Web Maps for Environmental Learning

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Background
Environmental degradation is a global problem. Many efforts have been put in place to manage the consequences. Highland Library needed a tool that could help to effectively communicate the environmental themes identified at different scale levels to its diverse visitors.

Development Languages
- ArcGIS API for JavaScript
- Dojo Toolkit
- JavaScript
- CSS
- HTML

Solution
A Web map application was developed to present the environmental themes identified at each scale level using ArcGIS API for JavaScript. The application consumed the map services published by ArcGIS Server. The themes were organized as submenus in each scale levels arranged as menus.

System Design

Approach
Data was scrubbed and loaded in a file geodatabase, arranged in Feature datasets. In ArcMap, layers were labeled and symbolized appropriately. Map documents created were then published as map services using ArcGIS Server. ArcGIS API for JavaScript was used to develop the web application.