

IRENA

Renewable Energy Perspective

José Torón

Regional Programme Officer, Latin America and the Caribbean
Country Support and Partnerships

November 11, 2019 • Lima Perú

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

Mandate

- Promote adoption and sustainable use of all forms of renewable energy.

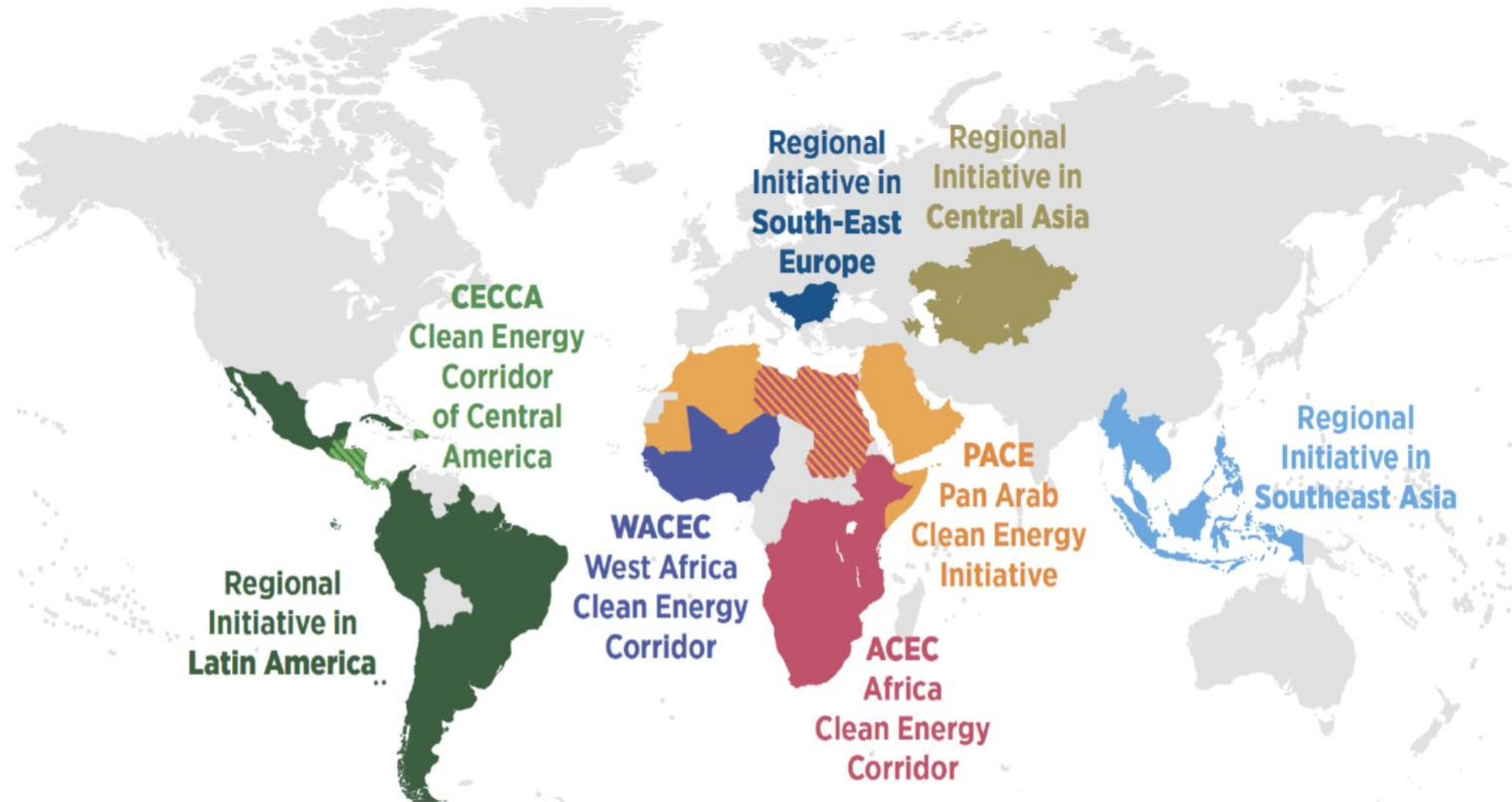
Goal

- Excellence and knowledge center, a platform of collaboration for the renewable energy sector.

Scope

- All renewable energy sources produced in a sustainable manner.

IRENA Regional Initiatives



- Latin America regional action plan:

1. Long-term power sector planning

2. Power system flexibility

3. Grid integration of variable renewable energy

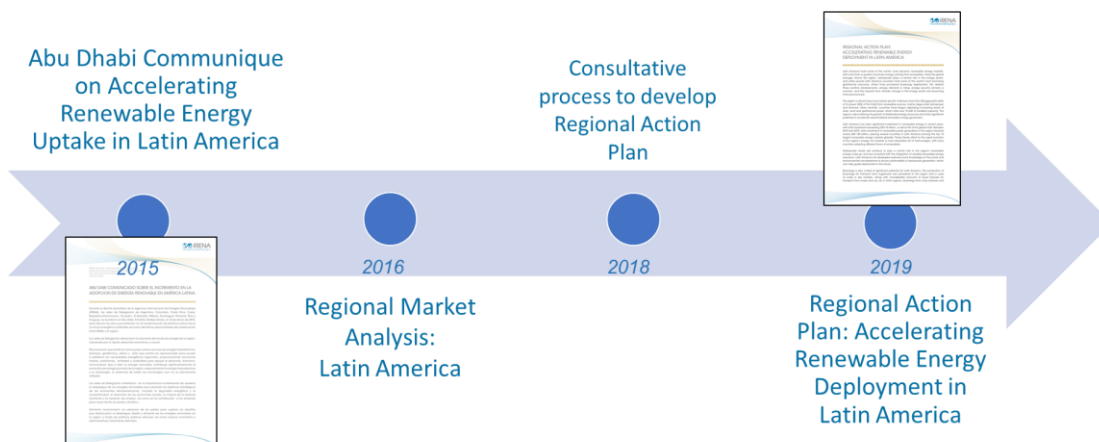
4. Regional renewable energy roadmap (REmap)

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)



Investment Forums



Assesses and determines potential to scale up renewables.

**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

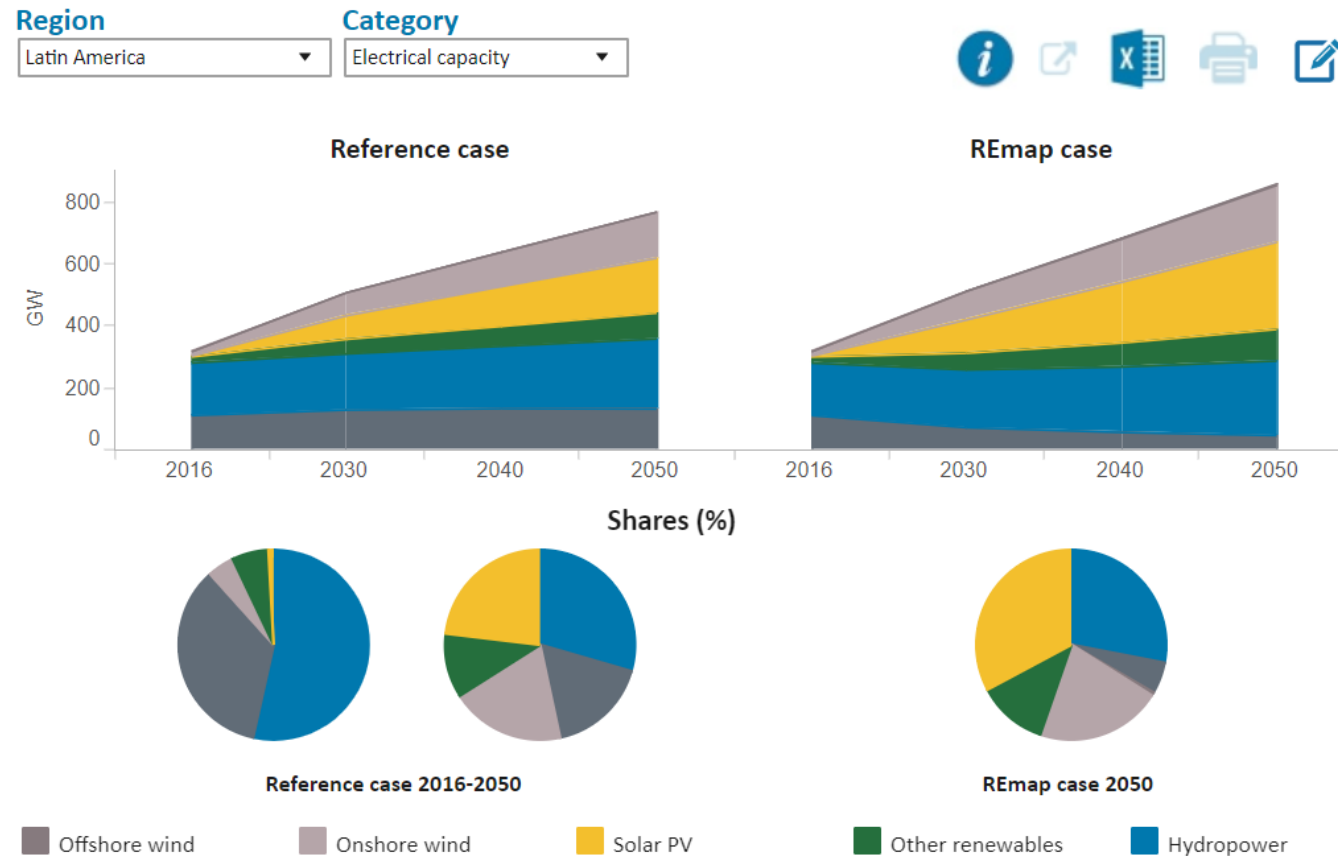


**Country driven
results provide
insights to policy
and decision
makers**

REmap Data

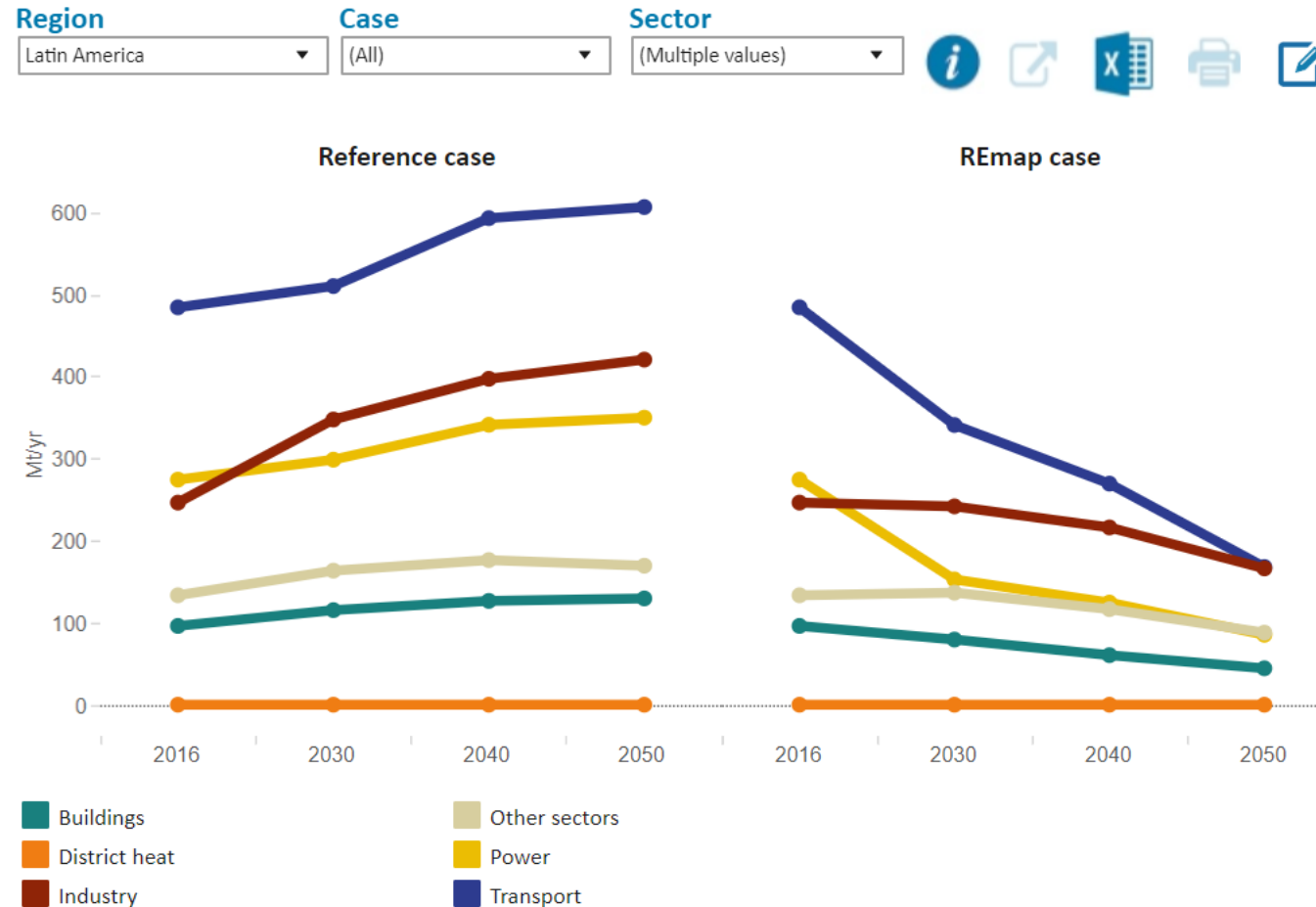
For more indicators please click [here](#)

Electricity Generation and Capacity by Region



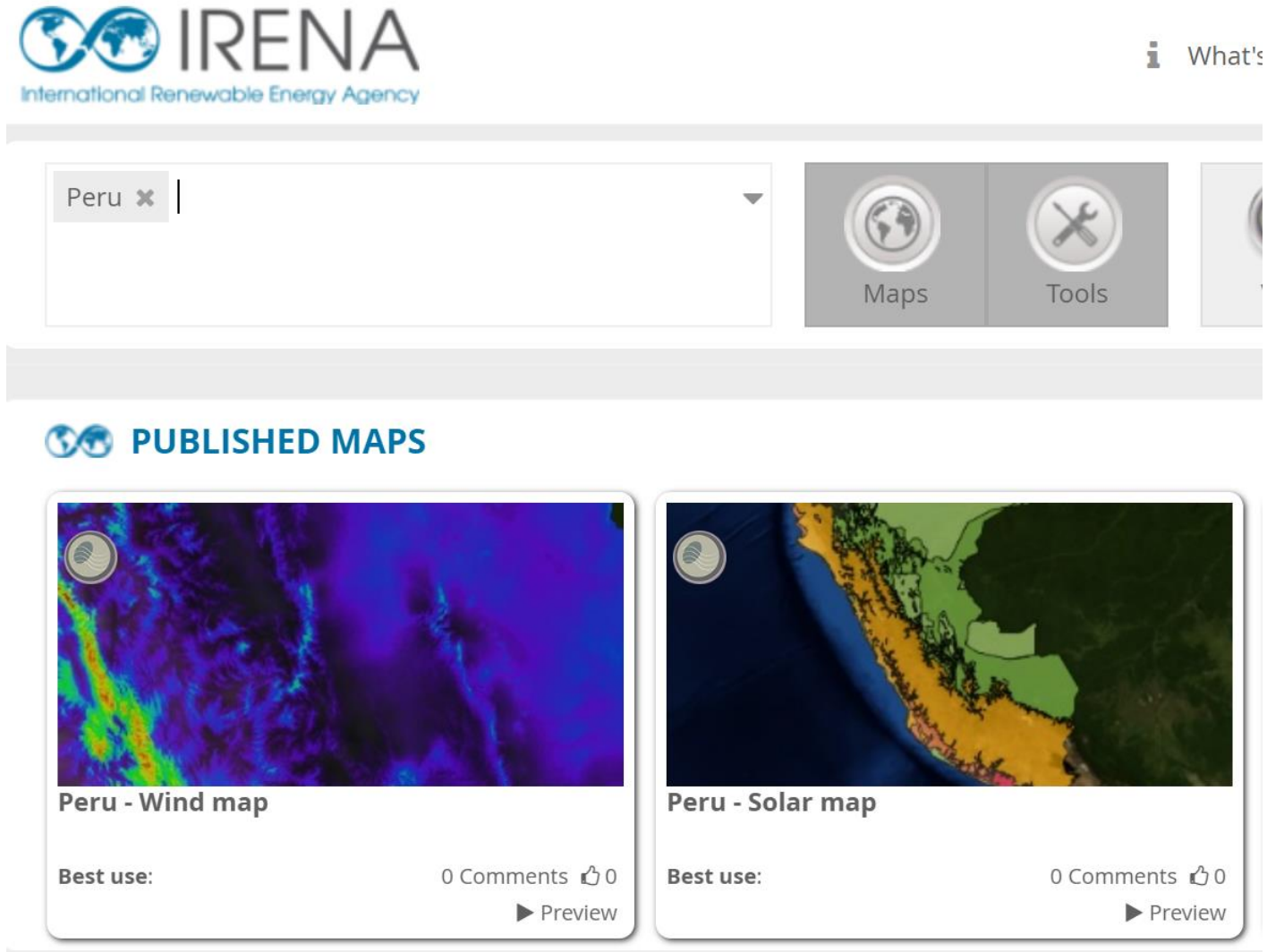
IRENA's REmap programme

Annual energy-related CO₂ emissions



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.



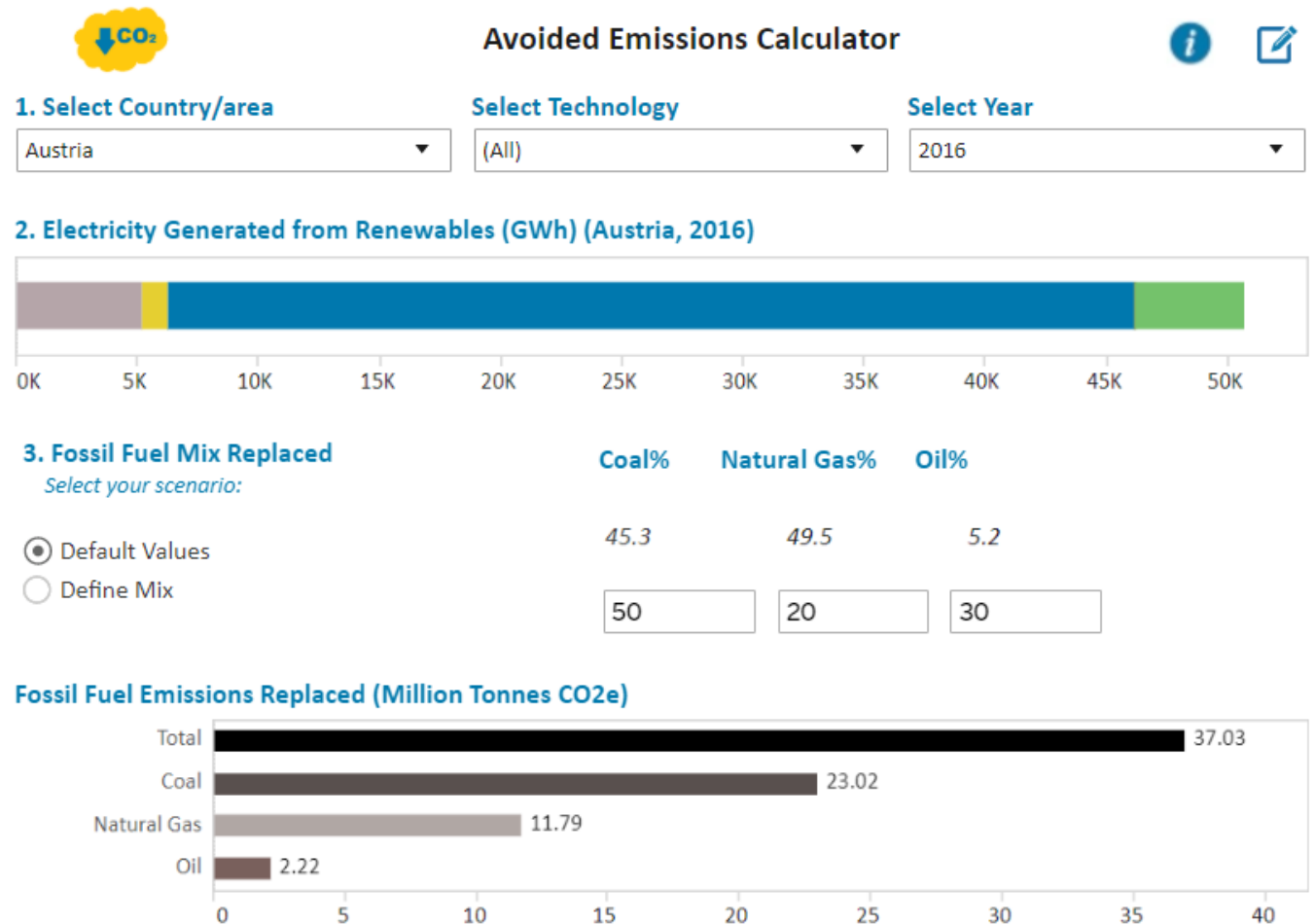
The screenshot shows the IRENA website interface. At the top left is the IRENA logo and name. On the right, there is a 'What's' link. Below the header is a search bar containing 'Peru' with a close button and a dropdown arrow. To the right of the search bar are two buttons: 'Maps' with a globe icon and 'Tools' with a wrench icon. Below this is a section titled 'PUBLISHED MAPS' with a globe icon. Two map preview cards are displayed side-by-side. The first card is titled 'Peru - Wind map' and shows a wind resource map of Peru with a color scale from blue to red. The second card is titled 'Peru - Solar map' and shows a solar resource map of Peru with a color scale from green to yellow. Each card includes a 'Best use:' label, a comment count of '0 Comments', and a 'Preview' button with a play icon.

Avoided Emissions Calculator

Estimates avoided greenhouse emissions

Based on country's renewable energy generation

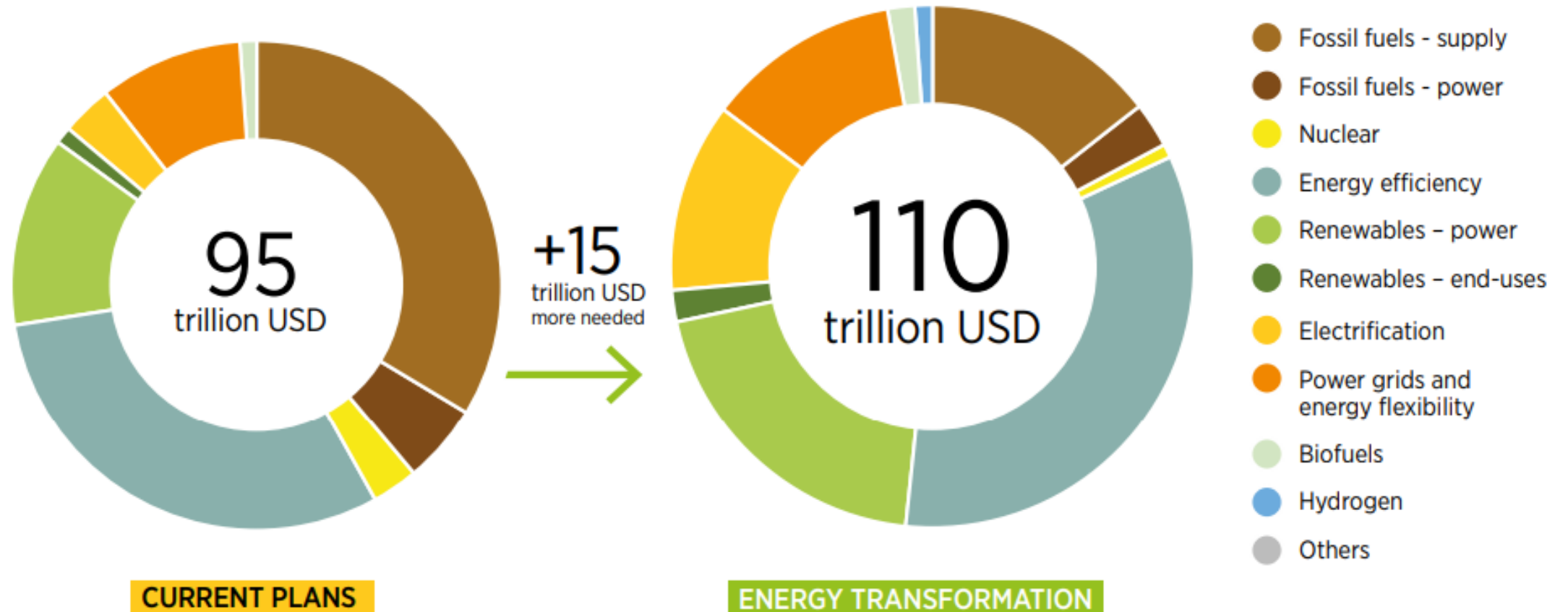
Compares to various fuel generation scenarios



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

Cumulative investment in Current Plans and Energy Transformation scenarios until 2050



José Torón

Regional Programme Officer, Latin America and the Caribbean
Country Support and Partnerships

jtoron@irena.org