



**Best practices of mitigation and adaptation  
measures of no-regrets or with co-benefits, based  
on cases from Europe and Latin America**

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# Background: Latin America

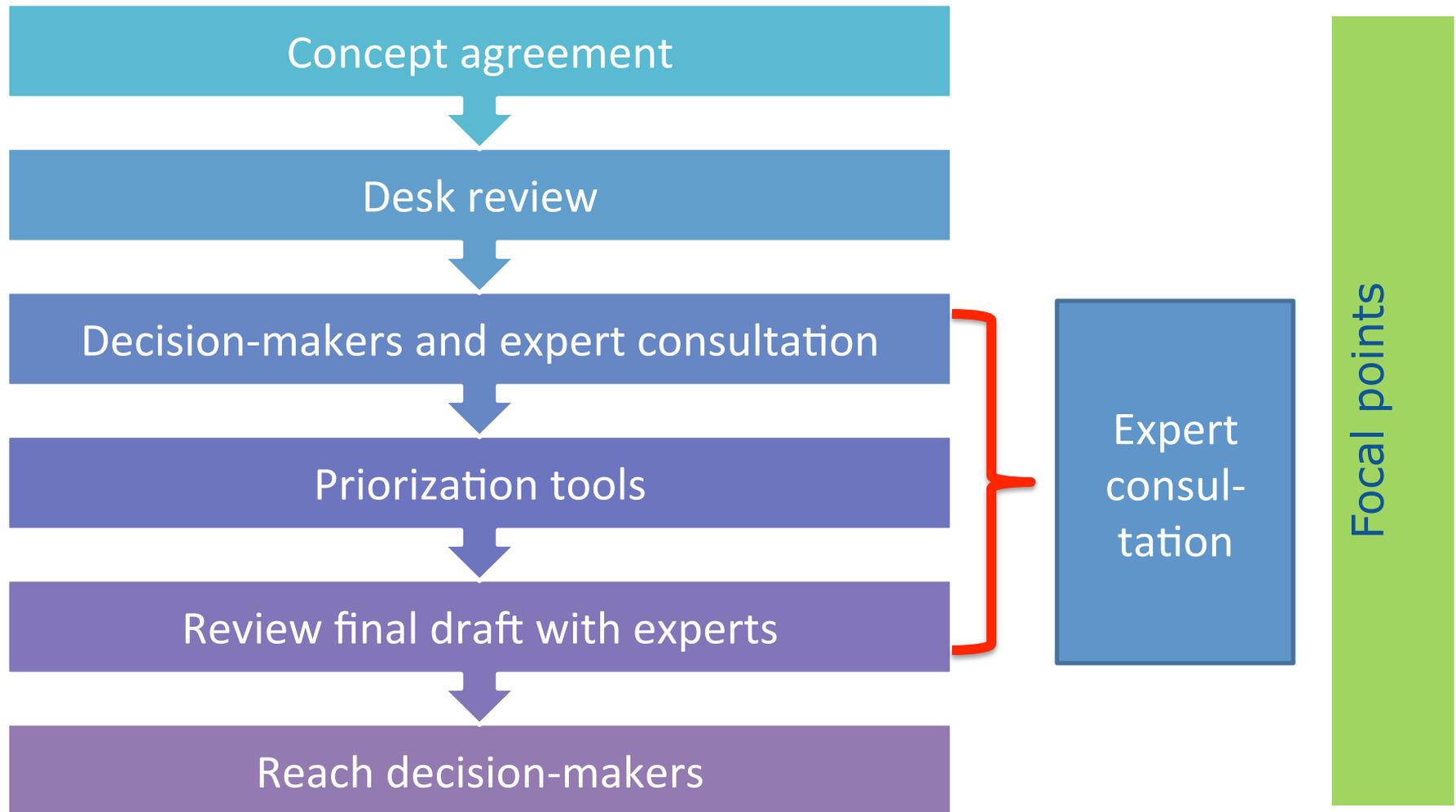
- An R+D lab on fighting climate change.
- Leadership in the use and design of new policy frameworks, such as NAMAs, NAPs and LEDS.
- Risk of learning on-the-go: duplicity of efforts, lack of coordination among donors, difficulties in creating a long-term vision, long planning processes.
- Opportunity: Learn from successful experiences.
- EUROCLIMA seeks to facilitate this learning process, presenting successful experiences from Latin America and Europe.



# Objective of the Study:

- Review of best practices of adaptation and mitigation no-regrets measures or measures with co-benefits, from Europe and Latin America. These best practices can then be integrated into national development policies and plans when considered relevant.

# Implementation and coordination process





# Initial definition: **Mitigation** measures with co-benefits

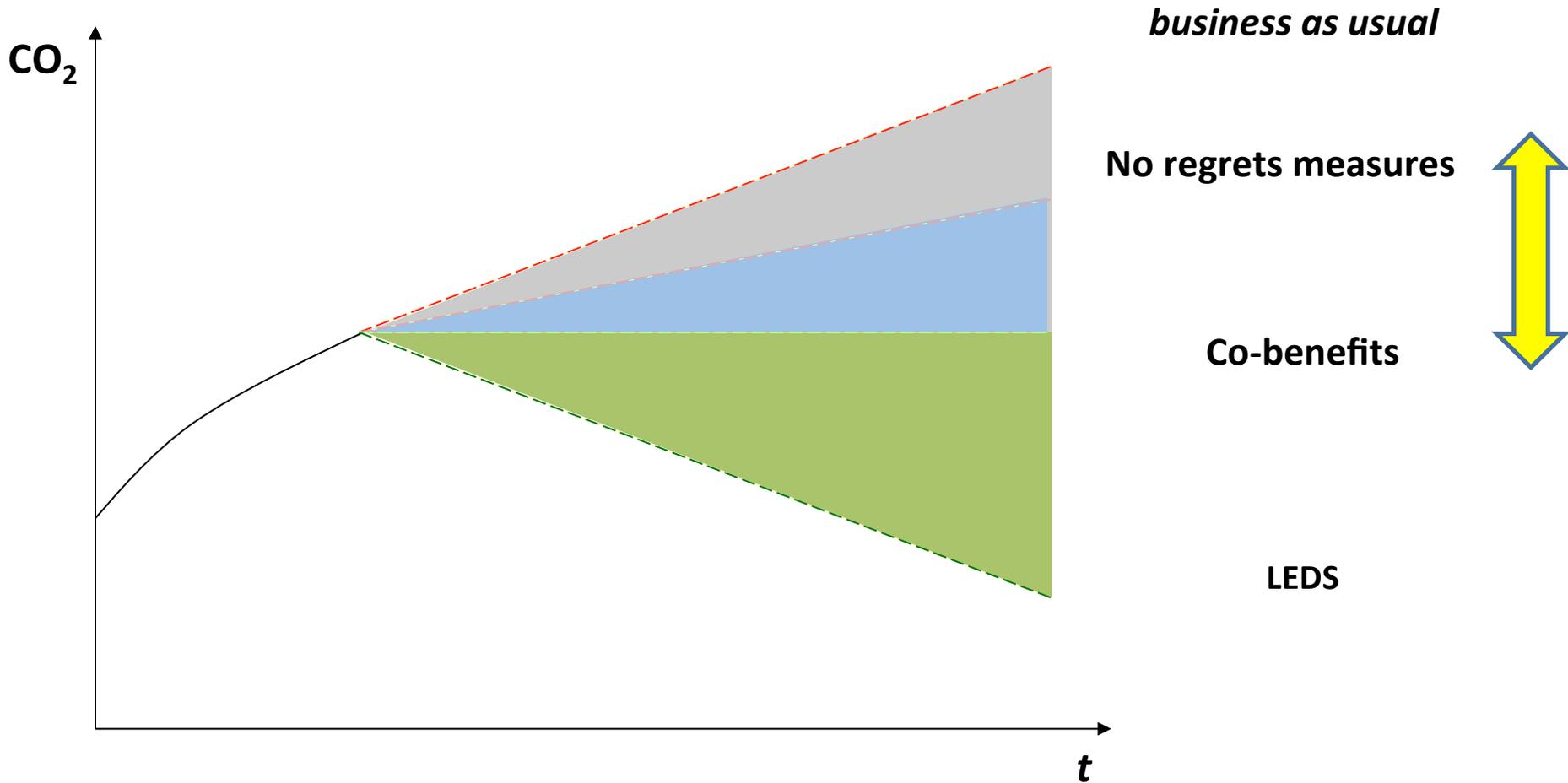
- According to the IPCC no-regrets measures are those which benefits are equal or larger than societal costs, excluding mitigation (*and adaptation*) benefits.
- These measures have relatively a low-risk profile in taking wrong decisions that involve additional societal costs.
- On marginal abatement costs they tend to have negative costs or near-zero costs.
- This study follows not only no-regrets approach



# Initial definition: **Adaptation** measures with co-benefits

- Adaptation: result of the decision to adjust policies and practices to projected changes in the environment due to climate change.
- Thus, it requires an analysis of the potential impacts of climate change, an assessment of current capacity to respond to the potential impacts (adaptation capacity) as well as an analysis of the best possible responses.
- Adaptation measures are considered to have co-benefits if they achieve benefits other than the principal (adaptation) objectives of the measures.

# Measures with co-benefits







# Key activities (1/2)

## A. Desk review

- Concept discussion and definition
- Evaluation methodology and criteria
- Compilation of adaptation and mitigation measures from Europe and Latin America
- Identify adaptation and mitigation synergies
- Decision-making tools



# Key activities (2/2)

- B. Interview experts to obtain information about climate action plans that consider co-benefits
- 1 Expert consultation (EC, CEPAL, IICA, JRC, knowledge networks, etc)
  - 2 EUROCLIMA focal points
  - 3 Reference tool to facilitate prioritization
  - 4 Validation with experts
  - 5 Recommend on the process to reach decision-makers



# Where are we?

## A. Desk review

- 1 Concept discussion and definition
- 2 Evaluation methodology and criteria
- 3 Compilation of adaptation and mitigation measures from Europe and Latin America
- 4 Identify adaptation and mitigation synergies
- 5 Decision-making tools

## B. Interview experts to obtain information about climate action plans that consider additional benefits

- 1 Expert consultation
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# Methodological criteria

- Wide definition of what constitutes co-benefits (sectors)
- Measures implemented during the past 5 years
- Based on sectorial priorities of participating countries
- Geographic and sectorial diversity in case selection
- Assessing non-environmental factors

# Elements to study for the cases of interest:



## Adaptation

- Potential impacts it is supposed to address
- Adaptive capacity of the population
- Sustainability in natural resource management
- Ecosystem and biodiversity conservation
- Synergies with national (low-emission) development strategies
- Creation of jobs, income
- Feasibility
- Cost-effectiveness and cost-benefit
- Stakeholder coordination and participation
- Flexibility in planning and execution

## Mitigation

- Abatement potential
- Marginal abatement cost
- Technology readiness / maturity
- Environmental and social co-benefits
- Economic impact
- Technical, regulatory and financial barriers
- Investment attraction
- Job creation

# Initially identified best practices

## Adaptation

- Potato agriculture / Peru / International potato institute
- Agricultural insurance / Mexico / Uruguay
- Vulnerability assessments
- Bio-diversity corridors
- Sea level rise management / Buenos Aires and Uruguay
- UN Adaptation Fund
- Heat waves
- Public health management
- Ecuador on coastal areas
- Ecosystem-based adaptation
- Cuban adaptation strategy
- Forest management in El Salvador
- Mini-hydro
- Coffee NAMA Costa Rica

## Mitigation

- Transport/ Fleet improvement
- Transport / Public transport systems
- Transport / Fuel quality
- Energy / Energy efficiency
- Energy / Renewable energy
- Energy / Mini-hydro
- REDD / Avoided eforestation
- Environmental taxes
- Sao Paulo Climate Change plan
- Tax law in Ecuador to avoid the import of second-hand cars
- Transport-oriented urban development
- Transport / Traffic management



# Objective of the Mission to EU:

- Assess and extract lessons learned from climate change adaptation and mitigation actions in Europe that consider co-benefits
- Exchange information with European policy officials on concepts, definitions, and approaches related to climate change adaptation and mitigation



# Meetings 24-26 March

Organization	Contact person
<b>Briefing</b> , EUROCLIMA Technical Assistance	Jan Karremans, Director TA Valentina Villoria, Expert C&V
POLIS network ( <a href="http://www.polisnetwork.eu/">http://www.polisnetwork.eu/</a> )	Daniela Stoycheva, Project Manager
DG CLIMA (European Commission) ( <a href="http://ec.europa.eu/clima/">http://ec.europa.eu/clima/</a> )	Cornelia Jaeger, Policy Officer Adaptation
DG CLIMA (European Commission) ( <a href="http://ec.europa.eu/clima/">http://ec.europa.eu/clima/</a> )	Stephan Agne, Policy Officer - International climate finance
Energy Cities ( <a href="http://www.energy-cities.eu/">http://www.energy-cities.eu/</a> )	Frederic Boyer, European Affairs Officer
Climate Alliance ( <a href="http://www.climatealliance.org/">http://www.climatealliance.org/</a> )	<u>Monica Sirbu</u> , Policy and Communications Officer
DG CLIMA (European Commission) ( <a href="http://ec.europa.eu/clima/">http://ec.europa.eu/clima/</a> ) and DG Environment ( <a href="http://ec.europa.eu/dgs/environment/">ec.europa.eu/dgs/environment/</a> )	Ariane Labat, Policy Officer - Economic assessment of climate policies & Paulo Domingos Paixao, Policy Officer - for relations with Latin America, Caribbean and Pacific
DG Energy (European Commission) ( <a href="http://ec.europa.eu/energy/">http://ec.europa.eu/energy/</a> )	Pedro Ballesteros, International Relations Officer
<b>Debriefing</b> , EuropeAid/G/2 (European Commission)	Catherine Ghyoot, EUROCLIMA Programme Manager Sonia Estaban-Agut, EUROCLIMA Programme Manager



# Progress & results (mitigation):

- Wider definition and concepts related to climate mitigation (job creation, involvement of SMEs, etc)
- Compilation of experiences based on interviews and contacts
- Extracted lessons learned on:
  - Use of public funding to make bankable projects (Elena facility)
  - Working with a bottom/up approach with cities
  - Knowledge and membership networks to promote clean energy investments to achieve climate goals



# Progress & results (adaptation):

- Fine tuning definition and concepts
- Compilation of experiences based on interviews and contacts
- Extracted lessons learned on:
  - Adaptation policy is still evolving, calling for a more pragmatic definition
  - Difficulties in showing success of adaptation practices
  - Best practices more based on experience in enhancing adaptive capacity, rather than showing adaptation results
  - The importance of networking for exchange of experiences and information (Covenant of mayors, Polis/Solutions)
  - The existence of many adaptation initiatives



# Next steps:

- Deepen analysis of case studies
- Selection of 20 cases (probably 10 adaptation, 10 mitigation)
- Sharing and discussing preliminary report (ECLAC, others)
- Development of a user-friendly documentation to promote lessons learned and information exchange



# Calendar

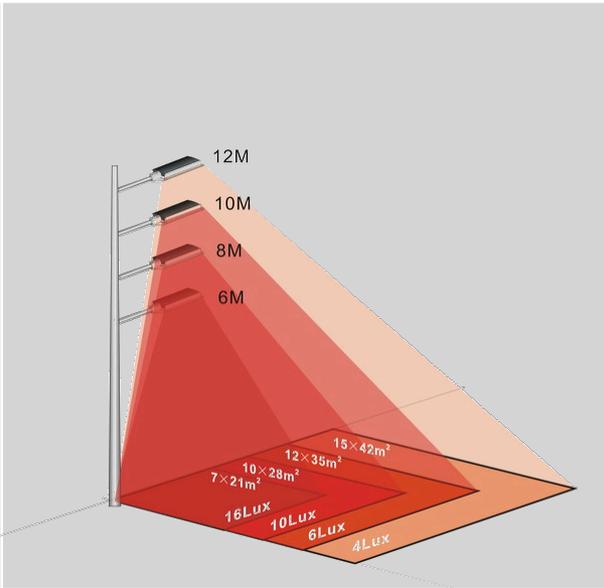
	5-16 feb	17-28 feb	3-14 mar	17-28 mar	31-11 abr	14-29 abr
<b>Product 1: Work plan</b> Concept discussion and best practice identification	X	X	X			
<b>Product 2a: Progress report</b> Interview experts		X	X	X		
<b>Product 2b: Progress report</b> Identify and document best practices			X	X	X	
<b>Product 3: Inventory and tools</b> Expert consultation				X	X	
<b>Product 4: Comments and final review</b>						X

# Examples of experiences

**Energy efficiency in using natural gas in industry**



**Public lighting and water pumping**



**Agro-industry energy use and rural electrification**



# Examples of experiences

## Public transport



## Urban development



## Coastal management





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