



# Children's Environmental Health in Pakistan

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# Country profile

## PAKISTAN'S FACTS

Official Name	Islamic Republic of Pakistan
Total Area	796,095 km <sup>2</sup>
Official Language	English, Urdu
Capital City	Islamabad
Total Population	207,774,520
Population Growth Rate	1.43%
Population living in poverty	29.5%
Children's population	34.5%
Major Industries	Textile, Sugar, Agriculture, Cement, Fertilizers, Sports, Oil & Gas, Pharmaceutical, Leather, Livestock etc.
Climate	Pakistan lies in temperate zone with 4 seasons



# Country profile

## MAP OF PAKISTAN





# Current Status

- Environmental agencies in the country are taking different initiatives for environmental protection for wellbeing of the masses.
- Ambient air quality monitoring and dissemination of AQI and health advisory
- Vehicular emission monitoring & introduction of clean fuel (Low sulphur fuel)
- Replacement of two stroke engine with four stroke
- Conversion of clean technology for brick kilns (Zig Zag Technology)
- Industrial monitoring and introduction of pollution abatement technology
- Massive tree plantation



# Stakeholders

- Federal and provincial environmental agencies in the country are mandated to protect the environment for good health and wellbeing of the general public
- Pakistan Environmental Protection Agency (Pak-EPA) is responsible for the protection, conservation, rehabilitation and improvement of environment, prevention and control of pollution, and promotion of sustainable development. Other stakeholders are;
  - Environmental Protection Agency, Punjab
  - Environmental Protection Agency, Sindh
  - Environmental Protection Agency, Balochistan
  - Environmental Protection Agency, Khyber Pakhtunkhwa
  - Environmental Protection Agency, Azad Jammu & Kashmir
  - Environmental Protection Agency, Gilgit Baltistan



# Successes

- Notification of Pakistan Environmental Protection Act, 1997
- Implementation of National Environmental Quality Standards (NEQS)
- Establishment of Environmental Monitoring System in the country
- Country wide campaign of Clean and green Pakistan
- Billion tree tsunami program
- Promote Clean Development Mechanism to protect environment
- Ban on plastic bags
- Ban on two stroke engine
- Ban on agriculture residue burning
- Introduction of clean fuel (Pak-II)
- Zig Zag technology in brick kilns



# Challenges

- Smog formation in the country
- Lack of effective international cooperation/coordination
- Lack of coordination among different government agencies / institute
- Limited availability of data
- Financial constraint
- Least availability of technical human resource



# Priorities

- Pakistan Environmental Protection Agency's prime priority is to effectively implement the Pakistan Environmental Protection Act, 1997 for environmental protection for the sake of public health.
- Pak-EPA is willing to initiate a project in collaboration with National Institute of Health (NIH), Islamabad to establish link between local environment and public health especially children's health..
- On the basis of findings of this project NEQS may be refined.



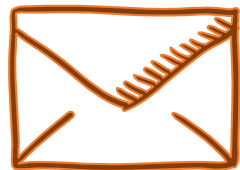


# Goals

- To initiate comprehensive study for the establishment of impacts of local environment on the health of vulnerable group especially to the children's health and its protection measures.
- Establishment of vehicular emission monitoring stations in the country.
- Complete conversion of conventional brick kilns to Zig Zag technology.
- Introduction of Euro-III and Euro-IV standards compliant vehicles.
- Introduction of electrical vehicles in the country.



# Any questions?



## Contact information

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