Web Service Infrastructure for Mobile Web Mapping of Environmental, Health and Climate Change Data
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GIS Web Mapping

An Information system supporting research and public information dissemination on air quality, health and climate change. An initiative of the New Brunswick Lung Association and New Brunswick Climate Change Hub

Mobile Application Design

Design user interfaces for small handheld end user devices with limited display capability limited input facilities limited bandwidth for wireless connections limited battery runtime Render display information on small screens for user-friendly scroll-less viewing Employ user friendly input mechanisms Conserve battery power by allowing short user–program interaction cycles

Small handheld devices and wireless mobility create a challenge when porting existing desktop web applications: move from media-rich desktop web pages to simple small web pages with simple input mechanisms

Prototype Thin Client in Action

Map View

User Feedback

Porting an existing desktop web application

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