



School of Biological, Earth and Environmental Sciences

Summer Vacation Research Project

Siting of instruments for urban climate and air quality research in Sydney

Supervisors:

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Project Description:

Sydney's population is predicted to grow by 30% within twenty years, most of which is slated for the semi-rural fringes. The resulting urbanisation will adversely impact temperature and air quality in these areas of rapid population growth. Currently there are few meteorological and air quality observational sites to adequately monitor the effects of this increased urbanisation on local weather and air quality. The Sydney Schools Weather and Air Quality (SWAQ) network aims to place instruments in Sydney schools to fill these gaps. A student with GIS knowledge and interest in urban environmental monitoring is required to consolidate information on existing monitoring sites, identify key areas of development and projected population growth to produce a list of optimal monitoring sites in the greater Sydney region and surrounds.

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