IRENA is an intergovernmental organisation that supports countries in their transition to a sustainable energy future.

<table>
<thead>
<tr>
<th>Mandate</th>
<th>Goal</th>
<th>Scope</th>
</tr>
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<tbody>
<tr>
<td>• Promote adoption and sustainable use of all forms of renewable energy.</td>
<td>• Excellence and knowledge center, a platform of collaboration for the renewable energy sector.</td>
<td>• All renewable energy sources produced in a sustainable manner.</td>
</tr>
</tbody>
</table>
IRENA’s programmatic priorities in region

- Latin America regional action plan:
  
  1. Long-term power sector planning
  2. Power system flexibility
  3. Grid integration of variable renewable energy
  4. Regional renewable energy roadmap (REmap)
  5. Enabling policy and regulatory frameworks, and socio-economic impacts
  6. Project development and finance
  7. Geothermal energy
  8. Clean Energy Corridor of Central America (CECCA)
IRENA Going Forward – Investment Forums

New avenue to streamline the Agency’s work and convene stakeholders to generate investments.

IRENA will scale up efforts to support the creation of enabling frameworks and catalyse investments towards renewable energy.

Will partner with international finance and development institutions to induce action on regional and sub-regional levels.

The Forums will be tailored to the specific needs for each region.
IRENA’s REmap programme

Focus on renewable power technologies plus
- Heating
- Transport
- Cooling

Technology pathways and estimation of other metrics
- Sector and systems costs
- Investment needs, air pollution and climate
- Co2 emissions, employment, economic growth

Country driven results provide insights to policy and decision makers

Assesses and determines potential to scale up renewables.
IRENA’s REmap programme

REmap Data

For more indicators please click [here](#).

Electricity Generation and Capacity by Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latin America</td>
<td>Electrical capacity</td>
</tr>
</tbody>
</table>

Reference case vs REmap case

Global Atlas for Renewable Energy

Allows users to find maps of renewable energy resources for locations across the world.

Aims at closing gap between countries with access to data and expertise and those without.
Avoided Emissions Calculator

1. Select Country/area
   - Austria

2. Select Technology
   - (All)

3. Select Year
   - 2016

2. Electricity Generated from Renewables (GWh) (Austria, 2016)

3. Fossil Fuel Mix Replaced
   - Select your scenario:
     - Default Values
       - Coal%: 45.3
       - Natural Gas%: 49.5
       - Oil%: 5.2
     - Define Mix
       - Coal: 50
       - Natural Gas: 20
       - Oil: 30

Fossil Fuel Emissions Replaced (Million Tonnes CO2e)

- Total: 37.03
- Coal: 23.02
- Natural Gas: 11.79
- Oil: 2.22

Assuming the renewable energy electricity generation in (2) replaces the fossil fuel mix generation scenario in (3), the country has avoided the following amount of emissions:

Avoided Emissions

36.67 Million Tonnes CO2e
Energy Transformation

Cumulative investment in Current Plans and Energy Transformation scenarios until 2050

- **Current Plans**: 95 trillion USD
- **Energy Transformation**: 110 trillion USD

+15 trillion USD more needed
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