

Projeto



# ENERGY BIG PUSH



Centro de Gestão e Estudos Estratégicos  
*Ciência, Tecnologia e Inovação*



CEPAL



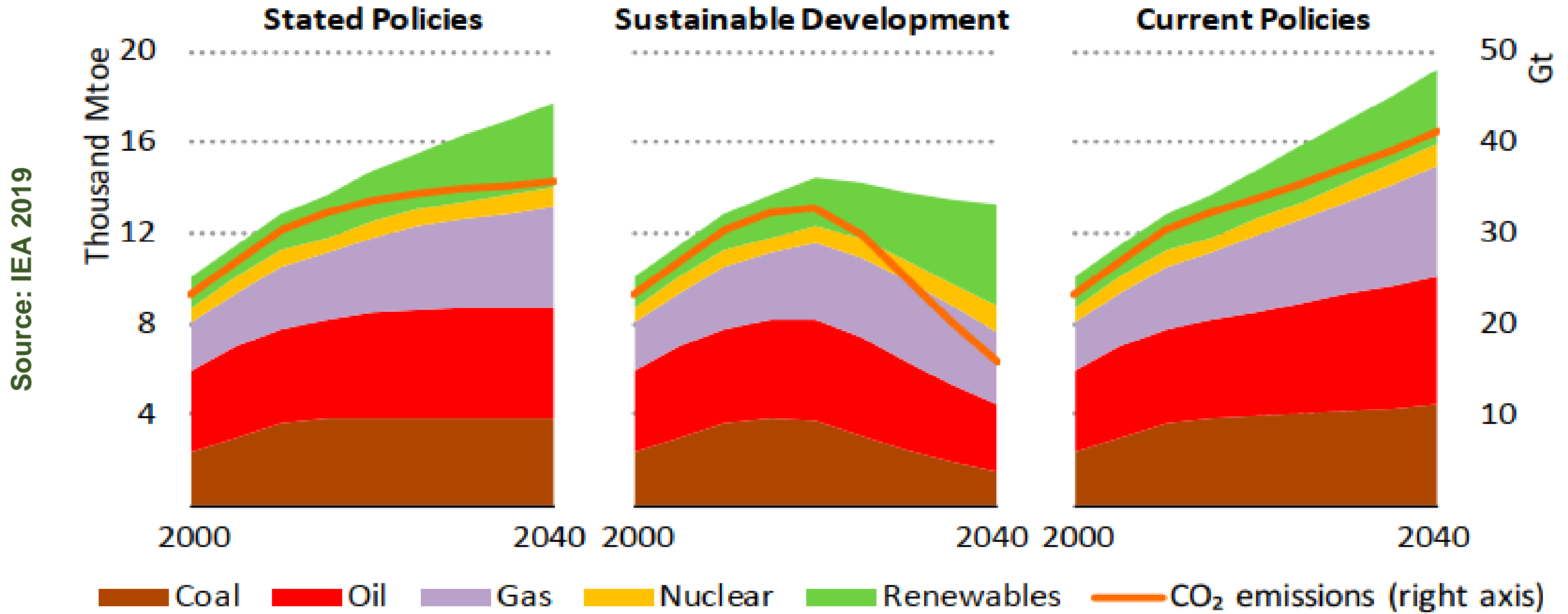
lea





# Global energy context & background

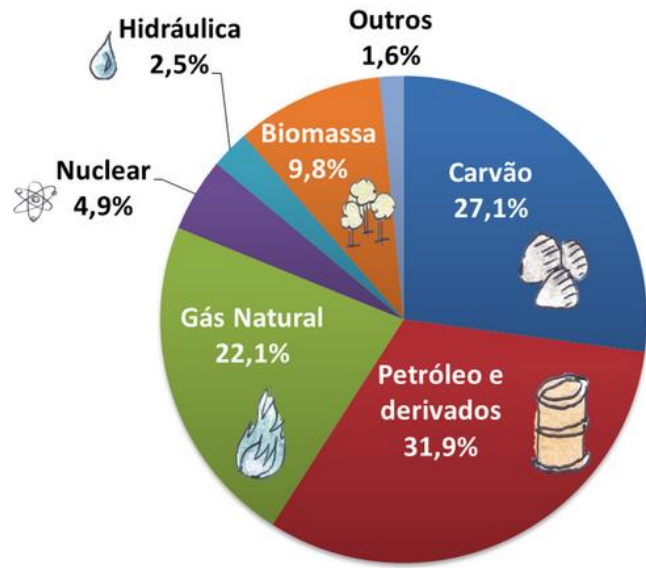
## World primary energy demand by fuel and related CO<sub>2</sub> emissions by scenario



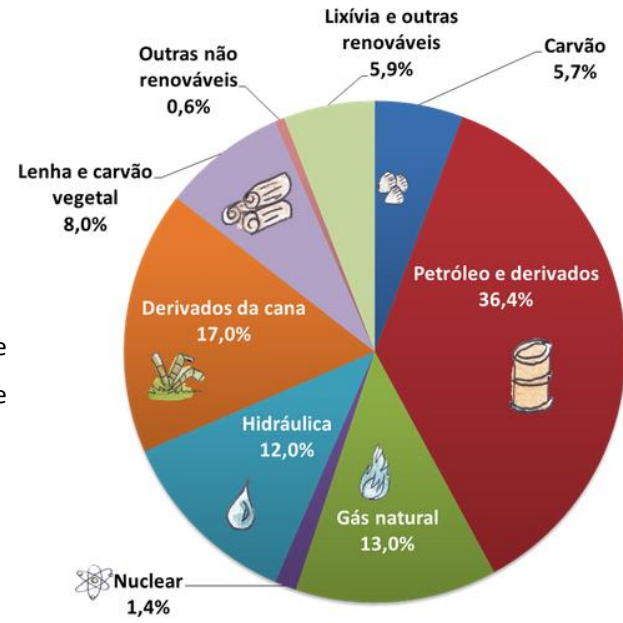
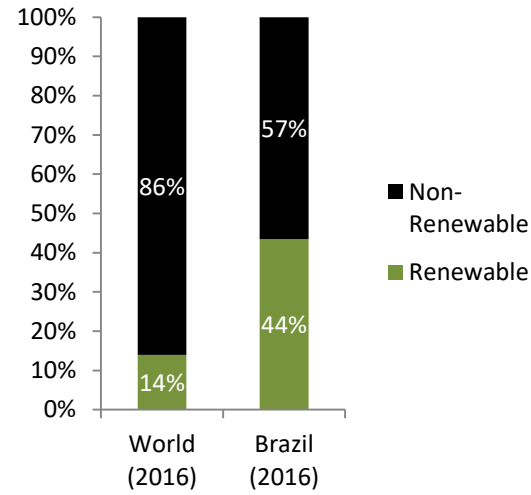


# World 2016

Source IEA, 2018

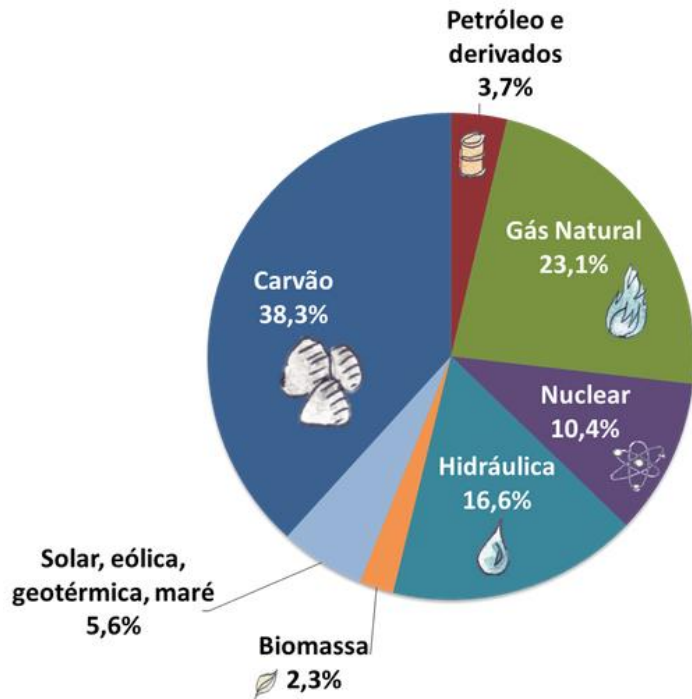


# Energy mix

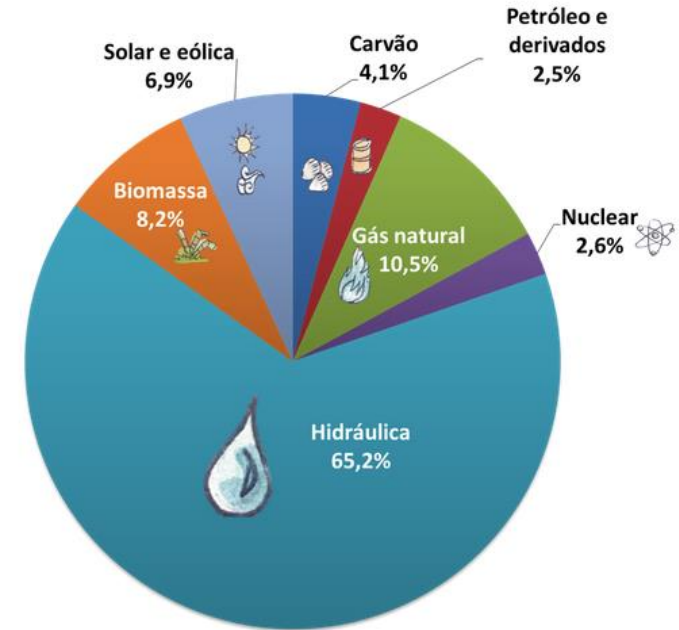
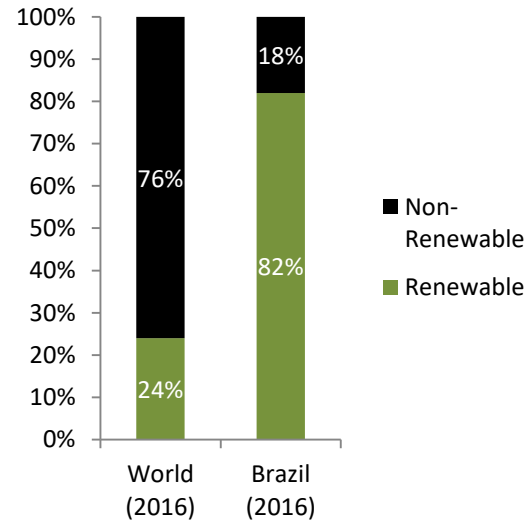


# Brazil 2017

Source EPE, 2018

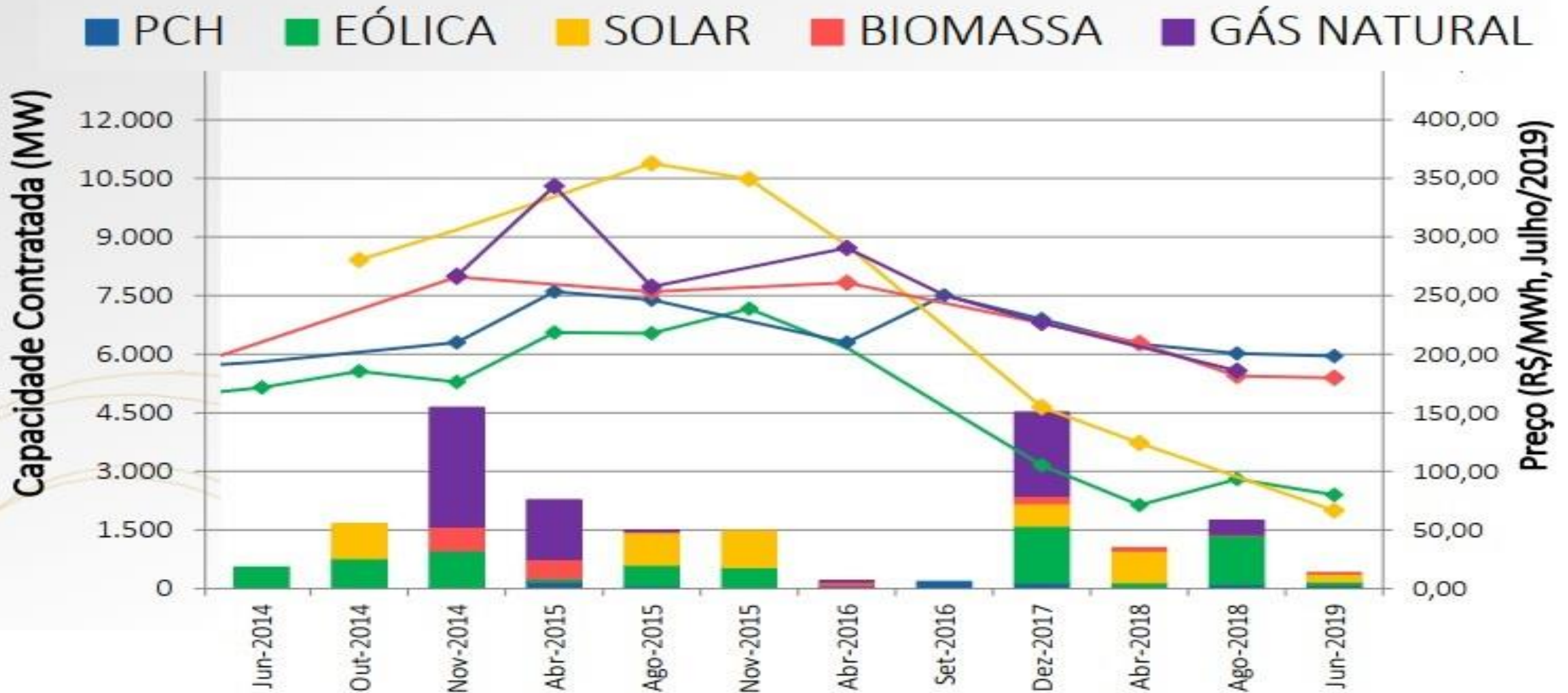


# Power mix





# Brazilian power capacity and prices





# EBP project context & background



**Positive Agenda  
CC & SD**



**Mission Innovation  
clean energy**



**Big Push for  
Sustainability**

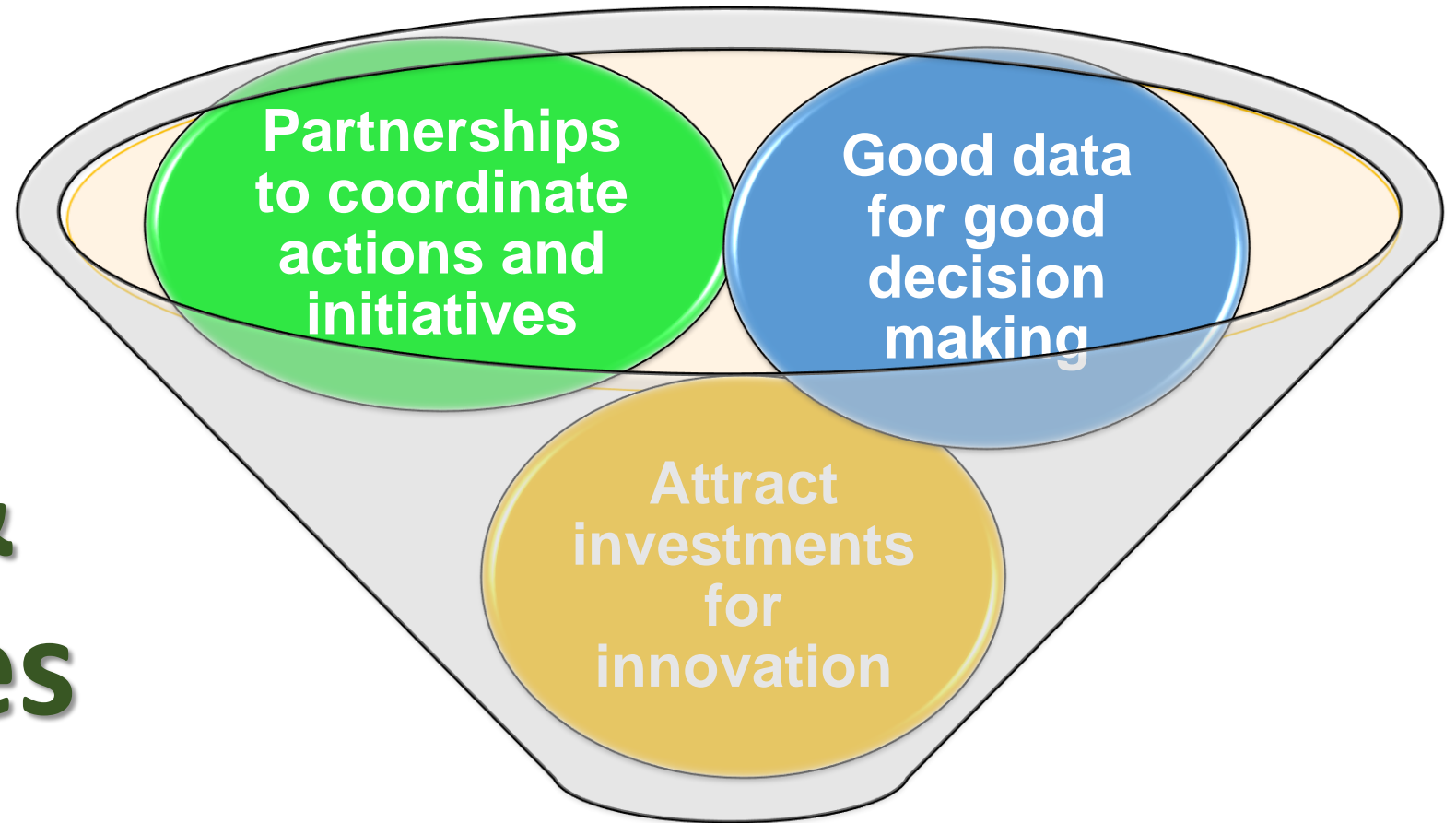


**Clean Energy  
Transitions  
Program**





# Challenges & Opportunities

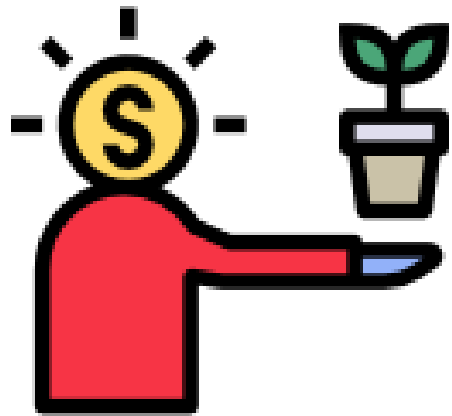


**Energy Big Push**





# Goal



**More** and **better**  
**investments** in sustainable  
energy (SE), with emphasis on  
**innovation**, contributing to an  
Energy Big Push in Brazil.





# Partners

MINISTÉRIO DE  
MINAS E ENERGIA

MINISTÉRIO DA  
CIÊNCIA, TECNOLOGIA,  
INOVAÇÕES E COMUNICAÇÕES

  
MINISTÉRIO DAS  
RELAÇÕES EXTERIORES







# Expected outcomes



**Improve RD&D data transparency and management**



**Develop efficiency and effectiveness of public investments in RD&D**



**Progress legal and regulatory framework**



**Intensify business and investors engagement**





Energy  
Big Push

# How



**WG 1**

RD&D

investments

data tracking



**WG 2**

Performance

indicators for

sustainable solutions



**WG 3**

Incentive

mechanisms for

innovation



**WG 4**

Communication

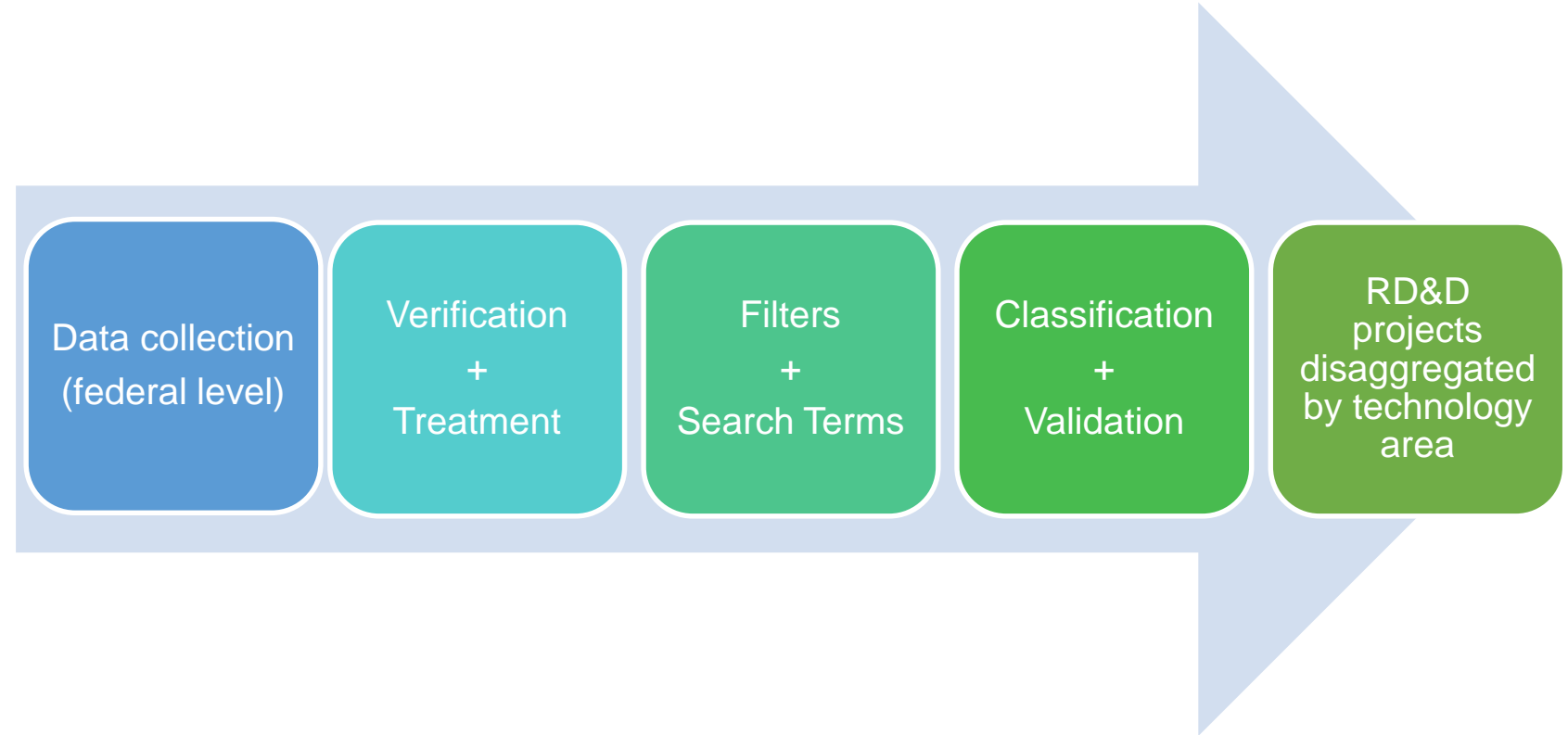
strategy





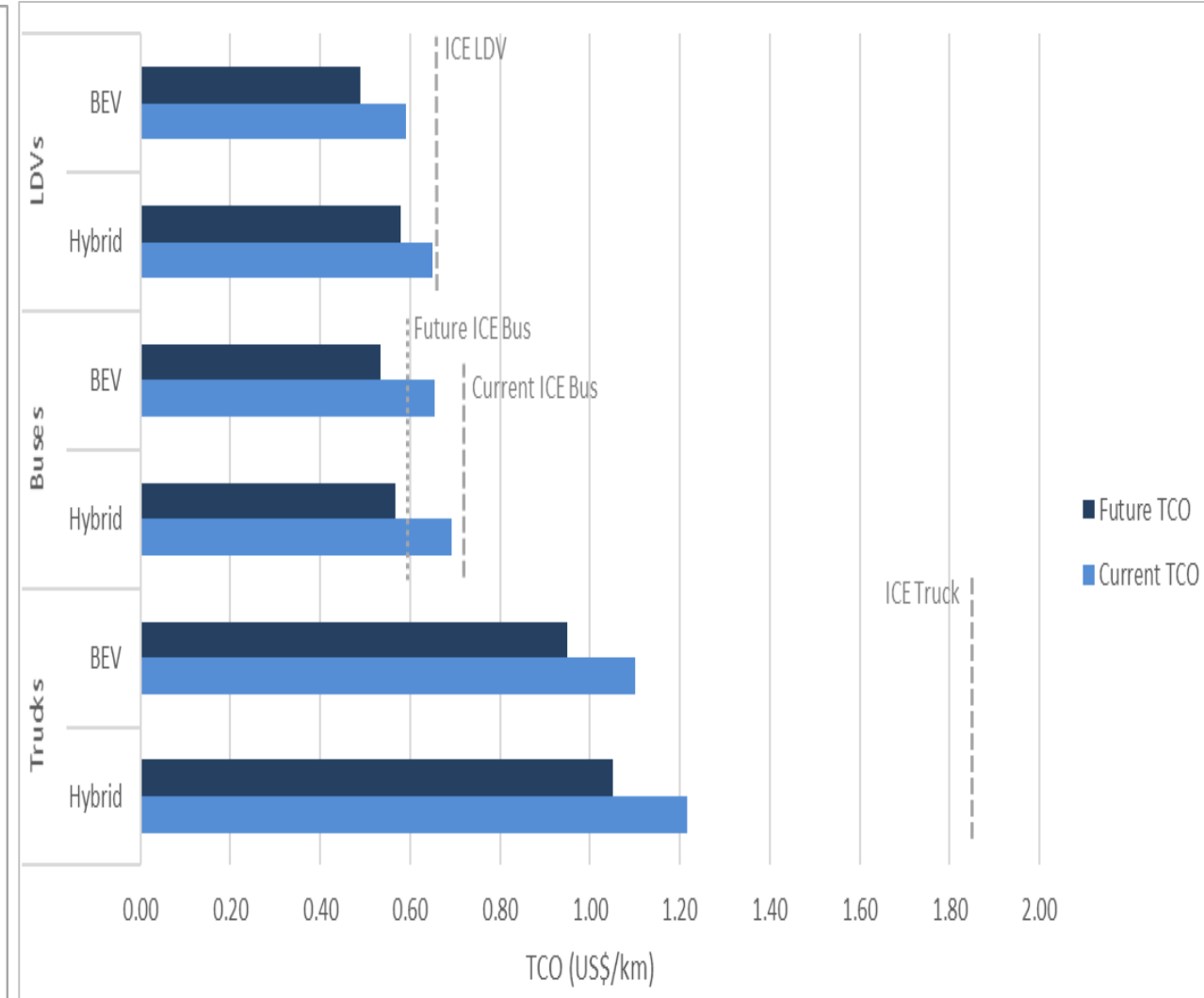
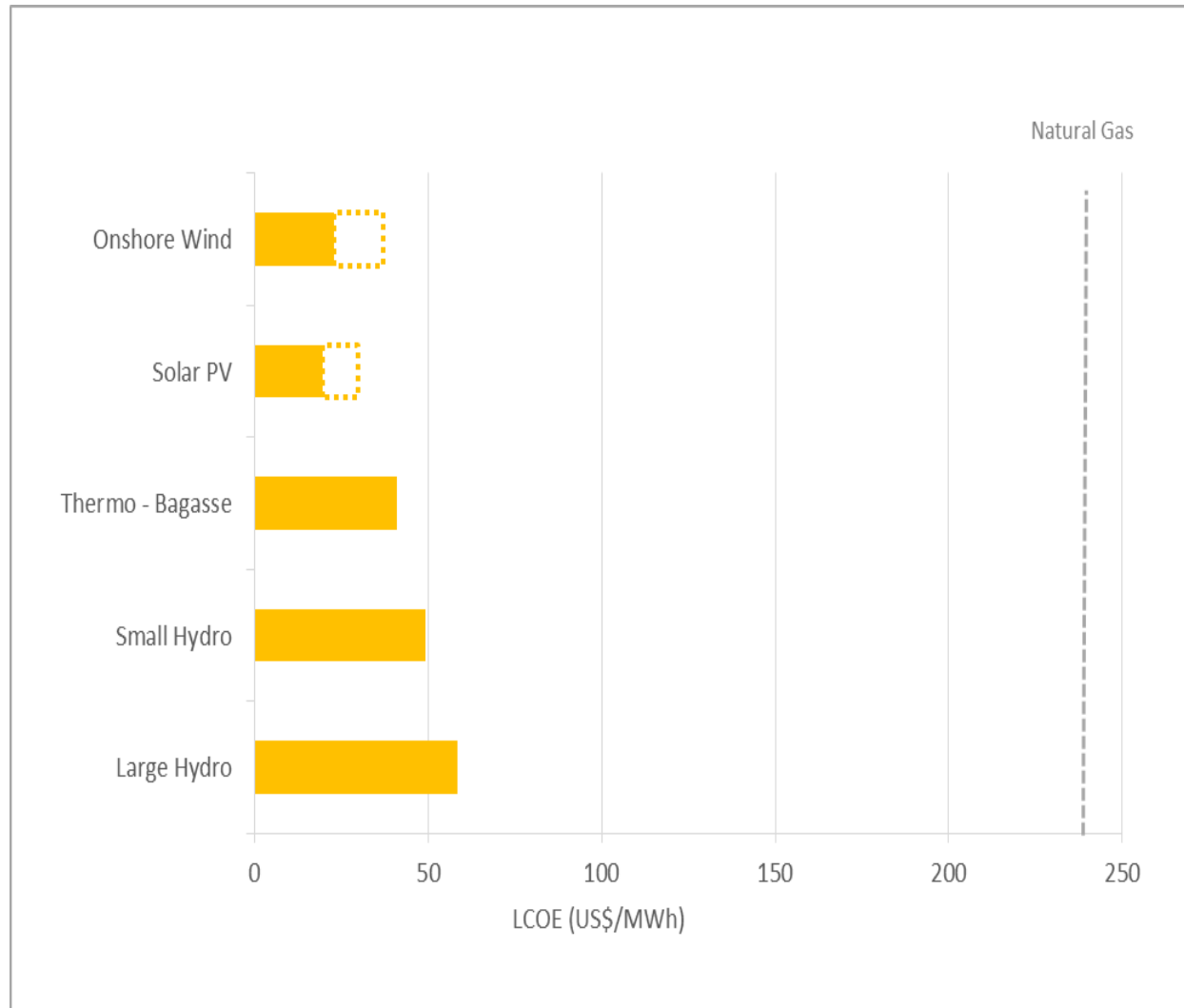
# WG 1 - Results and lessons learned

FNDCT	
FINEP	
ANEEL	
ANP	
BNDES	
PETROBRAS	
CNEN	





# WG 2 - Results and lessons learned - WG 2

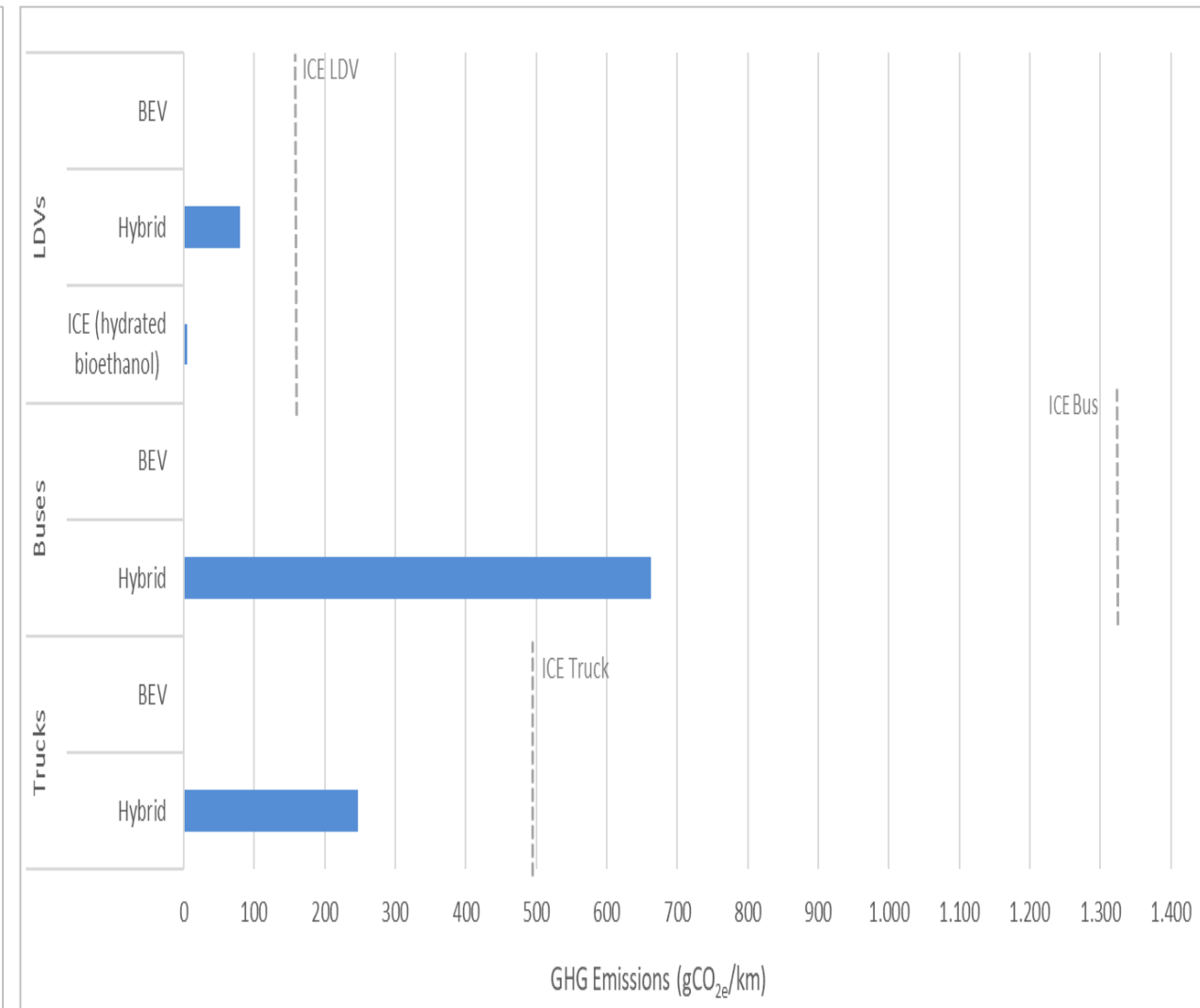
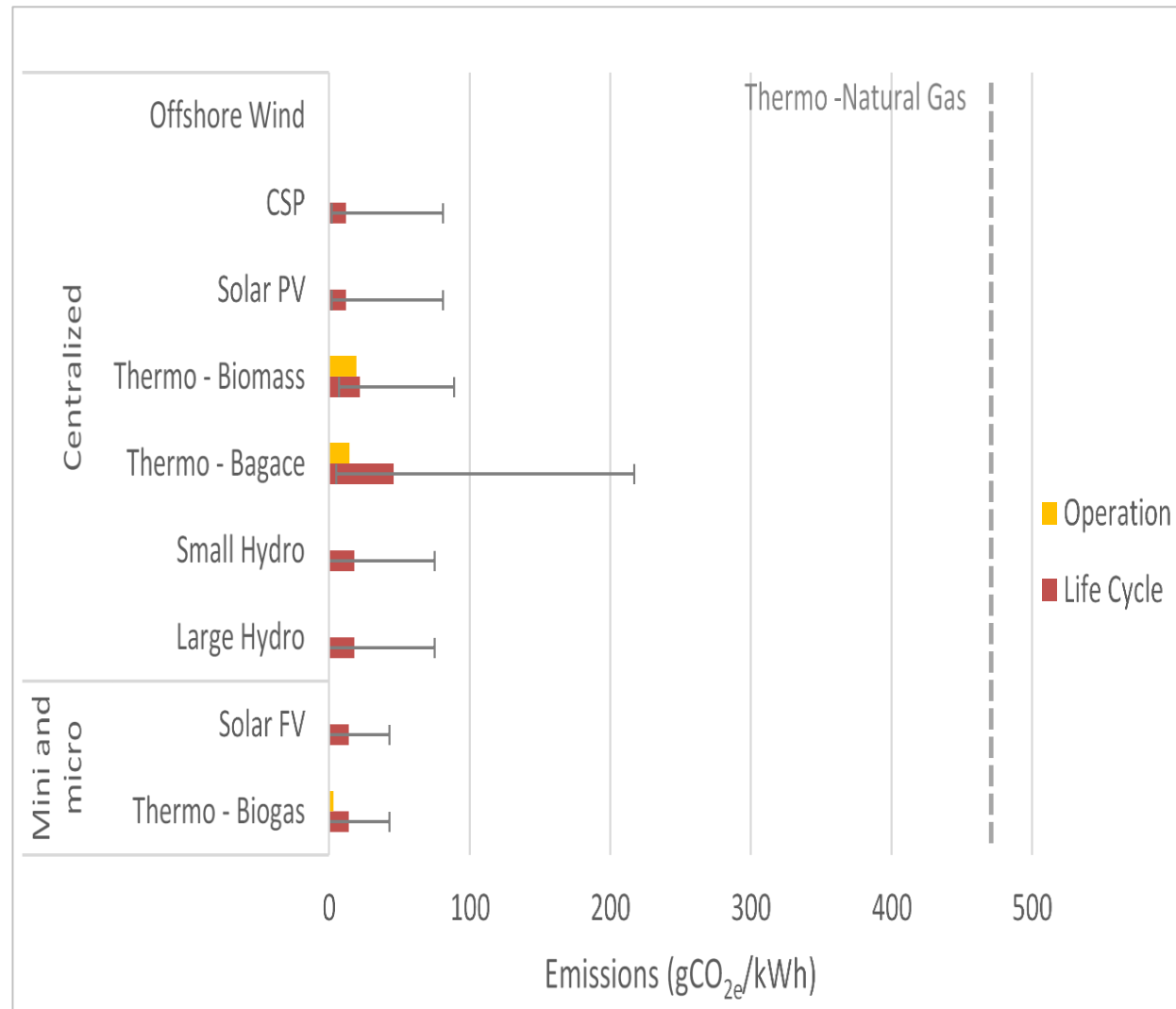


Source: own elaboration





# WG 2 - Results and lessons learned



Source: own elaboration



# WG 3 - Results and lessons learned

Source: own elaboration

Incentive mechanisms available	Basic and applied research	Development	Demonstration	Commercialization
Research support (CNPq, FAPs)				
Cooperative projects (Embrappii, Conect Finep, Funtec BNDES, FAPs)				
Tax incentives ("Lei do Bem")				
Subvention Finep				
Preferential Loans BNDES and Finep				
Variable Income Investment				
R&D clauses (ANEEL and ANP)				



# WG 4 - Results and lessons learned





**Want to know more and collaborate with us?**

**Get in touch!**

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