

Impacts 2016

SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY



The **ACCIONA Microenergía foundation's** 2016 activity impacted on the three dimensions of the Sustainable Development: economic, social and environmental. These are integrated into the 17 Sustainable Development Goals (SDG) which were approved by the United Nations in September 2015. The foundation's activity contributes to the achievement of those goals, especially the **SDG 7, Ensure access to affordable, reliable, sustainable and modern energy for all. Thus, in 2016:**

- The rural electrification programmes 'Luz en Casa' facilitated **access to affordable electricity, with solar home systems, to 11,400 low-income households (46,000 people)** in isolated rural communities where there are no plans of electrification by means of power lines.

The ACCIONA Microenergía's activity also impacted on 8 goals more:



- The **46,000 users** of 'Luz en Casa', who are poor and extremely poor, **saved 730,000 € on alternative energy elements and could spend 5,800,000 additional hours in their daily activities** due to having electric lighting.



- 'Luz en Casa' **made available about 15,800,000 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 500,000 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 **600 women who are members of the Photovoltaic Electrification Committees and 1 woman who is a 'Centro Luz en Casa' franchisee.** They are **part of the 17,200 women** who develop tasks (paid or not) at home more easily. Besides around **7,000 girls made their homework with adequate lighting.**



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



- '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 2,400 t CO2 and the non-controlled disposal of 10.9 t batteries,** due to the use of lamps and electric devices to connect to the photovoltaic systems.



- **ACCIONA Microenergía counted on the collaboration of the Spanish Cooperation and the local and regional governments of 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 Microenergía's users explain these impacts:



Wilfrido: "Today I can make more baskets due to electric lighting"



Segundo Aurelio: "We are confident of buying at the Centro Luz en Casa"



Arturo: "Now I don't walk far away to charge my mobile phone"