

Web Data Bank GIS for Ecology

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Presentation about: The original web based GIS (Geographic Information System) for the nature studies and its application case study. This system is the tool to manage and visualize a large amount of information on map and to collaborate anyone with this system.

The 1st characteristic: Able to overlay various type of information as raster image and clickable distribution map in the web sites. You can easily choose the themes and find correlations between them with trial and error. And you may find changes with times or unknown factors in the map.

The 2nd characteristic: Feedback the knowledge got from someone or the map to your party. This system allowing anyone to enter the information makes a common infrastructure for encouraging a discovery.

The 3rd characteristic: Easy for everyone to apply and use. The past and almost all GIS software are too expensive for general and have many functions with complex operations. For monitoring the wide area and gathering many data, it is very important and necessary to joint participation from the academic scholars to ordinary citizen. This web based system lead everyone collaborate each other only if you access to the Internet.

In application case study: This Web GIS is applied to the education for environment and nature science, especially for research on stream and river using the spatial information of freshwater fishes and aquatic insects stored in Museum of Nature and Human Activities, Hyogo. Several model schools in Hyogo and Kyoto pref. will take part in the collaboration for monitoring river environment and biota with the web GIS. You can know about this case study at

“<http://info.nat-museum.sanda.hyogo.jp/cgi/map/top.html>”.

More information: “<http://www.naturescape.co.jp/aegis1/>”.