

# The Energy Transition in Mexico: Fundament for social inclusion and prosperity

Side Event & Expert Workshop



8<sup>th</sup> April 2019, 2:00 pm – 5:30 pm AGORA ENERGIEWENDE | ANNA-LOUISA-KARSCH-STRAßE 2 | 10178 BERLIN





### **Agenda**

Time	Agenda
2:30 - 2:50	Mexico in a nutshell
	Cecilia Reyes Retana, Latin America Team, Agora Energiewende
Part I: Analysis of Mexico's Status Quo in Terms of Fiscal Context and Energy Policy	
2:50 - 3:10	Fundament I: Evolution, Status and Challenges of Mexico's Fiscal Situation:
	Alejandro Limón Portillo, Researcher at Centro de Investigación Económica y Presupuestaria (CIEP)
3:10 - 3:30	Fundament II: Oil & Gas in Mexico: Challenges & Opportunities
	Mariza Montes de Oca León, Researcher and PhD candidate DIW
3:30 - 3:50	Fundament III: Status and Outlook of the Power Sector
	Juan Rosellón, Professor-Researcher División de Economía -CIDE
3:50 - 4:10	Discussion and Indicative Conclusions on the Status Quo

Time	Agenda
4:10 - 4:30	Coffee Break
Part II: Fundaments and Assumptions for a Socially Equitable Energy Transition	
4:30 - 4:50	Renewable Energy and Electrification: A New Development Plan for Mexico
	Daniel Chacón, Energy Director at Iniciativa Climática de México
4:50 - 5:10	Trends & assumptions for a socially equitable energy transition in Mexico
	Philipp Hauser, Senior Associate, Agora Energiewende
5:10 - 5:30	Discussion and Closing Remarks
5:30 - 6:00	Networking Coffee











#### Agora Energiewende – Who are we?



Agora is an independent Think Tank with more than 30 experts with diverse profile & expertise

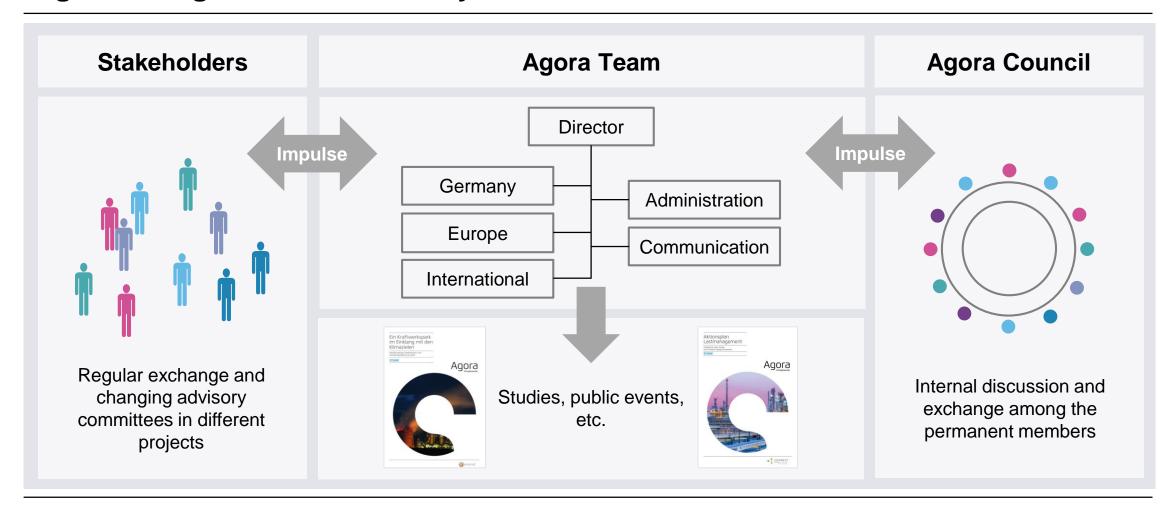
Agora is financed by the Mercator Foundation & the ECF with a budget for 2012 – 2021

Mission: Ensure a successful energy transition in Germany & support our international partners

Method: Engage with stakeholders to define problems and use our expertise to develop solutions

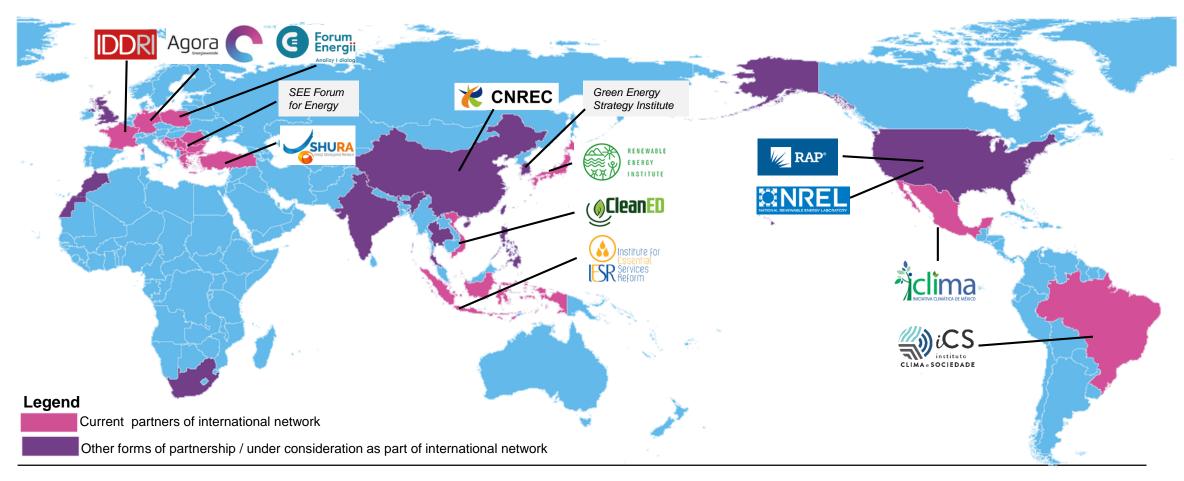


#### Agora Energiewende – The way we work



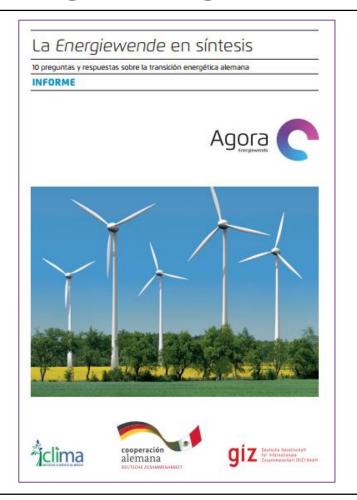


### Agora Energiewende – Our International Network





### More information and relevant studies available at our website www.agora-energiewende.org









### Mexico in a nutshell

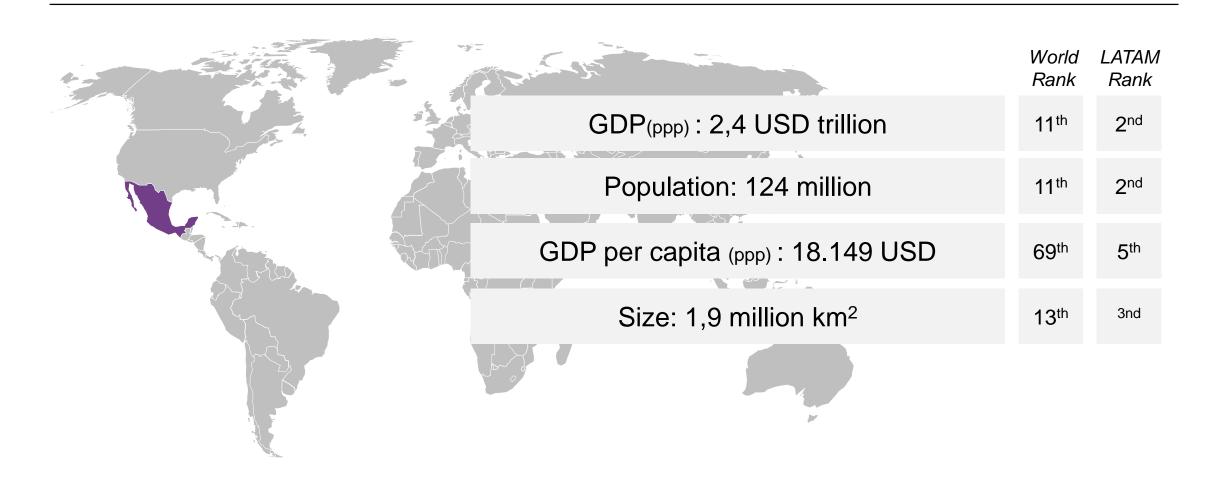
Country Profile

Cecilia Reyes Retana BERLIN, 08/04/2019





#### Mexico in a nutshell



### Some quick demographic and geographic facts















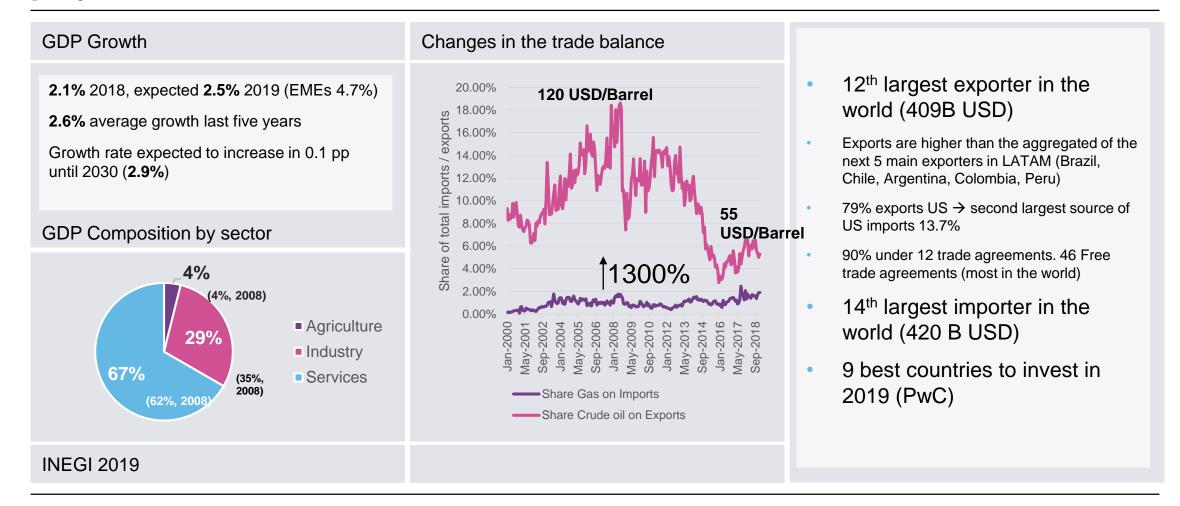








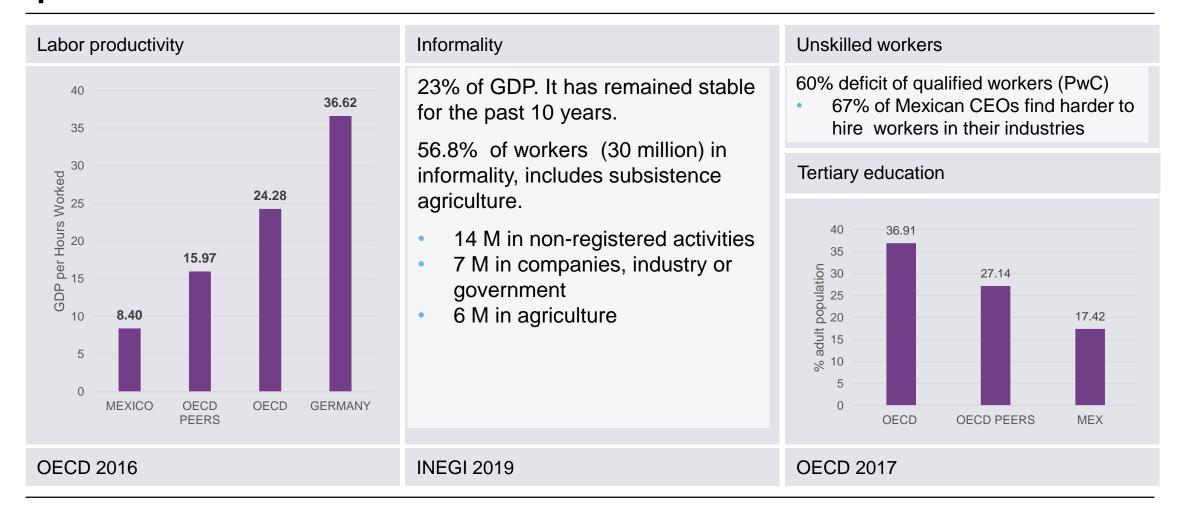
### Mexico is expected to keep growing and it is a relevant player in the international markets



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## Mexico's growth is constrained by low labor productivity, high informal sector and workers low level of qualification

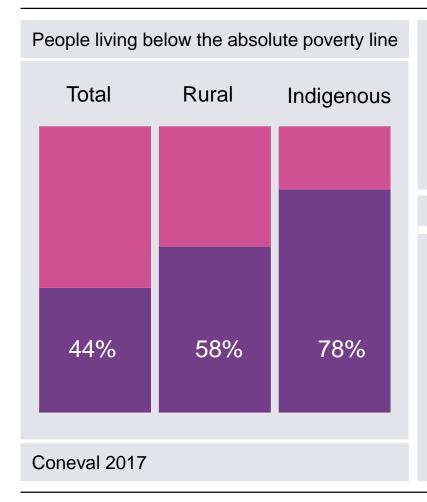




INEGI (2019), PwC (2019)



### Mexico's growth is not distributed amongst its population, it is very unequal and poverty rates are very high



- → GINI index
  - Mexico 0.51 → 0.49 after taxes and transfers (Highest in OECD)
  - OECD  $0.47 \rightarrow 0.29$  after taxes and transfers
- Top 20% earn 10.4 times more than bottom 20% (Highest in OECD, avg 5.4)

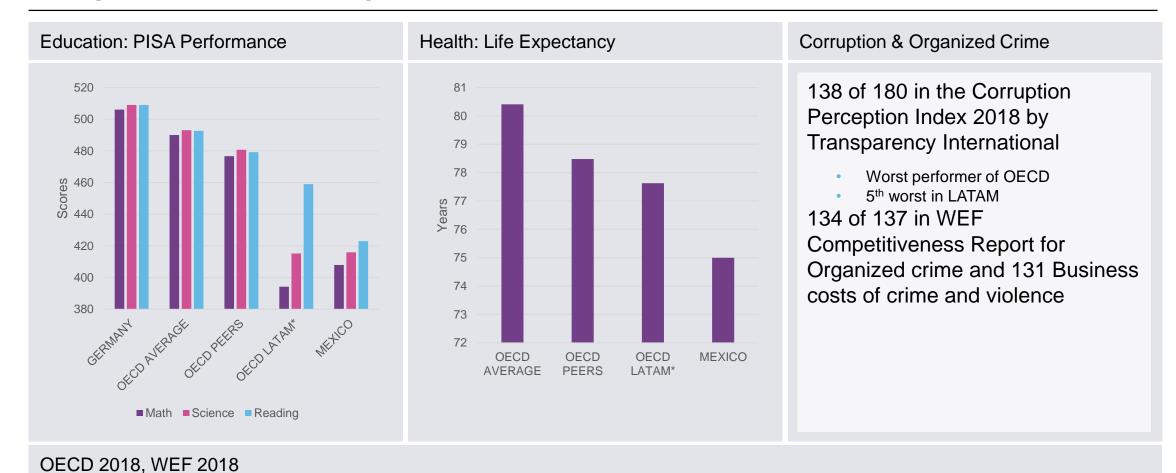
#### People living below the poverty line by state



OECD (2014) 12

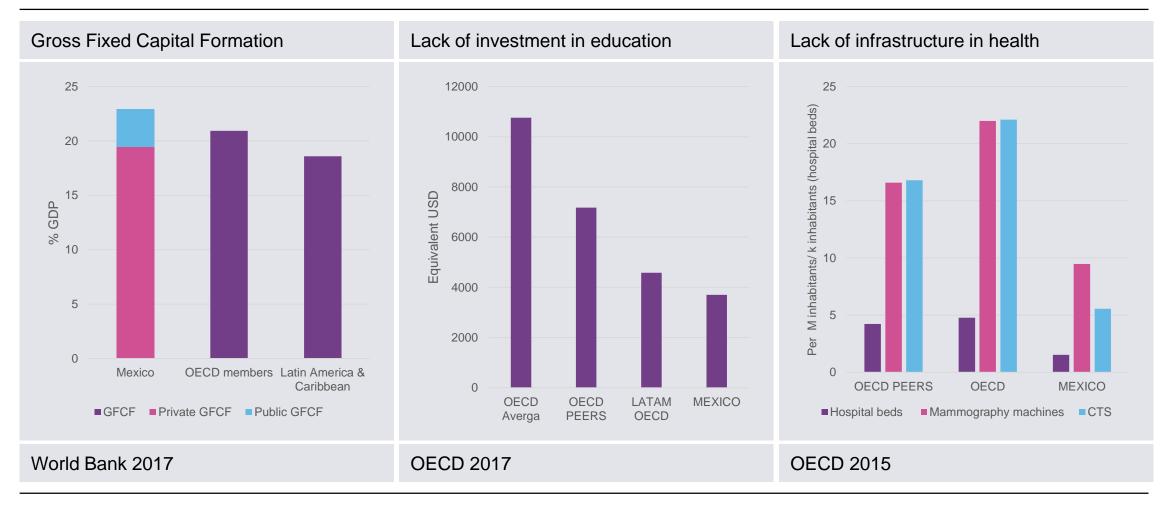


### Mexico underperforms in multiple social indicators, even compared with OECD peers or LATAM countries





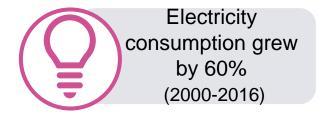
### Investment in Mexico is high, but there is a gap in social investment



### Some quick facts about the energy trends in Mexico



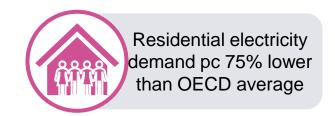








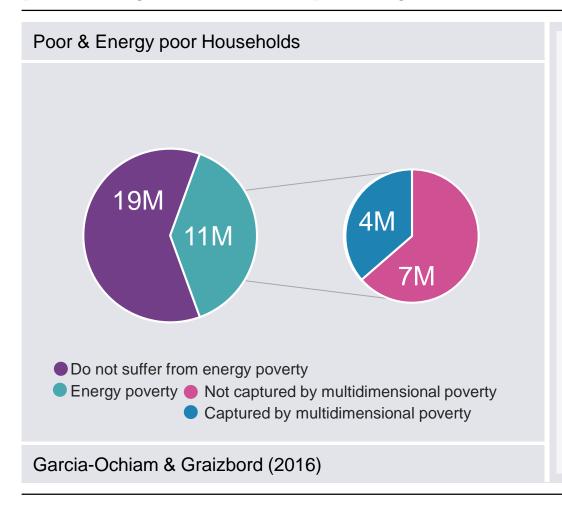








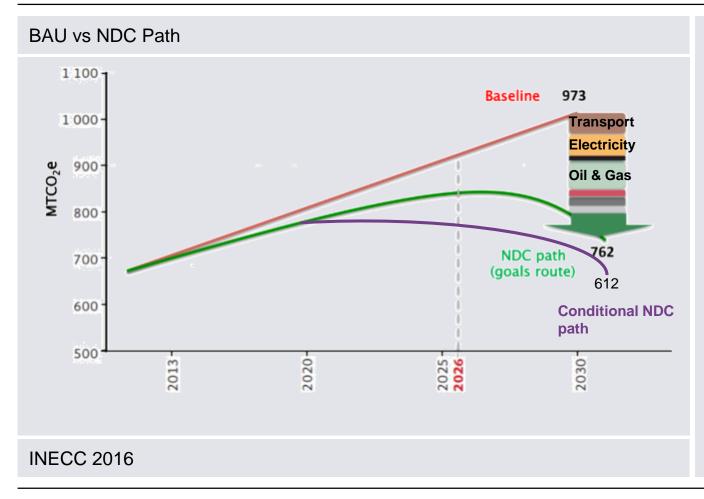




- → 98.7% electricity coverage
  - 240,000 inhabitants live in regions without electric access
  - However, 320,000 households do not have electricity
- Energy poverty is not considered as part of the multidimensional poverty measure by CONAPO
  - Relative deprivation: lightning, refrigeration, thermal comfort, entertainment, water heating & cooking







- Under the Paris Agreement, Mexico committed to reduce by 2030 its GHG emissions in 22% and the carbon intensity of the GDP in 40%
- In the energy sector, Mexico aims to achieve 35% clean energy, which includes nuclear and cogeneration by 2024, and 43% by 2030, reducing 30% of GHG emissions from the power sector
- → If we consider conditional commitments, an extra emission reductions of 14% than in the unconditional pledges. Conditional commitments depend on international cooperation with technological transfers, access to carbon finance and international carbon markets.

### Another key aspect of the Mexican Energy Sector was the long-awaited 2013 Energy Reform



→ 2013 Constitutional reform that allowed for the first time in 75 years private and foreign investment throughout the value chain of the Energy Sector

#### 2013 Reform: Oil & Gas

- → Pemex "Productive State Company" (EPE),
- Pemex allowed to sign licenses, shared production contracts, profit-sharing contracts and service contracts
- → Bidding rounds for upstream
- → Oil Stabilization Fund → increase transparency and fiscal discipline

#### 2013 Reform: Power sector

- Private participation in all the value chain
- Generation became a competitive activity
- CFE as EPE and separated vertically and horizontally to avoid monopolistic behavior.
- The system operation was transferred from CFE to CENACE

→ Strong regulatory bodies & system operators: CRE, CNH, ASEA, CENAGAS, CENACE

Wilson Center, 2018



### New political environment

- → December 2018 New government under Andrés Manuel López Obrador
- → Leftist platform
- → Won with 52% of votes. Highest since Mexico has real electoral competition
- → MORENA, AMLO's party, has a simple majority in both houses of congress
- → 100 days of government rate of approval 80%
- → Objectives: Social equality, prosperity and fighting corruption
- → Promote a new economic model based on welfare, productivity, Strong Internal Market, Fair Wages, Strong SMEs, International Competitiveness and the state as a guide of investment
- → Criticizes the 2013 Energy Reform arguing that it has reduced the role and capacity of the state monopolies PEMEX and CFE, endangering energy sovereignty & that the benefits have not reached most of the population



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# Thank you for your time!

Questions or Comments? Feel free to contact me: cecilia.reyesretana@agora-energiewende.de

Agora Energiewende is a joint initiative of the Mercator Foundation and the European Climate Foundation.

