

2005 ESRI GIS Grant Program for U.S. 4-H Description and Application Procedure

4-HGIS_external@esri.com

www.esri.com/4-H (site January 2005)

Application Period: January 1, 2005–March 31, 2005

The goal of this program is to foster and support the integration of geographic information system (GIS) applications in U.S. 4-H clubs. ESRI has created the 2005 ESRI GIS Grant Program for U.S. 4-H in cooperation with National 4-H Headquarters; Cooperative State Research, Education, and Extension Service (CSREES); U.S. Department of Agriculture (USDA) to support its geospatial outreach, education, and community involvement efforts.

Seventy-five grants for software, introductory training, and other materials will be awarded to U.S. 4-H clubs completing successful application and acceptance by the March 31, 2005, submission deadline.

The 2005 ESRI GIS Grant Program for U.S. 4-H is one aspect of a multifaceted ESRI 4-H initiative being developed by ESRI in cooperation with National 4-H Headquarters, CSREES/USDA that will help its members expand their current programs including the National 4-H GIS/GPS Technology Design Team (www.4-h.org/tech/gisgps), the National 4-H Youth Technology Leadership Team (<http://www.4-h.org/tech>), and the National 4-H GIS/GPS Technology Integration Team (<http://www.tnstate.edu/iager/gisgps/main.htm>).

Definition of Terms

Eligible participants. 4-H uses a variety of delivery modes to reach youth. Although the term "club" is used throughout this document, the term "club" for the purposes of this program means a 4-H community or in-school club, 4-H after-school program, 4-H special interest group, 4-H school enrichment group, 4-H camp, or similar 4-H unit that meets regularly for 4-H youth development program delivery and has been recognized as an authorized 4-H group within a state's 4-H program with a list of enrolled youth members and approved adult volunteer 4-H leaders or 4-H agents on file. This includes 4-H programs in the 50 U.S. states, the District of Columbia, Puerto Rico and the Island Areas (American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, the Virgin Islands, and Palau), and domestic and overseas U.S. military installations. This opens

the program to more than 400,000 clubs and their members.

Permitted software use. The software provided to 4-H clubs under this program will be licensed to a club and can be used for noncommercial club business including activities such as educational training and community research and activism. The software cannot be used in the normal business of a county office, research center, school, or other organization that supports a 4-H club, nor can it be used by clubs, members, or volunteers to provide paid services to commercial or noncommercial entities. The software can be installed on club and club member (youth and adult) computers commensurate with club needs up to a total of 25 individual computers and in keeping with the above-prescribed uses. The club software will be licensed by ESRI to the club's approved adult volunteer 4-H leader or 4-H agent as the license administrator and primary end user. Questions regarding appropriate use or club license needs above the 25-seat maximum should be sent to ESRI staff at 4-HGIS_external@esri.com.

Nonendorsement. No endorsement of ESRI, its products, or services by the National 4-H Headquarters, CSREES/USDA, or the land grant institutions is implied or intended.

Grant Program Description

The 2005 ESRI GIS Grant Program for U.S. 4-H has been established to support national 4-H efforts aimed at bringing GIS and other geospatial technologies to young people and qualified adults involved with U.S. 4-H clubs.

The grant covers a period of essentially one 4-H project year: from the date of grant approval/software receipt through May 30, 2006. (See [Use of Software Beyond May 2006](#) for options beyond the grant period.) It includes a club license of selected software for Windows® computers and Windows CE devices, books, and Web-based resources.

Materials Included in Grant

GIS Software and Data

1. A 2005 25-seat club license of ArcView 3.3, ArcView 8.3, or ArcView 9 (Windows)
2. A 2005 25-seat club license of ArcView Spatial Analyst or ArcGIS Spatial Analyst (Windows)
3. A 2005 25-seat club license for ArcPad (mobile GIS for Windows CE devices) and one club license of ArcPad Application Builder
4. ESRI Data & Maps CD series
5. Links to the Geography Network, with special focus on community-level physical and human geographic data
6. Facilitation with access to local GIS data via various ESRI users and related groups

GIS Books and Training Materials

7. One copy of GIS in Schools
8. One copy of Making Community Connections
9. Unlimited access to lesson packages at ArcLessons
10. Ongoing 24/7 technical assistance via the ESRI Web support area

The following items included are dependent upon the software requested.

11. If ArcView 3.3 applications
 - One copy of Mapping Our World: GIS Lessons for Educators
 - One copy of Community Geography: GIS in Action (workbook and teacher's guide)
 - One copy of Getting to Know ArcView GIS self-study book
 - One copy of Extending ArcView GIS self-study book
 - An ESRI Virtual Campus youth club subscription
 - Introduction to ArcView GIS
 - Introduction to ArcView Spatial Analyst
 - Working with ArcPad
12. If ArcView 8.3 or ArcView 9 applications
 - One copy of Getting to Know ArcGIS self-study book
 - One copy of ArcGIS Agriculture Workshop package
 - One copy of Mapping Our World: GIS Lessons for Educators (when available for ArcGIS)
 - An ESRI Virtual Campus youth club subscription
 - Learning ArcGIS I
 - Learning ArcGIS II
 - Learning ArcGIS Spatial Analyst
 - Working with ArcPad

Note: Clubs should explore software system requirements and descriptions (found at www.esri.com/products.html) to determine which version is the most appropriate for the club to request. Any software exchanges must be conducted within 30 day's of delivery.

The grant does not include on-site installation, training, and implementation/support services beyond those noted above. In addition, the grant does not permit any use of the granted software applications for nonclub uses as discussed above in the permitted software uses definition.

The grant assumes and recommends that each club will seek added or ongoing mentoring assistance from GIS users in its area.

Use of Software Beyond 2006

Grant recipients are expected to participate in and submit a project to the ESRI Community Atlas Program (ESRI CAP) by May 30, 2006. Successful ESRI CAP participants will receive a permanent license of software. Clubs not participating in ESRI CAP may pay to license the software or must remove it from their computers after June 1, 2006.

Participation in the ESRI Community Atlas Program within the school calendar year 2005/2006 is a mandatory provision of the grant. Clubs that participate in and contribute a finished project to ESRI CAP will receive an award of ongoing software use. For 4-H club grant recipients, the ESRI CAP award will be a permanent license of the ESRI software products in their possession, in keeping with the license guidelines set forth in ESRI CAP.

4-H club grant recipients that do not participate in the ESRI CAP project in 2005/2006 can continue to use the software in their possession by paying a licensing fee for the various software applications. A listing of these fees are available by contacting ESRI (4-HGIS_external@esri.com). Likewise, 4-H clubs wishing to pursue software maintenance (upgrades and ongoing technical support) should contact ESRI at the above email address.

Grant recipients that have completed neither of the above by June 1, 2006, must remove installed software from all club computers. A letter describing this also will be sent from ESRI and the National 4-H GIS/GPS Technology Design Team at that time.

Provisions

To meet the goals of the 2005 ESRI GIS Grant Program for U.S. 4-H, clubs must agree to

- Institute or expand the use of GIS in their 4-H club activities.

- Undertake at least one club community GIS service learning project aimed at any of the following: a local social or environmental issue, historical change, general community research, or community sustainability. For more ideas on what this research might entail, explore the ESRI Community Atlas Program Web site (www.esri.com/communityatlas) as well as that for the My Community, Our Earth Program (www.geography.com under the Education tab—My Community, Our Earth Program Resources).
- Participate in the ESRI Community Atlas Program (www.esri.com/communityatlas), completing a project by June 1, 2006.
- Participate in GIS Day 2005 by hosting an informational event for local youth, community leaders, and the public. For more information, visit www.gisday.com.
- Make at least one presentation to other 4-H clubs, youth, and leaders in your state during the grant period.

Performance Reporting

Grant recipients agree to provide the National 4-H GIS/GPS Technology Design Team and ESRI with a performance report on the status of the grant project approximately every six months after the award (July 1 and December 1). The reports should address the provisions of the grant and other club geospatial and community activities of note. The digital reports are to be submitted to 4-HGIS_external@esri.com.

Application Due Date/Award Period

The National 4-H GIS/GPS Technology Design Team must receive grant applications no later than **March 31, 2005**, for the applications to be considered. Grant application reviews will occur on a flow basis as they are received. Only the first 75 club applications successfully meeting all requirements will be approved and awarded grants. Therefore, it is wise to submit an application as early as possible.

Review Process

Members of the National 4-H GIS/GPS Technology Design Team will review all the applications and submit grant recipient recommendations to ESRI for assignment of awards. ESRI will provide the National 4-H GIS/GPS Technology Design Team with a list of clubs receiving awards.

Date of Notification

Grant awards will be announced on a flow basis as they are approved (i.e., it is sensible to apply sooner rather than later). Regardless, all grants will be awarded no later than April 30, 2005.

Procedure for Applying

Each club application must provide two text documents, Microsoft® Word format preferred, in response for each of the following. Items B through G should be limited to a maximum of five 8½ x 11 pages.

- A. Letter of support from the state 4-H coordinator (one page maximum)
- B. Club profile with the following details:
 1. Club name
 2. Club mailing address
 3. Club delivery (street) address
 4. Geographic area encompassed by club activities/members (counties)
 5. Club contact's name, title, and organization; E-mail, physical delivery address, phone number of approved adult volunteer 4-H leader or 4-H agent (Note: This individual will become the club's software license administrator and the registered primary end user with ESRI.)
 6. Club contact physical address (if different from club mailing address), phone, fax, e-mail
 7. Club Web site, if one exists
- C. Brief description of adult and youth club members that will be involved including numbers of youth and adult members
- D. Description of hardware and software to be used
 1. Information on computer(s) on which the software will be installed (number of machines, operating system configurations, types, and location [e.g., home computers, club laptops, etc.])
 2. Information on any club global positioning system (GPS) receivers, personal digital assistants, or other field data collection tools
 3. Information on any computer networks involved
 4. Information on Internet access
 5. ArcView version requested (choice of ArcView 3.3, ArcView 8.3, or ArcView 9.x)

- E. A one-paragraph response to each of the following questions:
- Why is the inclusion of GIS in our club activities important?
 - How does our club plan to contribute to the creation or further development of the 4-H Technology Action Plan in our state?
 - Why should our 4-H club be considered for the 2005 ESRI GIS Grant Program for U.S. 4-H?
- F. Description of current GIS and other geospatial activities (e.g., specific programs created, presentations made, conferences attended, training events undertaken) (Note: At the moment, not having completed any GIS or other geospatial activities does not disqualify a club from applying for and potentially receiving a grant.)
- G. Description of plans for 2005 and beyond toward building and/or expanding GIS and other geospatial activities by the club (i.e., *What is the club's long-term vision surrounding the incorporation of geotechnologies into its activities? Likewise, how will this vision involve the club with the local community?*)

If you have questions regarding the application, send an e-mail to 4-HGIS_external@esri.com or explore www.esri.com/4-H.

Submitting Your Application

The application period is January 1, 2005–March 31, 2005. Applications received prior to January 1 will not be considered. E-mailed applications must be received no later than 5:00 p.m. EST, March 31, 2005.

Each application must contain only two text documents, Microsoft Word format preferred (state 4-H coordinator's letter of support and the club's profile and proposal), in accordance with the limitations and specifications noted earlier.

These must be attached to an e-mail and submitted by the club's adult contact.

To assist in identification of application submissions, the subject line of the e-mail should be named 4-H GIS Grant Application: City, State (e.g., 4-H GIS Grant Application: Moab, UT).

Each application (only one application is permitted per club) must be e-mailed to 4-HGIS_external@esri.com.

ESRI is hosting the e-mail link, which will deliver all applications to members of the National 4-H GIS/GPS Technology Design Team as well as key ESRI education staff. However, the review and award recommendations will be the role of the National 4-H GIS/GPS Technology Design Team.

If a club wishes to discuss the activities of the National 4-H GIS/GPS Technology Design Team, please contact

Mr. Tom Tate, National Program Leader
 USDA/CSREES–ECS
 800 Ninth Street SW Suite 4429
 Washington, D.C. 20024
 202-720-2727
ttate@csrees.usda.gov

Learn More About

4-H GIS/GPS Technology Programs
www.4-h.org/tech/gisgps/

4-H National GIS/GPS Integration Team
www.tnstate.edu/iager/gisgps/main.htm

ESRI and Its K–12 Education Program
www.esri.com, www.esri.com/k-12

ESRI Community Atlas Program
www.esri.com/communityatlas

GIS
www.gis.com

GIS Day
www.gisday.com

KanGIS: K–12 GIS Community
www.kangis.org

My Community, Our Earth Program
www.geography.org/sustainable/index.html