

# Impacts 2017

## SUSTAINABLE DEVELOPMENT GOALS

### 7 AFFORDABLE AND CLEAN ENERGY



The activity of **acciona.org in Mexico (ACCIONA Microenergía Mexico)**, in 2017, impacted on the 3 dimensions of the Sustainable Development: economic, social and environmental. These are integrated into the 17 Sustainable Development Goals (SDG) approved by the United Nations in September 2015. The acciona.org contributes to the achievement of those goals, especially the SDG 7, **Ensure access to affordable, reliable, sustainable and modern energy for all**. Thus:

- The rural electrification programmes 'Luz en Casa' facilitated **access to affordable electricity, with solar home systems, to more than 7,500 low-income households (more than 30,000 people)** in isolated rural communities where there are no plans of electrification by means of power lines.

The acciona.org's activity also impacted on 9 other goals:



- **More than 30,000 users** of 'Luz en Casa', who are poor and extremely poor, **saved \$ 16,500,000 on alternative energy elements and could spend about 2,545,000 additional hours in their daily activities** due to having electric lighting.



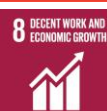
- 'Luz en Casa' **made available almost 10,970,000 hours of electric lighting that reduce the use of harmful alternative means (candles, kerosene, wood)**.



- The children who are users of 'Luz en Casa' spent **more than 510,000 additional hours to do their homework**. This returns the extension of their primary schooling in 0.4 years and the increase of children registered in secondary school in 11%.



- 'Luz en Casa' counted on at least **488 women who are members of the Photovoltaic Electrification Committees and 3 women who are in charge of a 'Centro Luz en Casa'**. They are **part of the 11,000 women** who develop tasks (paid or not) at home more easily. Besides **more than 5,000 girls did their homework with adequate lighting**.



- The **'Centros Luz en Casa' and the electricity that was provided to users who develop productive with small businesses in their homes favoured the employment and the economic growth** in the attended communities.



- The **innovative service delivery models of Luz en Casa**, which comprise technological, economic and managerial aspects, allow implementing resilient basic electric infrastructures offering a sustainable service. This constant innovation was **recognized by CAF-Development Bank of Latin America and the magazine "Compromiso Empresarial" with the prize for the starting of the Centros Luz en Casa as one of "The 10 most innovative social initiatives"** in the previous year.



- 'Luz en Casa' **continued mitigating inequalities between urban and rural areas, by reducing non-electrified rural and indigenous communities in the intervened regions**.



- The total of 'Luz en Casa' operative installations **avoided the emission of about 1,212 t CO2 and the non-controlled disposal of 13.3 t batteries**, due to the use of lamps and electric devices to connect to the photovoltaic systems.



- **acciona.org counted on the collaboration of the Spanish Cooperation and local/regional governments in Cajamarca, Loreto and Oaxaca, and developed its activities together with other organizations with the same aim such as the Table on Universal Access to Energy, the Latin American Platform of Sustainable Energy and Equity (so-called PLESE) and the Alliance for Rural Electrification (so-called ARE)**.

acciona.org's users explain these impacts:



Bernabe: "In the night I can prepare the harvest to sell in the morning"



Lizbeth: "This centre has helped me to improve my knowledge and my economy"



Cayetano: "Now we don't look for oil more to lighting up"