Technology Fact Sheet for Adaptation

Research to identify the magnitude of diseases other aspects affecting human health due to climate change [i]

Sector	*Health*
Adaptation needs	To learn how the climate change affects the human health.
Technology name	Applied research to estimate the impact of known climate change related adverse health outcomes.
How this technology contributes to adaptation	The knowledge of effect of some known adverse health outcomes of climate change will assist the policy makers to take the priority policy and strategy changes. The outcome will enable the researchers to identify the magnitude of the health outcomes and recommend actions as appropriate. It also will provide an opportunity to transfer knowledge and practices and behaviors to the people at risk.
Background/Notes, of the technology option sourced from ClimateTechwiki, Seminars etc.	Centres for Disease Control and Prevention. Climate Change & Human Health Kang, E., NIH-led Interagency Group Identifies Research Needs to Study Climate change and Human Health Impacts; National Institute of Health ,UK; April 2010
Implementation assumptions, How the technology will be implemented and diffused across the sector	The research activities shall be directed towards the following, Cardiovascular disease and stroke, Mental health and stress related disorders, Malignancies, neurological disorders and diseases, Asthma respiratory allergies and airway diseases, water borne diseases, food borne diseases and nutrition, extreme event and weather related morbidity and mortality, Heat related morbidity and mortality, Vector borne and zoonotic diseases and effect on human development. In addition adequacy of services and capacity of the health personnel and aspirations and expectations of the general public can be studied. Implementation of studies shall be entrusted to academic institutions and individuals who are involved in academic exercises for their graduate and

	other forms of studies. As there are many public and private institutions functioning in the island, there will be sufficient number of persons interested in this regard. The other avenue is collaborative studies with overseas universities or academic institutions. It is the noble function of the researchers and other institutions to diffuse the information gained through their publications, seminars, mass & print media etc. For the benefit of the community.
Cost	10,000 $US per study

Impact Statement- How this option impacts the country development priorities	
Country social development priorities	Income generation will not be directly benefitted. Education of the general public will help them to adapt to appropriate conditions. Health at different levels will be improved as the consequences are being minimized or averted
Country economic development priorities	Creation of jobs will be limited to few persons involved in research related work. Capital requirements will be minimal.
Country environmental development priorities	GHG emissions will be low. Generation of local pollutants and degradation of ecosystems will be negligible.
Costs	
Capital cost	-
Operational & Maintenance costs	1000 $ per study
Daily Supply capacity per facility	Not applicable.
Up-scaling potential	Based on the success of the initial studies.

Local context	
Opportunities/ Barriers	Opportunities are limited, still there are few who are inspired by the importance as the issues related to climate change has become the number one global problem.
Country status	Some studies are going on. Some have been completed, of which wide circulation is yet to be made available.
Timeframe	2012-2015

[i] **This fact sheet has been extracted from TNA Report – Technology Needs Assessment Reports For Climate Change Adaptation – Sir Lanka. You can access the complete report from the TNA project website http://tech-action.org/**