



HUNAGI

Hungarian Association for Geo-Information

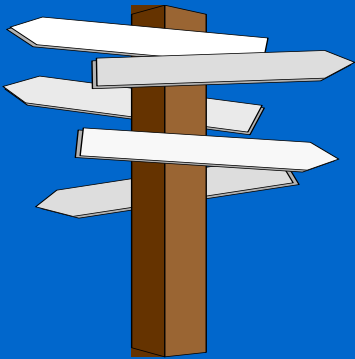


HUNGARIAN NGO APPROACH TO FACILITATE THE DEVELOPMENT OF NATIONAL SDI

ESTABLISHMENT AND EVOLUTION OF THE NATIONAL INTERDISCIPLINARY NGO AND
ITS ROLE IN NETWORKING AND NSDI DEVELOPMENT

CONTENTS

- THE ESTABLISHMENT
- FEATURES
- RECENT DEVELOPMENTS
- COMPONENT OF THE NSDI
- DRIVING FORCES
 - THE EU ACCESSION
 - NATIONAL PROJECTS
- CASE APPLICATIONS
 - AGRICULTURE,
 - REGIONAL PLANNING
 - ENVIRONMENT



THE ESTABLISHMENT

- **BACKGROUND** (IMPORTANCE OF NETWORKING REALISED)
- **THE MOMENT** (CERCO NRW, EC DG XIII, JACQUES DELOR'S WHITE PAPER, M.BANGEMANN INITIATIVE, EUROGI, HUNGARY AND THE EU CANDIDATE MEMBERSHIP, GOVERNMENTAL SUPPORT – OMFB/NCTD)
- **FOUNDATION** (1994, BY 7 INSTITUTIONS)
- **LEGAL FOUNDATION** (1996, 2002: PUBLIC BENEFIT CAT.)
- **STATUTE** (1994, 2003: ALLOWS STUDENT MEMBERS)
- **NETWORKING** (EUROGI, CE GIS/LIS 1993-1996, GISIG)
- **VISIBILITY** (CONFERENCES, E-COURIER, WEBPAGE, LINKS)

MISSION GOALS

- to promote, stimulate, encourage and support the development and use of GI and its associated technologies
- to strengthen the institutional links between the multidisciplinary GI communities in Hungary and in abroad.

OBJECTIVES

- to provide representation and visibility of the GI community's interests in the European Umbrella Organisation for Geographic Information (EUROGI)
- to carry out actions related to the EUROGI membership
- to build up contacts with similar national GI associations
- to provide representation of HUNAGI members' interest on international fora.

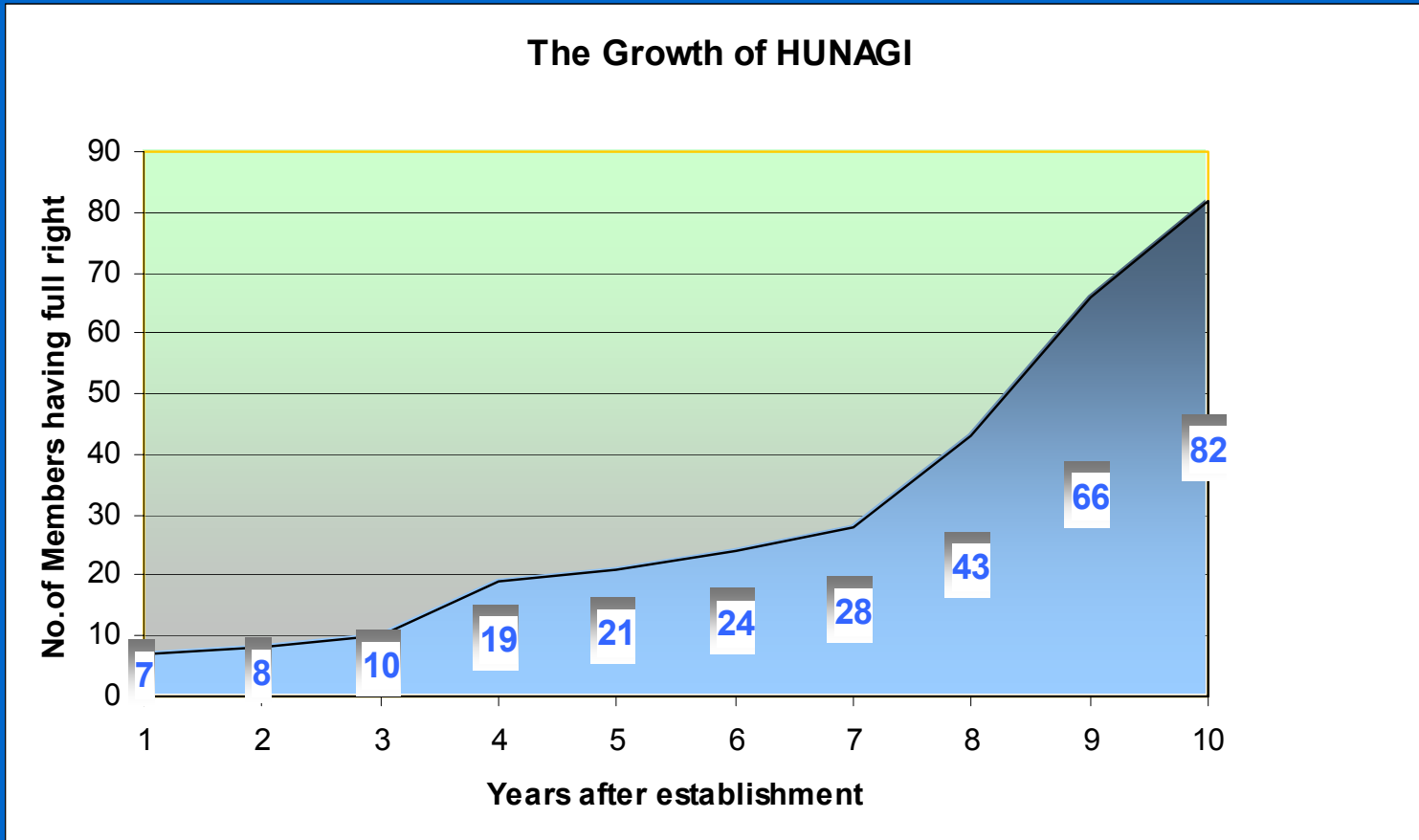
FEATURES

- MULTI- AND INTERDISCIPLINARITY
- PROFESSIONALISM BY DISCIPLINES
- COMMITTED FOR PPP, IDA AND STRENGTHEN THE SDI
- AWARENESS RAISER (TOWARDS DECISION MAKERS AND USERS)
- DISSEMINATES KNOWLEDGE AND INFORMATION
- EXPLORER, CATALYST AND LOBBYIST

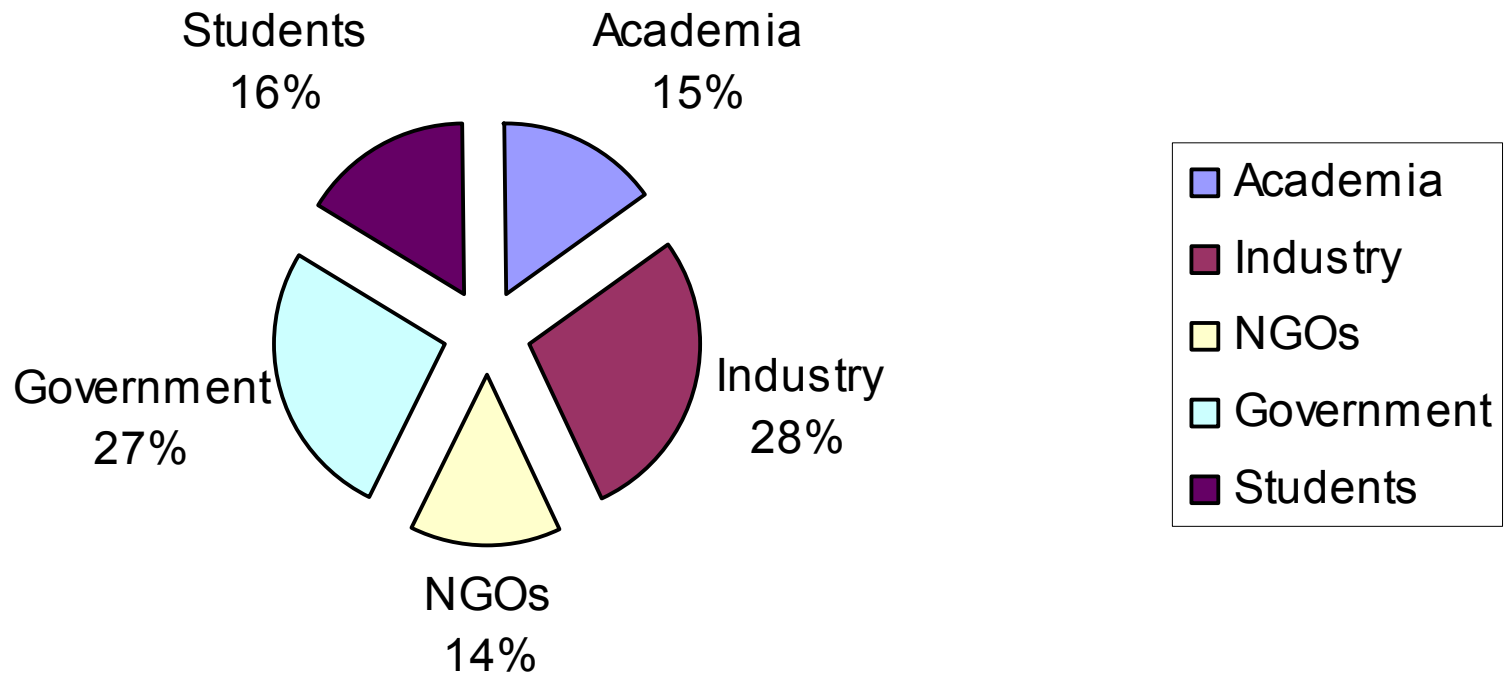
RECENT DEVELOPMENTS

- GROWTH (1994: 7, 2003: 82 INSTs +8 PROJECTs+16 STUDENTS)
- ACTIONS (ABDS, PANEL-GI, GSDI6, INSPIRE, GINIE)
- INVOLVEMENTS (HARD CORE GROUP GROWING)
- VISIBILITY (INSPIRE INTERVIEWS, GINIE SURVEY ON GI MARKET PLAYERS, DYNAMIC PORTFOLIO WITH USE CASES, EUROPEWIDE CADASTRAL GIS SURVEY, MEDIA: GIM, GIS, GeoConnexion, Geodézia és Kartográfia, Térinformatika)
- WELL BALLANCED INDEPENDENCY
- OPENING FOR THE PRIVATE SEGMENT (2001)
- PARTNERSHIP (GISIG, CELK CENTER)
- COORDINATION (INSPIRE WILL FORCE)

EVOLUTION OF THE MEMBERSHIP



REPRESENTED SECTORS



SDI-HU: CORE COMPONENT

- NATIONAL GI STRATEGY (HUNGIS, KPMG, HUNAGI)
- INTERSECTORAL GI WORKING GROUP
- GOVERNMENTAL COMMITTEE ON INFORMATICS AND TELECOMMUNICATIONS
- DECISION OF 15TH OCTOBER 1997
 - NSDI COMPONENTS INCLUDES:
 - GEO-REFERENCED LAND REGISTRY AND CADASTRE
 - TOPOGRAPHIC MAPS
 - ADMINISTRATIVE BOUNDARY DATABASE
 - NATIONAL DIGITAL ORTHOPHOTO COVERAGE
 - HARMONISED GEOGRAPHICAL NAMES
 - PARCEL-BASED IDENTIFICATION AND REFERENCE SYSTEM
 - METADATA AND CLEARINGHOUSE

DRIVING FORCES

- THE EU ACCESSION

(CAP IACS LPIS & CwRS, EWFD, ESTAT COMPENDIUM, AGRO-ENVIRONMENTAL POLICIES etc)

- NATIONAL PROJECTS

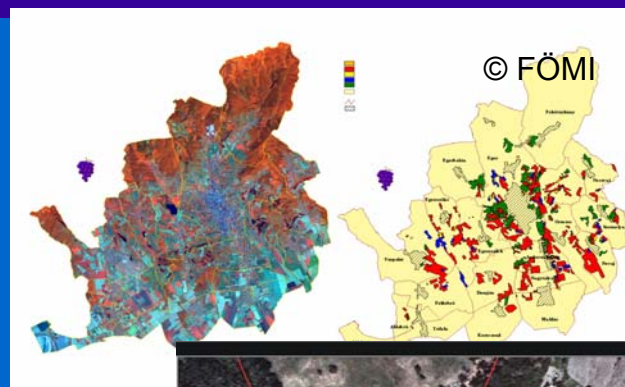
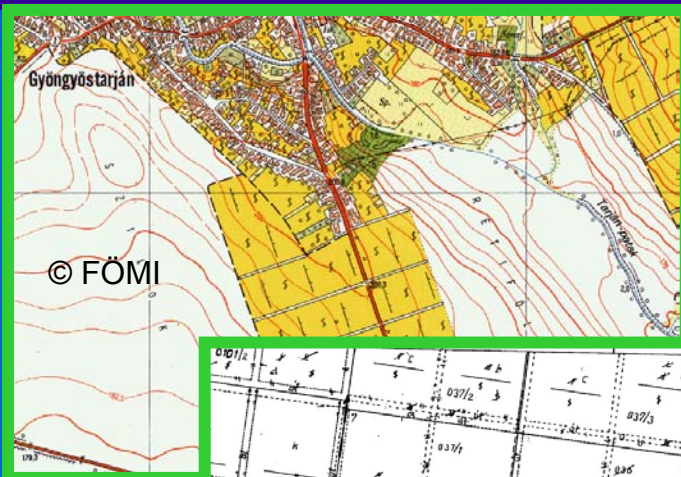
(TISZA RIVER LARGE AREA WATER MANAGEMENT, INTEGRATED RURAL DEVELOPMENT AND LAND USE OPTIMISATION: DISASTER MITIGATION etc.)

- INTERNATIONAL COMMITMENTS

CASE APPLICATIONS

- AGRICULTURE
(CROPMON, TAMELL, PROMEPAR, MEPAR, VINGIS, MADOP)
- REGIONAL PLANNING
(TEIR)
- ENVIRONMENT
(LANDUSE/LAND COVER)
- DISASTER MITIGATION
(TISZA RIVER VTT)

AGRICULTURE

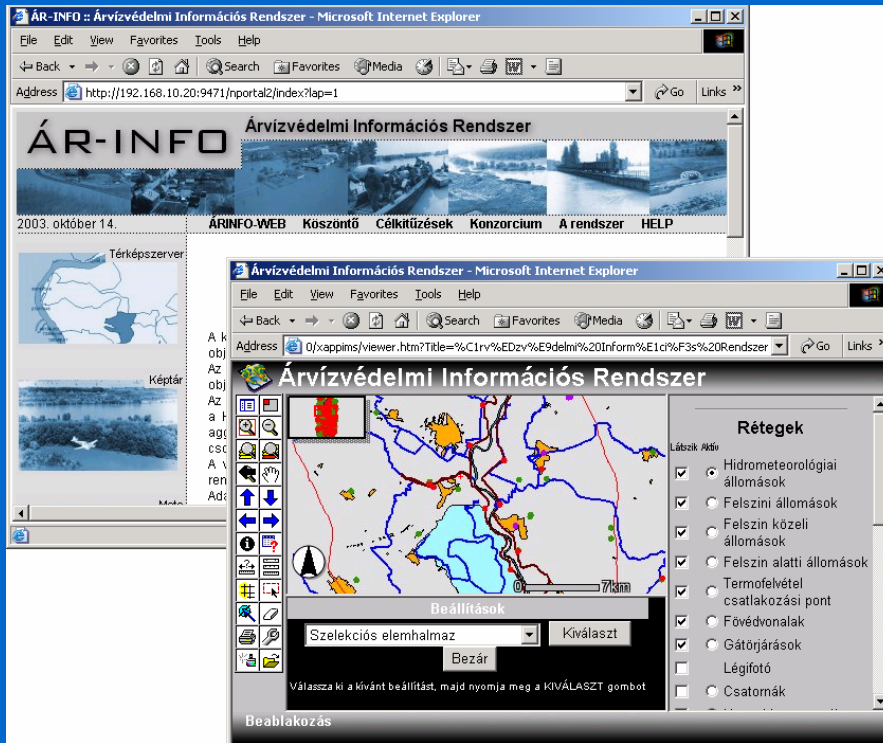


GI infrastructure development of the countrywide vineyard register (VINGIS) in Hungary FÖMI Remote Sensing Center, Hungary www.fomi.hu

1st Phase (2001-2002) approximately 20% of the total area was covered, including 4 wine-growing regions, 48 vineyard communities and 70 settlements. The second phase (2002-2003), which is now on the way to completion, covers 6 wine-growing regions.

Map-viewer program with a map package has been installed, including vector layers of the vineyards with the attached database, In one community of all winegrowing region, Slope-, Aspect-, Height Interval maps and the map of the potentially eligible areas for winegrowing were added. In conjunction with the National Orthophoto Program, orthophotos will also be used in order to increase the accuracy of the register.

DISASTER MITIGATION



- THE FLOOD CONTROL INFORMATION SYSTEM (ARINFO) IS AN INTERNET SYSTEM FOR PUBLIC PURPOSES, WHICH DEPENDING ON EXISTING MAIN DATABASES OF WATER CONSERVANCY. THE SYSTEM OFFERS ALTERNATIVE WAYS TO INPUT FLOOD CONTROL INFORMATION INTO THE WATER CONSERVANCY DATABASES BESIDE CONVENTIONAL METHODS.
- THE FLOOD CONTROL INFORMATION SYSTEMS PORTAL IS HOLD UP THE MODULES OF THE SYSTEM AND SHOW UNIFIED INTERFACE FOR INQUIRING USERS.

GEOVIEW SYSTEMS Ltd, BUDAPEST
www.geoview.hu

INTERNATIONAL SCENE

- **GI ASSOCIATIONS**
(EUROGI, GSDI, Digital Earth, GISIG)
- **MAPPING AGENCIES**
(EuroGeographics, FIG, ISPRS, ICA, IAG)
- **LAND ADMINISTRATIONS**
(UNECE WPLA, UNECE REAG, EuroCadastre, CelkCenter, CINDER)
- **REMOTE SENSING ESTABLISHMENTS**
(EARSeL, EuroSRD)
- **OTHER DISCIPLINES (20+)**
(GEIX, Eurocities, e-RURAL, EFITA etc.)

INTERNATIONAL SCENE

- DG ENVI CORINE LC2000 MEETING
- CELK'S VISIBILITY & NETWORKING CONFERENCE
- GINIE FINAL CONFERENCE
- INSPIRE EXPERT MEETING
- GMES CONFERENCE
- CELK CENTER INT'L MEETING
- WORLD FORUM ON IT & DD (WITH SESSION ON SDI)
- WORLD SUMMIT ON INFORMATION SOCIETY
- EUROSTAT LAND USE/LAND COVER
- 2004: ERTICO BUD MAY 24-26 (WWW.ITSINEUROPE.COM)
- 2005: UNECE WPLA „ONE YEAR AFTER ACCESSION”
TBC
- 2006: 5TH URBAN REMOTE SENSING CONFERENCE (ISPRS) TBC
- 2007: 5TH DIGITAL EARTH INTERNATIONAL SYMPOSIUM TBC

THANK YOU FOR YOUR ATTENTION !