









CLIMATE CHANGE SCENARIO IN SRI LANKA

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weather

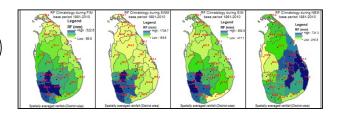
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Weather is the atmospheric condition over a small area and a short period of time.

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Climate දේශගුණය



seasons

Climate is the atmospheric condition over a large area and a long period of time

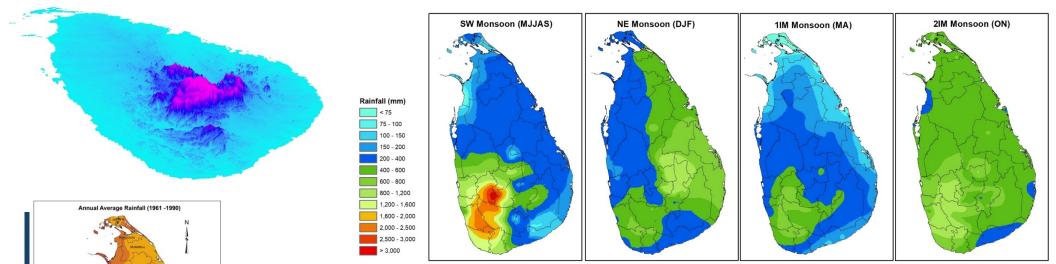


Zones

Climate Seasons In Sri Lanka

1,000 - 1,200 1,200 - 1,500 1,500 - 2,000 2,000 - 2,500 2,500 - 3,000 3,000 - 3,500 3,500 - 4,000 4,000 - 5,000

30 Year Climatological Average (1961-1990)



Seasons		Southwest Monsoon	Northeast Monsoon	First Inter-monsoon	Second Inter-monsoon
Period		May-Sep	Dec-Feb	Mar-Apr	Oct-Nov
Rainfall (Averag	e)	556 mm	479 mm	268 mm	558 mm
% of Annual Avera	age	30%	26%	14%	30%



Climate Risk Index: Ranking 1999 - 2018

www.germanwatch.org/en/cri

Global Climate Risk Index, ranks Sri Lanka as the 2nd most affected country by climate change in the world in 2019 (German Watch, 2019). Global Climate Risk Index, 2019

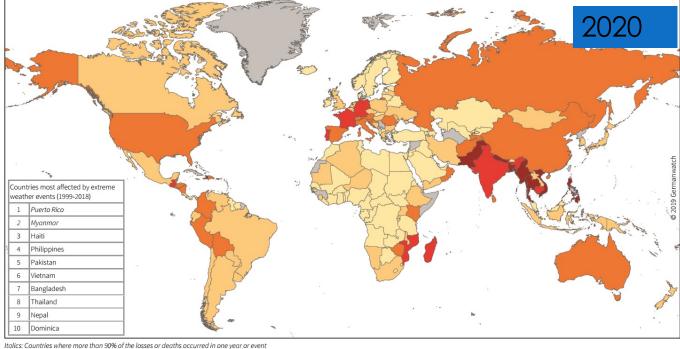
https://www.germanwatch.org/en/16046

Climate Risk Index: Ranking 1996 - 2017 1-10 11-20 11-20 21-50

Slight increase in 2020 upto 11th

https://germanwatch.org/sites/germanwatch.org/files/20-2-

01e%20Global%20Climate%20Risk%20Index%2 02020_14.pdf



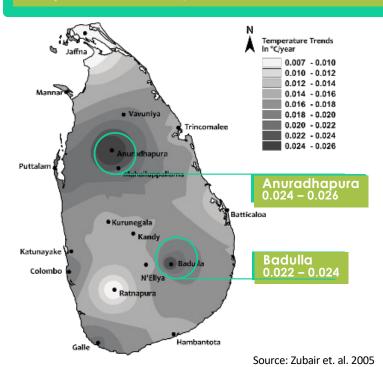
11 - 20

21 - 50

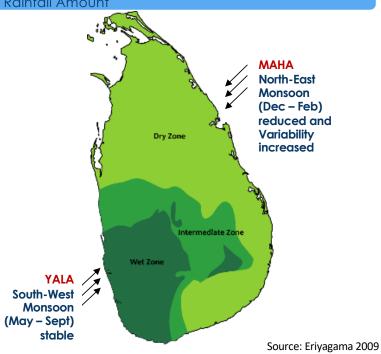
51 - 100



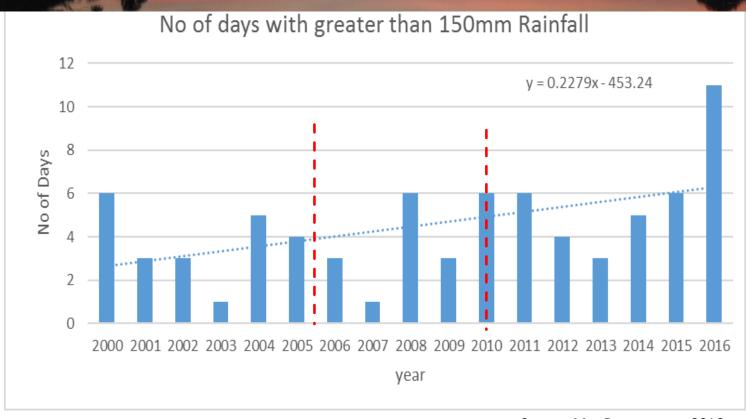




Rainfall: No significant change in Mean Annual Rainfall Amount

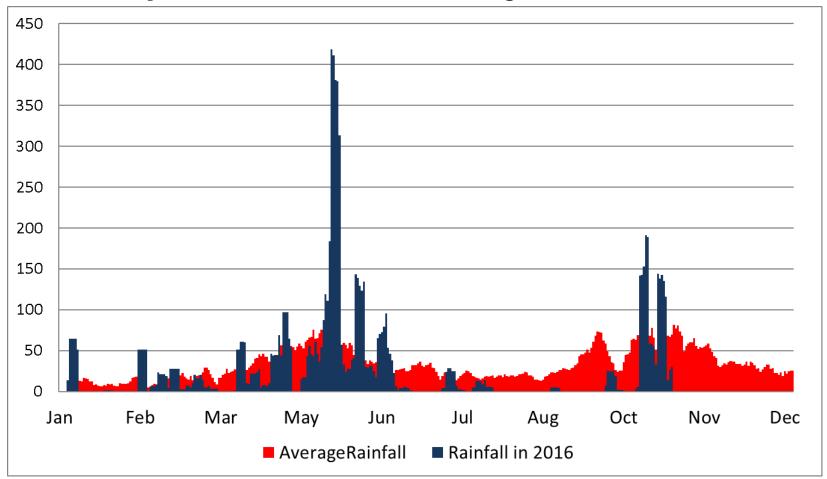


No of days with greater than 150mm Rainfall



Source: Met Department, 2016

COLOMBOComparison of 2016 rainfall with Average



Heavy Rain in mid-May and moderate rain in early June followed by a long dry period until mid-October

Source: Chandrapala, 2016

Service Delivery Systems



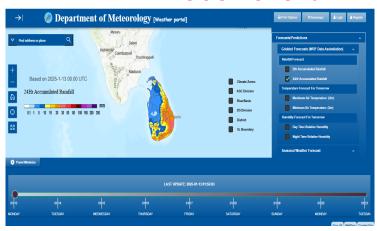
Play Store link - https://play.google.com/store/apps/details?id=com.weather.portal.gov

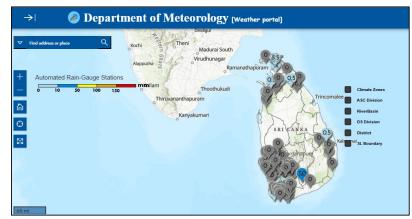
CRIWMP

web GIS portal

URL: https://weather.meteo.gov.lk/

3 hourly/24hrs forecast/ real time rainfall obervations





Thank you