

Climate Change Challenges for Cities in the Kathmandu City

Regional Policy Dialogue on Sustainable Urbanisation in
South Asia: Greening the Infrastructure Gap

17-18 December 2014
New Delhi

Batu Uprety

Member, Climate Change Council, Nepal

17 December 2014, Wednesday

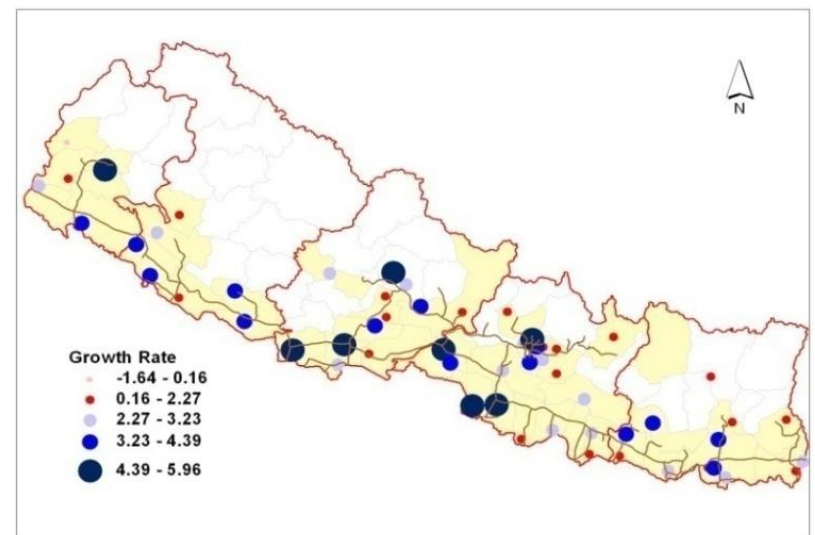
Background

- Nepal's urban population is 17.07 % (2011). The urban population will reach 27% by 2021.
- The urban population growth rate is 3.38% i.e. nearly 3 times higher than the national average growth rate (1.35%)
- 47% of Nepal's urban population in the Kathmandu Valley

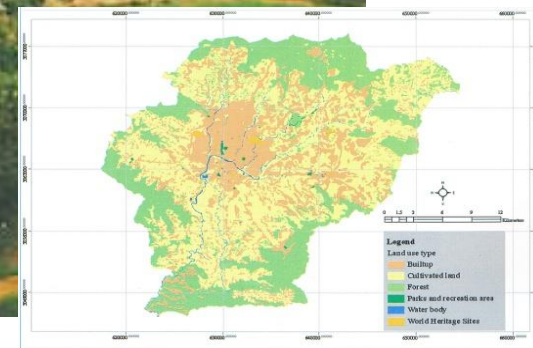
Urban Growth Patterns in Nepal

Parameters	1961	1971	1981	1991	2001	2011
Urban Population ('000)	336	462	975	1696	3228	4523
No of Urban Areas	16	16	23	33	58	58
Urban Population(%)	3.6	4	6.4	9.2	13.9	17.07
Urban Growth Rate (%)	4.4.	3.23	7.55	5.89	6.65	3.38
National Pop GR (%)	1.65	2.07	2.66	2.1	2.25	1.35

Source: National Census data 2011

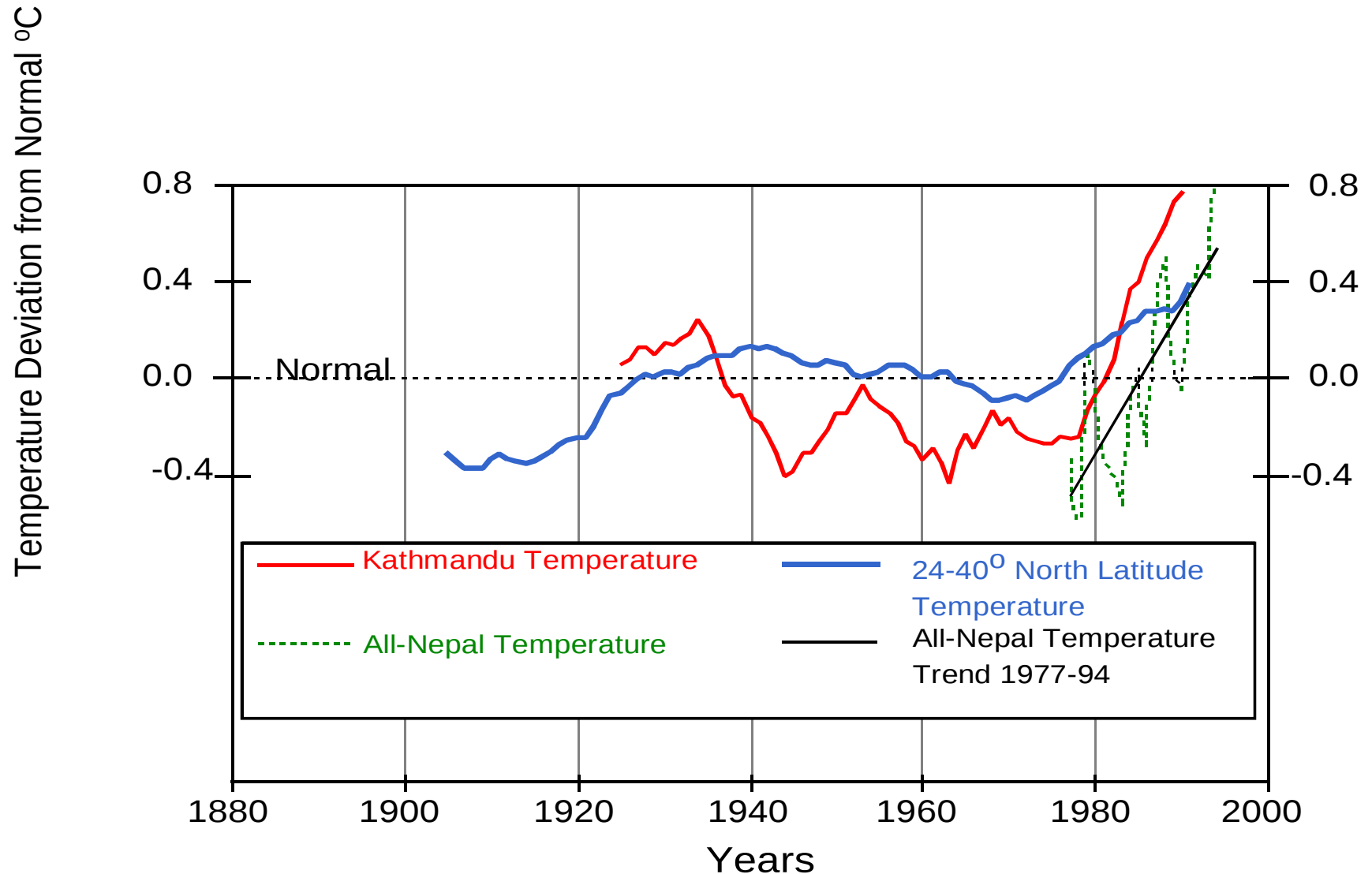


The Kathmandu Valley



Nepal's NAPA ranked most climate vulnerable

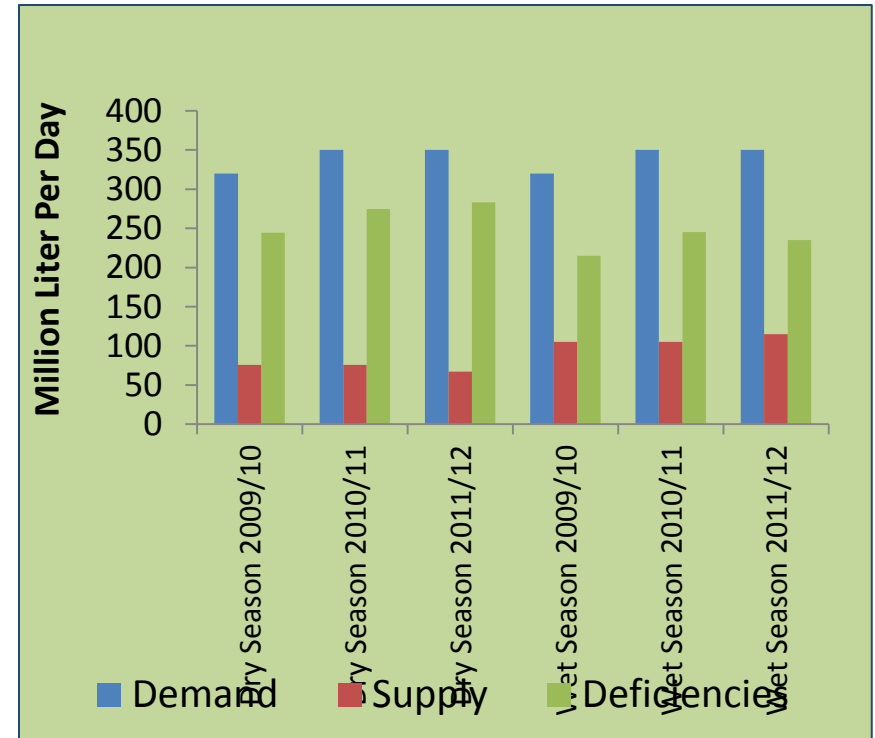
Temperature Increase in Nepal & Kathmandu



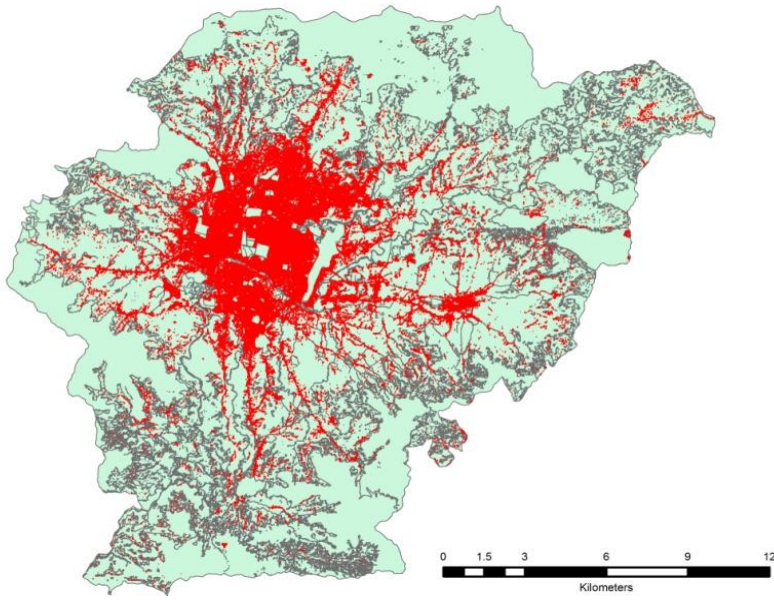
Source: Shrestha et.al., 1999

Too much water and less water supply

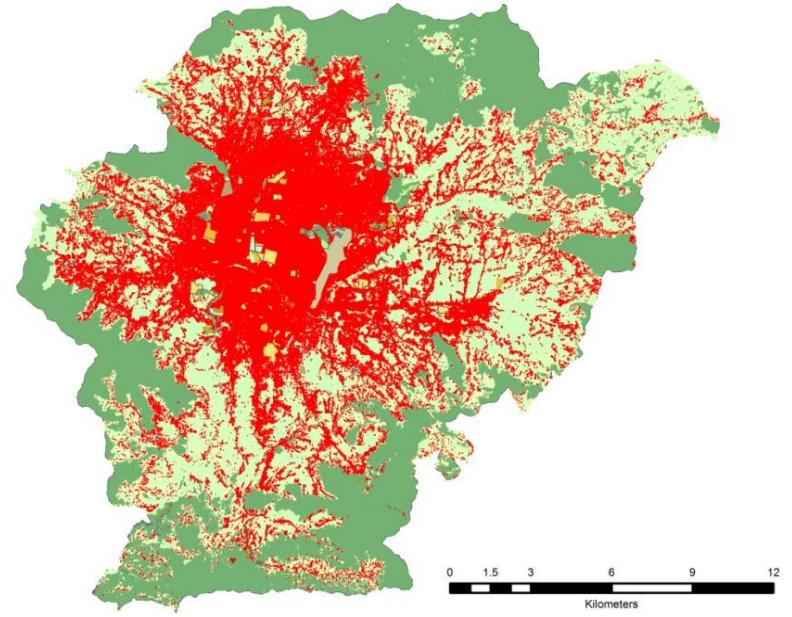
- Demand about 350 million liters/day
- Ground water contributes up to 50%
- Groundwater extraction by KUKL alone 70MLD
- Recharge potential 26 MLD
- No. of rainy days having > 100mm a day declined and total amount of rainfall almost same



Urban Settlement



2000



2012

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_4761

