

CLIMACAP



Integrated CLimate Modelling And CAPacity building in Latin America

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Supported by



ECN & Global Sustainability Group

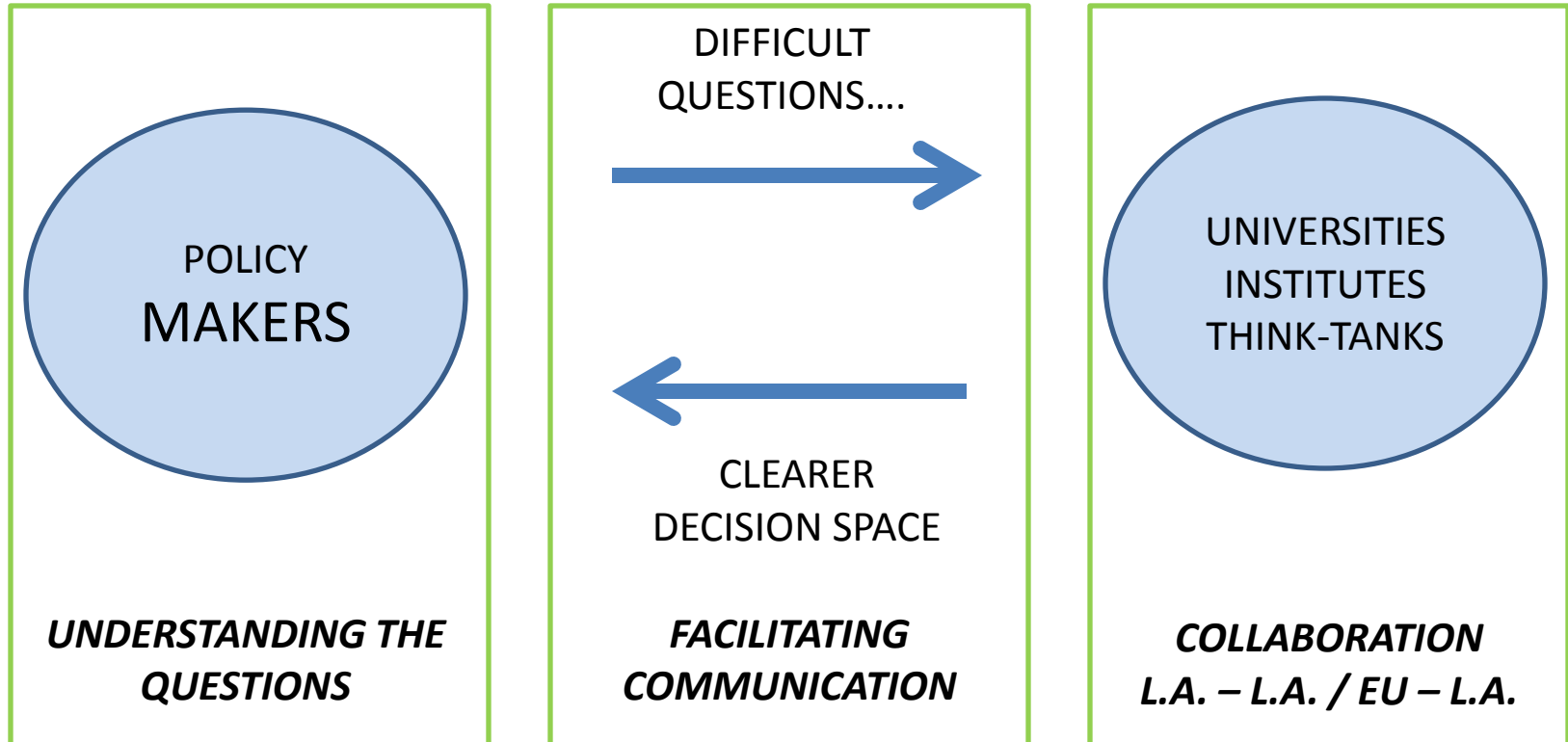
- ECN is the leading centre for energy research in The Netherlands with high-quality technical research and a global reach
- Policy Studies Unit specializes in national and international policies and measures to facilitate a sustainable global energy system. 70 scientific staff covering wide variety of disciplines and expertise
- Global Sustainability group specializes in international energy and climate policy. Recognized for bridging gap between conducting rigorous scientific analysis and providing pragmatic policy advice



Some big questions facing policy makers.....

- What are the potential climate change mitigation pathways for a country / region / planet?
- What is the most efficient / effective means of achieving climate change mitigation goals?
- What are the economic impacts of particular policies in the energy and LULUCF sectors?

CLIMACAP added value



Project vision / rationale

CLIMACAP project aims to:

- (1) provide capacity building to, and knowledge exchanges with, Latin American institutes in order that they can support Latin American policy makers make knowledge-based decisions on the **national / regional levels**
- (2) improve representation of Latin-America in global models, so that we can support policy makers to make knowledge-based decisions on a **global level**

The project will integrate model improvement, capacity building and policy strategy support into a single coherent process

CLIMACAP project details

Fully financed by the European Commission, DG CLIMA. Balanced consortium combining leading European and Latin American energy institutes. 36 month project, started in December 2012.



CLIMACAP



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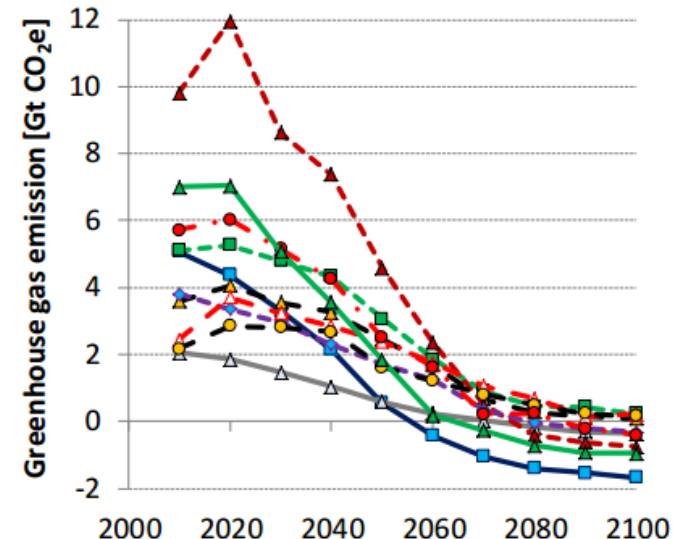
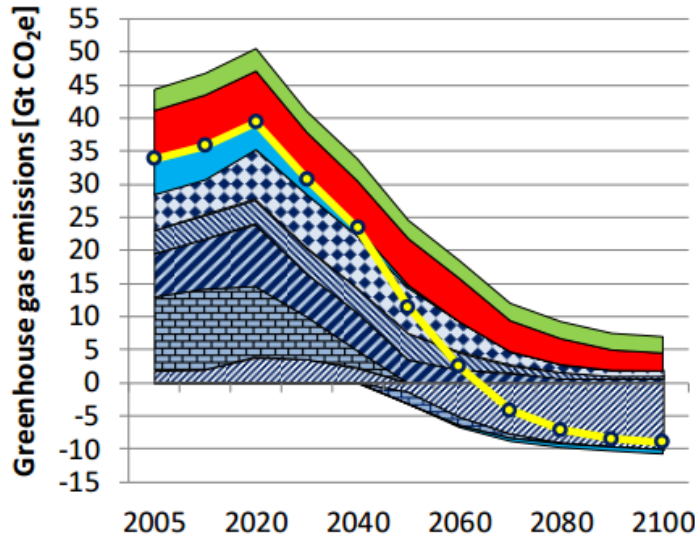





















CLIMACAP: Relevance for national level LEDS / policy implementation

- Supporting **national energy and GHG modeling** being conducted by *Colombia* Low Carbon Development Strategy (CLCDS), a government-led initiative.
- COPPE is coordinating an official Brazilian research project whose results will be officially used by *Brazil* to support its position in future negotiations – **approach and results will be shared with other Latin American modelers and policy makers** in CLIMACAP supported events.
- IPEA will **improve the Brazilian LULUCF model** through disaggregation (energy crops, food crops, other crops) and **develop LULUCF models for Argentina, Colombia and Mexico**.
- In *Argentina* and *Mexico*, FB and UNAM will improve model of **national energy system and GHG emissions and align national model with other models** (national, regional, global).
- Engage in a **dialogue** with LEDS policy makers and **offer training opportunities** for policy makers and their staff.



GLOBAL models: Example output from ECN's TIAM-ECN - Pathways for achieving 2 degrees target



- | | | | |
|---|---|---|---|
|  N2O Total |  CH4 Total |  Europe |  Africa |
|  CO2 Land-use |  CO2 Transport |  Pacific OECD |  China |
|  CO2 Households + commercial |  CO2 Industry |  Latin America |  Reforming Economies |
|  CO2 Electricity production |  CO2 Upstream |  India |  Middle East |
|  CO2 Total net | |  Other Asia |  North America |

Kober et al (2013)

CLIMACAP next steps

- Workshop in Bariloche, Argentina, 21st – 23rd of October 2013
 - Approximately 50 participants from a variety of Latin-American, European and North-American institutions (not just CLIMACAP consortium but also LAMP project)
 - Comparison of data-collection activities, baseline scenarios, technology deployment scenarios, LULUCF scenarios and climate policy scenarios (eg. carbon taxes)
 - 10 high-level policy makers invited from Argentina, Colombia, Mexico and Brazil to jointly define how CLIMACAP will engage with policy makers moving forward
- Next year will hold several capacity building events targeted at modelers / policy makers and another global modeling workshop: **Please contact CLIMACAP team if you are interested to join!**
- Aiming to produce a special issue of an academic journal in the lead up to COP 20

Thank you!

www.climacap.org

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