

---

# Annual Report 2019/2020

---

*German-Mexican Energy Partnership*



---

# Imprint

---

## **Publisher**

German-Mexican Energy Partnership  
c/o Deutsche Gesellschaft für Internationale Zusammenarbeit  
(GIZ) GmbH

## **Authors**

Secretariat of the German-Mexican Energy Partnership

## **Design and production**

Sk3 Estudio Creativo

## **Status**

March 2020

## **Photography and Illustration**

German-Mexican Energy Partnership (p.1) / BMWi (p.2) /  
German-Mexican Energy Partnership (p.4) / BMWi (p.5) /  
German-Mexican Energy Partnership (p.5) / German-Mexican  
Energy Partnership (p.6) / BMWi (p.9) / German-Mexican Energy  
Partnership (p.12-14) / German-Brazilian Energy Partnership  
(p.15) / BMWi (p.16) / SENER (p.17)

All rights reserved. Any use is subject to consent by the  
Secretariat of the German-Mexican Energy Partnership (EP).

All content has been prepared with the greatest possible care  
and is provided in good faith, taking into account official  
sources and public information. The assumptions, views and  
opinions expressed in this publication do not necessarily  
reflect the official policy or position of the EP, the Federal  
Ministry for Economic Affairs and Energy of Germany (BMWi)  
and the Ministry of Energy of Mexico (SENER).

## Executive summary

The German–Mexican Energy Partnership has reinforced its role as a dialogue and exchange platform between both countries, on energy related topics. During 2019–2020, collaboration with experts from Germany and Mexico was enhanced, focusing on decentralization and digitalization of the energy sector as key aspects to foster a just and regulated energy transition.

In 2019, several activities were successfully implemented, including international delegations, studies, events, and publications. Through these, the EP fostered dialogue among representatives of the public and private sectors, as well as academia and the civil society.

While enhancing dialogue and information exchange between sectors and experts from Germany and Mexico, the EP has established, in addition to its previous relations, new ties with public sector institutions from the subnational and international level.







## Key facts and figures

5

Focus topics



3

Briefings



3

Workshops



5

Publications



2

Events



Between March 2019 and March 2020

3

Delegations



+3500

Twitter  
Followers



+400

Tweets



+6000

Visits on  
Website









---

# The German – Mexican Energy Partnership

---

## How it all began

On April 12th, 2016, with the signing of the “Joint Declaration of Intent on the Energy Partnership between the Government of the United Mexican States and the Government of the Federal Republic of Germany”, the EP was established.

## What is the EP?

The EP is a platform supporting political and strategic exchange of information and best practices between competent authorities, regulatory bodies, energy system operators and other relevant actors involved in the energy industry.

The main aim of this partnership is to promote the far reaching and profound energy transitions that are ongoing in both countries by exchanging knowledge on the development of a sustainable energy system, which is characterized by more efficient use of energy and enhanced use of renewable energy.

## High-level Steering Group

The overall steering of the EP is done via the High-level Steering Group (HLSG). This group is composed of high-level representatives of both governments and led by the German Federal Ministry for Economic Affairs and Energy (BMWi) and the Mexican Ministry of Energy (SENER). The HLSG sets the priorities and defines the thematic focus of the EP.

## B2G Energy Council

To further enhance the collaboration between the German and Mexican energy ministries and the energy industries of both countries, BMWi and SENER have agreed upon guidelines to form a German-Mexican Business-to-Government (B2G) Energy Council.

## Secretariat

The EP is supported by a Secretariat with contact persons in both Mexico City and Berlin.

The role of the Secretariat is to support both BMWi and SENER in advancing its agreed priorities. The Secretariat ensures the implementation of related activities and serves as a point of contact for key actors.



**Marco Hüls**  
Coordinator  
Mexico City



**Farhanja Wahabzada**  
Advisor  
Berlin



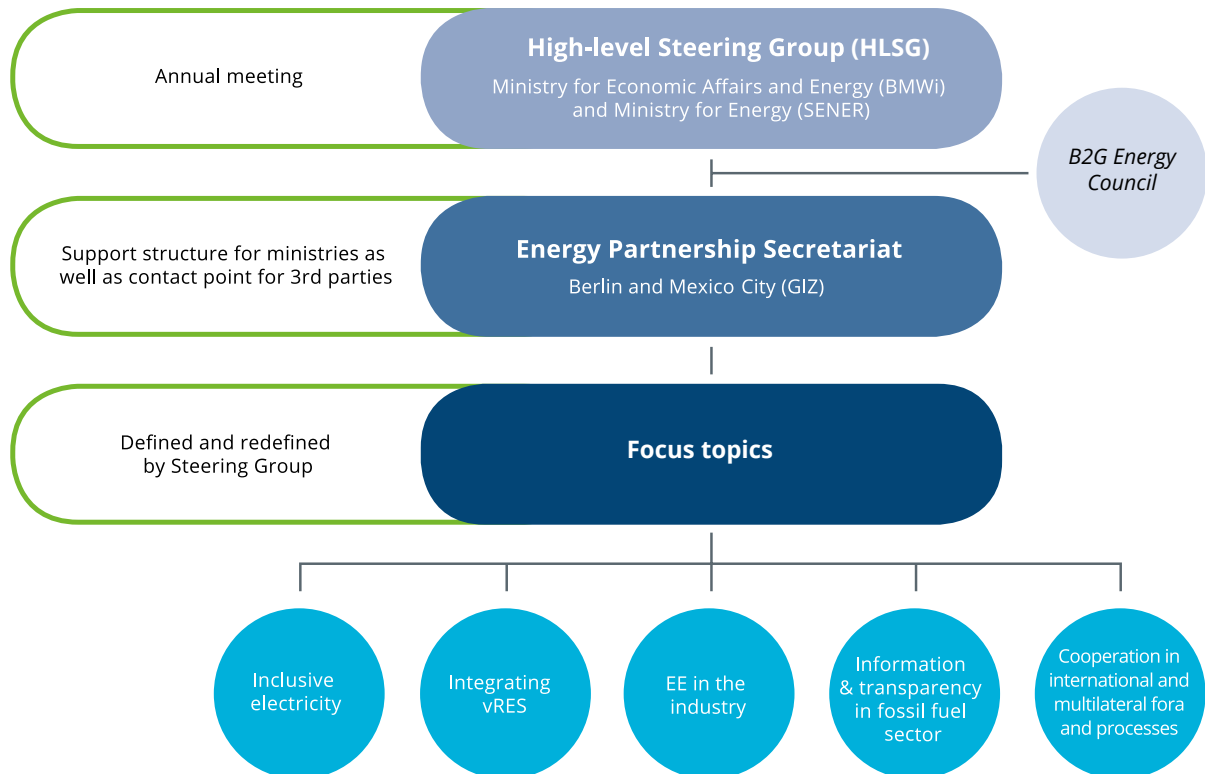
**William Jensen Díaz**  
Advisor  
Mexico City



**Francisco Contreras del Valle**  
Advisor  
Mexico City



# Structure



---

## Thematic focus

---

### Inclusive electricity

Both Germany and Mexico are transforming their electricity sectors, incorporating newly designed energy market schemes, new or transformed institutional settings as well as new support mechanisms for renewable energy.

Like other countries around the globe, Germany and Mexico search for and implement cost-effective instruments to promote renewable energy, while maximising benefits for the society. Furthermore, the institutional strengthening is a key element to guarantee the operation of the power sector.

### Integrating vRES

Variable renewable energy sources (vRES) are increasing their participation in the energy mix. For this reason, integrating vRES into energy grids and systems is one of the main challenges for a country's energy transition.

Experience and knowledge exchange on applying innovative solutions to the energy sector, can help both countries to successfully face those challenges.

### Enhancing energy efficiency in the industry

The industrial sector plays a crucial role for economic growth. With an efficient use of energy, industries can increase the cost-effectiveness of their processes while contributing to the reduction of GHG emissions. Peer-to-peer planning and better policies of energy efficiency constitute key factors to implement a successful energy transition.

At the same time, both Germany and Mexico are confronted by the challenge of ensuring and amplifying the attractiveness of efficiency measures in and for the industry.

### Increasing information and transparency in the fossil fuel sector

Open information available for citizens and industry, especially regarding the fossil fuel sector, is a concern for both governments. Increasing economic efficiency in the use of public resources in that sector is also key.



## Cooperation in international and multilateral fora and processes

Germany and Mexico are both members of various international organisations and initiatives, such as: Group of Twenty (G20), International Renewable Energy Agency (IRENA), Clean Energy Ministerial (CEM), just to name a few.

Synergies and common efforts of both countries in those organisations should, where applicable, be supported and enhanced within the bilateral EP. Moreover, at quite a number of international occasions and events, both countries collaborate on energy matters.





# Timeline of Highlights 2019 / 2020

2019



**APRIL**

Delegation to the Berlin Energy Transition Dialogue (BETD) 2019



**JUNE**

Publication launch of the study "Blockchain meets Energy: Digital Solutions for a Decentralized and Decarbonized Sector"

Field trip with "Cocineros Solares" to Oaxaca, Mexico



**JULY**

Participation at IRENA Innovation Day 2019 in Montevideo, Uruguay.

Summer reception "Energy sector trends: innovation and digitalization"

2020



**NOVEMBER**

Conference on “Energy Sector Innovation: digitalization, finance and decentralization”

Support of the “Energy transitions in Latin America” IEA hosted event in Rio de Janeiro, Brazil

**SEPTEMBER**

Participation at the “Digitalization and Solar Energy” Conference



**OCTOBER**

Contribution to Industrial Transformation Mexico 2019



## Highlights 2019 / 2020



### 2019

#### April:

##### **Delegation to the Berlin Energy Transition Dialogue (BETD) 2019**

The Secretariat of the EP along with the co-founder of the Mexican startup “GlobalGrid”, participated in the Berlin Energy Transition Dialogue (BETD) 2019 and other concurrent events.

#### June:

##### **Publication launch of the study “Blockchain meets Energy: Digital Solutions for a Decentralized and Decarbonized Sector”**

The EP in close collaboration with the Florence School of Regulation (FSR), launched the publication “Blockchain meets Energy: Digital Solutions for a Decentralized and Decarbonized Sector”. Said publication aims to share the most relevant aspects of digital technologies, particularly Blockchain, and its potential uses cases in the power sector.



## Field trip with “Cocineros Solares” to Oaxaca, Mexico

From June 4th to the 6th, the Secretariat of the EP visited some municipalities of the state of Oaxaca to exchange points of view with users of solar-energy driven technologies. The visit was facilitated by Lorena Harp Iturribarria, from “Cocineros Solares”, a project supported by Solar Household Energy INC.

## July

### Participation at IRENA Innovation Day 2019 in Montevideo, Uruguay

Over 200 participants from Latin American countries and around the world met during the first IRENA Innovation Day in Montevideo, Uruguay, on July 16th till the 17th. The Secretariat of the EP was invited

to collaborate in a panel on “Solutions for engaged consumers”. Experts explored digitalization enabled business models for managing energy demand and providing flexibility – for example through blockchain, artificial intelligence and IoT.

### Summer reception “Energy sector trends: innovation and digitalization”

On July 25th, the EP hosted the “Energy sector trends: innovation and digitalization” event. Over 100 representatives from the public and private sectors, as well as the civil society met in Downtown Hotel in Mexico City to exchange views and opinions on the future of the sector.



## September

### Participation at the “Digitalization and Solar Energy” Conference

Within the event “Digitalization and Solar in Mexico”, held on September 4th and organized by SolarPower Europe, the Mexican Association of Solar Energy (ASOLMEX) and the “Large Scale Solar Energy in Mexico” Program of the German–Mexican bilateral cooperation, the EP actively participated with the presentation “Blockchain: innovative solution for the 3Ds world”.

## October

### Contribution to Industrial Transformation Mexico 2019

On October 10th, during the Industrial Transformation Mexico Fair, the EP successfully hosted the

“Cybersecurity for critical infrastructure: Ensuring reliability–boosting the economy” experts’ panel and the “Cooperation between Start–Ups and Companies: innovation for Industry 4.0” workshop. Attendees from the industrial sector showed great interest in the EPs work.

## November

### Conference on “Energy Sector Innovation: digitalization, finance and decentralization”

On November 28th, the EP in close collaboration with the Bilateral GIZ Programs “Implementation of the Energy Transition in Mexico” and “Large Scale Solar Energy in Mexico”, the Mexican Banks Association and the Inter–American Development Bank hosted the conference “Energy Sector Innovation: digitalization, finance and decentralization”. With the participation of over 150 experts and representatives from different sectors, attendees exchanged views on the latest developments on energy sector digitalization, its impacts on the industry and the new energy generation technologies.





### **Support of the “Energy transitions in Latin America” IEA hosted event in Rio de Janeiro, Brazil.**

Event organized by the IEA in cooperation with the Germany–Brazil EP. With the support from the EP, high–level representatives from the Puebla Government and the National Solar Energy Association (ANES) actively participated in said event.



