

UC San Diego & Prompt Inc

University of California San Diego

UC San Diego is a pioneer in distributed computing platforms such as the OptIPuter and CineGrid, and recently launched GreenLight, a project to build an instrumented datacentre to measure energy savings and CO₂ reductions using different server configurations and software in a real-world environment.

Simultaneously, Canada's Green-Next Generation Internet (G-NGI) program, led by PROMPT to reduce global warming, is building a set of testbeds to develop the necessary protocols for testing, verifying and auditing carbon credits in compliance with ISO 14064 - protocols made possible through the application of next-generation Internet technologies.

Prompt Inc

Prompt is a non-profit corporation that is leading a new Canada-wide initiative to establish a national research and development network to support the commercialization of ICT solutions and related applications that reduce global warming.

Navigation Pane

1.	Climate Change
1.1	Definition
1.2	Causes
	1.2.1 Natural Factors
	1.2.2 Human Factor
1.3	Impacts of Climate Change
2.	ICT as a Solution to Climate Change
2.1	Achieving a Green Business through ICT
	2.1.1 ICT in Manufacturing Sector
	2.1.2 ICT in Transport Sector
	2.1.3 ICT in Building Sector
	2.1.4 ICT in Power Sector
	2.1.5 Case Studies
2.2	Role of the Internet in Promoting Green Awareness
	2.2.1 Government Websites
	2.2.2 Other Internet Mediums
2.3	Other Spinoffs from the Advancement in ICT
	2.3.1 Change in Working Styles
	2.3.2 Change in Lifestyles
	2.3.3 Change in Teaching and Learning Styles
3.	Limitations of ICT in Fighting Climate Change
3.1	Freedom of Expression
3.2	ICT's Two-fold Role
3.3	Inability of ICT to stand as an Independent Solution
4.	Ongoing Research and Development of ICT in fighting Climate Change
4.1	Symposium
4.2	Conference Talk
4.3	Progress
5.	Quotes on ICT and Climate Change
5.1	Quotes
6.	References