

**Great Lakes Northern Forest Cooperative Ecosystem Studies Unit
Task Agreement**

FUNDING AGENCY: National Park Service

Purchase Request No: R 4506040615

(parkcode-fiscal year-sequential #)

Task Agreement No: J 4506040615

Cooperative Agreement, H6000C02000

Funding Amount: **\$24,332.00**

Funding Authorization No: 2111-6210-NII

Project Title: **A Website and Data Server for the National Park Service Northeast Temperate Network Inventory and Monitoring Program**

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Effective Project Dates:
30 April 2004 – 30 September 2005

PROJECT ABSTRACT:

This proposal will initiate a collaboration between the NPS NETN office and the Department of Natural Resources Conservation at the University of Massachusetts, Amherst (Dr. Charles Schweik, Principal Investigator) in the development and maintenance of the NETN website. The Website will:

- 1) provide information on the program to various stakeholders;
- 2) provide public access to various reports being developed by the project participants;
- 3) provide public access to datasets being produced by the program participants;
- 4) provide intranet access to reports and data internal to the program.

Key Words: Inventory and Monitoring, Northeast Temperate Network, NETN, UMASS, Website

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Project Type: Research _____ Technical Assistance ☒ Education _____
Project Discipline(s): Biological ☒ Cultural _____ Physical _____ Social _____ Interdisciplinary _____

Report(s) Received:
Products on File:

A Website and Data Server for the National Park Service
Northeast Temperate Network Inventory and Monitoring Program

9 April, 2004

Dr. Charles M. Schweik
University of Massachusetts, Amherst

Project Summary

The Northeast Temperate Network (NETN) Inventory and Monitoring Program of the National Park Service needs a website to be developed that:

1. Provides information on the program to various stakeholders and to the public;
2. Provides public access to various reports being developed by project participants;
3. Provides public access to datasets being produced by program participants;
4. Provides intranet access to reports and data to internal program participants.

Once the website is developed and made "live", the program has the need for regular maintenance and support of the live website, as well as development of new website features as the program moves along through its various phases.

This proposal is to initiate collaboration between the NPS NETN office and the Department of Natural Resources Conservation at the University of Massachusetts, Amherst (Dr. Charles Schweik, Principal Investigator) in the development and maintenance of the NETN website.

A preliminary website was developed for NETN by several students in Schweik's Fall 2003 Information Technology class. This prototype is available at <http://128.119.112.94/NPS/index.cfm>. The project will build upon this initial prototype and will involve the following tasks and anticipated timetable:

NATIONAL PARK SERVICE SUBSTANTIAL INVOLVEMENT

- The NPS will be substantially involved in this project by developing and providing all necessary materials, including reports, images, data, databases, links, and other web-based information to the cooperator for development of the NETN webpage. The Northeast Temperate Network staff will work closely with the cooperator to review and edit the webpage as new information is available. The NETN staff will provide the linkage between webpage development and posting on the NPS I&M server and will ensure that all web products developed from this project will follow all national and NPS web standards for content and accessibility. The NETN staff will also provide the cooperator with geographic information system support for spatially referenced materials and review and provide comments on versions of the webpage.

Deliverables and Time Line

- April 30, 2004 – May 30, 2004: Complete the initial website for production and uploading on an NPS server following and adhering to appropriate NPS web publishing guidelines. Develop an information sharing procedure between the NETN office and UMass. Specific attention on the website needs to be given to the "data" and "reports" pages so that they do not say "under construction" but serve some kind of data or at least describe what will ultimately be put there. The development version of the web site will reside, at least temporarily, on the current UMass web server.

Deliverables: (1) Established development/test system at UMass; (2) Completed web site

development checklist and certification form; (3) Completed version 1.0 of website; (4) Established production site (version 1.0) running on NPS server.

- May 30, 2004 – September 30, 2004: Maintain support, and develop the NETN website to facilitate present and future information sharing needs. Respond to webpage revision and development requests by NETN staff as necessary. Including, but not limited to, launching NETN developed databases that could be queried by webpage users, providing ideas about the direction of NETN information sharing, and facilitating the uploading of additional content.

Develop new versions of the Data and Report functions on the web as well as a web-based "Site Administrator" facility that will be separate from the NETN website and available to only NETN staff and UMass.

Components on the Data and Reports pages are similar and include: Keyword and map search (image map) functions that are available to any visitor of the web site. Intranet function will be available which will allow NETN network collaborators to search and see data that are listed as "available to the public" and also "available to NETN collaborators." These pages will be dynamically built from an Access database and programmed using Cold Fusion.

The administrator function will be a separate stand-alone website with password access that will allow the NETN data manager(s) to post new data to the "data" or "reports" database on the production server.

Deliverables: (1) Search facilities for data and reports developed, tested and installed on NPS production web site; (2) Separate NETN data manager's administration website developed that feeds the search database; (3) Other new functions developed, as required by NETN office.

- January - September 2004: New function development as required.

Status reports of this project indicating progress made since the last invoice period will be submitted to the NETN staff during each invoice period.

The webpage will serve as the final report for this project and the link will be submitted to the GLNF-CESU.

Budget:**Northeast Temperate Network Webpage Development**

30 April, 2004 - 30 September, 2005

NPS-

CATEGORY	Amount
Senior Personnel:	
PI: Dr. Charles Schweik	\$4,248.00
1- Research Assistant	\$13,320.00
Total Personnel	\$17,568.00
Equipment:	
Cold Fusion License	\$429.00
OIT Support	\$400.00
Lab Supplies	\$273.35
Travel	
NETN Travel	\$200.00
Curriculum Fee	\$2,304.00
Total Direct Costs	\$21,174.35
Indirect Costs - 15% (Per CESU rate)	\$3,157.65
Amount of Request UMASS	\$24,332.00