

UC Santa Barbara

NCGIA Technical Reports

Title

GIS Videos: An Annotated Bibliography (92-9)

Permalink

<https://escholarship.org/uc/item/1cr7m1nd>

Authors

Ruggles, Amy

The American Society for Photogrammetry and Remote Sensing (ASPRS)

Publication Date

1992-12-01

NCGIA

**National Center for Geographic
Information and Analysis**

GIS Videos:

An Annotated Bibliography

Compiled by

Amy Ruggles
University of California, Santa Barbara

in cooperation with

The American Society for Photogrammetry and Remote Sensing/ASPRS

Technical Report 92-9

December 1992

GIS Videos: An Annotated Bibliography

Videotapes are an increasingly common and popular means to disseminate information. They come with food processors, are made available as animated advertisements and can be purchased individually at the end of many broadcasts. Video presentation can be especially useful when the information of interest has a graphic or spatial component and videos can also effectively convey data with multi-dimensional and temporal characteristics. Videos usually can be viewed repeatedly at the discretion of the viewer, and the progression through the video itself can also be self-paced. All of these characteristics may help explain why videos enjoy an increasing popularity as a means of instruction, both in private and public, classroom settings.

The interest in and demand for education in GIS is intensifying. There are many different, sometimes conflicting, needs that must be met. These include:

- | a need to educate future and existing GIS operators and users in its fundamental concepts and principles, and to provide them with practical training as well, perhaps on a variety of systems. These students may be in an academic or professional setting and the emphasis on theoretical and training issues will vary;
- | a need to inform decision-makers and other potential users about the basic concepts and abilities of GIS so that they can realize not only that it is available, but also judge if it is an appropriate solution/technology for their needs;
- | a need to inform those individuals and organizations investing in a GIS on how to successfully choose a specific system appropriate to their needs, as well as how to implement and maintain that GIS system;
- | a need to more fully integrate GIS into the larger, general curriculum of geography and other disciplines. This integration should occur not only at the university level, but also in secondary and primary schools.

Videotapes are one means of addressing these varied educational needs. Not only are videotapes an effective means of conveying graphic and spatial data, and of training in certain aspects of GIS, they also:

- | allow access to a wider range of systems and techniques than would otherwise be available to any academic department that operates with a finite budget. There is undoubtedly great value in hands-on experience, but the ability to buy hardware and software is limited, and videos can provide valuable additional exposure;
- | allow access to a larger and more realistic range of applications than could be gained from class-projects alone, which must be limited in scale and type of analyses that can be attempted. Videos show actual applications, and may have greater impact than purely textbook examples of the same. Application-oriented videos can also provide valuable examples of applications for those thinking about implementing a GIS;
- | allow departments and classes whose intent is something other than the training of GIS operators to present the characteristics and abilities of GIS effectively and realistically;
- | serve as promotional materials and allow for comparison between products for individuals and organizations investing in a GIS.

In other contexts, video presentation may be the primary method of disseminating information concerning GIS and will not be supporting hands-on experience.

“There probably will be small geography departments that never adopt GIS technology. Most geography departments in the U.S. will not have the resources and/or desire to focus on GIS technology within their curricula. Instead, they will concentrate on the education of GIS users.”

King, 1991 p.72

In addition to a lack of appropriate hardware and software in these settings, there may be no qualified instructor for an exhaustive course on GIS. This will also be true in many other settings, such as in departments of other land based subjects where the technical training of GIS operators may similarly not be a major focus of the curricula. Under these conditions, appropriate videotapes will have a larger role to play in educating students about GIS

principles and abilities. Videotapes of GIS applications can be incorporated into appropriate courses as an example of available techniques for solving substantive problems. Similarly, at the primary and secondary education levels, GIS videos can be an important means to introduce students in an immediate and relevant way to modern geography. The analytical focus of GIS complements traditional geography which is now being increasing reintroduced into primary and secondary curricula.

This video bibliography is a joint effort of the National Center for Geographic Information and Analysis (NCGIA) and the American Society for Photogrammetry and Remote Sensing (ASPRS). The following list of videos has been compiled from a variety of sources. Mark MacLennan, Billie Swenson, Janet Degner and Keith Menchel have all contributed lists they have compiled and we would like to thank all those that helped any or all of us in this compilation. An earlier version of this list appeared in the **Canadian Cartographic Association Newsletter**, 16:2, 1990, and certain videos appeared in the NCGIA Technical Paper 91-22, "Bibliography on Animation of Spatial Data", 1991. Reviews of GIS related videotapes can occasionally be found in the **URISA Newsletter**. Several of the GIS videos are also reviewed in G.B. Hall and M.J. MacLennan, 1990, "Recent videotapes related to GIS and cartography", **International Journal of Geographic Information Systems**, 4:1, pp. 87-95.

Although the list is intended to be as current as possible, it is quite likely that some of the videos are no longer available or the prices quoted have changed. Each source should be contacted so as to determine the current availability and pricing of their videotapes.

The video topics included in this bibliography are not limited to GIS, but also include some examples from related fields such as cartography, remote sensing, and surveying. Techniques or technologies likely to be incorporated into future GIS are also included in the bibliography, such as certain statistical applications and data visualization and animation techniques. The videos have been grouped under 6 general headings, with associated sub-headings.

Data Acquisition

- Remote Sensing
- Surveying

Data Display and Analysis

- Cartography
- Visualization and Animation
- Statistical Analysis

GIS Applications and Context**GIS Principles**

- Introductory
- Advanced

GIS Soft and Hardware

- Promotional
- Training

Video Series

The structure of this organization is not comprehensive and has in part been determined by the availability of videos. The contents of many of the tapes overlap categories so one may wish to skim over alternative headings. Keywords for videos have been provided to facilitate the search for relevant videos, as has the reference to applicable NCGIA Core Curriculum Topics. An effort has been made to reference videos only once, but as the use of video names is inconsistent and sources sometimes make use of different names, some duplication of videos under alternative names is unavoidable. Indications of these probable duplicate references has been provided with the descriptions.

VHS and BETA refer to different commercially available systems that use 1/2" tape. 8mm systems are increasingly becoming available to the public, but BETACAM and U-Matic systems are common only in more professional settings. All of these systems require different physical systems for display. NTSC, PAL and SECAM are different methods of encoding images upon the magnetic tape (e.g. a VHS cassette can be recorded using either NTSC, PAL or SECAM standards), but again, all of these standards require different physical systems for display. Converting between any of these systems or standards can

be difficult and expensive. The bibliography provides exact information concerning the videotape system and standard whenever possible. When information is not provided and the source is from North America, the video probably conforms to the standard North American use of VHS (NTSC) technology.

King, Guy Q. 1991 "Geography and GIS Technology", *Journal of Geography*, Vol. 90, No. 1, pp. 66—72.

be difficult and expensive. The bibliography provides exact information concerning the videotape system and standard whenever possible. When information is not provided and the source is from North America, the video probably conforms to the standard North American use of VHS (NTSC) technology.

King, Guy Q. 1991 "Geography and GIS Technology", *Journal of Geography*, Vol. 90, No. 1, pp. 66—72.

DATA ACQUISITION

- REMOTE SENSING

Radar: Visions From Space

Date:

Format: VHS (NTSC)

Length: 30 min

Copyright:

Purchase: \$275.00

Rental: \$40.00

Academic Discount: no

Shipping: \$6.00

Source: Steve Raymen, President
New Dimension Media, Inc.
85803 Lorane Highway
Eugene, OR 97405-9408
Tele: (503) 484-7125
Fax: (503) 484-5267

Description: Focuses on the development and many uses of radar technology. Since its development in England in the 1930's, radar has been used for a multitude of purposes - from intercepting enemy aircraft to taking high-resolution images of areas such as the Sahara Desert or Amazon rainforests. This video explains how such developments have heightened scientists' knowledge of climate patterns, geology, and the environment. Now technologies such as stereo-mapping produce three-dimensional images giving experts spectacular views not only of the entire globe, but also of the planetary system.

Keywords:

Remote-Sensing; Climate; Mapping; Map-Making; Data-Sources

NCGIA Curriculum Modules:

C, A

Remote Heat Sensing

Date:

Format: VHS (NTSC)

Length: 28 min

Copyright:

Purchase: \$250.00

Rental: \$35.00

Academic Discount: no

Shipping: \$6.00

Source: Steve Raymen, President
New Dimension Media, Inc.
85803 Lorane Highway
Eugene, OR 97405-9408
Tele: (503) 484-7125
Fax: (503) 484-5267

Description: Focuses primarily upon the many uses of infra-red technology. Infra-red cameras can detect many objects and characteristics otherwise difficult to observe, such as oil slicks at night and diseases in crops, an ability that heightens our capacity to map the world and explore our galactic neighbors. Many of the aspects of remote sensing in general are also explored.

Keywords:

Remote-Sensing; Data-Sources

NCGIA Curriculum Modules:

C, A

SPOT: Mission Earth

Date:

Format:

Length: 20 min

Copyright:

Purchase: \$30.00

Source: SPOT Image Corp.
1897 Preston White Drive
Reston, VA 22091-4368
Tele: (703) 620-2200

Description: Provides an overall perspective on the technical capabilities and worldwide applications of the SPOT Satellite imagery. Applications include: map updating, site selection, demographic analysis, agriculture, environmental monitoring, natural disasters, and geology.

Keywords:

Remote-Sensing; SPOT; Mapping; Environmental-Modeling; Urban;
Demographics

NCGIA Curriculum Modules:

C, O, S

- SURVEYING

A Matter of Degrees

Code: #NSPS1

Date: 1986

Format: VHS (NTSC)

Length: 28 min

Copyright: yes

Purchase: \$100.00 Non-Members - \$75.00 Members

Rental: no

Academic Discount: no

Copying: no

Shipping: 10%

Source: Gail Papa

American Congress on Surveying & Mapping

Communications Department

5410 Grosvenor Lane, Suite 100

Bethesda, Maryland 20814

Tele: (301) 493-0200

Fax: (301) 493-8245

Description: An introduction to the modern field of surveying and a discussion of the history, development and future of surveying and land information science. The surveying process is illustrated by following the development of a raw parcel of land into the site of shopping centers, parks and housing.

Keywords:

Surveying; History; Trends; LIS

NCGIA Curriculum Modules:

C, O

GPS: Space Based Tool for Field Navigation

Date:

Format:

Length: 15 min

Copyright:

Purchase: 1-5=Free - 10=\$8.55 per tape - 20=\$7.00 per tape - 50=\$6.40 per tape

Source: Toni Jasonbach

U.S.D.A. Forest Service

Technology and Development Center

Fort Missoula, Building #1

Missoula, MT 59801

Tele: (406) 329-3900

Code: Video #192
Format:
Length: 15 min
Copyright: yes
Purchase: Not for sale
Rental: free (14 day loan) + cost to return
Academic Discount: no
Copying: yes
Shipping: none to obtain, actual cost to return
Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0278
(800) 226-1013

Description: Describes the use and fundamental principles of GPS and the Global Positioning Satellites. Describes how they will be useful to forest mapping, surveying and resource management efforts by the US Forest Service.

Keywords:
GPS; Resource-Management
NCGIA Curriculum Modules:
C

Land Surveying - Today and Tomorrow

Date: 1990
Format: VHS or BETA (NTSC)
Length: 12 min
Copyright:
Purchase: \$39.95 + PA Sales Tax
Copying: no
Source: Daniel K. Lake
Pennsylvania Society of Land Surveyors
324 Beaver Valley Pike
Willow Street, Pennsylvania 17584

Description: Briefly discusses the history, development, and future of land surveying. Describes the procedures surveyors follow from the initial meeting with the client to the setting of iron pins at the lot corners.

Keywords:
Surveying; History
NCGIA Curriculum Modules:
C, H

National Atlas Information Service

Date:

Format: VHS

Length:

Copyright:

Purchase:

Source: Director, Geographical Services Division
Canada Centre for Mapping
615 Booth Street
Ottawa, Ontario K1A 0E9
CANADA

Description: This video outlines the Canadian National Atlas Information Service available through the Geographical Services Division.

Keywords:

Canada; Data-Sources; Trends

NCGIA Curriculum Modules:

C, R, S

Why Not Surveying? Your Future Career

Date:

Format:

Length: 8 min

Copyright:

Purchase:

Source: University of Melbourne
Melbourne, Australia

Description: Explores career options and outlines and surveying courses available at The University of Melbourne.

Keywords:

Australia; Surveying

NCGIA Curriculum Modules:

C

DATA DISPLAY AND ANALYSIS

- CARTOGRAPHY

Mapping in the Fourth Dimension

Date: 1988

Format:

Length:

Copyright:

Purchase:

Source: Pam Williford

ASI, Analytical Surveys, Inc.

1935 Jamboree Drive, Suite 100

Colorado Springs, CO 80920

Tele: (719) 593-0093

(303) 571-1045

Fax: (719) 528-5093

Description: Presents a history of photogrammetry and mapping highlighting the involvement of Analytical Surveys in this evolution of technology and services. The evolution and current state of computer-mapping technology and services are described. The tape is composed of still images that are brought into “:motion” through video media technology. Provides a historical baseline and description of state-of-the-art (circa 1986) mapping/GIS technology.

Keywords:

Map-Making; History

NCGIA Curriculum Modules:

G, F, A,

Maps: From Quill to Computer

Date: 1985

Format: VHS (NTSC)

Length: 26 min

Copyright:

Purchase: \$280.00

Rental: \$45.00 (three days)

Academic Discount: no

Shipping: \$6.00

Source: Steve Raymen, President
New Dimension Media, Inc.
85803 Lorane Highway
Eugene, OR 97405-9408
Tele: (503) 484-7125
Fax: (503) 484-5267

Format: VHS

Copyright:

Purchase: \$280.00 or \$45.00

Source: Canadian Learning Company
2229 Kingston Road, Suite 203
Scarborough, Ontario M1N 1T8
CANADA
Tele: (416) 265-3333

Description: A documentary about the history of cartography produced for the Canadian Broadcasting Corporation's television series "The Nature of Things". It traces the major technological advances that have changed map-making through the centuries to the present. In earlier times, maps were often superb works of art and vehicles for the cartographer's skill and imagination. Today maps can be produced almost automatically from the computerized data of surveillance satellites and aircraft.

Keywords:

Map-Making; History

NCGIA Curriculum Modules:

N, G, A, F

Supercomputing Review '91

Date: 1991

Format: VHS

Length: 30 min

Copyright:

Purchase: \$20.00

Source: Media Magic
P.O.Box 507
Nicasio, CA 94946
Tele: (800) 882-8284 (orders)
(415) 662-2426 (inquiries)
Fax orders: (415) 662-2225

Description: A compilation of the latest in computer visualization from three leading supercomputer centers: Cornell University, University of Pittsburgh and Ohio State.

Keywords:

Animation

NCGIA Curriculum Modules:

N

The Shape of the World

Date: 1991

Format: VHS

Length: 6 hours on 6 tapes

Copyright: yes

Purchase: \$149.95

Source: The Video Catalog

P.O.Box 64428

Saint Paul, Minnesota 55164-0428

Tele: (800) 733-2232

Fax: (612) 659-4320

Description: This Public Television Service series presents a history of mapping beginning with the ancient civilizations to the present day. The last segment of the series focuses upon the impact of computer technology on mapping. The series is hosted by Patrick Stewart.

Program 1: Heaven and Earth

Program 2: Secrets of the Sea

Program 3: Staking a Claim

Program 4: Empire!

Program 5: Pictures of the Invisible

Program 6: The Writing on the Screen

Keywords:

Map-Making; History; Mapping

NCGIA Curriculum Modules:

N, G

Reference: Berthon, S. and A. Robinson. 1991 *The Shape of the World*. Rand McNally.

- VISUALIZATION AND ANIMATION

A Computer Movie Simulating Urban Growth in the Detroit Region

Date: 1970

Format: VHS

Length: 8 min

Copyright:

Purchase: Shipping and Handling

Source: W.R. Tobler

Dept. of Geography

University of California

Santa Barbara, CA 93106

Description: Shows a model of population in the Detroit region as a growing Z-surface.

Keywords:

Animation; Urban; Population; Demographics

NCGIA Curriculum Modules:

N, K, G, F, O

A Demonstration of the Real Time Display of Three Dimensional Cartographic Objects

Date: 1978

Format: 3/4" U-Matic

Length: 14 min

Copyright: yes

Purchase: Free to selected recipients

Copying: yes, loan copy sent to selected recipient

Source: Prof. Harold Moellering

Dept. of Geography

Ohio State University

Columbus, OH 43210

U.S.A

e-mail: GEOHAL+@OSU.EDU

Description: An exploration of the potential of 3D raster animation techniques in real time and near real time as they apply to several cartographic analysis situations. The first strategy involves real time surface exploration, the second involves spatiotemporal display and the third is the combination of the two. An example of each strategy has been developed. The first example is of the real time exploration of topography and an emulation of the exploration path is subsequently generated in near real time. The spatiotemporal example is of U.S.

population data between 1850 to 1970. The third example examines the diffusion of farm tractors in the mid-continental United States from 1920 to 1969 and relates that phenomenon to typical logistic diffusion curves.

Keywords:

3D-Modeling; Animation; Terrain-Modeling; Population; Demographics

NCGIA Curriculum Modules:

N, K, G, F

Reference: Moellering, H. 1980. "Strategies for real-time cartography",
Cartographic, 17:1, pp. 12-15.

ACM SIGGRAPH Video Reviews

Date: annual

Format: VHS (NTSC), 3/4" U-Matic (NTSC)

Length:

Copyright:

Purchase: \$60.00 each

Source: SVR Order Department

c/o First Priority

P.O. Box 576

Itasca, IL 60143-0576

Tele: (800) 523-5503

(708) 250-0807 overseas orders

Description: A large number of videotapes illustrating various computer animation methods and applications are available from the Association for Computing Machinery. These videos show excerpts of newly issued computer animations shown at annual ACM SIGGRAPH conferences. Some include animation of geographical phenomena.

Keywords:

Animation; ACM; SIGGRAPH

NCGIA Curriculum Modules:

N, G

Reference: SIGGRAPH Video Review Listing, *Computer Graphics*, 1990, 24:3, pp. 129-135

Aftershocks of the Loma Prieta, CA, Earthquake: Computer Animations

Code: USGS Open-File Report 89-0669

Date: 1989

Format: VHS (NTSC)

Length: 22 min

Copyright:

Purchase: No Charge for Borrowing 2 Weeks

Source: Mike Moore
U.S. Geological Survey Library
Special Collections MS 955
345 Middlefield Road
Menlo Park, CA 94025
Tele: (415) 329-5009

Code: USGS Open File Report 89-0669
Format: VHS (NTSC)
Copyright:
Purchase: \$20.00
Source: Earth Science Information Center - Open Files
Box 25286 Federal Center
Denver, CO 80225

Description: An illustration of the various types and aspects of aftershocks from the October, 1989 Loma Prieta, California earthquake using computer animated sequences. The aftershocks are viewed from a variety of three-dimensional perspectives.

Keywords:
Earthquakes; Loma Prieta; Animation; 3D-Modeling; Geology
NCGIA Curriculum Modules:
N, F, G

Animated Atlas of TOMS Ozone Data, 1978-1988

Code: NSSDC ID 78-098A09X
Date: 1989
Format: VHS (NTSC or PAL)
Length: 40 min
Copyright:
Purchase: \$35.00
Academic Discount: NSSDC director may waive charge as resources permit
Shipping: \$2.50 U.S. / \$10.00 non-U.S.
Source: Coordinated Request and User Support Office
National Space Science Data Center
Request Coordination Office
Code 633
NASA / GSPC
Greenbelt, Maryland 20771
Tele: (301) 286-6695
e-mail: REQUEST@NSSDCA.GSFC.NASA.GOV

Description: This video consists of several segments, each a time-lapse series of images from the Total Ozone Mapping Spectrometer (TOMS) on

NASA's NIMBUS-7 weather satellite. The video was originally produced as a browsing tool for the TOMS digital database. It illustrates global atmospheric physics and dynamic climatological features.

Keywords:

Animation; Remote-Sensing; Atmospheric-Modeling; Environmental-Modeling; Data-Sources

NCGIA Curriculum Modules:

N, C, K, S, G

Reference: Chesters, D. and A.J. Krueger. 1989. "A video atlas of TOMS ozone data", 1978-88 *Bulletin of the American Meteorological Society*, 70:12, pp. 1564-1569.

Architectural Animation / Model View

Date: 1989

Format:

Length: 3 min

Copyright:

Purchase: \$0.00

Source: Intergraph Direct Marketing
Huntsville, AL 35894-0001
Tele: (800) 826-3515

Description: Computer animation of an architectural model. A fly-through presentation with music.

Keywords:

Animation; Architecture; Fly-By

NCGIA Curriculum Modules:

N

Computer Animation of River Basin Evolution

Date: 1990

Format: VHS (NTSC)

Length: 21 min

Copyright:

Purchase: \$15.00

Shipping: \$5.00

Source: Prof. Rafael L. Bras
Department of Civil Engineering
Massachusetts Institute of Technology, Room 1-290
Cambridge, MA 02139
Tele: (617) 253-2117
(617) 253-1936
e-mail: rlbras@storm.mit.edu

Description: A physically-based sediment erosion and transport model is developed to simulate river basin evolution over geologic time scales. The model accounts for tectonic uplift, diffusive transport such as rainsplash and landslides, and fluvial transport on hillslopes and channels. Two cases are presented. One case simulates erosion after an abrupt tectonic uplift, and the other corresponds to a gradual uplift and downwasting and a dynamic equilibrium state of landscape evolution.

Keywords:

Animation; Terrain-Modeling; Simulation; Geology

NCGIA Curriculum Modules:

N, K, F, G

Reference: Willgoose, G., Bras, R.L. and I Rodriguez-Iturbe, 1990, "A model of river basin evolution", *EOS*, 71:47, pp. 1806-1807.

Digital Landscapes... A View from Space

Date:

Format: VHS or BETA (NTSC)

Length: 24 min

Copyright:

Purchase: \$19.95

Source: Video Publishing Group, Inc.
5055 NW 159th Street
Miami, Florida 33014
Tele: (305) 621-7283

Description: This video, produced at the NASA Jet Propulsion Laboratory, consists of four segments each illustrating an animated three-dimensional "fly over" of the surfaces of the Earth, Mars, Miranda and the Los Angeles basin. These three-dimensional animations were produced from satellite and spacecraft imagery. The segments are entitled "Earth: The Movie", "Mars: The Movie", "Miranda, The Movie", "LA: The Movie".

Keywords:

Animation; Terrain-Modeling; Fly-By

NCGIA Curriculum Modules:

N, K

Ref: Hussey, K.J., J.R. Hall and R.A. Mortensen. 1986. "Image processing methods in two and three dimensions used to animate remotely sensed data", *Proceedings of IGARSS'86*, Vol. 2 Sept 8-11, Zurich, Switzerland, ESA publication SP-254, pp. 771-776.

Global Data and the Animation of Vegetation Production

Date:

Format: VHS

Length: 10-20 min

Copyright: yes

Purchase: \$15.00

Rental: no

Academic Discount: no

Copying: no

Shipping: \$3.95

Source: The Open GRASS Foundation
Center for Remote Sensing
Boston University
725 Commonwealth Ave.
Boston, MA 02215
Tele: (617) 353-5642
e-mail (INTERNET): dschell@zorro.cecer.army.mil

Format: VHS

Copyright: yes

Purchase: no

Rental: \$0.00

Academic Discount: no

Copying: no

Shipping: \$3.95

Source: USA CERL
Attn: GRASS Information Center
P.O. Box 9005
Champaign, IL 61826-9005
Tele: (217) 373-7220
e-mail (INTERNET): brenda@zorro.cecer.army.mil

Description: This video tape, produced by the U.S. Army Corps of Engineers Construction Engineering Research Laboratory (CERL), uses 1980 AVHRR satellite imagery to animate global vegetation productivity. The vegetation productivity sequences were derived from digitized data using tape visuals created with Geographical Resources Analysis Support Systems (GRASS) software. Comparisons of green leaf production data are shown for each week throughout the year at

global and continental scales and the relation of vegetation to global climate patterns and its impacts on agricultural economies are discussed.

Keywords:

AVHRR; Remote-Sensing; GRASS; Vegetation

NCGIA Curriculum Modules:

N, S

Reference: SIGGRAPH Video Review Listing, *Computer Graphics*, 24:3, 1990, pp. 129-135. Possibly the same as *Northern Great Plains Video*.

NCSA Scientific Visualizations Vol. 1

Date: 1990

Format: VHS (NTSC)

Length: 60 min

Copyright:

Purchase: \$20.00 or \$25.00?

Source: Media Magic

P.O.Box 507

Nicasio, CA 94946

Tele: (800) 882-8284 (orders)

(415) 662-2426 (inquiries)

Fax orders: (415) 662-2225

Description: A number of scientific visualization projects undertaken by the National Center for Supercomputing Applications. The projects include: "Study of a numerically modeled severe storm", "Computer simulation of the global climatic effects of increased greenhouse gases", "Landscape dynamics of Yellowstone National Park: The role of fire 1690-1990", "Smog: visualizing the components", "Numerical relativity: black hole space times", "Dynamics of hydrogen atoms with a nickel surface", "Scientific visualization highlights: 1987-1988".

Keywords:

Animation; Climate; Fire; Atmospheric-Modeling

NCGIA Curriculum Modules:

N

Reference: Kovacic, D.A., Craig, A., Pattenson, R., Romme, W.H. and D.G.

Despain, 1990 "Fire Dynamics in the Yellowstone landscape from 1690-1990: An animation", *Proceedings: Resource Technology '90*, November 12-15, Washington, D.C., pp. 1-9

NCSA Scientific Visualizations Vol. 2

Date: 1990

Format: VHS (NTSC)

Length: 60 min

Copyright:

Purchase: \$20.00 or \$25.00

Source: Media Magic

P.O.Box 507

Nicasio, CA 94946

Tele: (800) 882-8284 (orders)

(415) 662-2426 (inquiries)

Fax orders: (415) 662-2225

Description: A number of scientific visualization projects undertaken by the National Center for Supercomputing Applications. The projects include: "Model of an expanding (closed) universe", "Time dependent behavior of simple dynamic systems - the pendulum movie", "Maize growth development", "Simulation and visualization in the cardiovascular system", "Visualization idioms", "Tensor fields in dynamic fracture mechanics".

Keywords:

Animation

NCGIA Curriculum Modules:

N, K, G

NCSA Visualization SIGGRAPH Sampler

Date: 1991

Format: VHS (NTSC)

Length: 25 min

Copyright:

Purchase: \$40.00

Source: Attention: Documentation Order

University of Illinois at Urbana-Champaign

605 East Springfield Avenue

Champaign, IL 61820

Description: Contains a variety of scientific visualizations that were produced by the NCSA Visualization Group. They include: "Project Sci-Vi", 1987 "Scientific visualization", 1988 "Study of a numerically modeled severe storm", "Smog: visualizing the components", "Landscape dynamics of Yellowstone Park: The role of fire 1690 to 1990", "Computational quantum chemistry in catalysis research", "Time-dependent behavior of a simple dynamical system".

Keywords:

Animation; Climate; Fire; Atmospheric-Modeling

NCGIA Curriculum Modules:

N, K, G

Northern Great Plains Video

Date: 1990

Format: VHS (NTSC)

Length: 6 min

Copyright:

Purchase: No Charge - Provide a Blank Video tape

Source: attn Jeff Eidenshink

EROS Data Center

Sioux Falls, South Dakota 57198

Tele: (605) 594-6028

Description: Depicts an animated sequence of greenness change over the 1987 and 1988 growing seasons in the northern Great Plains of the United States. Vegetation index images from the NOAA-9 Advanced Very High Resolution Radiometer (AVHRR) satellite are animated. The effects of drought and land cover change are discussed and illustrated.

Keywords:

Animation; Vegetation; AVHRR; Remote-Sensing

NCGIA Curriculum Modules:

N, S, O, P

Possibly the same as *Global Data and the Animation of Vegetation Production*.

SDSC Scientific Visualization Vol 1

Date: 1991

Format: VHS

Length: 30 min

Copyright:

Purchase: \$20.00

Source: Media Magic

P.O. Box 507

Nicasio, CA 94946

Tele: (800) 882-8284 (orders)

(415) 662-2426 (inquiries)

Fax orders: (415) 662-2225

Description: A collection of computer visualizations produced at the San Diego Supercomputer Center's Advanced Scientific Visualization Laboratory. Following a brief overview of SDSC, the following

projects are demonstrated: “Numerical simulations of cosmic jets”, “Formation of the solar system”, “Modeling electromagnetic fields in a 3-D Earth”, “Simulation of petroleum reservoir properties”, “Molecular dynamics simulation of atomic force microscope”, “Modeling the circulation, salinity and tides of the San Francisco Bay”.

Keywords:

Animation; Simulation; 3D-Modeling; Geology

NCGIA Curriculum Modules:

N, K

Satellite Imaging, Volume 1

Date: 1989

Format: VHS

Length: 20 min

Copyright:

Purchase: \$20.00

Source: Media Magic

P.O.Box 507

Nicasio, CA 94946

Tele: (800) 882-8284 (orders)

(415) 662-2426 (inquiries)

Fax orders: (415) 662-2225

Description: This video, produced at the NASA Jet Propulsion Laboratory, consists of four segments each illustrating an animated three-dimensional “fly over” of the surfaces of the Earth, Mars, Miranda and the Los Angeles basin. These three-dimensional animations were produced from satellite and spacecraft imagery. The segments are entitled “Earth: The Movie”, “Mars: The Movie”, “Miranda: The Movie”, “LA: The Movie”.

Keywords:

Animation; Terrain-Modeling; Remote-Sensing; Fly-By

NCGIA Curriculum Modules:

N

Satellite Imaging, Volume 2

Date: 1991

Format: VHS

Length: 20 min

Copyright:

Purchase: \$20.00

Source: Media Magic
P.O.Box 507
Nicasio, CA 94946
Tele: (800) 882-8284 (orders)
(415) 662-2426 (inquiries)
Fax orders: (415) 662-2225

Description: This video, produced at the NASA Jet Propulsion Laboratory, includes three animated sequences of digital imagery from planetary spacecraft. These include a view of the surface of Venus from the Magellan spacecraft, an Earth rotation sequence as seen from the Galileo spacecraft and a sequence from Voyager 2's close encounter with Neptune and its satellites.

Keywords:

Animation; Remote-Sensing; Terrain-Modeling

NCGIA Curriculum Modules:

N

The Dynamic Image: Pioneering Computer Graphics at the University of Toronto, 1967-1987, a Retrospective

Date: 1987

Format: VHS (NTSC or PAL)

Length: 53 min

Copyright:

Purchase: \$125.00 / \$10.00

Source: Morgan Kaufmann Publishers
2929 Campus Drive, Suite 260
San Mateo, CA 94403
Tele: (800) 745-7323 (orders)
(415) 578-9911 (inquiries)
Fax orders: (415) 578-0672

Description: This video is a historical compilation of work by the students, faculty, staff and alumni of the University of Toronto illustrating advances in human-computer interface design and the production of realistic computer-generated graphical imagery.

Keywords:

Animation; User-Interface; History

NCGIA Curriculum Modules:

N

Ref: Danahy, J.W. 1987, "Sophisticated image rendering in environmental design review", *Conference Proceedings, Human Factors in Computing Systems and Graphics Interfaces*, April 5-9, Toronto, Ontario, pp. 211-218 and see NCGIA 91-21

Understanding Complex Data with Computer Animation

Date: 1991

Format: VHS

Length: 79 min

Copyright:

Purchase: \$41.00

Source: Media Magic

P.O.Box 507

Nicasio, CA 94946

Tele: (800) 882-8284 (orders)

(415) 662-2426 (inquiries)

Fax orders: (415) 662-2225

Description: This video complements the papers on visual interpretation of complex data that appear in *IBM Journal of Research and Development*, vol. 35:1/2 (January/March 1991). Of particular relevance is the demonstration of the importance of data visualization for analyzing large scientific data sets.

Keywords:

Animation

NCGIA Curriculum Modules:

N, F

Reference: Treinish, L.A. and C. Goettsche. 1991. "Correlative visualization techniques for multidimensional data", *IBM Journal of Research and Development*, 35:1/2, pp. 184-204.

Videography & GIS or New Tools for GRASS Users

Date: 1992

Format: VHS

Length: 16 min

Copyright: yes

Purchase: no

Rental: \$0.00

Academic Discount: no

Copying: no

Shipping: \$3.95

Source: USA CERL

Attn: GRASS Information Center

P.O. Box 9005

Champaign, IL 61826-9005

Tele: (217) 373-7220

e-mail (INTERNET): brenda@zorro.cecer.army.mil

Format: VHS
Copyright: yes
Purchase: \$15.00
Rental: no
Academic Discount: no
Copying: no
Shipping: \$3.95
Source: The Open GRASS Foundation
Center for Remote Sensing
Boston University
725 Commonwealth Ave.
Boston, MA 02215
Tele: (617) 353-5642
e-mail (INTERNET): dschell@zorro.cecer.army.mil

Description: The U.S. Army Corps of Engineers Construction Engineering Research Laboratory (CERL) produced this video to demonstrate the integration of computer tools for large-scale visual impact simulation. Personnel from CERL and the Argonne National Laboratories have developed a program which combines GRASS computer data with data from other sources such as satellite images and live video. The resulting interface of graphics and data visualization allows the communication of complex analyses to a wide range of audiences. Before-and-after visual simulations of the landscape are demonstrated through a videographic overlay process that can depict plant improvements, elevations, roads, plan views, etc.

Keywords:

GRASS; Videography; Remote-Sensing; Terrain-Modeling

NCGIA Curriculum Modules:

N, F, K, O

Visualization in Scientific Computing

Date: 1990
Format: VHS (NTSC)
Length: 120 min
Copyright:
Purchase: \$134.50 Non-Members - \$49.50 Members
Source: IEEE Computer Society Press
10662 Los Vaqueros Circle
P.O. Box 3014
Los Alamitos, CA 90720-1264
Tele: (800) 272-6657
(714) 821-8380

Description: This video complements the book by the same name. Most of the chapters are presented in the video by their authors.

Keywords:

Animation

NCGIA Curriculum Modules:

N, K

Reference: Nielson, G.M. and B. Shriver (eds) 1990. *Visualization in Scientific Computing*. IEEE Computer Society Press, Las Alamitos, California.

Yosemite National Park: A New Perspective

Code: VHS #87

Date: 1989

Format: VHS (NTSC)

Length: 5 min

Copyright:

Purchase: No Charge for Borrowing - 2 weeks

Source: U.S. Geological Survey Library
Special Collections MS 955
345 Middlefield Road
Menlo Park, CA 94025
Tele: (415) 329-5009

Description: Contains an animated three-dimensional "fly through" of Yosemite National Park produced from stereo SPOT satellite imagery and conventional aerial stereo photography.

Keywords:

Fly-By; Remote-Sensing; SPOT; Terrain-Modeling; Animation

NCGIA Curriculum Modules:

N, O, C

Reference: Fequay, J.W., J.M. Thormodsgard and G.G. Kelly, 1989, "Yosemite National Park: a new perspective", *Technical Papers: ASPRS/ACSM Proceedings 1989*, 2 Image and Data Processing, pp. 80-87.

- STATISTICAL ANALYSIS

An Introduction to Intelligent Data Analysis

Date:

Format: VHS (NTSC)

Length: 15 min

Copyright:

Purchase: \$0.00

Source: Statistical Sciences, Inc.

1700 Westlake Ave. N. Suite 500

Seattle, WA 98109

E-mail: mktg@statsci.com

Tele: (206) 283-8802

Fax: (206) 283-8691

Description: Demonstrates the importance of modern, advanced analysis methods useful when examining and building conclusions from complex data sets. The video illustrates how to perform an interactive analysis of data using an object-oriented data analysis language with graphical displays. Starting with classic linear regression, it goes on to show how one can draw better conclusions by visually examining data and considering newer methodologies. Also highlighted is dynamic, 3-dimensional data visualization and several examples of robust methods.

Keywords:

Statistics; Animation; Analysis

NCGIA Curriculum Modules:

F, G, P

GIS APPLICATIONS AND CONTEXT

A Better Way

Code: Video #251

Date:

Format:

Length: 11 min

Copyright: yes

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida

Technology Transfer Center

512 Weil Hall

Gainesville, FL 32611

Tele: (904) 392-0378

(800) 226-1013

Description: Describes the implementation of a pilot GIS program for the city of Newport Beach, California. The difficulties inherent in the old paper-based system of record-keeping are described. The needs for and the benefits of an automated system are presented through a variety of interviews and examples from different departments of the city. The development of a pilot system is described, including the difficulty involved in converting records from a coordinate system inherited from the Spanish land-grant system.

Keywords:

Newport Beach; Urban; Benefits; Needs

NCGIA Curriculum Modules:

O, Q

Assumed to be also known as *Geobase: A Better Way*.

Applications of Geographic Information Systems to Basin Characterization: Case Study for the San Juan Basin, New Mexico

Code: USGS Open-File Report 90-275

Date: 1990

Format: VHS (NTSC)

Length: 20 min

Copyright:

Purchase: \$20.00

Source: Earth Science Information Center - Open Files

Box 25286 Federal Center

Denver, CO 80225

Code: USGS Open-File Report 90-0275
Format: VHS
Copyright:
Purchase:
Rental: No charge for Borrowing 2 Weeks
Source: Mike Moore
U.S. Geological Survey Library
Special Collections MS 955
345 Middlefield Road
Menlo Park, CA 94025
Tele: (415) 329-5009

Description: Demonstrates the application of geographic information techniques to geologic basin characterization using the San Juan, New Mexico basin as a case study.

Keywords:
Terrain-Modeling; Geology
NCGIA Curriculum Modules:
O

Better Tools for Land Management

Code: Video #252
Date: 1989
Format:
Length: 14 min
Copyright: yes
Purchase: Not for sale
Rental: free (14 day loan) + cost to return
Academic Discount: no
Copying: yes
Shipping: none to obtain, actual cost to return
Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0378
(800) 226-1013

Description:
Keywords:
NCGIA Curriculum Modules:

CAGIS: The Cincinnati Story

Date:

Format: VHS

Length:

Copyright:

Purchase: \$24.00

Source: A-E-C Automation Newsletter
462 Via del Norte
Oceanside, CA 92054-1233
Tele: (619) 433-8189

Description:

Keywords:

Cincinnati; CAGIS; Urban

NCGIA Curriculum Modules:

O, Q

See also, *Infrastructure Management for the 21st Century - The Cincinnati Area Geographic Information System.*

Colorado Springs Dept. of Utilities FIMS Video

Date:

Format:

Length: 9 min

Copyright:

Purchase: not available for purchase

Source: FIM Chairperson,
Colorado Springs Utilities District, PlanGraphics/Cinematictech
P.O.Box 1103
Colorado Springs CO 80947

Description: Presents an overview of the need that the Colorado Springs Department of Utilities has for an automated facilities information management system.

Keywords:

FIMS; Colorado Springs; Needs

NCGIA Curriculum Modules:

O, Q

Community Benefit of Digital Spatial Information

Date:

Format: VHS or BETA (NTSC or PAL)

Length: 18 min

Copyright: yes

Purchase: \$100.00 U.S.

Rental: none

Academic Discount: no

Copying: no

Shipping: \$5.00 or \$8.00 U.S

Source: VIAK A/S, Longum Park

Po. Box 1699 Myrene

N-4801 Arendal

NORWAY

Tele: 47-41-35-500

47-41-23-280

Description: This video was produced by two joint Nordic projects after a 6 year (1985-1990) study into the social benefits of digital spatial information conducted to develop guidelines for GIS implementation. The objective of the video is to present some of the economic and social benefits of using computerized geographic information systems, rather than explain GIS principles. A wide variety of applications in Scandinavia are used to illustrate this theme.

Keywords:

Scandinavia; Benefits; Needs

NCGIA Curriculum Modules:

Q, O, S

Reference: *Digital map bases: Economics and use experiences in North America. Report 3 of the Joint Nordic Project on community benefit of digital spatial information.* 1987.

Corporate Emergency Management

Date: 1991

Format: VHS

Length:

Copyright:

Purchase: \$25.00

Source: Research Alternatives, Inc.

966 Hungerford Drive, Suite 1

Rockville, Maryland 20850

Tele: (800) 999-5009

(301) 424-2803

Description: Discusses applications of the Emergency Information System, a special purpose decision support system for environmental emergency management. This includes a number of mapping capabilities. A variety of books, guides, reports and demonstration disks on the topic of emergency information systems are also available from Research Alternatives, Inc.

Keywords:

SDSS; Emergency-Response

NCGIA Curriculum Modules:

P, O

Dispatch Management Systems: Technology to Manage Emergencies - An Overview

Code: DDV100017

Date:

Format: VHS (NTSC)

Length: 12:41 min

Copyright: yes

Purchase: no

Rental: no

Academic Discount: no

Copying: no

Shipping: no

Source: David Joffrion or Sarah Hacker

Intergraph Corporation

Huntsville, AL 35894-0001

Mailstop IW17B6

Tele: (205) 730-2000

Description: Illustrates Intergraph's approach to Computer-Assisted Dispatching (CAD) - presenting crucial information graphically to the dispatcher. Customers explain what their needs for CAD are, and discuss how Intergraph's integration of intelligent mapping into the dispatching process helps them in planning, analyzing and managing their public safety response.

Keywords:

Intergraph; SDSS; Emergency-Response; Urban; Benefits; Needs

NCGIA Curriculum Modules:

P, O, G, Q

Down to Earth

Date: 1989

Format: VHS

Length:

Copyright:

Purchase: \$50.00 AUS

Source: NSW Film and Television Office
(Government Documentary Division)
Box 1744 G.P.O.
Sydney, N.S.W. 2001
AUSTRALIA
Tele: 02-281-8710
Fax: 02-281-8710

Description: Sponsored by the Australian Land Information Council to promote an awareness of land information systems in general and to highlight the New South Wales Land Information System in particular. The video is intended to inform a general audience about the benefits of land information systems. It includes a discussion of LIS development and explores the complexity of maintaining and accessing land records.

Keywords:

Australia; LIS; Benefits; Requirements

NCGIA Curriculum Modules:

O, Q

Emergency Information System in Action Video Highlights

Date: 1992

Format: VHS

Length:

Copyright:

Purchase: \$25.00

Source: Research Alternatives, Inc.
966 Hungerford Drive, Suite 1
Rockville, Maryland 20850
Tele: (800) 999-5009
(301) 424-2803

Description: This video illustrates a number of applications of the Emergency Information System, a special-purpose decision support system for environmental emergency management that also can be seen in the video "Corporate Emergency Management".

Keywords:

SDSS; Emergency-Response

NCGIA Curriculum Modules:

P, O, G

Facilities Information Management Systems (FIMS)

Date: 1987

Format:

Length: 15 min

Copyright:

Purchase: ?

Source: FIM Chairperson,
Colorado Springs Utilities District, PlanGraphics/Cinematictech
P.O.Box 1103
Colorado Springs CO 80947

Description: Describes a FIMS GIS project that focuses on water, waste water, natural gas, and electric requirements. The tape combines a series of action scenes showing current modes of operation and GIS alternatives. A description of GIS hardware, software, and data requirements is presented. In addition to applications, cost justification is discussed.

Keywords:

FIMS; Definition; Cost-Benefit

NCGIA Curriculum Modules:

Q, A

GEOMAX1 and GEOMAX2

Date: 1987

Format: VHS

Length: 20 I and 17 II min

Copyright:

Purchase: available for copying only

Source: GEOMAX Project Leader
Alachua County Florida
26 NE 1st Street
Gainesville, FL 32602
Tele: (905) 338-7300

Format: VHS

Copyright:

Purchase: available for copying only

Source: Geo-facilities Planning and Information Center
Dept of Urban and Regional Planning
College of Architecture
University of Florida
Gainesville, FL 32611

Description: These two video clips (on one tape) describe the GEOMAX GIS project undertaken jointly by utilities, property tax appraiser, and Planning and Public Works in Alachua County. These tapes are people-oriented in that the Alachua County "story" is told by the creators and users of the GIS technology currently being implemented. Workstation hardware, GIS functions, and benefits are described, with emphasis placed on the importance of the database. This tape offers a "real-world" look at what it takes to implement and live with a GIS.

Keywords:

Geomax; Urban; Benefits; Implementation

NCGIA Curriculum Modules:

O, Q, R

Geobase: A Better way

Date: 1988

Format: VHS (NTSC)

Length:

Copyright:

Purchase: \$0.00

Rental: \$0.00

Academic Discount: no

Shipping: none

Source: Genasys

2629 Redwing Road, Suite 330

Fort Collins, Colorado 80526

Tele: (303) 226-3283

Description: Describes the implementation of a pilot GIS program for the city of Newport Beach, California. The difficulties inherent in the old paper-based system of record-keeping are described. The needs for and the benefits of an automated system are presented through a variety of interviews and examples from different departments of the city. The development of a pilot system is described, including the difficulty involved in converting records from a coordinate system inherited from the Spanish land-grant system.

Keywords:

Newport Beach; Urban; Benefits; Needs

NCGIA Curriculum Modules:

O, Q

Assumed to be also known as *A Better Way*.

GIS and the National Park Service

Date: 1987

Format: VHS or BETA (NTSC)

Length: 25 min

Copyright:

Purchase: No Charge for Borrowing

Source: National Park Service

Geographic Information Systems, Denver Service Center

P.O. Box 25287

Denver CO 80225-0287

Tele: (303) 236-7939

Description: Portrays a scene in a Park Service site office and problems typically encountered when using a paper map system. The following topics are then developed: (1) Major tasks/applications provided by the Park Service; (2) GIS features; (3) GIS data requirements; (4) Benefits of implementing a GIS. After the initial problem scenario, the tape progresses with a combination of stand-up presentation and graphic visuals. This tape offers a contrast of problems, issues, and benefits between a manual system and a GIS implementation. Basic GIS concepts and functions are also explained.

Keywords:

NPS; Needs; Definition; Benefits; Resource-Management

NCGIA Curriculum Modules:

O, R, A, Q

or *Geographic Information Systems in the National Park Service*.

GIS in Qatar, Blending Old World Customs with New Technology

Date:

Format: VHS (NTSC or PAL)

Length: 18 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: .Karen Hunter
Environmental Systems Research Institute, Inc.
380 New York Street
Redlands, CA 92373
Tele: (714) 793-2853 (ex 1582)
Fax: (909) 793-5953

Description: Describes the implementation of a nationwide GIS in Qatar.
Discusses the various stages undertaken by Qatar during implementation
and highlights the challenges of implementing a GIS in a country with
customs dating back thousands of years.

Keywords:

Qatar; ESRI; ARC/INFO; Implementation; Context

NCGIA Curriculum Modules:

O, A

GRID-Arendal

Date:

Format: VHS (NTSC, PAL and SECAM)

Length:

Copyright: yes

Purchase: ?

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: T.K - Seneret, Longum Park
P.O. Box 1602, Myrene
N-4801 Arendal
NORWAY

Tele: +47-41-35500

+47-41-35650

+47-41-35050

Description: This video was produced by GRID-Arendal to introduce the
facility, its operation and mission. Arendal is one of the current 5 major
GRID-centres. GRID, or Global Resource Information Database, has a
double mission: to help bridge the gap between the scientific
understanding of earth processes by providing up-to-date reliable
georeferenced information and to help train people in developing nation
to use GIS. The focus of this video is on the need for global geographic
and environmental information and GRID-Arendal's efforts in that
direction. An unusually strong emphasis is placed on the organizational
infrastructure of such a large-scale effort.

Keywords:

GRID; Arendal; Environmental-Modeling; Context; Integration

NCGIA Curriculum Modules:

Q, S, R, O

Geo-Based Mapping

Date: 1986

Format:

Length: 21 min

Copyright:

Purchase:

Source:

Description: This TV documentary about Santa Ana's GIS includes interviews with civic employees and skits to explain uses of GIS. Explains how records are currently maintained and how the GIS will improve city operations.

Keywords:

Santa Ana; Needs; Urban

NCGIA Curriculum Modules:

O, A

No longer available through the City of Santa Ana. See also, *Santa Ana's Geo-Based Mapping System - Programmed for Success*.

Handling Geographic Information

Date:

Format: VHS (PAL)

Length: 16 min

Copyright:

Purchase: 50.25 £

Source: Chris Holland

ICL (International Computer Limited)

322 Eutson Road

London, NW1 3BJ

ENGLAND

Format: VHS (PAL)

Copyright:

Purchase: No Charge for Borrowing

Source: The Barry Wiles Film and Video Library
London Road Training (Trading?) Estate
Sittingbourne, Kent ME10 1NQ,
U.K.
Tele: 0795 25816

Description: Highlights the benefits of using a GIS by focusing upon eight different applications in the United Kingdom. The emphasis is on case studies in both the private and public sector rather than on geographic information systems per se. It includes eight interviews explaining geographic information and GIS from various points of view, discusses the concept of shared data and covers applications in the areas of environment/natural resources, utilities, planning and marketing.

Keywords:

U.K.; Benefits; Definition; Chorley Report

NCGIA Curriculum Modules:

Q, S, O, A

or Handling Geographical Information & the Chorley Report.

IMAGIS: New Visions in Progressive Infrastructure Management

Code: Video #257

Date:

Format:

Length: 12 min

Copyright:

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0278
(800) 226-1013

Description:

Keywords:

Urban; Indianapolis; IMAGIS

NCGIA Curriculum Modules:

A, F, O

See also *Indianapolis Mapping and Geographic Information System (IMAGIS)* and
Orientation to IMAGIS.

In Roads Transportation Design

Date: 1988

Format:

Length: 8:20 min

Copyright:

Purchase: \$0.00

Source: Intergraph Direct Marketing
Huntsville, AL 35894-0001
Tele: (800) 826-3515

Description: Illustrates how interactive engineering design and graphics techniques streamline the corridor design workflow. Highlighted capabilities include: data collection, terrain modeling, analysis, and design, horizontal and vertical alignment design, storm drainage design, earthworks volume.

Keywords:

Transportation; Urban; Terrain-Modeling

NCGIA Curriculum Modules:

O, P, K

Indianapolis Mapping and Geographic Infrastructure System (IMAGIS)

Date: 1986

Format: VHS (NTSC, PAL available upon request)

Length: 32 min

Copyright:

Purchase: \$24.00 / \$24.95

Source: A-E-C Automation Newsletter
462 Via del Norte
Oceanside, CA 92054-1233
Tele: (619) 433-8189

Format: VHS (NTSC, PAL available upon request)

Copyright:

Purchase: \$24.00 / \$24.95

Source: Utility Graphics Consultants (UGC)
6200 South Syracuse Way, Suite 222
Englewood, CO 80111
Tele: (303) 773-6166

Description: Describes the IMAGIS GIS project undertaken jointly by 28 participants from the city of Indianapolis, Marion County, and surrounding communities. Expected benefits are described along with statements of commitment by several of the participant members. Also covered is a two-phase approach including 19 tasks that comprise the entire project life cycle. This tape provides a step-by-step structure defining the project management tasks required from concept to implementation of a GIS in a multi-organizational project environment.

Keywords:

Indianapolis; IMAGIS; Urban; Benefits; Implementation; Context

NCGIA Curriculum Modules:

Q, O, R

See also, *IMAGIS: New Visions in Progressive Infrastructure Management* and *Orientation to IMAGIS*.

Infrastructure Management for the 21st Century

Code: Video #258

Date:

Format:

Length:

Copyright:

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0278
(800) 226-1013

Description:

Keywords:

Urban; Benefits; Context; Implementation

NCGIA Curriculum Modules:

A, Q, O, R

Probably the same as *Infrastructure Management for the 21st Century - The Cincinnati Area Information System*. See also *CAGIS: The Cincinnati Story*.

Infrastructure Management for the 21st Century - The Cincinnati Area Geographic Information System

Date: 1988

Format:

Length: 19 min

Copyright:

Purchase: \$35.00

Source: Ginger Juhl

Utility Graphics Consultants

6200 S. Syracuse Way, Suite 222

Englewood, CO 80111

Tele: (303) 773-6166

Description: Discusses the CAGIS GIS project in Cincinnati, Ohio. It was produced by the GIS Project Team to provide an understanding of project objectives, set forth project planning and implementation objectives and phases and to help build consensus among project participants which included representatives from both public and private sector agencies. The tape is intended to help the viewer understand factors guiding the success of a GIS project and provide helpful guidelines for project planning and implementation.

Keywords:

Cincinnati; CAGIS; Urban; Benefits; Context; Implementation

NCGIA Curriculum Modules:

Q, O, R

Probably the same as *Infrastructure Management for the 21st Century*. See also *CAGIS: The Cincinnati Story*.

Japan Land Planning

Date: 1992

Format: VHS (NTSC)

Length: 20 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: Karen Hunter

Environmental Systems Research Institute, Inc.

380 New York Street

Redlands, CA 92373

Tele: (714) 793-2853 (ex 1582)

Fax: (909) 793-5953

Description: Describes a series of land planning projects performed by ESRI to plan retirement communities in various areas of Japan. The projects

used GIS to determine the optimum locations for these communities to provide road access, views from homes on hillsides, and proximity to various facilities such as hospitals. The project also took into account environmental factors that would result from the construction of these communities, such as soil erosion.

Keywords:

Japan; ESRI; ARC/INFO; Urban

NCGIA Curriculum Modules:

O, A

LRIS: A Network of Opportunities

Date: 1987

Format: VHS

Length: 29 min

Copyright:

Purchase: \$25.00 CDN

Source: MAPS ALBERTA

Alberta Forestry, Lands & Wildlife

2nd Floor, Petroleum Plaza North

9945-108 Street

Edmonton, Alberta T5K 2G6

CANADA

Tele: (403) 427-3520

Format: VHS

Copyright:

Purchase: \$25.00 CDN

Source: LRIS (Land Related Information Services)

Third Floor

10009 108 Street; Edmonton, Alberta, T5J 3C5

CANADA

Tele: (403) 422-1413

Description: Discusses the province of Alberta's land information system.

Uses a series of interviews to explain the basis and components of the proposed LRIS Network. Presents a management point of view of the system, provided by senior government and private sector officials.

Keywords:

Canada; LIS; Definition; Management; LRIS

NCGIA Curriculum Modules:

O, Q

Land Records Modernization: Issues, Applications and Recommendations

Code: Rental #11301

Date:

Format: VHS (NTSC)

Length: 40 min

Copyright: yes

Purchase: \$30.00

Rental: \$7.00 (up to 5 day use, plus UPS shipping charges)

Academic Discount: NET

Shipping: included in sale price, UPS shipping charges

Source: Bureau of Audio Visual Instruction
University of Wisconsin-Extension
P.O. Box 2093
Madison, WI 53701-2093
Tele: (608) 262-1644
1-800 362-6888
Fax: (608) 262-7568

Description: Discusses land records and their modernization. Ten basic questions concerning this topic are addressed using a section of land in Dane County, Wisconsin as an example. This presentation should be of interest to those who administer, oversee, or are responsible for collecting, managing, and using land records for private and public use, for citizens who develop or manage property, and for those concerned with land stewardship. A written script accompanies the video and includes additional illustrations and references. A slide/tape version of the land records video is available for \$80.00 through BAVI. Contact BAVI for further information.

Keywords:

Land-Records; Wisconsin; Urban; Introduction; Definition

NCGIA Curriculum Modules:

O, Q, A

Mapping the Future: Canada's Excellence in GIS

Date: 1990

Format: VHS

Length: 8 min

Copyright:

Purchase: \$12.50 CDN

Source: Canada Map Office
615 Booth Street
Ottawa, Ontario K1A 0E9
CANADA
Tele: (613) 952-7000

Description: Highlights some of the GIS-related activities with which the Canadian Department of Energy, Mines and Resources is involved.

Keywords:

Canada; Resource-Management

NCGIA Curriculum Modules:

S, O

Ontario: Progress Through Technology

Date:

Format: VHS (NTSC)

Length: 26 min

Copyright:

Purchase: Reproduction and Shipping Costs - No Charge for Borrowing

Source: Geographical Information Services,
Surveys, Mapping and Remote Sensing Branch,
Ministry of Natural Resources,
90 Sheppard Avenue East,
North York, Ontario M2N 3A1
CANADA
Tele: (416) 733-5086

Description: A description of the history and evolution of land-based information resources in the Province of Ontario, Canada in a series of four videotape segments. Current developments in geo-referenced information systems are examined in the last two of the segments. The intent of this video is something other than the explanation of fundamental GIS concepts.

Keywords:

Canada; LIS

NCGIA Curriculum Modules:

O, G

Orientation to IMAGIS

Date:

Format:

Length: 29 min

Copyright:

Purchase: \$35.00

Source: Ginger Juhl

Utility Graphics Consultants

6200 S. Syracuse Way, Suite 222

Englewood, CO 80111

Tele: (303) 773-6166

Description: Produced by GIS Project Team to provide an understanding of project objectives, set forth planning and implementation objectives and phases, and to help build consensus among project participants which included representatives from both public and private sector agencies. The tape is intended to help the viewer understand factors underlying the success of a GIS project and provide helpful guides for project planning and implementation.

Keywords:

Indianapolis; IMAGIS; Implementation; Benefits

NCGIA Curriculum Modules:

Q, R

See also, *IMAGIS: New Visions in Progressive Infrastructure Management* and *Indianapolis Mapping and Geographic Infrastructure System (IMAGIS)*.

Project ORPHEUS

Date:

Format: VHS

Length: 18 min

Copyright:

Purchase: \$25.65

Source: Prime Computer, Inc.

Prime Telemarketing

Prime Park, MS 15-74

Natick, Massachusetts 01760

Tele: (508) 655-8000

Description: The activities of Project ORPHEUS, of which Prime Computer was a sponsor, are described in this video. The project examined how data from a variety of sources including GIS, CAD, remote sensing, civil engineering and surface modeling software tools could be applied together in locating a hypothetical research and development facility in Illinois. An interview with Dana Tomlin is also featured.

Keywords:

ORPHEUS; Terrain-Modeling; Urban; Remote-Sensing

NCGIA Curriculum Modules:

C, A, P, K

Road Traffic in the Information Age

Date:

Format: VHS (NTSC or PAL)

Length: 20 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: .Karen Hunter

Environmental Systems Research Institute, Inc.

380 New York Street

Redlands, CA 92373

Tele: (714) 793-2853 (ex 1582)

Fax: (909) 793-5953

Description: Describes how ARC/INFO software was used by a Dutch planning agency.to manage road traffic in The Netherlands.

Keywords:

ESRI; Urban, ARC/INFO; Transportation; The Netherlands

NCGIA Curriculum Modules:

O, A

Santa Ana's Geo-Based Mapping System - Programmed for Success

Date: 1988

Format:

Length: 15 min

Copyright:

Purchase:

Source:

Description: This is a follow-up to an earlier video, "Geo-Based Mapping".

It provides a basic description of the Geo-based system with an overview discussion of the management reasons for developing the system. Users provide a general overview; middle management presents their views on the uses, benefits and costs.

Keywords:

Santa Ana; Overview; Benefits; Costs; Urban

NCGIA Curriculum Modules:

O, A

No longer available through the City of Santa Ana. See also *Geo-Based Mapping*.

GIS PRINCIPLES

- INTRODUCTORY

Five Parts of A GIS

Series: ARC/INFO Product Videos

Date: 1990

Format: VHS (NTSC or PAL)

Length: 10 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Explains how computerized mapping and database management are brought together to capture, analyze, and manage geographic information. It describes how a good system is built around the essential components of people, procedures, data, hardware, and software. It also takes a look at the kinds of tools needed for meaningful analysis and management of information, and how a careful approach and informed decision making are the first step toward implementing GIS technology.

Keywords:

ARC/INFO; Definition; Requirements; Context; Implementation

NCGIA Curriculum Modules:

A

GIS Today

Date: 1988

Format: VHS (NTSC)

Length: 30 min

Copyright: yes

Purchase: \$90.00 Non-members - \$50.00 Members

Rental: no

Academic Discount: no

Copying: no

Shipping: postpaid in US, foreign orders \$3.00

Source: Diana Vasquez, Fulfillment Manager
Association of American Geographers
1710 16th Street N.W.
Washington, D.C. 20009-3198
Tele: (202) 234-1450
e-mail (BITNET): aag@GWUVM.BITNET

Code: Video #167

Format:

Copyright: yes

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0378
(800) 226-1013

Code: #V2

Format: VHS (NTSC)

Copyright: yes

Purchase: \$90.00 Non-Member - \$50.00 Member

Rental: no

Academic Discount: no

Copying: no

Shipping: 10%

Source: Gail Papa

American Congress on Surveying & Mapping

Communications Department

5410 Grosvenor Lane, Suite 100

Bethesda, Maryland 20814

Tele: (301) 493-0200

Fax: (301) 493-8245

Description: Presents a broad overview of current GIS topics of interest. The setting is the San Antonio GIS/LIS '88. A narrator covers five topics by interviewing people representing the GIS vendor community, educational institutions, and end-users. Topics covered are (1) Defining GIS, (2) Training requirements, (3) the NCGIA mission, (4) Artificial Intelligence/Expert Systems, and (5) the local government user. The focus is on personal perspectives; little time is devoted to the GIS technology itself, or the problems being addressed by this technology. There is also a discussion regarding problems encountered by organizations (structure, policy, procedures) attempting to install GIS technology.

Keywords:

GIS/LIS '88; Overview; Definition; Implementation

NCGIA Curriculum Modules:

A, Q

GIS in Transportation / Atlanta AASHTO

Date: 1988

Format:

Length: 2 hours

Copyright:

Purchase: Free with Blank video

Source: Mr. Myron Bacon

P.O.Box 7916

4802 Sheboygan

Madison, WI 53707

Tele: (608) 266-2392

Description: Video of AASHTO meeting. Presentations covered a management overview of GIS and the future direction of GIS. Also, GIS application to pavement management systems.

Keywords:

AASHTO; Transportation; Trends

NCGIA Curriculum Modules:

Q, G, A

GIS/Computer Aided Mapping

Code: Video #193
Date:
Format:
Length: 90 min
Copyright: yes
Purchase: Not for sale
Rental: free (14 day loan) + cost to return
Academic Discount: no
Copying: yes
Shipping: none to obtain, actual cost to return
Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0278
(800) 226-1013

Description:

Keywords:

Map-Making

NCGIA Curriculum Modules:

A, F

GIS: Government's Information Solution

Date: 1990
Format: VHS (NTSC), 16mm
Length: 17 min
Copyright: yes
Purchase: \$39.00 Non-Members - \$29.00 Members
Rental: no
Academic Discount: no
Copying: no
Shipping: \$5.00 US; \$10.00 outside US
Source: Jesse Winch
URISA
900 Second St., NE
Suite 304
Washington, DC 20002
Tele: (202) 289-1685

Description: Intended to inform audiences, particularly local government officials, who are unfamiliar with geographic information systems about

the use and benefits of these systems. It provides an examination of the benefits and applications of GIS in local government by focusing on successful implementations in cities and counties of different sizes in a variety of locations throughout the United States and Canada. A brochure is included.

Keywords:

Definition; Benefits; Urban

NCGIA Curriculum Modules:

Q, A, O

Probably the same as *Government Information Solution*.

GIS: Man & Nature

Date: 1986

Format:

Length: 16 min

Copyright: Public Domain

Purchase: None

Source: Don Becker

TGS Technology, Inc.

Mundt Federal Building

Sioux Falls, SD 57198

Tele: (605) 594-6175

Code: Video #256

Format:

Copyright: yes

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida

Technology Transfer Center

512 Weil Hall

Gainesville, FL 43611

Tele: (904) 392-0278

(800) 226-1013

Description:

Keywords:

NCGIA Curriculum Modules:

GIS: Man, Nature & Technology

Date: 1988

Format:

Length: 18 min

Copyright: Public Domain

Purchase: None

Source: Don Becker

TGS Technology, Inc.

Mundt Federal Building

Sioux Falls, SD 57198

Tele: (605) 594-6175

Code: Video #255
Format:
Copyright: yes
Purchase: Not for sale
Rental: free (14 day loan) + cost to return
Academic Discount: no
Copying: yes
Shipping: none to obtain, actual cost to return
Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0278
(800) 226-1013

Description: Describes the general nature, value and importance of geographical information in the larger sense, with examples taken from U.S. history. The origins and development of the U.S. Geological Service are presented. Although this video does provide a minimal definition of GIS, describes the digitizing process and illustrates the mapping of tabular and statistical data, the emphasis of this video is on the value of spatial information and analysis, rather than the technology of GIS itself. Examples of many possible applications of such information are presented.

Keywords:
Resource-Management; USGS
NCGIA Curriculum Modules:
A, O

GIS: New Tools for Mineral Assessment

Date:
Format:
Length:
Copyright: Public Domain
Purchase: none
Source: Don Becker
TGS Technology, Inc.
Mundt Federal Building
Sioux Falls, SD 57198
Tele: (605) 594-6175

Description:
Keywords:
NCGIA Curriculum Modules:

GIS: Science, Applications, Coherence - A Historical Keynote Address

Code: GIS-1

Series: GIS/LIS '90

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length: 120 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. The paper presented touches upon: an overview of GIS as the understanding of the evolving geographical structure of human settlement through description and classification, organizing and analyzing data, addressing problems of heterogeneity and diversity to arrive at decisions affecting specific locations; the definition of a digital spatial data language; spatial data modeling; errors associated with GIS; and Decision Support Systems. — John R. Borchert with responses from Stephen C. Guphill, James L. Clapp, F. Larry Stover, R.G. Congalton and Barry S. Wellar.

Keywords:

GIS/LIS '90; History; Trends; SDSS; Overview

NCGIA Curriculum Modules:

A, G, S, M

GIS: Spatial Analysis Tools

Date: 1987

Format:

Length: 16 min

Copyright: Public Domain

Purchase: None

Source: Don Becker

TGS Technology, Inc.
Mundt Federal Building
Sioux Falls, SD 57198
Tele: (605) 594-6175

Code: Video #254
Format:
Copyright: yes
Purchase: Not for sale
Rental: free (14 day loan) + cost to return
Academic Discount: no
Copying: yes
Shipping: none to obtain, actual cost to return
Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0278
(800) 226-1013

Description:
Keywords:
NCGIA Curriculum Modules:
A, F

GIS: The Next Step

Code: Video #141
Date: 1988
Format: VHS (NTSC)
Length: 17 min
Copyright: yes
Purchase: Not for sale
Rental: free (14 day loan) + cost to return
Academic Discount: no
Copying: yes
Shipping: none to obtain, actual cost to return
Source: University of Florida
Technology Transfer Center
512 Weil Hall
Gainesville, FL 32611
Tele: (904) 392-0378
(800) 226-1013

Description: Focuses on how local and state governmental agencies such as a Department of Transportation can use Geographic Information Systems. It provides a definition of GIS, describes how GISs can be used for decision support and provides guidelines on how to make a GIS successful.

Keywords:

Definition; SDSS; Transportation

NCGIA Curriculum Modules:

Q. F. P, A

Government Information Solution

Code: Video #233

Date:

Format:

Length: 10 min

Copyright: yes

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida

Technology Transfer Center

512 Weil Hall

Gainesville, FL 43611

Tele: (904) 392-0278

(800) 226-1013

Description:

Keywords:

Definition; Benefits; Urban

NCGIA Curriculum Modules:

Q, A, O,

Probably the same as *GIS: Government's Information Solution*.

Intelligent Infrastructure - The Movie: A Management View of GIS

Date:

Format: VHS

Length: 15 min

Copyright:

Purchase: \$79.95 Movie - \$49.95 Workbook - \$99.95 for both

Source: Ginger Juhl

Utility Graphics Consultants

6200 S. Syracuse Way, Suite 222

Englewood, CO 80111

Tele: (303) 773-6166

Format: VHS

Copyright:

Purchase: \$79.95

Source: A-E-C Automation Newsletter
462 Via del Norte
Oceanside, CA 92054-1233
Tele: (619) 433-8189

Description: This video is intended to be a management-level overview of geographic information systems. A companion workbook is also available.

Keywords:

Description; Introduction; Urban

NCGIA Curriculum Modules:

Q, A

Introduction to GIS: A Workshop

Code: GIS-10

Series: GIS '91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 390 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS'91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. This workshop is intended to provide application specialists and managers with an exposure to GIS technology and terminology. It is an introductory seminar that emphasizes identifying and clearly illustrating primitive concepts in GIS applications. Topics treated include: the nature of geographic information; fundamental GIS concepts; data input; data storage and retrieval; data manipulation and analysis; data output and display; and assessment, acquisition and implementation. The concepts and technical issues that are reviewed are supplemented with realistic forest management applications.

Keywords:

GIS '91; Definition; Concepts; Analysis; Resource-Management

NCGIA Curriculum Modules:

A, C, F, G

LAS: The Land Analysis System

Code: Video #253

Date:

Format:

Length:

Copyright:

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida

Technology Transfer Center

512 Weil Hall

Gainesville, FL 32611

Tele: (904) 392-0278

(800) 226-1013

Format:

Copyright: Public Domain

Purchase: None

Source: Don Becker

TGS Technology, Inc.

Mundt Federal Building

Sioux Falls, SD 57198

Tele: (605) 594-6175

Description:

Keywords:

LAS

NCGIA Curriculum Modules:

A, F

Land Information System - Queensland

Date: 1985

Format:

Length: 13 min

Copyright:

Purchase:

Source: Dept. of Mapping & Surveying
Sunmap Center
P.O.Box 40
Wooloongabba, Queensland
Australia 4120

Description: Explains land information systems and the use of shared data by using examples, interviews with professionals and skits. Problems with data redundancy and difficulties in dealing with paper maps are noted.

Keywords:

Australia; LIS; Definition; Benefits

NCGIA Curriculum Modules:

Q, A

MAPINFO Desktop Mapping

Date: 1989

Format:

Length:

Copyright: no

Purchase: \$10.00

Source: Rennay Barton
MAPINFO Corp.
200 Broadway
Troy, NY 12180
Tele: (518) 274-8673

Description:

Keywords:

MAPINFO; Map-Making

NCGIA Curriculum Modules:

A, F

Module 1: Basics of Land Records Modernization

Series: Land Records Modernization and GIS Planning

Date: 1991

Format: VHS, 3/4" U-Matic

Length:

Copyright:

Purchase: \$150.00 per tape - \$600.00 per set

Source: See *Land Records Modernization and Geographic Information Systems Planning [SERIES]*.

Description:

Keywords:

Introduction; Overview; Definition

NCGIA Curriculum Modules:

A, P, O, D, F

Module 2: Institutional Issues in Land Records Modernization

Series: Land Records Modernization and GIS Planning

Date: 1991

Format: VHS, 3/4" U-Matic

Length:

Copyright:

Purchase: \$150.00 per tape - \$600.00 per set

Source: See *Land Records Modernization and Geographic Information Systems Planning [SERIES]*

Description:

Keywords:

Context

NCGIA Curriculum Modules:

R, Q

Module 3: Wisconsin Land Information Act

Series: Land Records Modernization and GIS Planning

Date: 1991

Format: VHS, 3/4" U-Matic

Length:

Copyright:

Purchase: \$150.00 per tape - \$600.00 per set

Source: See *Land Records Modernization and Geographic Information Systems Planning [SERIES]*

Description:

Keywords:

Legal Issues; Context

NCGIA Curriculum Modules:

S

Module 4: Geographic Information Systems Terms and Concepts

Series: Land Records Modernization and GIS Planning

Date: 1991

Format: VHS, 3/4" U-Matic

Length:

Copyright:

Purchase: \$150.00 per tape - \$600.00 per set

Source: See *Land Records Modernization and Geographic Information Systems Planning [SERIES]*

Description:

Keywords:

Definition; Introduction; Concepts

NCGIA Curriculum Modules:

A, C, D, F

Module 5: The Implementation Process

Series: Land Records Modernization and GIS Planning

Date: 1991

Format: VHS, 3/4" U-Matic

Length:

Copyright:

Purchase: \$150.00 per tape - \$600.00 per set

Source: See *Land Records Modernization and Geographic Information Systems Planning [SERIES]*

Description:

Keywords:

Implementation

NCGIA Curriculum Modules:

R, P, Q

Redistricting with ARC/INFO

Series: ARC/INFO Product Videos

Date:

Format: VHS (NTSC or PAL)

Length:

Copyright:

Purchase: no charge?

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Provides demonstration of the use of ARC/INFO for redistricting a community following congressional reapportionment. Also provides an illustration of how a GIS can be used for applications related to redistricting such as studying demographic trends in addition to moving boundary lines.

Keywords:

ARC/INFO; Redistricting; Demographics; Political

NCGIA Curriculum Modules:

O, P, F

The GRASS Story

Date:

Format: VHS

Length: 14:21 min

Copyright: yes

Purchase: \$20.00

Rental: no

Academic Discount: no

Copying: no

Shipping: \$3.95

Source: The Open GRASS Foundation

Center for Remote Sensing

Boston University

725 Commonwealth Ave.

Boston, MA 02215

Tele: (617) 353-5642

e-mail (INTERNET): dschell@zorro.cecer.army.mil

Format: VHS

Copyright: yes

Purchase: no

Rental: \$0.00

Academic Discount: no

Copying: no

Shipping: \$3.95

Source: USA CERL

Attn: GRASS Information Center

P.O. Box 9005

Champaign, IL 61826-9005

Tele: (217) 373-7220

e-mail (INTERNET): brenda@zorro.cecer.army.mil

Description: The U.S. Army Corps of Engineers Construction Engineering Research Laboratory (CERL) produced this video to explain basic concepts and potential applications of GIS to land managers at Army installations. The video demonstrates how the consequences of environmental impacts can be integrated into the early phases of planning, resulting in an improvement in the quality of environmental documents and increased objectivity and credibility of the analysis. Although oriented toward the GRASS GIS, which is a general purpose, grid-cell based geographic analysis and modeling package, the presentation of GIS topics is fairly generic.

Keywords:

GRASS; Introduction; Definition; Environmental-Modeling

NCGIA Curriculum Modules:

A, O, B

The New World of Geographic Information Systems

Code: #V1

Date: 1988

Format: VHS (NTSC)

Length: 45 min

Copyright: yes

Purchase: \$90.00 Non-Member, \$50.00 Member

Rental: no

Academic Discount: no

Copying: no

Shipping: 10%

Source: Gail Papa

American Congress on Surveying & Mapping

Communications Department

5410 Grosvenor Lane, Suite 100

Bethesda, Maryland 20814

Tele: (301) 493-0200

Fax: (301) 493-8245

Description: Intended as an introduction to and demonstration of GIS capabilities. Consists partly of vendor demonstrations and interviews with top names in GIS present at the November '87 GIS/LIS meeting in San Francisco. Experts discuss a variety of issues, including: the need for GIS; GIS selection and polygons vs. cell structure; GIS development, upgrade and use including issues such as where and how to obtain already collected data; and the future of GIS technology. Case studies included involve demonstrations of system capabilities and applications for natural resource management .

Keywords:

GIS/LIS '87; Introduction; Raster-Vector; Selection

NCGIA Curriculum Modules:

A, G, Q, C

Probably the same as *The New World of Geographical Information*.

The New World of Geographical Information

Code: Video #111

Date:

Format:

Length:

Copyright:

Purchase: Not for sale

Rental: free (14 day loan) + cost to return

Academic Discount: no

Copying: yes

Shipping: none to obtain, actual cost to return

Source: University of Florida

Technology Transfer Center

512 Weil Hall

Gainesville, FL 32611

Tele: (904) 392-0278

(800) 226-1013

Description:

Keywords:

GIS/LIS '87; Introduction; Selection

NCGIA Curriculum Modules:

A, G

Probably the same as *The New World of Geographic Information Systems*.

USGS National Mapping Division: Preparing for the 21st Century

Code: GIS-2

Series: GIS/LIS '90

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length: 50 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. The paper presented is an overview of the changing role of national mapping agencies: to create, manage, coordinate and distribute digital spatial data; standard setting and enforcement; expansion of research activities in digital cartography, geographic information systems, remote sensing and image processing; the development and enhancement of the National Digital Cartographic Data Base; establishing a Geographic Information infrastructure. — Lowell E. Starr, with response from Bernard J. Niemann Jr.

Keywords:

GIS/LIS '90; Map-Making; Data-Sources; Trends

NCGIA Curriculum Modules:

S, G

- ADVANCED

Airborne Video Applications to Resource Management

Code: GIS-35

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 180 min

Copyright: yes

Purchase:

Rental: no

Academic Discount: \$85.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington D.C. Papers presented are: "Real-Time Differential GPS: An Aerial Survey and Remote Sensing Applications" — Tom Bobbe and Paul Ishikawa; "Applications of Airborne Videography for Agriculture and Range Management" — Jim Everitt and D.E. Escobar; "Airborne Videography Evaluation in New Zealand" — Gordon P. Hosking, John G. Firth and Rod K. Brownlie; "Use of Color Airborne Videography in the U.S. Forest Service" — Richard Myhre; "Comparison of Techniques for Mapping Gypsy Moth Defoliation" — Kristi D. Buffington and Roger M. Hoffer; "Airborne Videography is Support of Bureau Reclamation Projects" — Michael J. Purcherelli, Edmund W. Holroyd III, Kathleen H. Fenton and William P. Goettlicher; "Deriving Detailed Forestry Inventory Data from Aerial Video" — Brian Orland and Kevin W. Warren; "Application of Aerial Videography in the South with emphasis on Southern Pine Beetle" — Bruce T. Silvey.

Keywords:

ISPRS XVII Congress, 1992; Integration; Remote-Sensing; Videography; Mapping

NCGLA Curriculum Modules:

O, F, C, G

Applications of Integrated GIS / Image Analysis Systems

Code: GIS-37

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington D.C. Papers presented are: "Integrated Image Processing / GIS Techniques for Monitoring Aquatic Resources" — Marguerite Remillard; "Remote Sensing and GIS and Contribution for an Environmental Planning Proposal" — Fabrizio Jemma; "Ecological Inventory and Classification Using Integrated Remote Sensing / GIS Analysis" — Robb Wright and Douglas M. Muchoney.

Keywords:

ISPRS XVII Congress, 1992; Integration; Remote-Sensing; Mapping

NCGIA Curriculum Modules:

O, F, C

Client-Server Technology: Where are we going?

Code: GIS-16

Series: GIS '91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 45 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. This presentation discusses not only the present trend toward client-server computing, but also its historical development since the 1960s. The concept was expanded with DIGITAL's introduction of the distributed timesharing style of computing. The basic concept is the same: connect the users to the resource they need to get their jobs done. The difference lies in the location of the resources and the communication between users. Today, client-server technology is evidenced by recent movements in design and office automation. — Bill Harris.

Keywords:

GIS '91; User-Interface; Client-Server

NCGIA Curriculum Modules:

G, S, F

Data Integration & Mapping

Code: RS-08

Series: ERIM, 1990

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length: 70 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ERIM, 1990 [SERIES]*.

Description: A session taped at ERIM, 1990 in Calgary, Canada. Papers presented are: "Use of a Geographic Information System and Image Processing Techniques to the Integration of Remote Sensing Data and Different Geoscientific Datasets to Mineral Exploration in the Iglesias Mining District, Sardinia" — J. Bodechtel; "Data Integration for Gold Exploration Using a GIS in Eastern Nova Scotia, Canada" — J.R. Harris; "Quachita Mountain Thrust Front: A Delta Structure Interpreted Through Integration of Thematic Mapper, Seismic and Well-log Data" — R.I. Dodge.

Keywords:

ERIM, 1990; Remote-Sensing; Terrain-Modeling; Prediction

NCGIA Curriculum Modules:

C, R, O, F

Desktop Mapping

Code: GIS-28
Series: GIS '92
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 60 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "The Mapinfo Desktop Mapping Package" — Wilson Baker; "Desktop Mapping Solutions for Small Communities — A Quickmap Example" — John McDonald; "Spans Map: A New Approach to Desktop Mapping" — Michael Simmons.

Keywords:

GIS '92; Map-Making

NCGIA Curriculum Modules:

F, N, G

Digital Orthophotography

Code: GIS-30
Series: ISPRS XVII Congress, 1992
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 90 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C.. Papers presented are: "A Digital Orthophoto System from INTERGRAPH" — Richard J. Kaiser; "Digital Orthophotography Generated from Aerial Photography Controlled with Airborne GPS" — Sen Wang and Kent Whittaker; "Using Interactive Orthophoto

Refinements to Correct Digital Elevation Models (DEM's)" — F. Raye Norvelle; "Multispectral Matching Techniques for DTM Generation" — Raad A. Salah and Frank L. Scarpace.

Keywords:

ISPRS XVII Congress, 1992; Orthophotography; GPS; DEM

NCGIA Curriculum Modules:

C

Draft Obituary: For a User Drowned in Data

Code: GIS-15

Series: GIS '91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 40 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. The presentation suggests an alternative to the emphasis on tools and approaches GIS from the point of view of data and the user. As data volume increases, our ability to find and process it is limited. Applications and interfaces, management and protection of existing databases and data investment are the key issues. This presentation examines user needs, data strategies and requirements to arrive at an application environment that is dynamic, that uses off-the-shelf products and that integrates all major current GIS technologies in a way that minimizes systems integration costs. — John Keene.

Keywords:

GIS '91; Data; Trends; User-Interface

NCGIA Curriculum Modules:

R, C, Q, S, G

Emerging Techniques 1

Code: GIS-21
Series: GIS '92
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 70 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "Stream Drainage Patterns and GIS" — Richard Thiessen; "Neural Nets and Genetic Algorithms for State Park Management" — Randy Gimblett; "A GIS Application for the Field Resource Manager" — Dave Martodam.

Keywords:

GIS '92; Trends; Resource-Management; Terrain-Modeling; Neural-Nets
NCGIA Curriculum Modules:
O, S, G

Emerging Techniques 2

Code: GIS-22
Series: GIS '92
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 90 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "A Corporate Database Approach to GIS" — Dr. John R. Herring; "Resource Management Using Statistical and Spatial Modeling" — Andrew Bury; "Application Program Interfaces for GIS:

A Case Study” — James Strapp; “Inexact Spatial Reasoning in GIS”
— David Altman.

Keywords:

GIS ‘92; Resource-Management; Trends; Prediction; Cognitive

NCGIA Curriculum Modules:

S, G

Environmental Issues 1: Multiple Land Use

Code: GIS-17

Series: GIS ‘91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS ‘91 [SERIES]*.

Description: A session taped at GIS ‘91 in Vancouver, Canada. Papers presented are: “Sampling the Countryside: GIS for the Detection and Prediction of Rural Change” — David C. Howard; “Oil and Gas Well Drill Site Location Analysis in the Targhee National Forest, Idaho” — Thomas Tracey; “The Application of a GIS System for Optimizing Multiple Land Use: The Problems of Forestry in an Urban Region” — Andreas Ottisch; “GIS and Sustainable Development in Forest Management” — Allen G. Levinsohn.

Keywords:

GIS ‘91; Resource-Management; Prediction

NCGIA Curriculum Modules:

O, P, F, G

Environmental Issues 2: Climate Change

Code: GIS-18

Series: GIS ‘91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 60 min

Copyright: yes

Purchase: \$60.00

Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. Papers presented are: "Modeling the Impacts of Climatic Change on Terrestrial Ecosystems: A GIS Application" — Brian Rizzo; "Potential Use of Geographic Information Systems in Local Climate Warming Forest Research" — David L. Vebyla.

Keywords:
GIS '91; Climate; Prediction
NCGIA Curriculum Modules:
S, O, G, F

Environmental Modeling

Code: GIS-4
Series: GIS/LIS '90
Date: 1990
Format: VHS (NTSC, PAL, SECAM)
Length: 180 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "Using Vector-Based GIS Technology to Facilitate Nonpoint Sediment Delivery Modeling" — Peter G. Thum; "Land Use Policy Analysis with GIS — San Francisco Bay Estuary" — Kenneth D. Gardels; "Integrating GIS with Predictive Models" — Nicolaas H. Reddingius; "Utilization of GIS in Selection of Hazardous Waste Disposal Sites in New Jersey Piedmont Province" — Sima Bagheri; "Simulating Future Land Use Patterns in the Sierran Foothills using GIS" — Robin Marose.

Keywords:

GIS/LIS '90; Environmental-Modeling; Prediction; Simulation

NCGIA Curriculum Modules:

O, P, F, G

Environmental Monitoring Applications

Code: GIS-43

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C.. Papers presented are: "Technology Transfer and Remote Sensing in Environmental Monitoring" — Bob Ryerson; "Remote Sensing of Environmental Effects of the Gulf War" — Farouk El-Baz; "Collection and Interpretation of Color Infrared and Thermal Infrared Imagery of Landfill Covers" — Christopher Stohr; "The Use of the Remote Sensing Technique in the Geographical Problems of Peru" — Mario Gonzales.

Keywords:

ISPRS XVII Congress, 1992; Gulf War; Environmental-Modeling

NCGIA Curriculum Modules:

Forest Management: Industrial Experiences

Code: GIS-13

Series: GIS '91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no
Shipping: included
Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. Papers presented are: "The Camas Project: Building a Management and Analysis System for Natural Resource Managers" — John K. Riekena; "Digital Forest Management: Canfor's Experience" — Philip Winkle; "From Research to Production: Using GIS and Image Processing to Map Vegetation on 30 Million Acres of National Forest Lands" — Kass Green; "GIS in Forestry Taxation: Finland" — Esko Korpi-Hyovalti.

Keywords:

GIS '91; Resource-Management; Forestry; Map-Making

NCGIA Curriculum Modules:

O, F, G

GIS Selection and Management

Code: GIS-3
Series: GIS/LIS '90
Date: 1990
Format: VHS (NTSC, PAL, SECAM)
Length: 180 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "Functional Requirements, What and How to Manage" — Henry A. Emery; "The Other Costs of GIS" — Margaret Chock; "Considerations for Selecting a GIS Consultant" — Allen J. Armstrong; "Technical Start-up Problems in GIS Project Management" — Kathleen Durako; "Avoiding Pilot Studies through a Structured Life-Cycle Test and Evaluation Program" — Timothy Foresman; "Integrating GIS with other Enterprise Systems can be Strategic" — Earl Ellisor.

Keywords:

GIS/LIS '90; Cost-Benefit; Implementation; Requirements

NCGIA Curriculum Modules:

Q

GIS as Response

Code: GIS-26
Series: GIS '92
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 45 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "Minimizing Adverse Affects of Transmission Corridors" — Andrew Robertson; "Supervisory Control and Data Acquisition Systems" — Doug Skye and Tracy McEarchen.

Keywords:

GIS '92; Urban

NCGIA Curriculum Modules:
C, P, F

GIS for Fire Management and Protection

Code: GIS-23
Series: GIS '92
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 60 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "GIS Management of Felled and Bucked Log Inventories Susceptible to Ambrosia Beetle Attacks" — Rick Hawe; "Evaluating Spatial Strategies of Wildfire Prevention" — Yue Hong Chou;

“Integrating GIS Technology for Forest Fire Management Planning” —
Bryan S. Lee.

Keywords:

GIS '92; Resource-Management; Fire

NCGIA Curriculum Modules:

O, P, F

GIS in Information Analysis

Code: GIS-24

Series: GIS '92

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: “Fast Access to Fisheries Info with Low-cost Desktop Mapping Software” — C. Peter Lewis; “Carrying Capacity Analysis Using GIS” — Nanna Suryana; “Evaluating Agricultural Forest Management and Environmental Quality” — Lucy Buchan.

Keywords:

GIS '92; Resource-Management; Agriculture

NCGIA Curriculum Modules:

O, P, F, C

GIS in Transportation and Routing

Code: GIS-27

Series: GIS '92

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 75 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "Adapting a GIS for Transportation" — Diane Garey; "GIS to Create, Maintain and Optimize Delivery Routes" — Rolf Broch; "Development of a GIS Plan for Vancouver Port Corporation" — Lorne McLachlan.

Keywords:

GIS '92; Transportation; Urban

NCGIA Curriculum Modules:

P, O, F

GIS, Remote Sensing and Cartographic Data Integration: Theoretical and Practical Issues

Code: GIS-38

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "The Development of Multisource Databases for GIS Analysis" — R. Eric Anderson; "Use of SPOT Images within IGN France, Image Maps Derived from Geographic Data Bases" — Anne Ruas; "Integration of GIS, Remote Sensing, Photogrammetry and Cartography: The Geoinformatic Approach" — Manfred Ehlers; "Integrating Classified Remote Sensing Data and Map Data in a Digital Landscape Model" — Alfred Mehlbreuer.

Keywords:

ISPRS XVII Congress, 1992; Remote-Sensing; Integration; SPOT

NCGIA Curriculum Modules:

F, C

GPS Applications to Natural Resource Management

Code: GIS-31

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See ISPRS XVII Congress, 1992 [*SERIES*].

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "An Introcuton to Global Positioning System (GPS)" — Steve Briggs; "Datums – Their Use and Abuse" — Tim Petersen; "Applicaitions of GPS" — Arthur F. Lange.

Keywords:

ISPRS XVII Congress, 1992; Resource-Management; GPS

NCGIA Curriculum Modules:

C, O, P

Implementation and Impediments

Code: GIS-20

Series: GIS '92

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '92* [*SERIES*].

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "GIS: Two Years After Purchase" — Craig Sharun; "Oil Spill Response: An Open Distributed Systems Solution" — Bert Veenedaal; "MIS and GIS: Can we work together?" — Bruce Abbott; "Trends in GIS. What are the Impediments?" — John Lee.

Keywords:

GIS '92; Remote-Sensing; Resource-Management; Forestry

NCGIA Curriculum Modules:

R, Q, S

Industrial and Real Estate Modeling

Code: GIS-5

Series: GIS/LIS '90

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length: 70 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS/LIS '90 [SERIES]*.

Description: This video contains a session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "Industrial Location Modeling, using a GIS: The First Step in Developing an Expert System for Industrial Site Selection" — Wayne Meyer; "Requirements of GIS Used for Supply/Demand Analysis of Real Estate Markets" — Fraser B. Gurd.

Keywords:

GIS/LIS '90; Urban

NCGIA Curriculum Modules:

O, P, F, G

Knowledge Engineering, Applications and Systems

Code: GIS-40

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "Knowledge Engineering in R.S. and Knowledge Based Systems in GIS" — Nanno J. Mulder; "Recognition of Road and River Patterns by Relational Mapping" — Norbert Haala.

Keywords:

ISPRS XVII Congress, 1992; Cognitive; Knowledge-Based

NCGIA Curriculum Modules:

S, O

Legal Issues and GIS

Code: GIS-14

Series: GIS '91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. Papers presented are: "A Corporate Perspective for Treating Data as an Asset" — Larry J. Sugarbaker; "Survey of Legal Issues affecting the Use and Dissemination of GIS Products and Services" — John C. Antenucci; "Legal GIS Issues in Canada" — J. Bilsland.

Keywords:

GIS '91; Legal Issues

NCGIA Curriculum Modules:

S

Local Government Strategies

Code: GIS-7

Series: GIS/LIS '90

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "Planning a GIS Installation in a Local Government" — Robert C. Maggio; "Smart Management of GIS/LIS Initiatives" — Barry S. Wellar; "A Survey of Local Government Application of GIS and AM/FM Systems" — Steven W. McCrary.

Keywords:
GIS/LIS '90; Local Government
NCGIA Curriculum Modules:
Q, O, G

Natural Resources: Forestry Applications

Code: GIS-8
Series: GIS/LIS '90
Date: 1990
Format: VHS (NTSC, PAL, SECAM)
Length: 70 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "Tree Stand Mapping with Remotely-Sensed Data: From Aerial Photographs to Digital Data Processing" — Frank C. Croft; "Mapping Potential Old Growth Forests and Other Resources on National Forest and Park Lands" — Kass Green; "Integration of GIS and Remote Sensing for Monitoring the Rate and Direction of Spread of Oakwilt" — Charles Ware.

Keywords:
GIS/LIS '90; Remote-Sensing; Forestry; Mapping
NCGIA Curriculum Modules:
O, F, G

Natural Resources: Vegetation Applications

Code: GIS-9
Series: GIS/LIS '90
Date: 1990
Format: VHS (NTSC, PAL, SECAM)
Length: 90 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "Global Vegetation Change in Complex Topography: A Prototype Study" — Lee de Cola; "Utilizing GIS Technology for Combining Regional Vegetation Maps" — Brean W. Duncan; "Integration of Laser Disk Videography with GIS for Conservation Program Management" — Peter Thum.

Keywords:

GIS/LIS '90; Vegetation; Mapping; Videography

NCGIA Curriculum Modules:

O, S, F

Old Growth - Can the Conflicts be Resolved?

Code: GIS-12
Series: GIS '91
Date: 1991
Format: VHS (NTSC, PAL, SECAM)
Length: 90 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. The discussion revolves around the definition of old growth, a hot topic in the resource management arena. Three representatives of business, government, and an environmental group discuss the fundamental

issues in this debate. An important issue is whether characterization of old growth should be done within the context of an ecological classification, using multiple criteria such as age, size, disturbance, stand composition, structure, function, minimum area, etc. Development of working definitions for the various old growth forest types is the first requirement for a comprehensive research and management strategy for old growth. — Vicky Husband, Don McMullen, Jim Pojar.

Keywords:

GIS '91; Old Growth; Resource-Management; Mapping; Forestry;
Vegetation

NCGIA Curriculum Modules:

S, O

Progress in Map Revision Processes

Code: GIS-34

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS Congress, 1992 in Washington, D.C.. Papers presented are: "Devising Automated Technology for Large-Scale Mapping" — Ivan Katzarsky; "Automatic Revision of the European Community's CORINE Land Cover Database Using Satellite Data" — Graeme Wilkinson; "Semi-Automatic Revision of Topographic Maps from Satellite Images" — Oystein B. Dick; "Evaluation of SPOT Data for Topographic Map Revision" — Agneta Engberg; "Accuracy of Superposition" — A. Van Voorden.

Keywords:

ISPRS XVII Congress, 1992; Map-Making; Remote-Sensing; Mapping;
SPOT; Accuracy

NCGIA Curriculum Modules:

F, A, H

Remote Sensing Applications in Resource Inventories (IUFRO)

Code: GIS-36

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 180 min

Copyright: yes

Purchase:

Rental: no

Academic Discount: \$85.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "Replacing Aerial Photo Interpretation in Resource Inventories with Integrated Airborne Digital Data and GIS" — Frank Hegyi; "Integration of Vegetation Information Derived from Landsat Thematic Mapper Data into a National Forest GIS" — David L. Evans; "Airborne Linear Array Imagers for Forestry Applications" — Donald G. Leckie; "Influence of Forest Stand Parameters on Vegetation Indices Using for Coniferous Forest Damage Assessment" — Jonas Ardö; "Effect of Polarization on Radar Backscatter using SAR Aircraft and SIR-B Data" — Youssif A Hussin.

Keywords:

ISPRS XVII Congress, 1992; Remote-Sensing; Landsat; Radar; Mapping
NCGIA Curriculum Modules:

C

Renewable Resource Inventory and Monitoring with Remote Sensing / GIS

Code: GIS-33

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "Feature Extraction From Landsat TM Pixels" — Paul T. Tueller; "Background Effects On Reflectance and Derivatives Using Airborne Imaging Data" — Yoshio Aways.

Keywords:

ISPRS XVII Congress, 1992; Remote-Sensing; Landsat; Mapping

NCGIA Curriculum Modules:

C

Scanning and Conversion

Code: GIS-25

Series: GIS '92

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 75 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '92 [SERIES]*.

Description: A session taped at GIS '92 in Vancouver, Canada. Papers presented are: "Automated Map Data Conversion" — Wayne C. Coleman; "Impacts of Scanning Resolution on GIS Data Conversion" — Lisa Klapwyk; "Preparation of Scanner-Ready Manuscripts" — Daniel Haskell; "Scanning in Conjunction with Automated Raster to Vector Technology" — Jeff Marceil.

Keywords:

GIS '92; Mapping; Conversion; Accuracy

NCGIA Curriculum Modules:

C

Sensors and Platforms for Remote Data Acquisition

Code: GIS-41

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *ISPRS Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "Recent Developments in the Use of Synthetic Aperture Radar for Remote Sensing (IP)" — John Curlander; "X-Sar, A Spacebourne Synthetic Aperature Radar Instrument" — E. Velten; "Optoelectronic Imaging Spectrometers: German Concepts for Remote Sensing" — M. Schroeder; "Radiometric Calibration of SAR Image Data" — Anthony Freeman; "Calibration Results for the Field Portable Thermal Infrared Spectrometer (THIRSPEC)" — Benoit Rivard; "A Flexible Digital Wide Angle Optoelectric Stereo Scanner" — Ralf Reulke.

Keywords:

ISPRS XVII Congress, 1992; Remote-Sensing; Radar

NCGIA Curriculum Modules:

C

Soft Copy Photogrammetry

Code: GIS-29
Series: ISPRS XVII Congress, 1992
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 90 min
Copyright: yes
Purchase: \$60.00
Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "Intermap 6487 Image Station - Intergraph Digital Photogrammetric Workstation" — Richard J. Kaiser, Mostafa Madani, Ph.D.; "Softcopy Photogrammetry for Resource Mapping and Map Revision" — Eugene E. Derenyi; "State of the Art in Digital Photogrammetric Workstations" — Uki V. Helava; "Evaluation of Digital Photogrammetric Systems" — Raad A Saleh.

Keywords:

ISPRS XVII Congress, 1992; Photogrammetry; Mapping

NCGIA Curriculum Modules:

C, F

Systems and Instrumentation for Microwave Data Processing

Code: GIS-42

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "Progress and Problems in Microwave Radiometric Remote Sensing of Soil Moisture (Instruments and Applications)" — A. Shutko; "DLR's Operational and Planned SAR Processing Systems" — Wolfgang Noack; "SIR-C Ground Data System and Processing Algorithm Design" — C.Y. Chang; "The SAR Processing System of NASDA EOC" — H. Wakabayashi; "A Processor-Based SAR Image Geocoding System" — Einar-Arne Herland; "Multisensor Mapping Using SAR in Conjunction with Optical Data" — Johnnas Raggam.

Keywords:

ISPRS XVII Congress, 1992; Remote-Sensing; Radar

NCGIA Curriculum Modules:

C

Techniques: Remote Sensing and Video

Code: GIS-19

Series: GIS '91

Date: 1991

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no
Academic Discount: \$55.00
Copying: no
Shipping: included
Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. Papers presented are: "The Use of Satellite Imagery Combined with GIS to Manage Forests with Spruce Beetle Damage" — David J. Ward; "Forest Landscape Management Opportunities Using a 3-D Image Analysis System" — Ken Fairhurst and David Vincent-Jones; "Video and Direct Digitizing of Aerial Photography for Forest Inventory" — Ian K. Isaacs; "Multi-Resource Inventories with Air and Spaceborne Digital Remote Sensing, GIS and Video Imaging" — Frank Hegyi and Penny Walker.

Keywords:

GIS '91; Remote-Sensing; Resource-Management; Forestry

NCGIA Curriculum Modules:

S, C, N, G

Technology Training / Education for Resource Managers

Code: GIS-32
Series: ISPRS XVII Congress, 1992
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length: 180 min
Copyright: yes
Purchase:
Rental: no
Academic Discount: \$85.00
Copying: no
Shipping: included
Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: "GIS Resource Training Needs in the Real World" — Kass Green; "GIS is Spatial Data Mapping, Modeling and More" — Joseph K. Berry; "Multimedia Moves Mountains, Molehills, and even Managers" — Bruce W. Fogarty; "Mastering Technological Change: Blazing the Migration Trail" — Randy M. Weldon; "Bringing Technology to the Resource Manager... and not the Reverse" — Daniel L. Schmoldt; "Educating Resource Managers for the GIS Decision Support Environment of the Late '90s" — Jack Dangermond; "Natural

Resources Management Training in the U.S. National Park Service” — William H. Walker, Jr.; “Education and Training Issues for Extending Resource Planning DSS Into Large Technical Assistance Organizations” — Jerry W. Stuth, W.T. Hamilton, J.R. Conner, D.P. Sheehy and S.L. Ekblad.

Keywords:

ISPRS XVII Congress, 1992; Resource-Management; Multimedia; Overview; Training; Context; Implementation

NCGIA Curriculum Modules:

O, P, A, G, S

The Impact of GPS in Surveying and Mapping

Code: GIS-39

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length: 90 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *ISPRS XVII Congress, 1992 [SERIES]*.

Description: A session taped at ISPRS XVII Congress, 1992 in Washington, D.C. Papers presented are: “The Impact of IGS on the Surveying and Mapping Community” — Gerhard Beutler; “Present / Future Impacts of Satellite Survey Techniques on the FIG Community” — John Oswald and Larry Hothem; “Role of GPS in Cartographic Products” — Bertrand Garlier; “GPS Application in Photogrammetry” — Fritz Ackermann; “GPS Use for Aircraft Positioning” — Kurt Kubik; “An Integrated GPS Flight Management System” — Peter M. Conners; “Recent Experiences in Combined Block Adjustment with Kinematic GPS Data” — Karsten Jacobsen; “Reduction of Systematic Errors in GPS-Based Photogrammetry by Fast Ambiguity Resolution Techniques” — Holger Schade.

Keywords:

ISPRS XVII Congress, 1992; Surveying; Mapping; GPS; Photogrammetry

NCGIA Curriculum Modules:

C, H

Water and Soil Management

Code: GIS-6

Series: GIS/LIS '90

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length: 60 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS/LIS '90 [SERIES]*.

Description: A session taped at GIS/LIS '90 in Anaheim, CA. Papers presented are: "The Integration of Soil and Water Resource Models with the GRASS GIS for Resource Analysis and Planning" — Paul Fukuhara; "Understanding Relationships Between Farm Management Practices and Groundwater Contamination using a GIS" — Peter G. Thum.

Keywords:

GIS/LIS '90; Resource-Management

NCGIA Curriculum Modules:

O, P, F, G

Where is the Technology Leading Us?

Code: GIS-11

Series: GIS '91

Date: GIS '91

Format: VHS (NTSC, PAL, SECAM)

Length: 45 min

Copyright: yes

Purchase: \$60.00

Rental: no

Academic Discount: \$55.00

Copying: no

Shipping: included

Source: See *GIS '91 [SERIES]*.

Description: A session taped at GIS '91 in Vancouver, Canada. This Keynote Address begins with a consideration of where GIS is going, and with mention of several important related technologies, the presentation considers the range of problems and of possible immediate futures for natural resource management general, and for forest management in particular. The role of GIS in natural resource management is taken up next. The presentation concludes with a consideration of where GIS may lead natural resource management in the future. — Jack Dangermond.

Keywords:

GIS '91; Trends; Resource-Management

NCGIA Curriculum Modules:

G, S

GIS SOFT AND HARDWARE

- PROMOTIONAL

AML An Introduction to Advanced Macro Language

Series: ARC/INFO Product Videos

Date:

Format: VHS (NTSC or PAL)

Length: 18 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Discusses the capabilities of the ARC Macro Language (AML) feature of ARC/INFO. It also provides a brief demonstration of how AML can be used to write macros to simplify geoprocessing tasks.

Keywords:

ARC/INFO; ESRI; AML; Macros

NCGIA Curriculum Modules:

ArcCAD

Series: ARC/INFO Product Videos

Date: 1992

Format: VHS (NTSC, PAL or SECAM)

Length: 10 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL or SECAM) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Describes and demonstrates the features of ArcCAD, ESRI's geographic design system. Shows how AutoCAD users can use ArcCAD from within the AutoCAD computing environment to add GIS capabilities to their CAD drawings.

Keywords:

ARC/INFO; ESRI; CAD; Data-Sources

NCGIA Curriculum Modules:

ArcView

Series: ARC/INFO Product Videos

Date: 1991

Format: VHS (NTSC or PAL)

Length: 8 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Describes the features of ArcView. Explains and demonstrates how ArcView can be used to query and display geographic information contained in ARC/INFO format.

Keywords:

ARC/INFO; ESRI; Plotting; Map-Making

NCGIA Curriculum Modules:

F, N, E

ArcView for Windows: With Windows Applications

Series: ARC/INFO Product Videos

Date: 1992

Format: VHS (NTSC or PAL)

Length: 10 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Describes ArcView for Windows, the version of ArcView available for the PC computing environment. As indicated by its name, the PC version of ArcView is a Windows-based product. A major portion of the video shows how ArcView can be used with other Windows-based products on the PC.

Keywords:

ARC/INFO; ESRI; Plotting; Map-Making

NCGIA Curriculum Modules:

F, N, E

ARC/INFO - The Total GIS

Series: ARC/INFO Product Videos

Date: 1988

Format: VHS (NTSC or PAL)

Length: 11 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: This video presents an introduction to geographic information systems and their applications using ARC/INFO. It begins with three diverse problems, each centered around data which are distinguished by having spatial relevance. The benefits of having access to integrated cartographic data (and related data) via GIS is discussed. A brief discussion of the basic structure of ARC/INFO is also presented. ARC/INFO's integrated database management and computer graphics software benefits are highlighted via examples and graphic visuals.

Keywords:

ARC/INFO; ESRI; Decision-Making; Benefits; Needs; Definition

NCGLA Curriculum Modules:

A, G, Q, E

ARC/INFO Rev. 6.0

Series: ARC/INFO Product Videos

Date:

Format: VHS (NTSC or PAL)

Length: 45 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Provides a demonstration of the features of ARC/INFO Rev. 6.0. Unlike *ARC/INFO — The Total GIS*, this video concentrates on just those new features added in Rev. 6.0.

Keywords:

ARC/INFO; ESRI; ARC/INFO rev. 6.0

NCGLA Curriculum Modules:

A, G

Animating Your World - GIS Animation

Code: DDV100033

Date:

Format: VHS (NTSC)

Length: 7:13 min

Copyright: yes

Purchase: no

Rental: no

Academic Discount: no

Copying: no

Shipping: no

Source: David Joffrion or Sarah Hacker

Intergraph Corporation

Huntsville, AL 35894-0001

Mailstop IW17B6

Tele: (205) 730-2000

Description: This promotional video illustrates many of the disciplines involved in Intergraph's Mapping Sciences. Animated sequences include a zoom into a satellite image of St. Louis, a flight over a digital terrain model of British Columbia, a sub-surface model of the Blue Ridge Mountains and a helicopter flight through downtown Minneapolis. The 3D images were created using Intergraph's open-systems workstations and specialized applications software including the MGE family of mapping and GIS products.

Keywords:

Animation; Intergraph; Fly-By; Terrain-Modeling

NCGIA Curriculum Modules:

N, K, GT

Desktop GIS with MAPINFO

Date: 1990

Format: VHS

Length:

Copyright:

Purchase:

Source: MAPINFO Corp.
Hendrick Hudson Building
200 Broadway
Troy, New York 12180-9981
Tele: (518) 274-8673

Description: Illustrates applications of the Mapinfo GIS.

Keywords:

MAPINFO

NCGIA Curriculum Modules:

G, F, O

Integration with ARC/INFO

Series: ARC/INFO Product Videos

Date: 1990

Format: VHS (NTSC or PAL)

Length: 8 min

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: Explains and demonstrates how technologies complementary to a GIS, such as image processing systems, global positioning systems, database management systems and so forth, can be integrated with ARC/INFO software to create a comprehensive spatial information system.

Keywords:

ARC/INFO; ESRI; Integration; Data-Sources

NCGIA Curriculum Modules:

R, S, G

Manatron Gem Graphic Information System

Date:

Format:

Length: 21 min

Copyright:

Purchase:

Source: UNISYS

P.O.Box 500

Blue Bell, PA 19424

Tele: (215) 542-4011

Description: This product-marketing video describes hardware, software, and applications of the Manatron Gem Graphic Information System. The tape progresses through shots of equipment and examples of system capability via graphic visuals.

Keywords:

Manatron; Benefits

NCGIA Curriculum Modules:

G, O, Q

Mapping the Future with ULTRIX

Date: 1987

Format: VHS

Length: 10 min

Copyright:

Purchase:

Source: GeoVision Corporation,
1600 Carling Avenue, Suite 350,
Ottawa, K1Z 8R7
CANADA

Description: Describes the ULTRIX operating system and is a product endorsement by GeoVision. The change from a paper-map system to a geographically referenced database is discussed and some benefits of the resultant accessibility to information are presented. In addition to visuals of current problems and their GIS solution, the tape incorporates segments of an interview with the president of GeoVision.

Keywords:

Map-Making; ULTRIX; Geovision; Benefits

NCGIA Curriculum Modules:

G, A, F

Simply the Best / InterMap Analytic

Date: 1987

Format:

Length: 12 min

Copyright:

Purchase: \$0.00

Source: Intergraph Direct Marketing
Huntsville, AL 35894-0001
Tele: (800) 826-3515

Description: Displays the InterMap Analytic Photogrammetric Workstation and provides an introductory demonstration of its capabilities and features. Discusses issues such as ergonomics, color superimposition, and the integration of a stereoletter with high resolution graphics.

Keywords:

InterMap; Workstation

NCGIA Curriculum Modules:

G, N

- TRAINING

ARC/INFO Arcedit Training Video

Series: ARC/INFO Training Videos

Date:

Format: VHS (NTSC or PAL)

Length: 8 min

Copyright:

Purchase: See *ARC/INFO Training Videos [SERIES]*

Source: See *ARC/INFO Training Videos [SERIES]*.

Description: This video complements the ARC/INFO workbook of the same name and training data available from ESRI. Estimated 20 hours to complete course. See *ARC/INFO Training Videos [SERIES]* for important information.

Keywords:

ARC/INFO; ESRI; Training; Data-Sources

NCGIA Curriculum Modules:

C

ARC/INFO Arcplot Training Video

Series: ARC/INFO Training Videos

Date:

Format: VHS (NTSC or PAL)

Length: 8 min

Copyright:

Purchase: See *ARC/INFO Training Videos [SERIES]*

Source: See *ARC/INFO Training Videos [SERIES]*.

Description: This video complements the ARC/INFO workbook of the same name and training data available from ESRI. Estimated 40 hours to complete course. See *ARC/INFO Training Videos [SERIES]* for important information.

Keywords:

ARC/INFO; ESRI; Plotting; Map-Making; Training

NCGIA Curriculum Modules:

F, E

ARC/INFO Introduction to Spatial Analysis

Series: ARC/INFO Product Videos

Date:

Format: VHS (NTSC or PAL)

Length: 8 min

Copyright:

Purchase: See *ARC/INFO Training Videos [SERIES]*

Source: See *ARC/INFO Product Videos [SERIES]*.

Description: This video complements the ARC/INFO workbook of the same name and training data available from ESRI. See *ARC/INFO Training Videos [SERIES]* for important information.

Keywords:

ARC/INFO; ESRI; Analysis; Training

NCGIA Curriculum Modules:

F, P, E

ARC/INFO Network Training Video

Series: ARC/INFO Training Videos

Date:

Format: VHS (NTSC or PAL)

Length: 8 min

Copyright:

Purchase: See *ARC/INFO Training Videos [SERIES]*

Source: See *ARC/INFO Training Videos [SERIES]*.

Description: This video complements the ARC/INFO workbook of the same name and training data available from ESRI. This video covers the address geocoding and network analysis tools in ARC/INFO. Estimated 2 days to complete course. See *ARC/INFO Training Videos [SERIES]* for important information.

Keywords:

ARC/INFO; ESRI; Network Analysis; Geocoding; Training

NCGIA Curriculum Modules:

P, H, E

ARC/INFO Overlay Training Video

Series: ARC/INFO Training Videos

Date:

Format:

Length:

Copyright:

Purchase: See *ARC/INFO Training Videos [SERIES]*

Source: See *ARC/INFO Training Videos [SERIES]*.

Description: This video complements the ARC/INFO workbook of the same name and training data available from ESRI. It covers the spatial manipulation and analysis tools in ARC/INFO. Estimated 3-6 days to complete course. See *ARC/INFO Training Videos [SERIES]* for important information.

Keywords:

ARC/INFO; ESRI; Analysis; Training

NCGIA Curriculum Modules:

F, I, E

Atlas GIS: Hands-On Training and Applications

Date:

Format: 4 VHS(NTSC) cassettes

Length: Tape 1 1.5 hrs, Tapes 2 & 3 3.5 hrs, Tape 4 2 hrs.

Copyright: yes

Purchase: \$295.00

Source: Strategic Mapping, Inc.

3135 Kifer Road

Santa Clara, CA 95051

Tele: (408) 970-9600

(408) 970-9977 Technical Support

(408) 970-9999

Description: This instruction kit is intended to provide comprehensive instruction in the use of the Atlas GIS. In addition to the four videotapes, the package also contains sample data, disks (one 5.25% DS/HD or two 3.5" DS/DD), a user's manual, a command menu reference chart, and sample maps for digitizing.

Tape One provides an introduction to fundamental GIS concepts and applications using examples and graphics plus an overview of the Atlas GIS function set.

Tapes Two and Three provide the core of the training kit in a menu by menu description of the use and application of the entire Atlas GIS command set. The functions of the commands are illustrated with realistic examples taken from business and government contexts.

Tape Four consists of a suite of applications-oriented lessons making use of an extended case study that incorporates a wide range of features and functions. This tape is intended to provide a wider and more comprehensive grasp of GIS abilities and to enable the user to apply the software to a project of greater depth.

Keywords:

Atlas; Strategic Mapping; Overview; Training; Definition

NCGIA Curriculum Modules:

A, C, D, F, O

VIDEO SERIES

ARC/INFO Product Videos [SERIES]

Series: ARC/INFO Product Videos

Date:

Format:

Length:

Copyright: yes

Purchase: \$1.95 VHS(NTSC), \$5.00 VHS (PAL) (U.S. currency only)

Shipping: \$2.00 Domestic; \$8.00 International (U.S. currency only)

Source: Karen Hunter

Environmental Systems Research Institute, Inc.

380 New York Street

Redlands, CA 92373

Tele: (714) 793-2853 (ex 1582)

Fax: (909) 793-5953

Description: Titles:

Five Parts of a GIS

AML - An Introduction to Advanced Macro Language

ArcCAD

ArcView

ArcView for Windows

ARC/INFO - The Total Geographic Information System

ARC/INFO Rev. 6.0

Integration with ARC/INFO

Keywords:

ARC/INFO; ESRI; Promotional

NCGIA Curriculum Modules:

ARC/INFO Training Videos [SERIES]

Series: ARC/INFO Training Videos

Date:

Format:

Length:

Copyright: yes

Purchase:

Shipping:

Source: Karen Hunter

Environmental Systems Research Institute, Inc.

380 New York Street

Redlands, CA 92373

Tele: (714) 793-2853 (ex 1582)

Fax: (909) 793-5953

Description: At the time of publication, ESRI has not yet completed updating their Training Videos to ARC/INFO version 6.0. The following titles are for earlier versions of ARC/INFO and may no longer be available through ESRI. Copies of these video may be available from some users of previous versions of ARC/INFO, and we are assuming that similar videos will be made available for ARC 6.0. Contact ESRI for information about current availability.

ARC/INFO Arcedit Training Video
ARC/INFO Arcplot Training Video
ARC/INFO Introduction to Spatial Analysis
ARC/INFO Network Training Video
ARC/INFO Overlay Training Video

Keywords:

ARC/INFO; ESRI; Training

NCGIA Curriculum Modules:

ERIM, 1990 [SERIES]

Series: ERIM, 1990

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length:

Copyright:

Purchase:

Source: A M Productions, Inc.

48 East 6th Avenue

Vancouver, V5T 4P4

CANADA

Tele: (604) 875-9927

Fax: (604) 875:9971

Description: This video was taken during a selected session at the ERIM, 1990 conference at Calgary, Canada. Other videos were taken at this conference, but were not as directly relevant to this bibliography. Contact AM Productions directly for further information about them. This video is an unedited document of the presentation, displaying the original video information used by the speakers (slides, overheads, RGB computer graphics, etc.). The session in this bibliography is:

Data Integration and Mapping

Keywords: ERIM, 1990

NCGIA Curriculum Modules:

GIS '91 [SERIES]

Series: GIS '91

Date: 1991
Format: VHS (NTSC, PAL, SECAM)
Length:
Copyright:
Purchase:
Source: A M Productions, Inc.
48 East 6th Avenue
Vancouver, V5T 4P4
CANADA
Tele: (604) 875-9927
Fax: (604) 875:9971

Description: These videos were taken during selected sessions at the GIS '91 conference at Vancouver, Canada. These videos are unedited documents of the presentations, displaying the original video information used by the speakers (slides, overheads, RGB computer graphics, etc.). Sessions were selected for their "use by educational institutions as well as the private sector". Sessions taped include:

- Introduction to GIS: A Workshop
- Where is the Technology Leading Us?
- Old Growth – Can the Conflicts be Resolved?
- Forest Management: Industrial Experiences
- Legal Issues and GIS
- Draft Obituary: For a User Drowned in Data
- Client–Server Technology: Where are We Going?
- Environmental Issues 1: Multiple Land Use
- Environmental Issues 2: Climate Change
- Techniques: Remote Sensing and Video

Keywords: GIS '91
NCGIA Curriculum Modules:

GIS '92 [SERIES]

Series: GIS '92
Date: 1992
Format: VHS (NTSC, PAL, SECAM)
Length:
Copyright:
Purchase:
Source: A M Productions, Inc.
48 East 6th Avenue
Vancouver, V5T 4P4
CANADA
Tele: (604) 875-9927
Fax: (604) 875:9971

Description: These videos were taken during selected sessions at the GIs '92 conference at Vancouver, Canada. These videos are unedited documents of the presentations, displaying the original video information used by the speakers (slides, overheads, RGB computer graphics, etc.). Sessions were selected for their "use by educational institutions as well as the private sector". Sessions taped include:

- Implementation and Impediments
- Emerging Techniques 1
- Emerging Techniques 2
- GIS for Fire Management and Protection
- GIS in Information Analysis
- Scanning and Conversion
- GIS as Response
- GIS in Transportation and Routing
- Desktop Mapping

Keywords: GIS '92

NCGIA Curriculum Modules:

GIS/LIS '90 [SERIES]

Series: GIS/LIS '90

Date: 1990

Format: VHS (NTSC, PAL, SECAM)

Length:

Copyright:

Purchase:

Source: A M Productions, Inc.

48 East 6th Avenue

Vancouver, V5T 4P4

CANADA

Tele: (604) 875-9927

Fax: (604) 875-9971

Description: These videos were taken during selected sessions at the GIS/LIS '90 conference at Anaheim, CA. These videos are unedited documents of the presentations, displaying the original video information used by the speakers (slides, overheads, RGB computer graphics, etc.). Sessions were selected for their "use by educational institutions as well as the private sector". Sessions taped include:

- GIS: Science, Applications, Coherence: A Historical Keynote Address

- USGS National Mapping Division: Preparing for the 21st Century

- GIS Selection and Management

- Environmental Modeling

- Industrial and Real Estate Modeling

- Water and Soil Management

Local Government Strategies
Natural Resources: Forestry Applications
Natural Resources: Vegetation Applications

Keywords: GIS/LIS '90

NCGIA Curriculum Modules:

ISPRS XVII Congress, 1992 [SERIES]

Series: ISPRS XVII Congress, 1992

Date: 1992

Format: VHS (NTSC, PAL, SECAM)

Length:

Copyright:

Purchase:

Source: A M Productions, Inc.

48 East 6th Avenue

Vancouver, V5T 4P4

CANADA

Tele: (604) 875-9927

Fax: (604) 875:9971

Description: These videos were taken during selected sessions at the ISPRS XVII Congress, 1992 at Washington D.C. These videos are unedited documents of the presentations, displaying the original video information used by the speakers (slides, overheads, RGB computer graphics, etc.). Sessions were selected for their "use by educational institutions as well as the private sector". Sessions taped include:

Soft Copy Photogrammetry

Digital Orthophotography

GPS Applications to Natural Resource Management

Technology Training and Education for Resource Managers

Renewable Resource Inventory and Monitoring with Remote
Sensing / GIS

Progress in Map Revision Processes

Airborne Video Applications to Resource Management

Remote Sensing Applications in Resource Inventories (IUFRO)

Applications of Integrated GIS / Image Analysis Systems

GIS, Remote Sensing and Cartographic Data Integration:

Theoretical and Practical Issues

The Impact of GPS on Surveying and Mapping

Knowledge Engineering, Applications and Systems

Sensors and Platforms for Remote Sensing Data Acquisition

Systems and Instrumentation for Microwave Data Processing

Environmental Monitoring Applications

Keywords: ISPRS XVII Congress, 1992

NCGIA Curriculum Modules:

Land Records Modernization and Geographic Information Systems Planning [SERIES]

Series: Land Records Modernization and GIS Planning

Date: 1991

Format: VHS, 3/4" U-matic

Length:

Copyright:

Purchase: \$150.00 per tape - \$600.00 per set

Source: Janice Friis, Dept. of Engineering
Professional Development
University of Wisconsin-Madison
432 North Lake Street
Madison, Wisconsin 53706
Tele: (800) 462-0876
(608) 263-7429

Description: This set of 5 videotapes is intended to introduce the concepts and terms of land and geographic information systems technology along with the issues associated with implementing a LIS/GIS. The emphasis is on local government implementations with examples from Wisconsin. Supplemental materials in a three-ring binder are provided for each videotape.

Module 1: Basics of Land Records Modernization

Module 2: Institutional Issues in Land Records Modernization

Module 3: Wisconsin Land Information Act

Module 4: Geographic Information Systems Terms and Concepts

Module 5: The Implementation Process

Keywords:

Introduction; Land-Records; Wisconsin; Implementation; Definition

NCGIA Curriculum Modules:

C, O, Q, A
