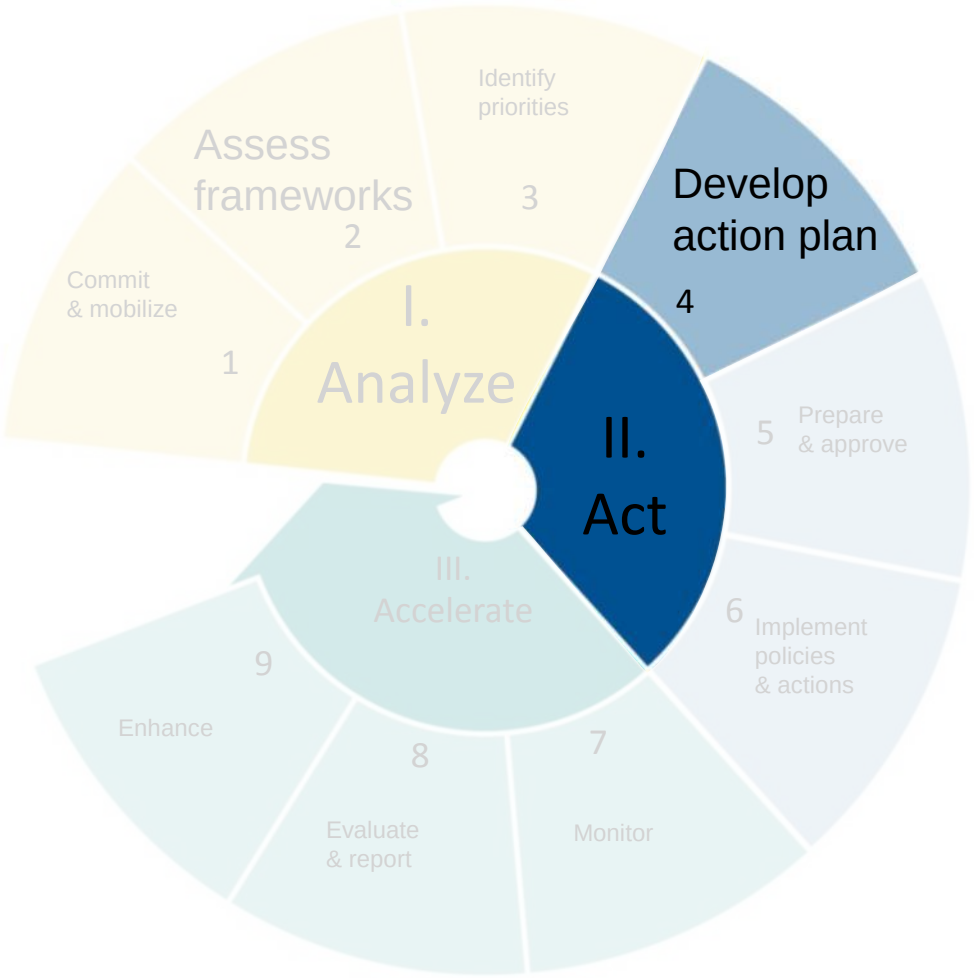

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Preparing the LEDS plan

- Identify potential measures
- Feasibility assessment
- Multicriteria assessment
- Screen measures
- Select Key Performance Indicators (KPIs)

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Global peer-learning network

- 1st International networking event, Nelson Mandela Bay (NMB), Nov 2013

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Global peer-learning network

- European Study Tour, April 2014

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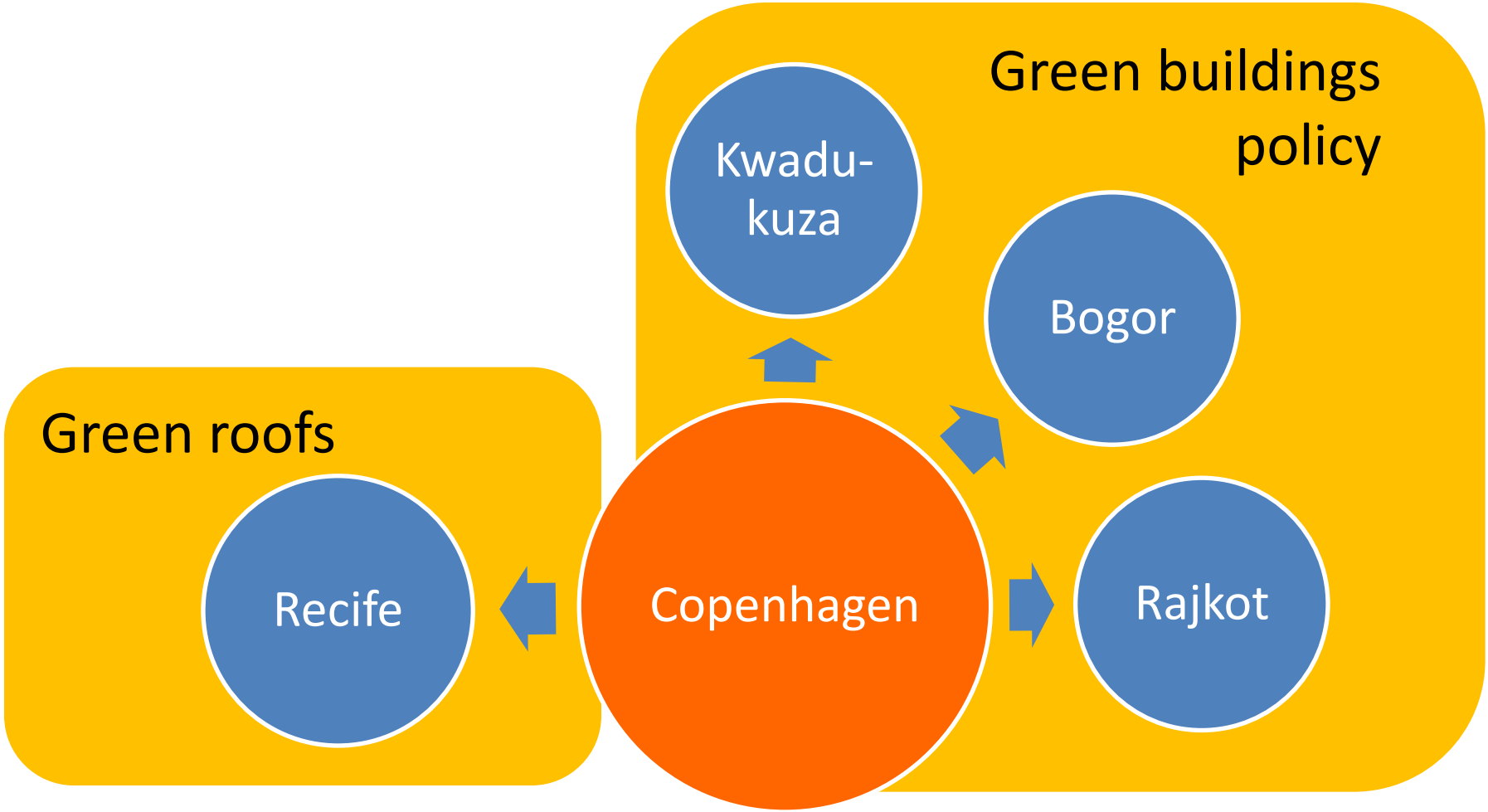
Replicating low-carbon solutions



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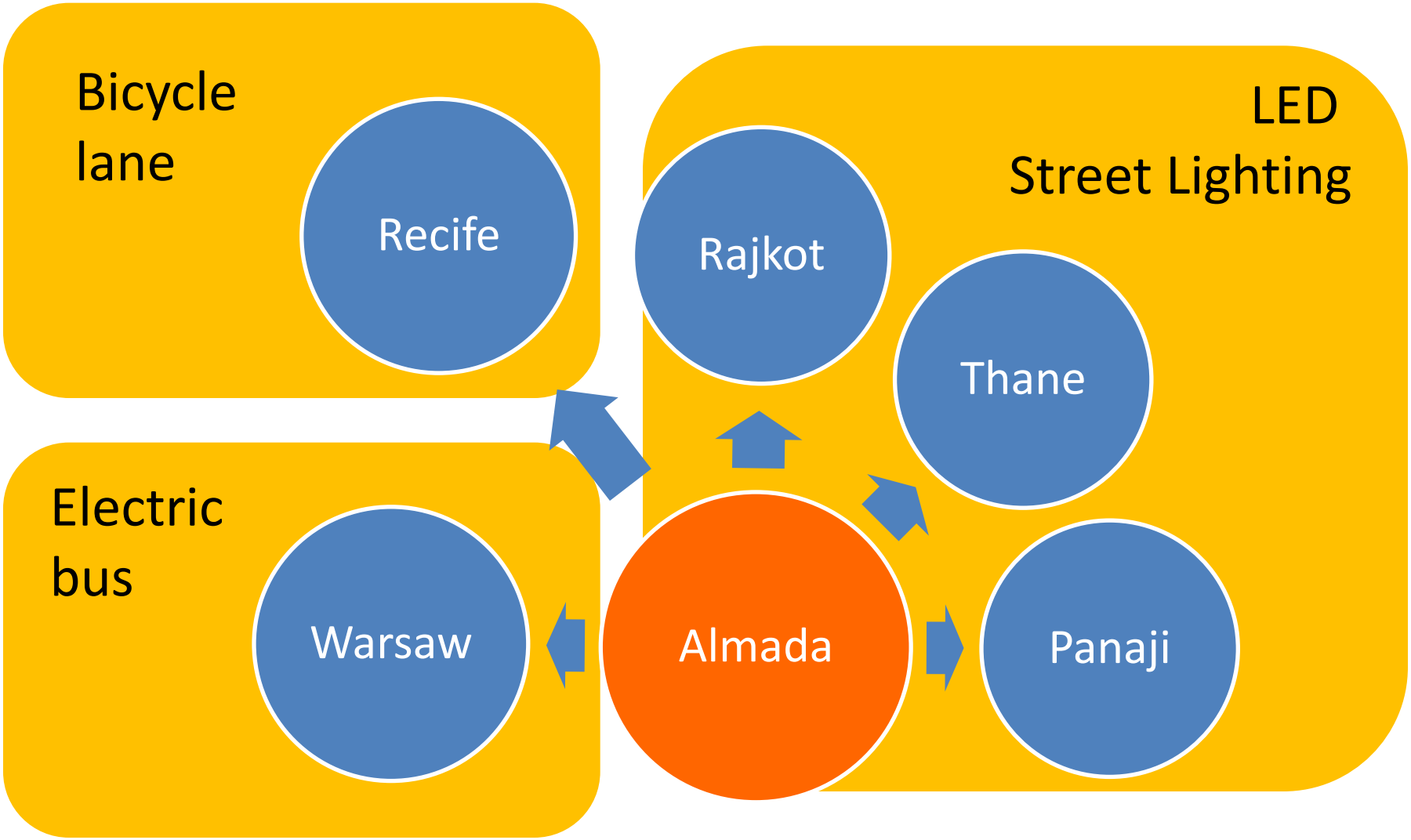
Replicating low-carbon solutions



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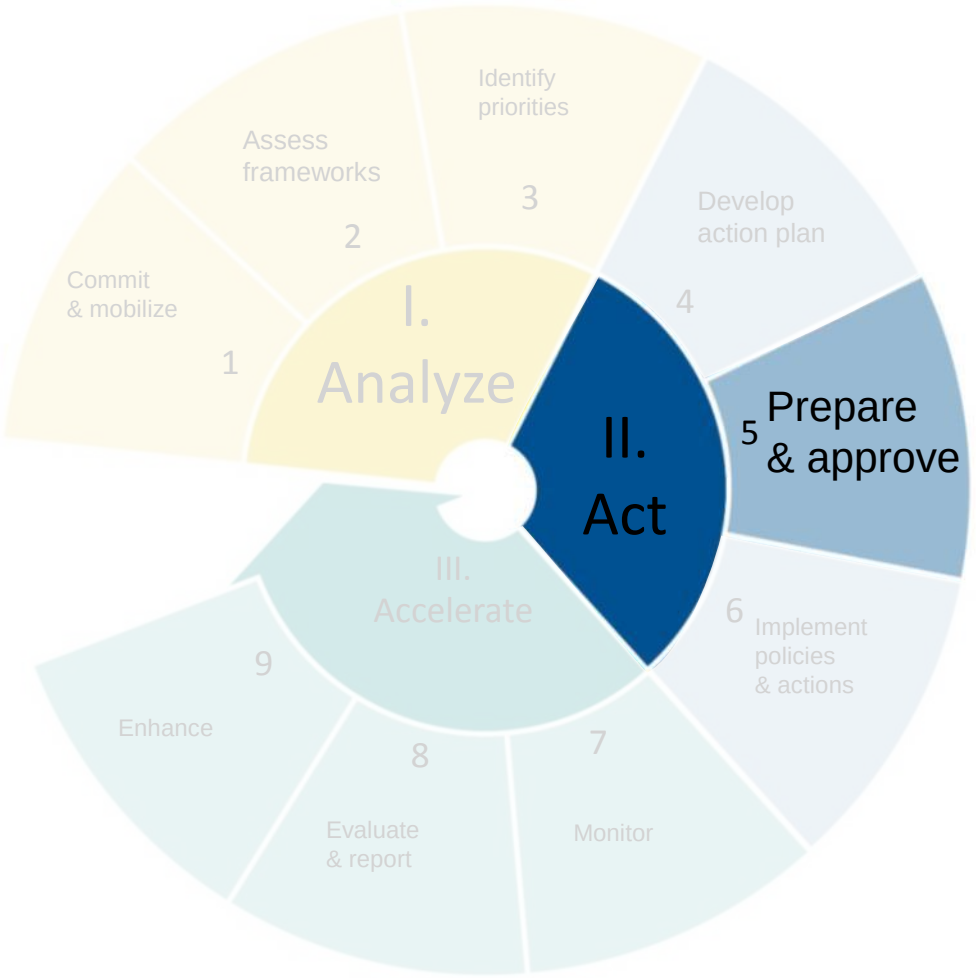

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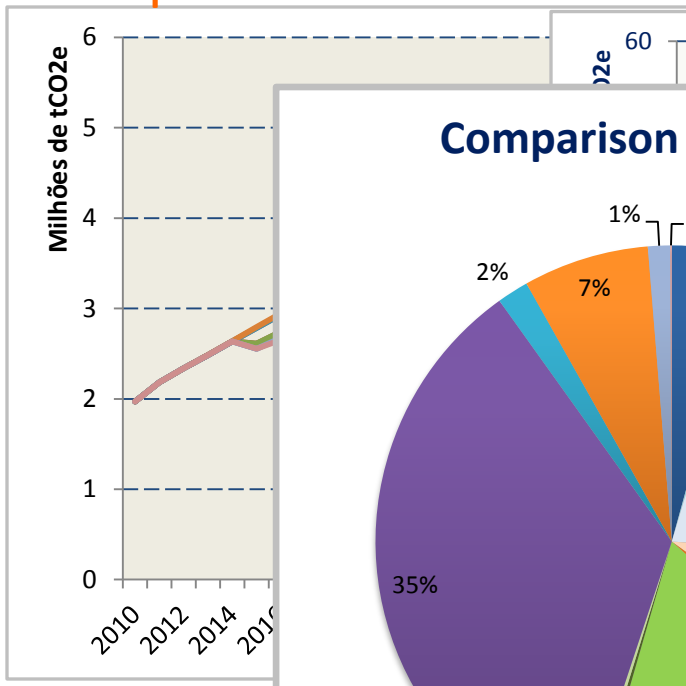
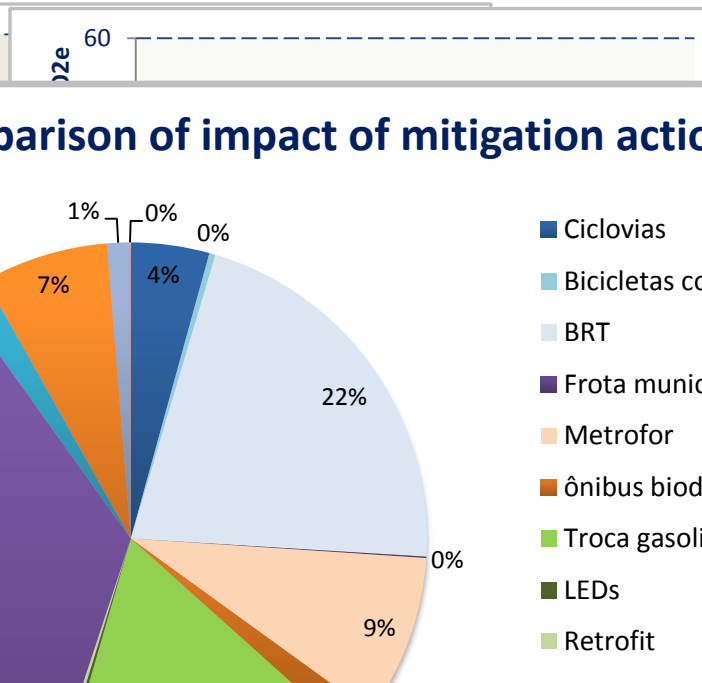
Preparing the LEDS action plan: impact projection

Example: Fortaleza

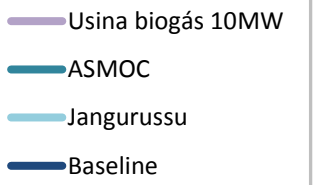
Transport

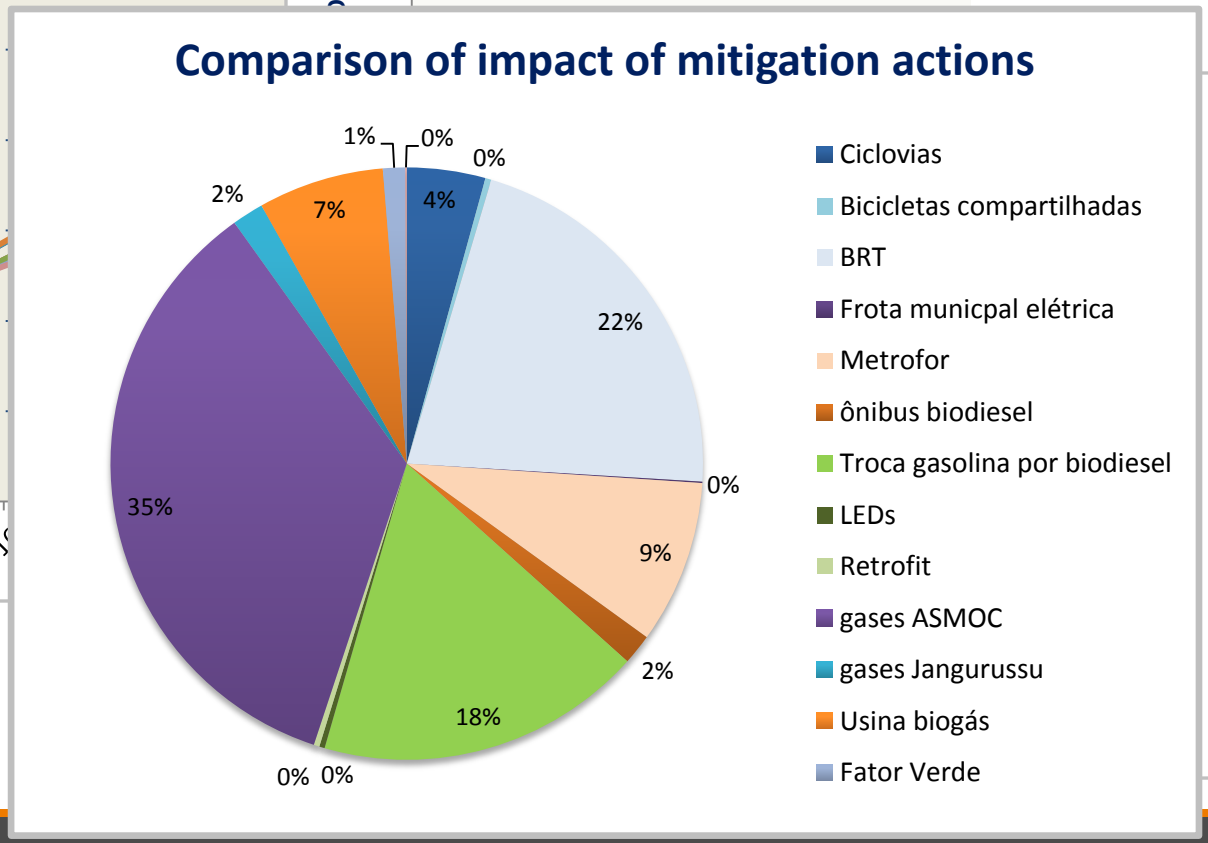


Energy- public sector



Waste





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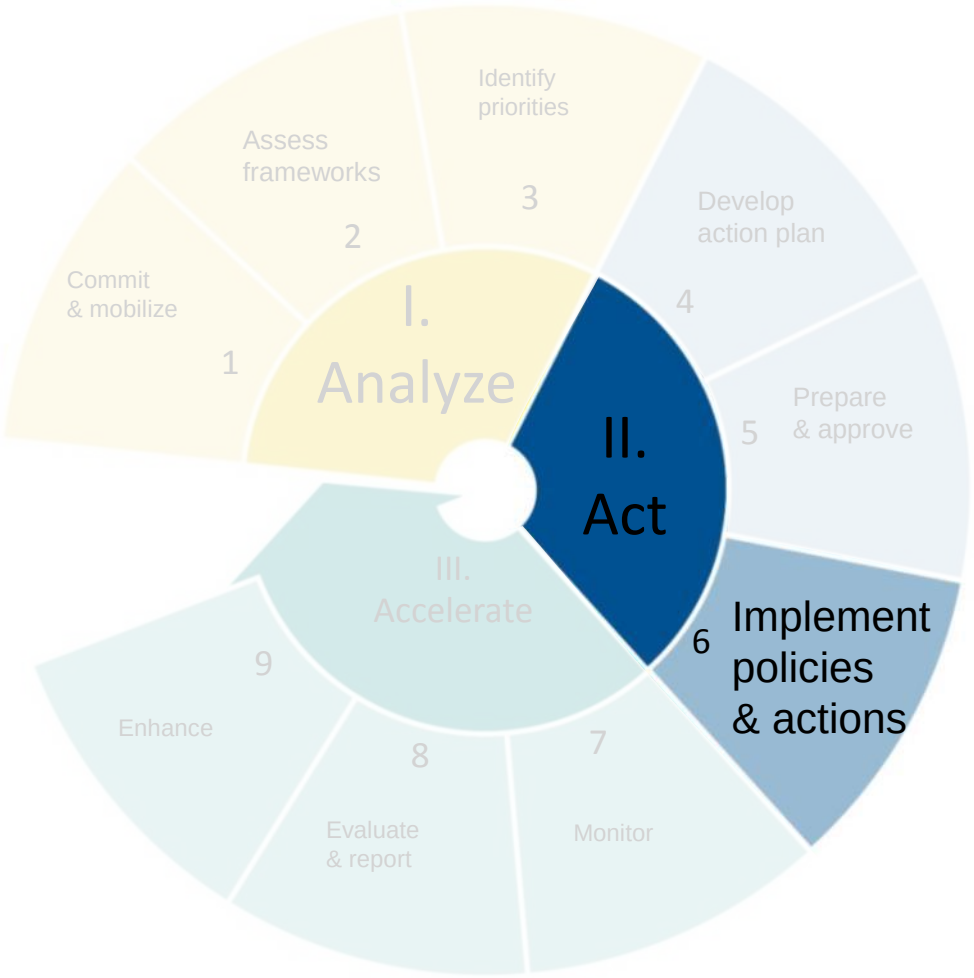

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A few early results

- Bogor
  - Creation of Municipal workgroup by decree
  - 2014 budget includes Urban-LEDS activities

- Recife
  - Decree requires periodic GHG emissions inventory, Feb 2014
  - Green roofs law, Dec 2014
    - Inspired by Copenhagen‘s example

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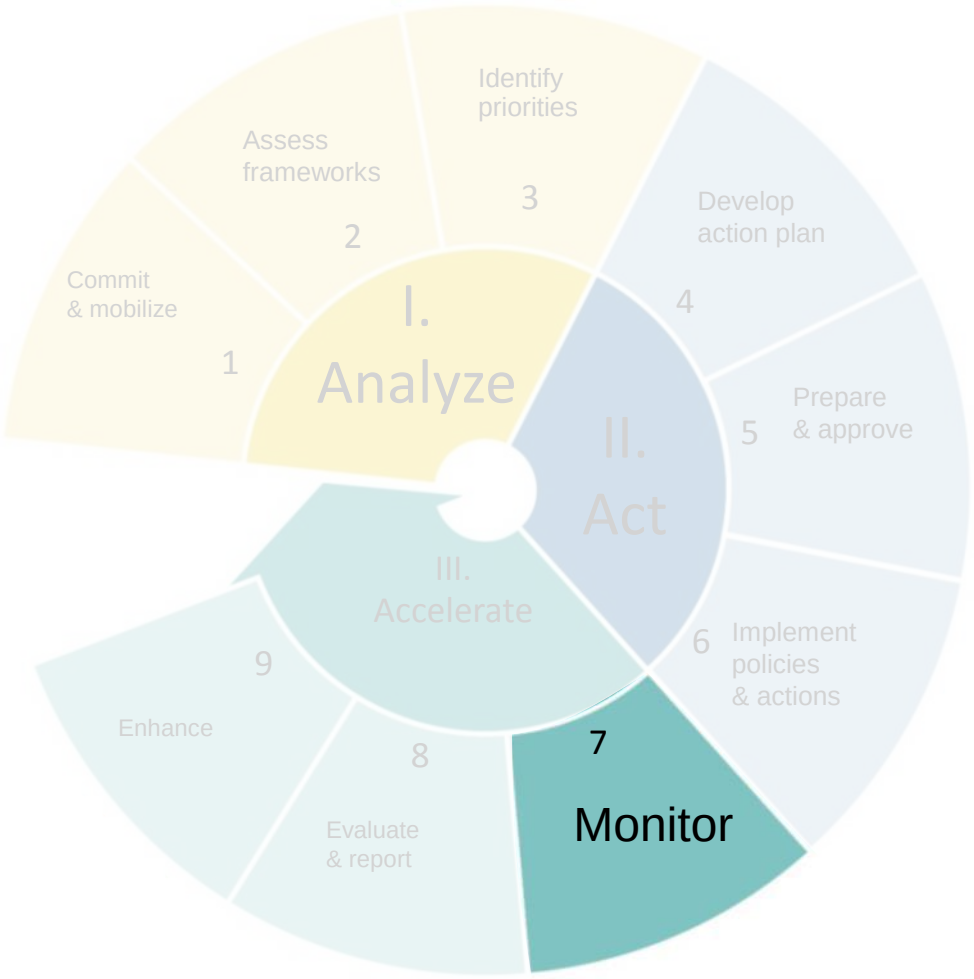

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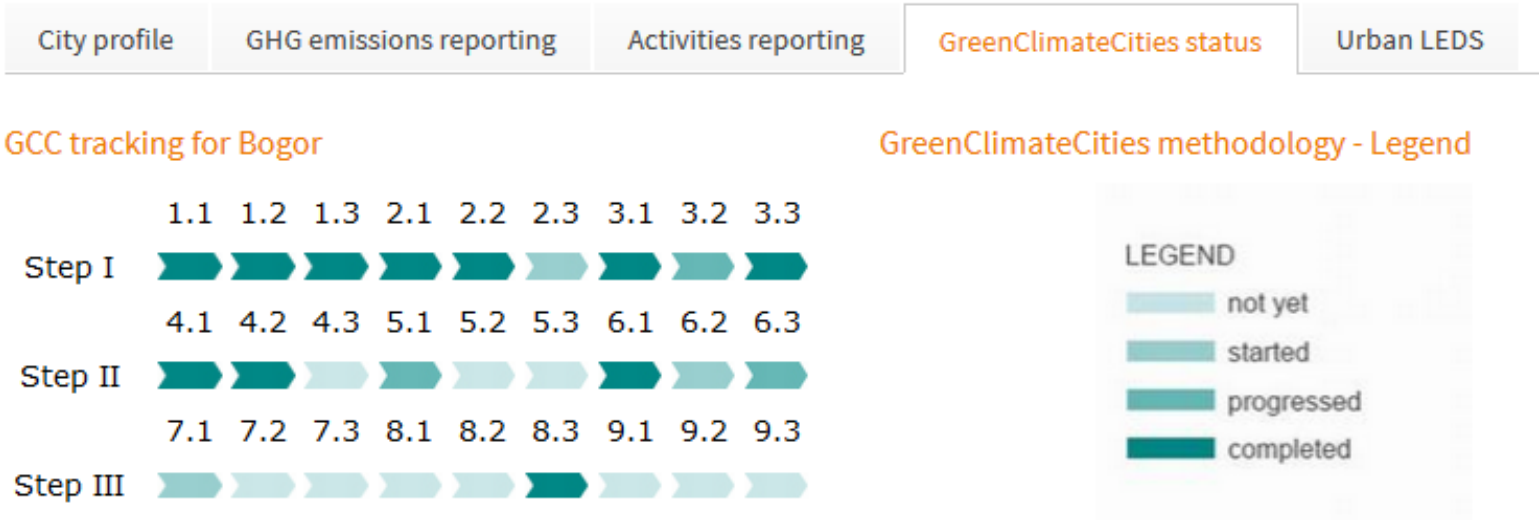
Urban-LEDS project

- GCC implementation



- **Urban-LEDS guide will include GCC MRV system**

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Reporting local climate action

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Key resource: Solutions Gateway

Addressing non-technological barriers to large-scale deployment of climate technology

http://www.solutions-gateway.org

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Solutions Gateway

Low Carbon Solutions for Urban Development Challenges

- **Key features:**
  - Guidance on Low-Emissions Development
  - Based on proven technologies and practices
  - Developed by experts, and peer-reviewed
  - Integrated approach to maximize results
  - Tailor-made for Local Governments
  - Practice oriented resources

Solution:

Process, or group of coherent actions, aligned with Local Government's roles, that deliver climate change mitigation and enhance sustainable development.

Solutions Package (or Package):
Group of Solutions under a given theme, which complement each other by generating synergies and increasing impacts.

Case study:
Example of the implementation of a Solution or Package in a given city.

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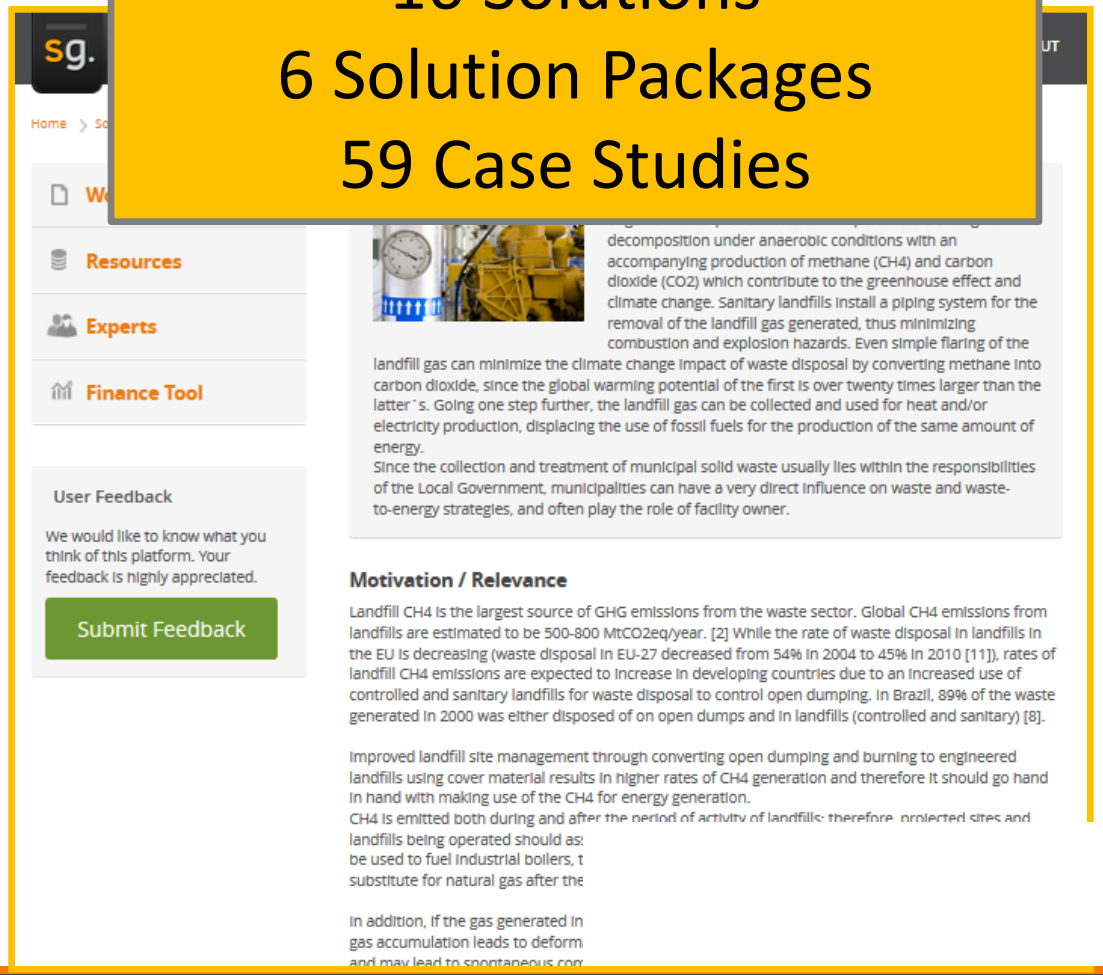
Themes

- Energy utilities
- Transport
- Waste
- Water
- Buildings
- Cross-sectorial
- Local Gov Operations

The Solutions Gateway currently displays:
16 Solutions
6 Solution Packages
59 Case Studies



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Pool of experts created and used

- Access to world-class experts
  - Technical
  - Municipal
  - Financial
- Technical support services
- Strategic and financial guidance
- Capacity building
- Thematic subgroups aligned
- Cross-sectorial sub-divided:
  - Procurement
  - GHG emissions
  - Etc.

Afri-Coast Engineers
CEWEP
CORE Sustainability Services
Gbfor
i-San
IFEU
IRENA
ISOCARP
Manchester University
MCA Urban and Enviro Planners
Net Energy
Steadfast Greening
Sustainable Energy Africa
World Bank
WRI
…

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Practice oriented resources

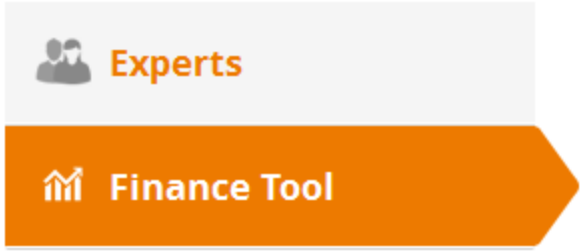
Experts

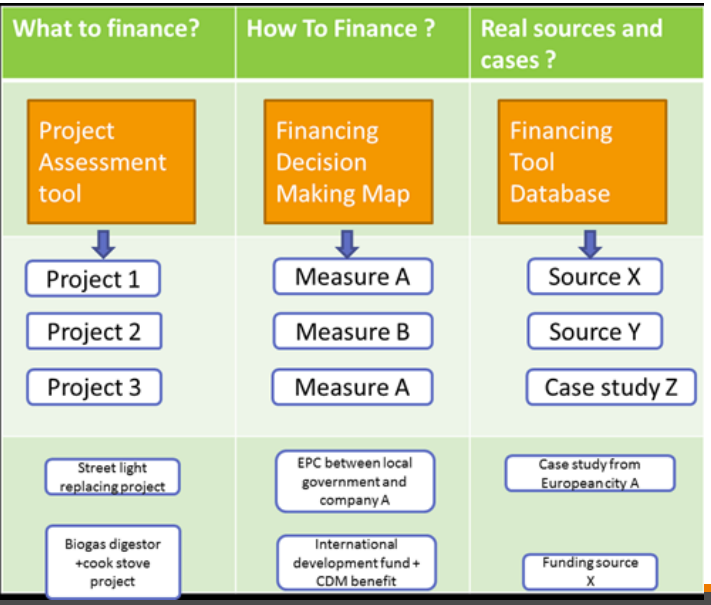
Finance Tool

Pool of experts:
Network of experts who can provide guidance on strategic, technical, organizational and financial issues to support Low Emissions Development. Namely to build capacity to develop bankable project concepts

- Set-up as LinkedIn group
- Experts join as individuals

Practice oriented resources





Finance tool:
Helps Local Governments identify possible financing options to implement selected projects and realize their Low Emission Development Strategies.
Includes a decision-making map and is supported by a database with case studies.

- Will be online by August 2015

Thank you for your attention!

Contacts

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