PV in LATAM: Market status, opportunities and challenges
Dr. Rodrigo Lopes Sauaia
Main objectives:

• Promote the cooperation among existing solar PV associations in LATAM;
• Share best practices between LATAM markets and from other regions of the world;
• Promote high-potential emerging markets to international investors;
• Support the establishment of a solar PV association in countries of the region without one, under the conditions of: (i) existence of a minimum critical mass of companies operating in the respective country; (ii) the companies should be affiliated to the GSC or its association members from the region; and (iii) the Task Force needs to receive a formal request from the local companies.

Activities: periodical meetings every semester and events about solar PV in LATAM every year.

Coordinators:

Dr. Rodrigo Lopes Sauaia
• CEO of the Brazilian Solar Photovoltaic Energy Association (ABSOLAR, Brazil);
• Vice-Chairman of the GSC.

Marcelo Alvarez
• Head of Solar at Cámara Argentina de Energías Renovables (CADER, Argentina);
• Secretary of the GSC.
GSC Latin America Task Force

Specific objectives:

• Periodical market updates by members;
• Policy updates of the LATAM countries (including official renewable energy and emissions reduction targets);
• Taxation challenges and opportunities (e.g. Mercosur and commercial agreements);
• Opportunities and challenges in financing solar PV in LATAM (grid-connected and off-grid);
• The GSC LATAM Task Force will organize at least one public digital webinar every year, to share insights and updates from the region, as well as to present success cases and policies that are making a difference to advance solar PV.

Activities in 2021: meetings in 03/30/2021 and 11/30/2021 + GSC LATAM Webinar.

Current members:

• Associação Brasileira de Energia Solar Fotovoltaica (ABSOLAR, Brazil)
• Cámara Argentina de Energías Renovables (CADER, Argentina)
• Asociación Chilena de Energías Renovables y Almacenamiento (ACERA, Chile)
• Asociación Mexicana de Energía Solar (ASOLMEX, Mexico)
• Asociación de Energías Renovables Colombia (SER Colombia, Colombia)
• Asociación Ecuatoriana de Energía Renovable y Eficiencia Energética (AEEREE, Ecuador)
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Global PV market status

- Total cumulative installed capacity in 2020: 760 GW (+133 GW in 2020).
- Markets and end-consumers being empowered by solar PV.

The transformation of the electricity market

Forecast of the global electricity matrix in 2050.

Solar PV creates the most renewable jobs in the world.

It generates **25 to 30** jobs per MW installed per year, in the following areas:

- Installation;
- Manufacturing;
- Sales and distribution;
- Project development;
- Others.

Source: IRENA, 2021.
### Solar PV in Latin America

#### Average solar PV electricity price in Latin America

<table>
<thead>
<tr>
<th>Country</th>
<th>Price per MWh (US$)</th>
<th>Year of auction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>20.00</td>
<td>2017</td>
</tr>
<tr>
<td>Brazil</td>
<td>20.52</td>
<td>2019</td>
</tr>
<tr>
<td>Colombia</td>
<td>27.00</td>
<td>2019</td>
</tr>
<tr>
<td>Chile</td>
<td>34.10</td>
<td>2017</td>
</tr>
<tr>
<td>Peru</td>
<td>48.10</td>
<td>2016</td>
</tr>
<tr>
<td>Argentina</td>
<td>57.58</td>
<td>2019</td>
</tr>
</tbody>
</table>

Source: Americas Market Intelligence, 2021.
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Solar PV Price in Brazil

Large-scale solar PV power plants in energy auctions

Solar PV in Latin America

Solar PV Installed Capacity in Latin America

Solar PV in Latin America

Solar PV Installed Capacity in 2020 (MW)

Since 2012, the solar PV sector in Brazil has created more than 365 thousand cumulative jobs.
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Thank you
THANK YOU

Large scale, off-grid and distributed solar PV in Latin America
Promoting market growth after COP26

December 15 | 10:00 AM GMT-3

THANK YOU