Efficient use of water and wastewater treatment for the irrigation for green areas in San Isidro

MUNICIPAL ADAPTATION MEASURES TO CLIMATE CHANGE

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San Isidro District

San Isidro, is one of the 51 district of Lima. It is located in the South West of the city and it is know as "The Lima's financial centre".

68 406

9.85 km2

760 000

Daily visits

500 000

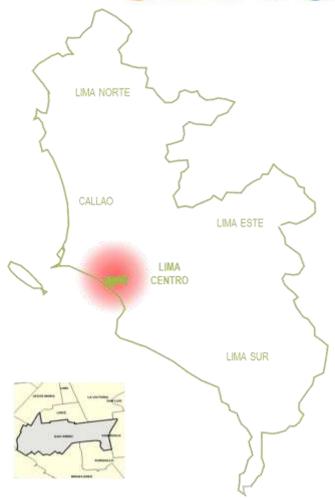
Cars cross the city

74%

Of municipal revenue comes from the financial / comercial sector



HH: 531 Liters per habitant/day

















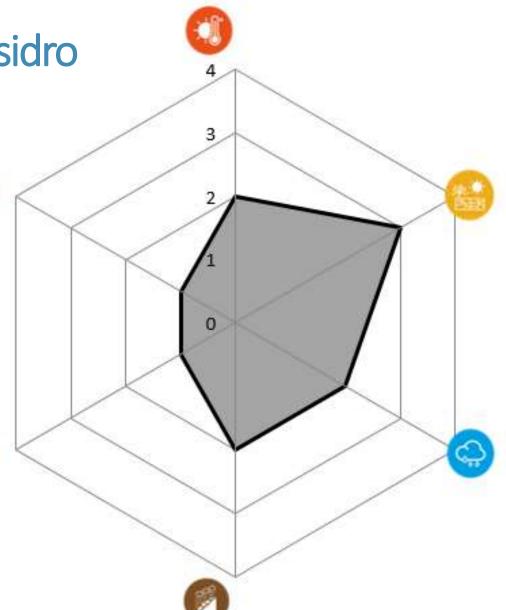
Climate hazards in San Isidro

- Droughts
- Heat waves
- -Strong winds and gales
- -Sea level rise
- Heavy rain and floods

Lima produces half of the water nationwide, but 30% is lots.

To evaluate the concept of the water use, we develop the Water Footprint.

Lima generates half of the sewage water in Peru. From that volumen only 52% was treated.















Measures

- Residual water treatment plant with a capacity of: 600 l/s
- -Almost 1 million inhabitants are directly benefited
- -1 650 000 m2 of green area is attended (96% with treated water)
- -Implemented since January 2010
- -\$ 250 000 per year

















Plans and measures

Strategic plans of::

- Sustainability 2016
- Environmental measures 2016
- Urban- 2017 2022
- Concert Development Plan 2017 -2021
- Local law that regulates the conservation and management of Green areas for public use -2018
- Environmental conservation area El Olivar Forest - 2016

Next steps to sustainability:

Measure N° 1: Efficient use of water for irrigation of Green areas

Measure N° 2: Wastewater treatment for irrigation of Green areas and trees.

Measure N° 3: replacement of coverage of high water demand by xerophytes.





























