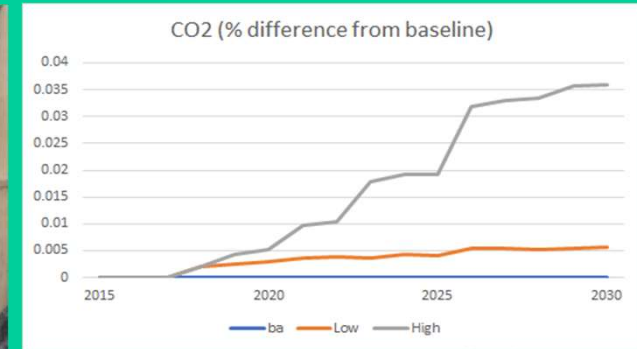
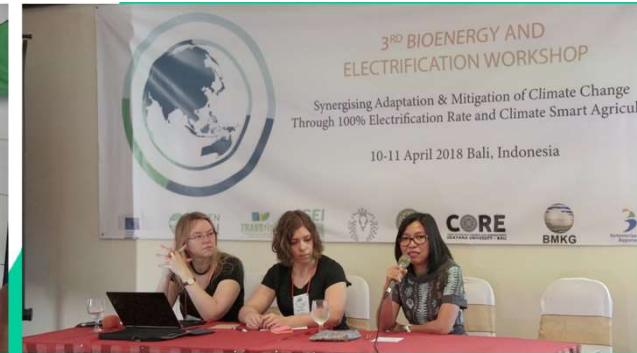


Capacity building++ on biogas & agriculture in Indonesia:

Policy Dialogue & Green Business



Prof.Dr. Takeshi Takama
dr@su-re.co



su-re.co
sustainability & resilience



**Stockholm
Environment
Institute**



No. 642018 & 642260

Integrated capacity development



Policy



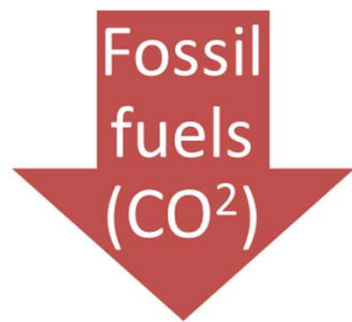
Science



Business

Toward 2 million biogas installation

Capacity development for biogas = climate & non-climate targets



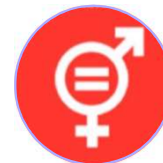
Clean energy




Sanitation



Health



Gender

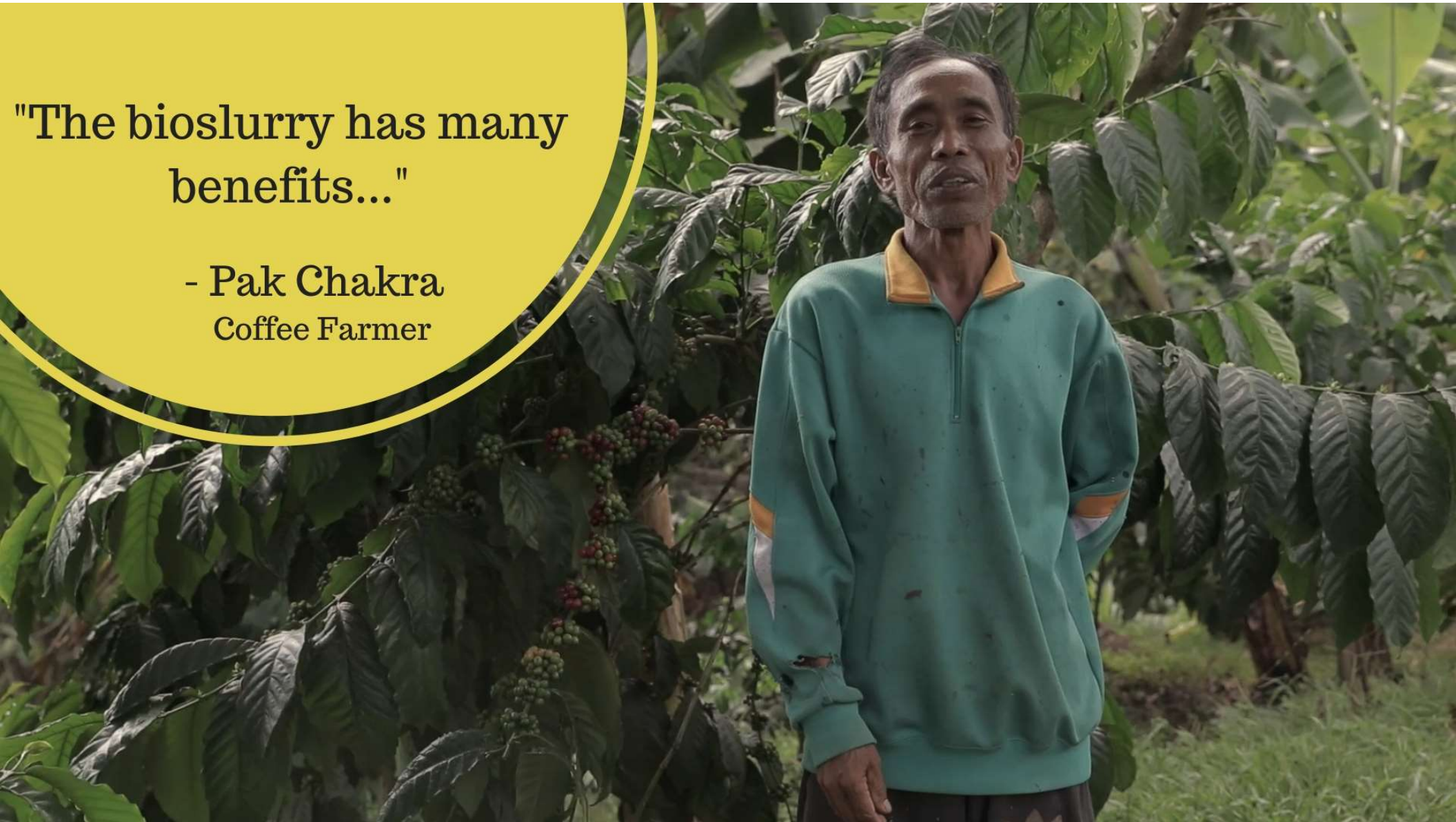
A man with a mustache, wearing a light grey polo shirt, stands in a cocoa plantation. Behind him is a biogas digester structure made of bamboo poles and black plastic sheeting. The background is filled with cocoa trees and their large, dark leaves.

"Biogas is useful for
cooking as well as for
lighting our homes..."

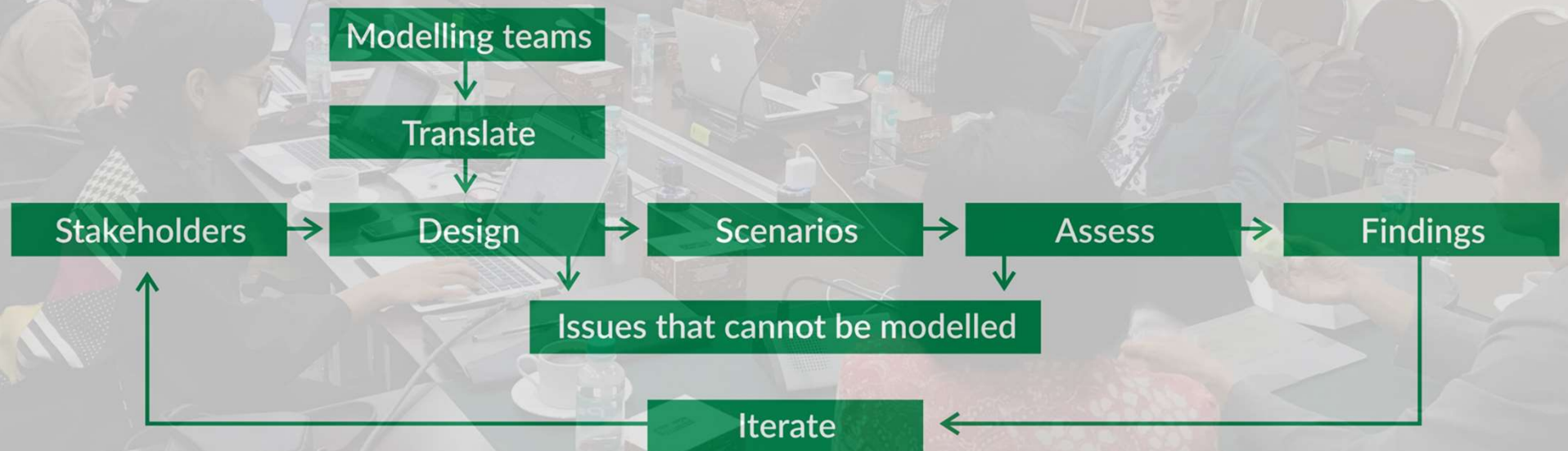
-Pak Ketut
Cocoa Farmer


"The bioslurry has many
benefits..."

- Pak Chakra
Coffee Farmer



Policy dialogue as capacity development

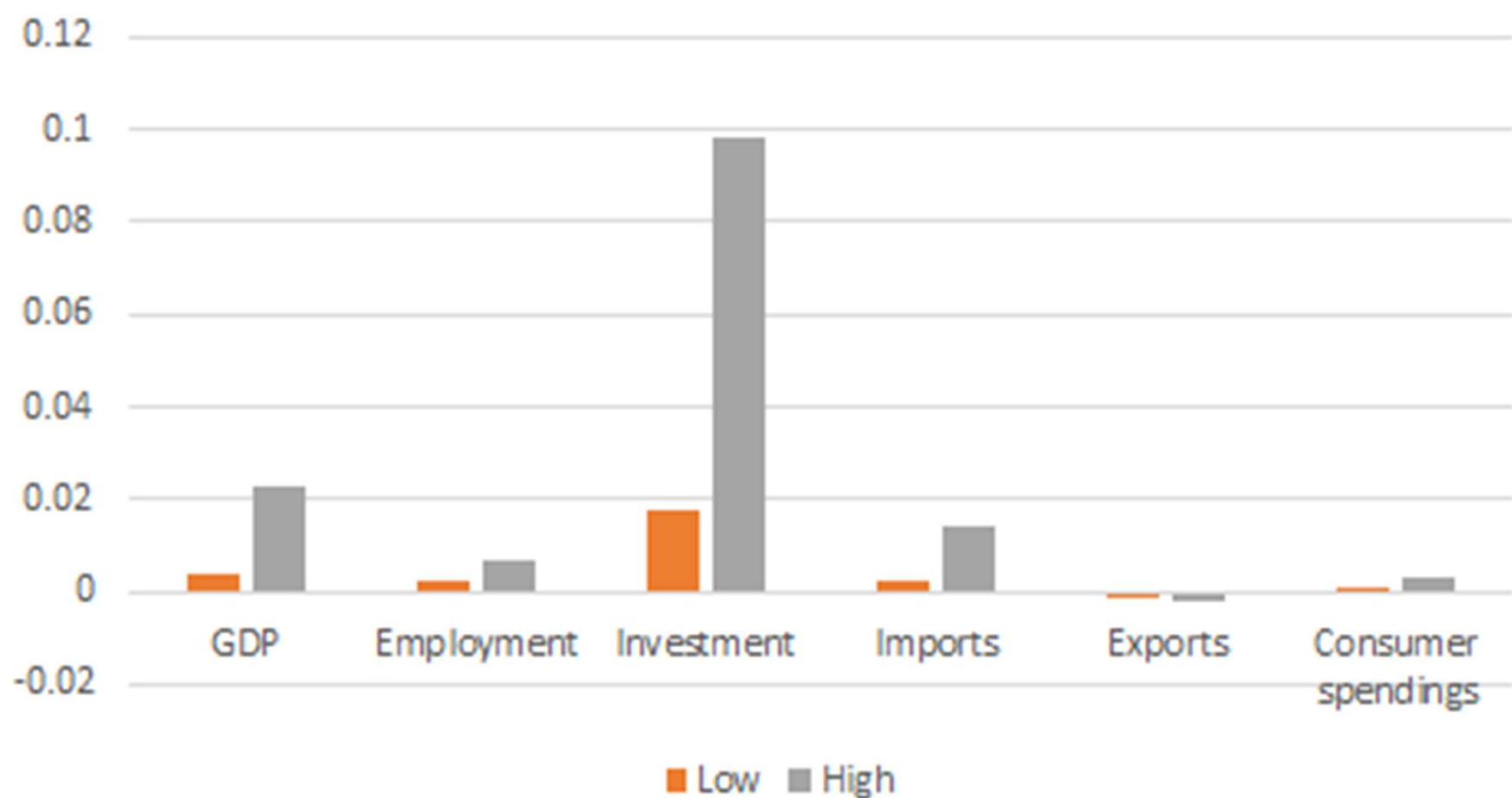


A woman with dark hair and glasses is speaking, looking slightly to her right. She is wearing a dark sweater with a colorful, intricate pattern. The background is a decorative screen with a repeating pattern of small, light-colored shapes. A large, semi-transparent pink circle is overlaid on the left side of the image, containing text.

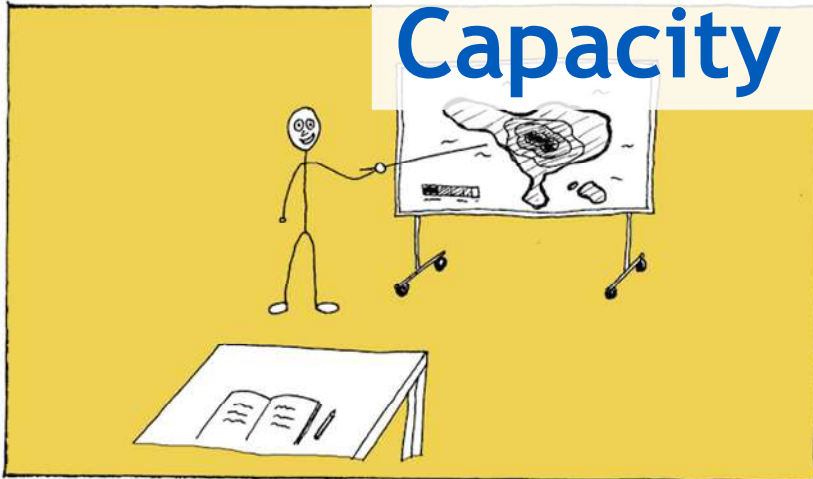
"It engages the
policy makers, so
the understanding
is built up and is
better..."

-Syamsidar Thamrin
Indonesian Ministry of
National Development
Planning

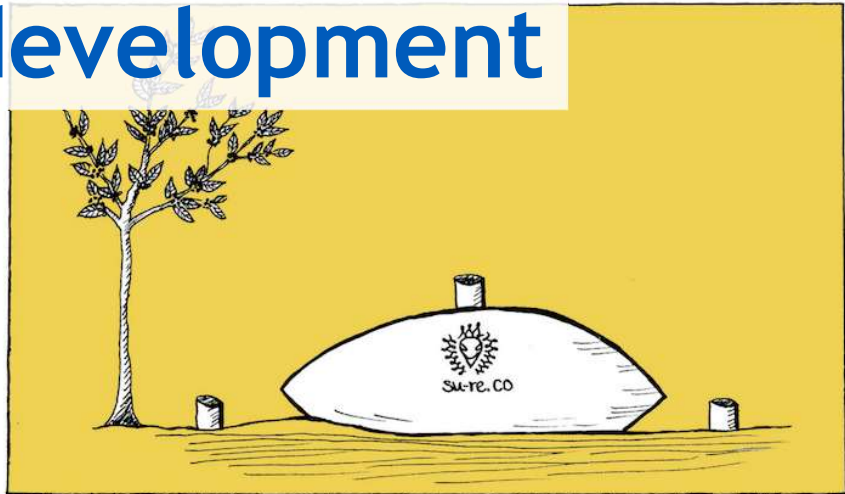
Macroeconomic Impacts Summary 2030 (% diff)



Capacity development



CLIMATE FIELD SCHOOL



INSTALL BIOGAS DIGESTER AT FARM



COFFEE DELIVERY TO YOUR HOME



HAPPY CUSTOMER & FARMER! HEALTHY NATURE!



As “a result” of:



Crowdfunding
is on, NOW!!

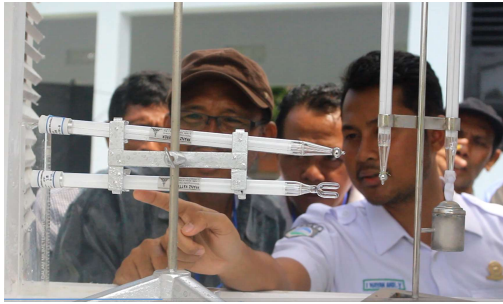


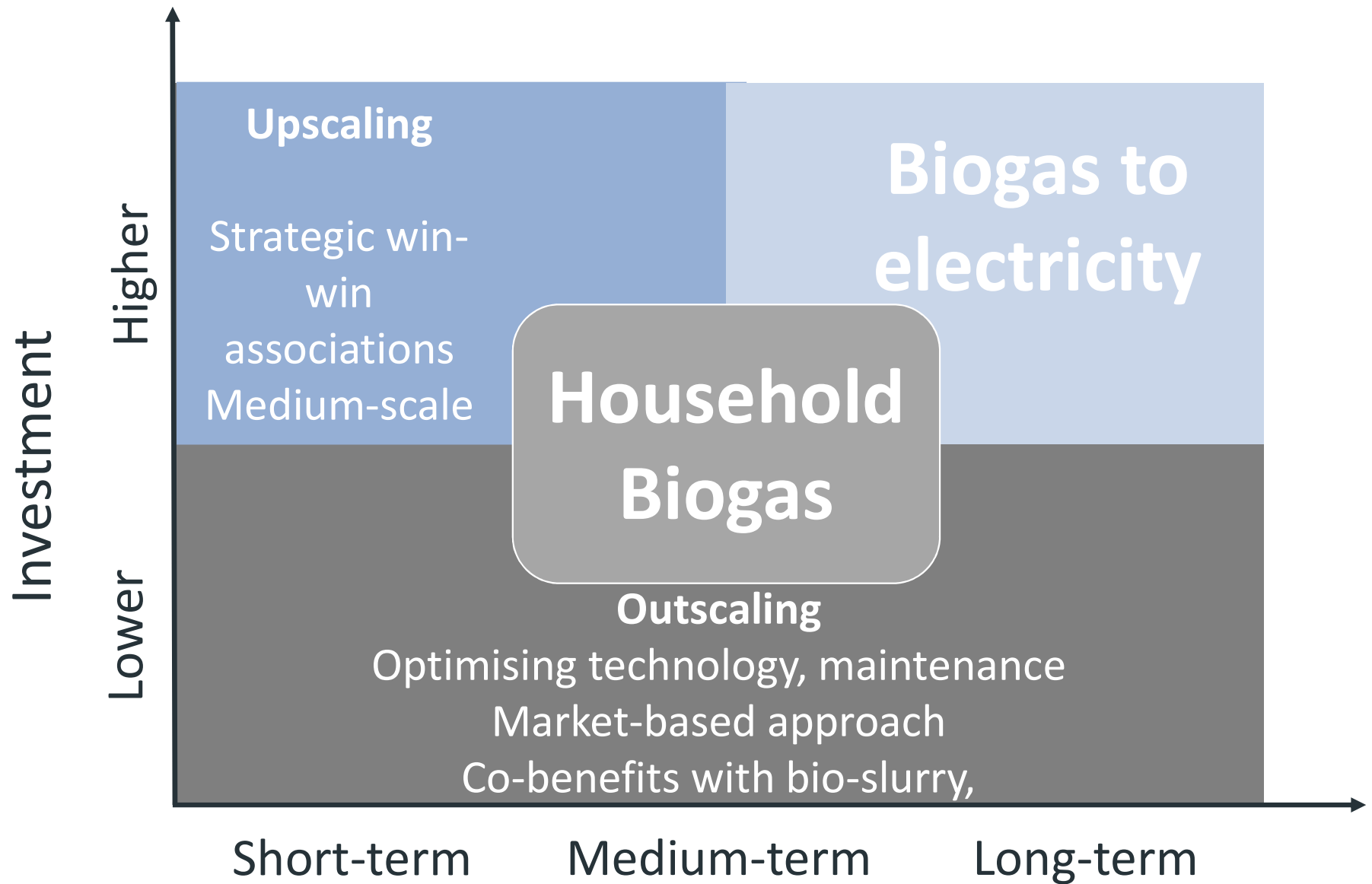
www.su-re.coffee



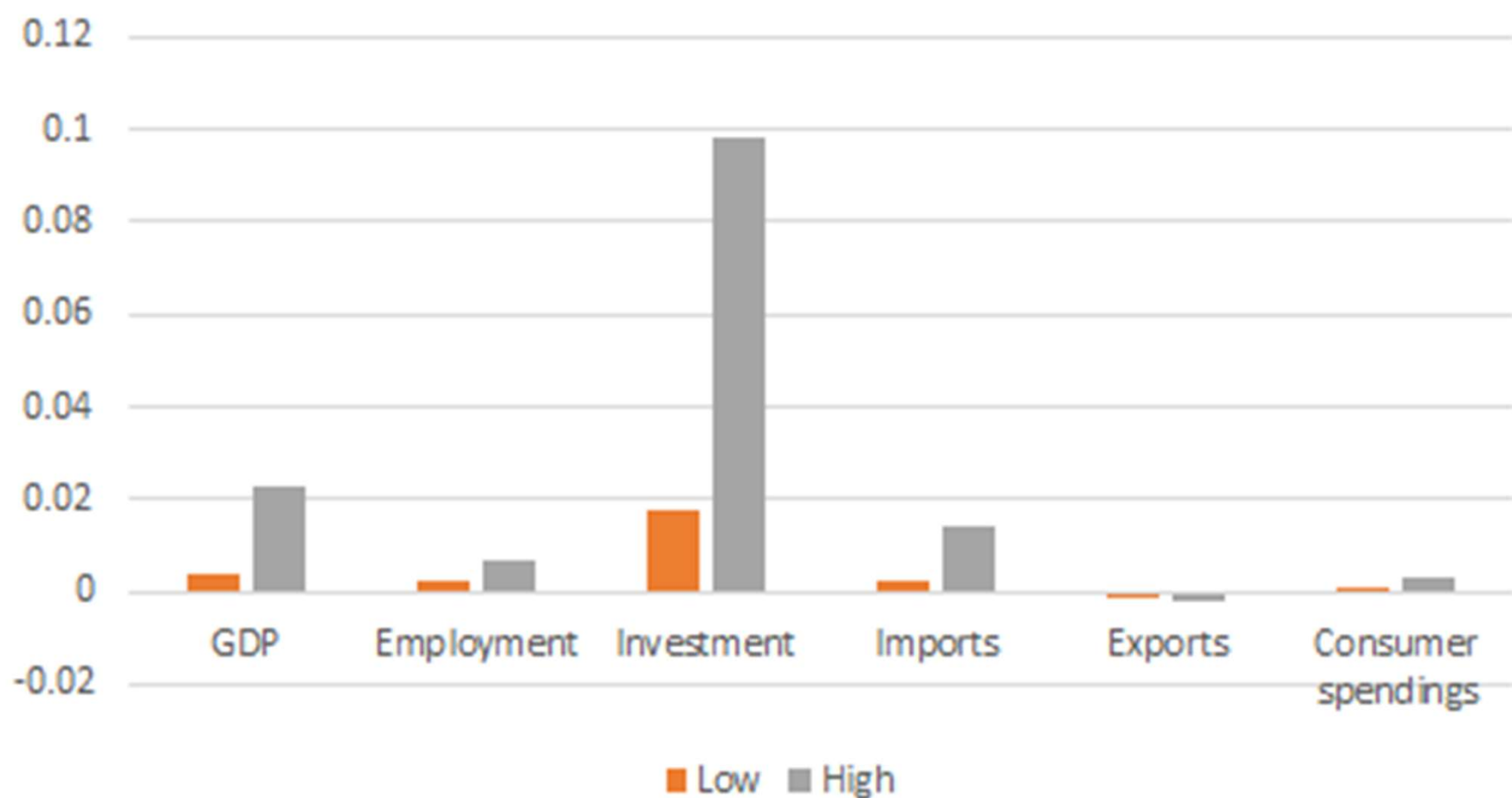
lil lotus coffee

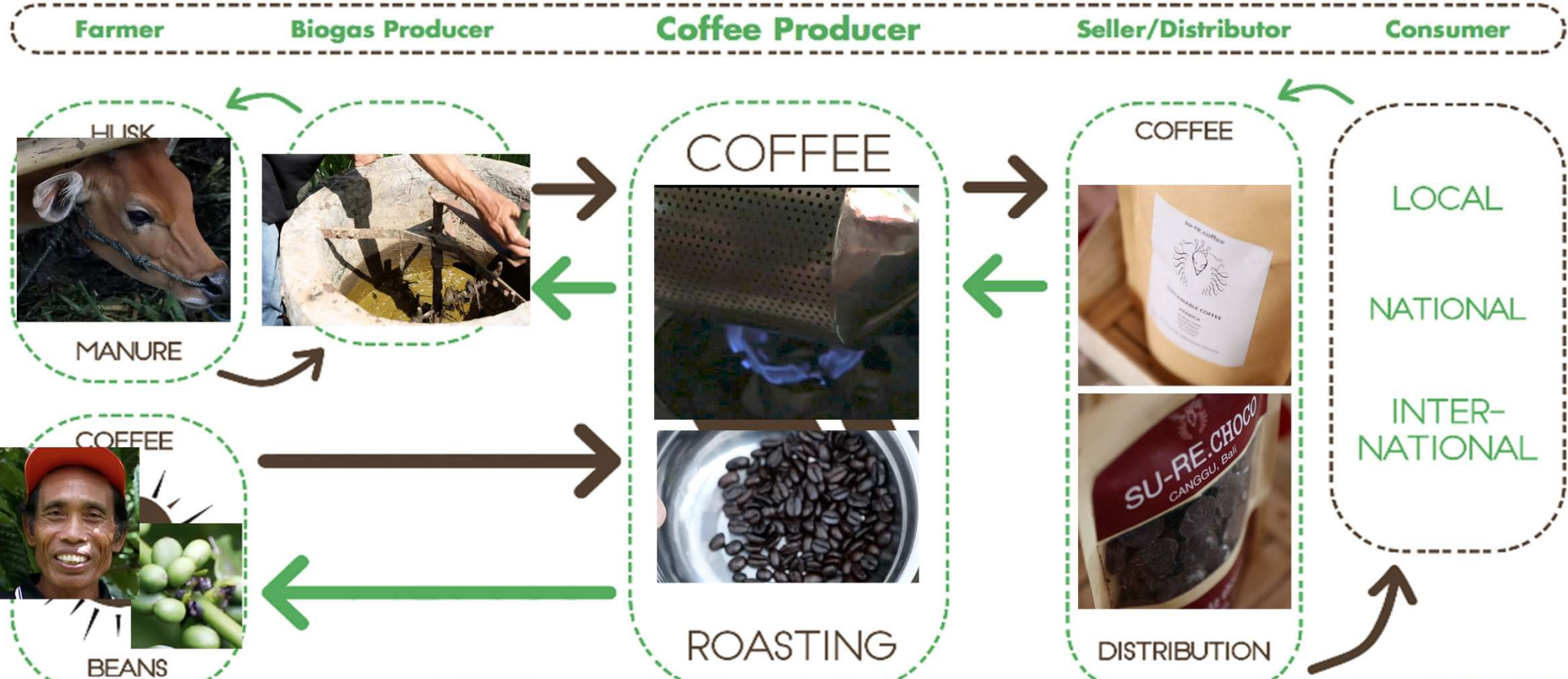
Climate Field School for Coffee & Cacao



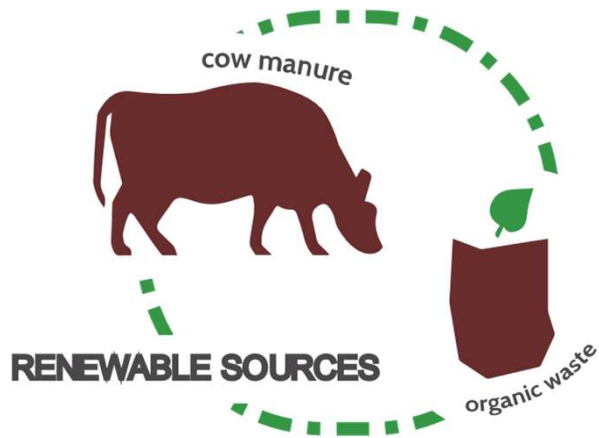
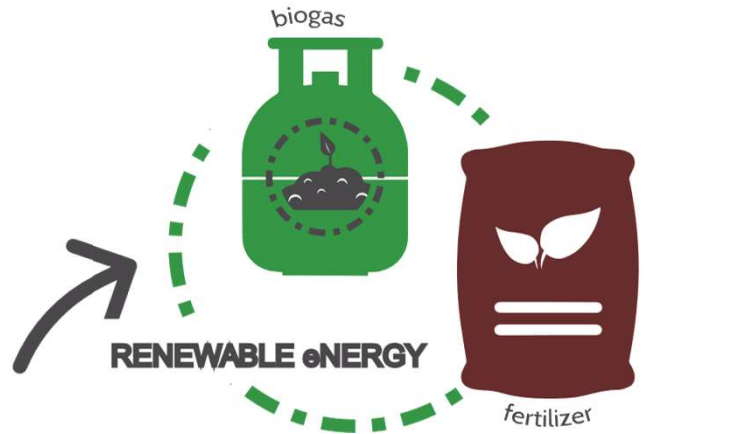
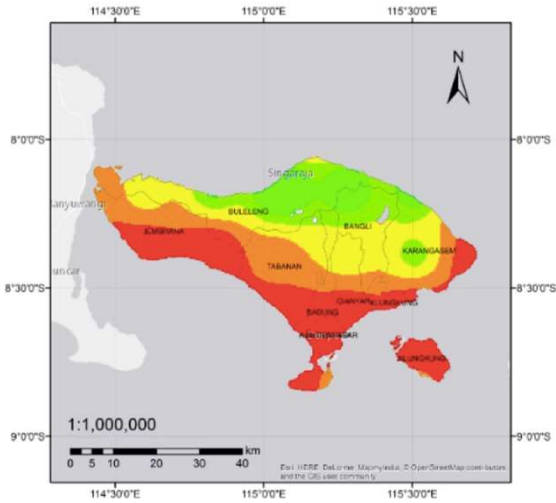


Macroeconomic Impacts Summary 2030 (% diff)

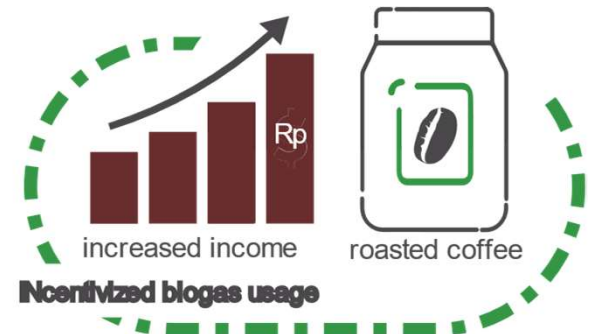




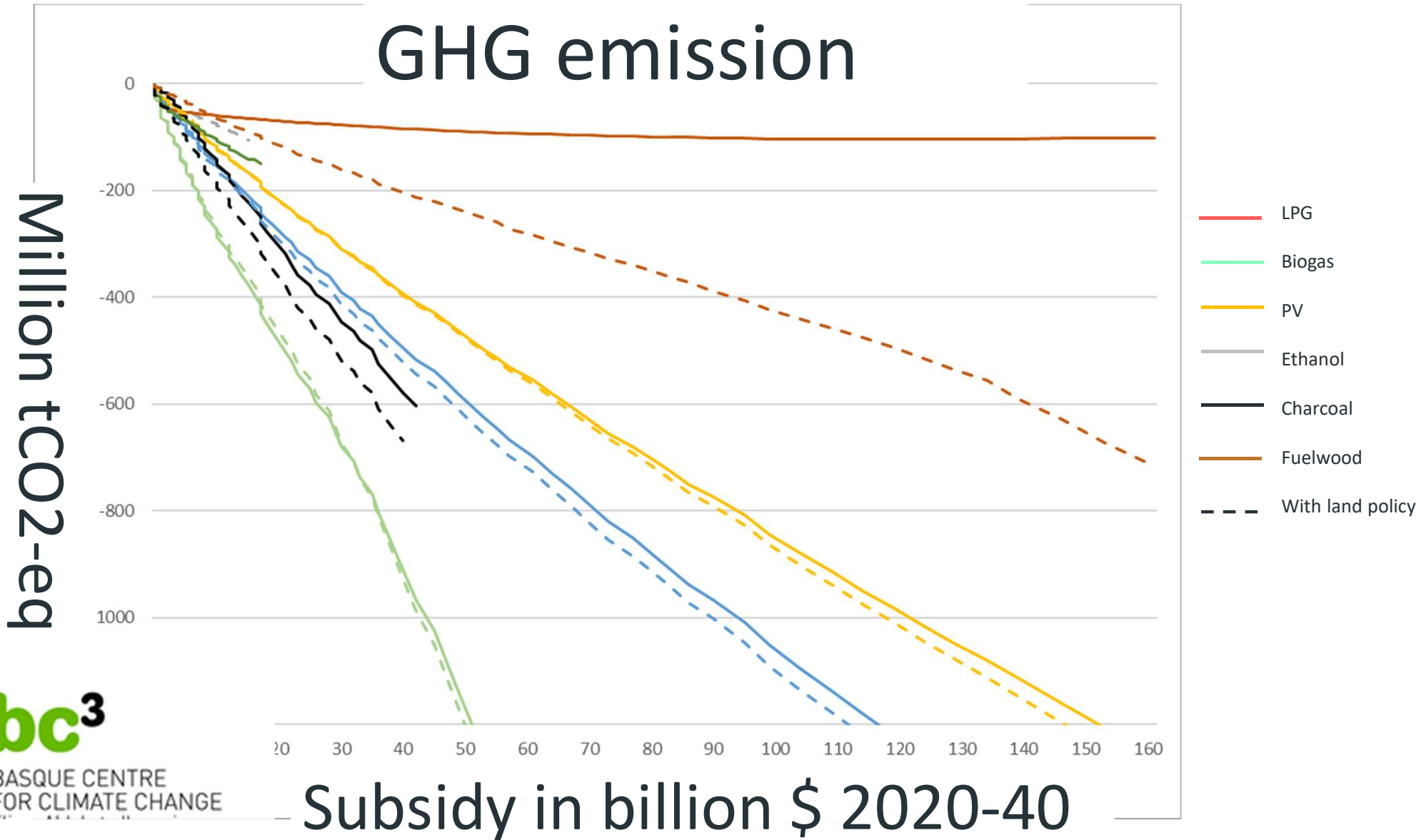
biogas-coffee



SYNERGY
 $1+1=3$



GHG emission



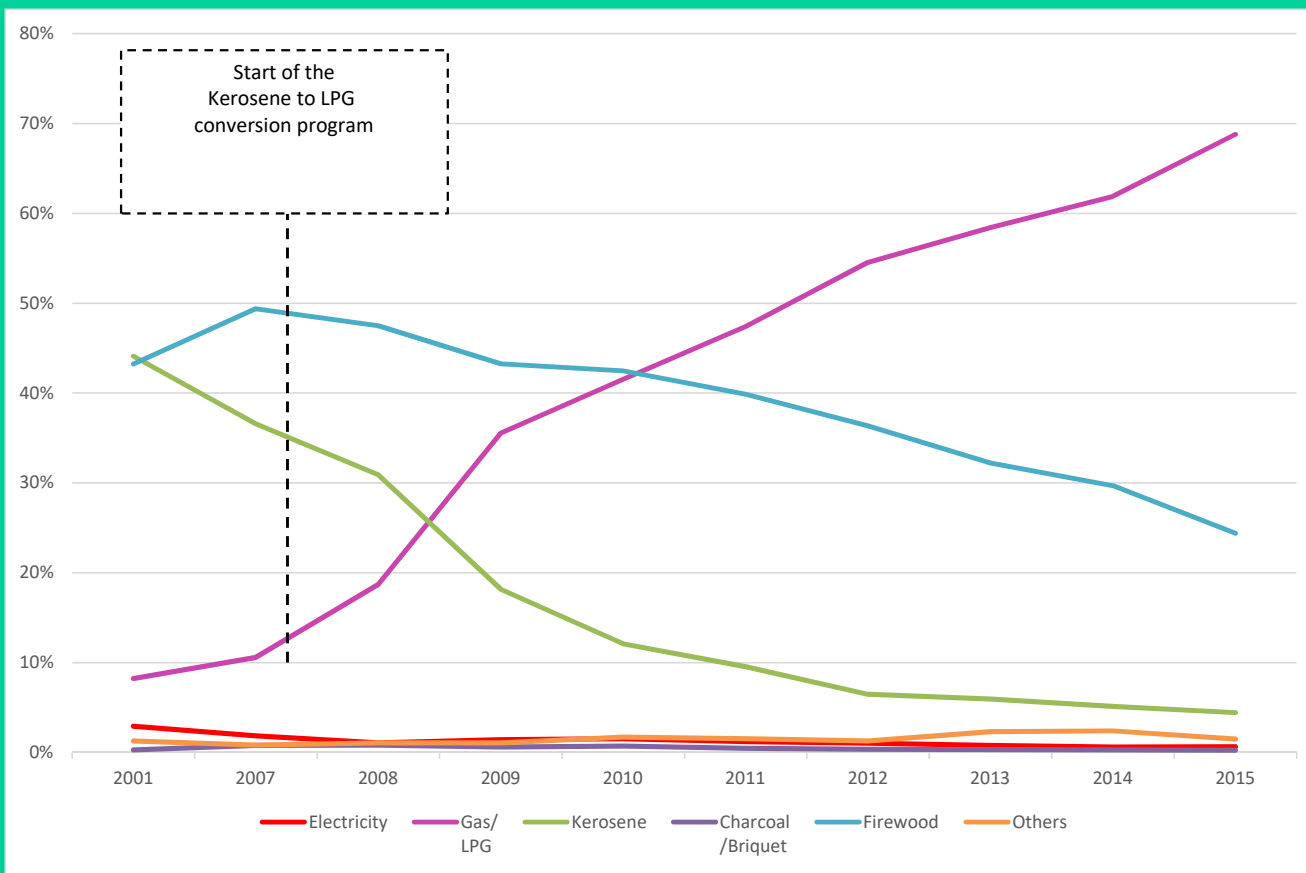
bc³

BASQUE CENTRE
FOR CLIMATE CHANGE



Stakeholder
engagements with
climate field school
Biogas digester

National Trend in Household Cooking Fuel, 2001, 2007-2015

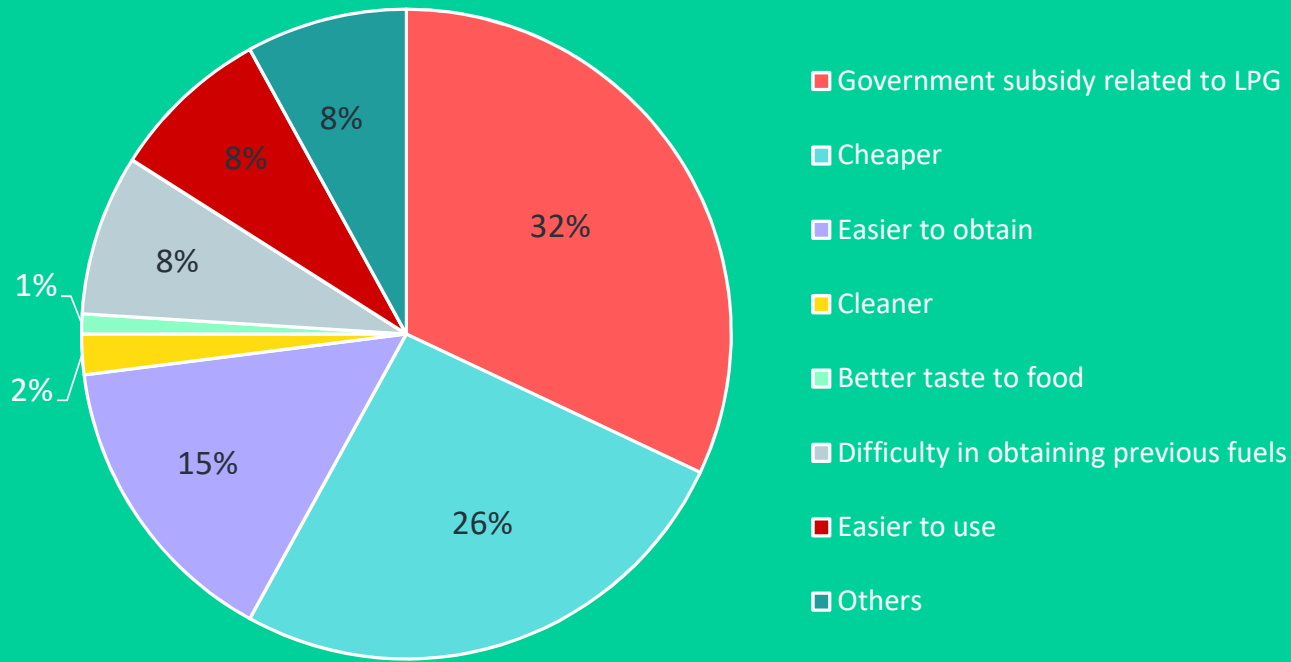


Electric stoves usage is decreased from 3% to 0.64% despite the increasing electrification ratio.

Accessibility is not the main factor in the transition.

More factors should be considered on analyzing energy transition.

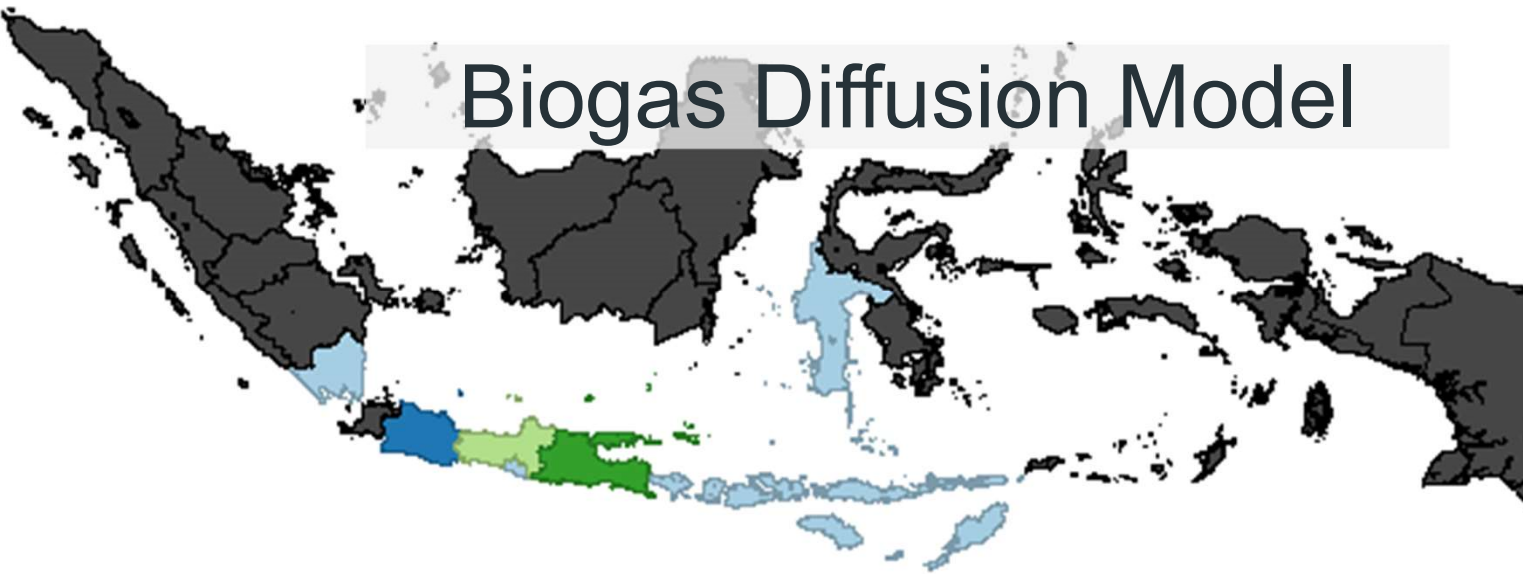
Drivers of Household Fuel Choice



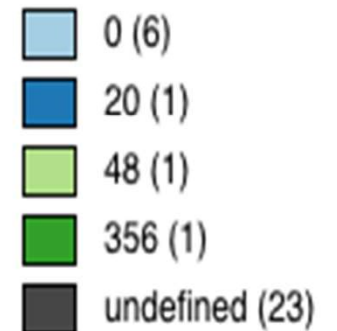
It is indicated that the reasons for switching fuel source are mostly related to cost.

Some are looking for a cheaper fuel and the rest are taking advantage of the government subsidy program.

Biogas Diffusion Model



Unique Values: year2009



Unique Values: year2016

