

HIGHER TECHNICAL INSTITUTE
COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT
(USER MANUAL)

A GIS FOR CULTURAL EVENTS IN CYPRUS

(CS/205)

DEMETRIS DEMETRIOU

LOUIS TSOURIS

17 JUNE 1998

HIGHER TECHNICAL INSTITUTE
COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

(USER MANUAL)

A GIS FOR CULTURAL EVENTS IN CYPRUS

CS/205

DEMETRIS DEMETRIOU
LOUIS TSOURIS

17 JUNE 1998

| | |
|----------------------------------|----------------------|
| HIGHER TECHNICAL INSTITUTE | PROJECT NO. 2799A |
|----------------------------------|----------------------|

A GIS FOR CULTURAL EVENTS IN CYPRUS

Project Number : CS/205

Project Report Submitted by : Demetris Demetriou

Louis Tsouris

In partial fulfilment of the requirements for award of the diploma in Computer Studies in General Studies Department of Higher Technical Institute, Nicosia Cyprus.

Project Supervisor : Mrs Pagona Katsouri

B.Sc., M CCS

Lecturer of Computer Studies

General Studies Department

Higher Technical Institute

Nicosia Cyprus

External Assessor : Mr Nikos Anastasiou

B.Sc. Computing & Statistics

Systems Engineer

Information Technology Department

Cyprus Airways

CONTEXTS

Page

I. INTRODUCTION

II. HOW TO USE THIS MANUAL

GETTING STARTED

| | |
|--|----|
| 1.1 SYSTEM REQUIREMENTS | 1 |
| 1.1.1 SERVER REQUIREMENTS | 1 |
| 1.1.2 WORKSTATION REQUIREMENTS | 1 |
| 1.2 INSTALLING THE SYSTEM | 2 |
| 1.2.1 SERVER INSTALLATION | 2 |
| 1.2.2 WORKSTATION INSTALLATION | 7 |
| 1.3 RUNNING AND LOGGING INTO THE SYSTEM | 15 |
| WHAT YOU SHOULD DO FOR THE FIRST TIME | 16 |
| HOW TO SELECT AN OPTION | 16 |
| SPECIAL KEY FUNCTIONS | 17 |
| <i>QUICK START TUTORIAL</i> | |
| 2.1 FILE | 18 |
| 2.2 TOOLS | 19 |
| 2.3 MAINTENANCE | 19 |
| 2.4 MAPS | 20 |
| 2.5 QUERIES | 20 |
| 2.6 REPORTS | 21 |
| 2.7 STATISTICS | 21 |
| 2.8 UTILITIES | 22 |
| 2.9 HELP | 22 |
| <i>SYSTEM OPERATION</i> | |
| RECORD COMMON BUTTONS OPERATIONS | 23 |
| TOOLBARS | 24 |
| COMMON MESSAGES | 26 |
| HOW TO REGISTER EVENTS | 28 |
| 3.1 FILE | 29 |
| 3.1.1 CONNECT TO SERVER | 29 |
| 3.1.2 DOWNLOAD FILES | 29 |
| 3.1.3 PAGE SETUP | 30 |
| 3.2 TOOLS | 31 |
| 3.2.1 ZOOM IN | 31 |
| 3.2.2 ZOOM OUT | 31 |
| 3.2.3 SELECT | 31 |

| | |
|---|-----------|
| 3.2.4 MARQUEE SELECT | 31 |
| 3.2.5 RADIUS SELECT | 32 |
| 3.2.6 GRABBER | 32 |
| 3.2.7 INFO | 32 |
| 3.2.8 LABEL | 32 |
| 3.2.9 RULER | 32 |
| 3.2.10 LEGEND | 32 |
| 3.3 MAINTENANCE | 33 |
| 3.3.1 CINEMA | 34 |
| 3.3.2 DANCE | 35 |
| 3.3.3 FESTIVAL | 36 |
| 3.3.4 GALLERIES | 37 |
| 3.3.5 LECTURES | 38 |
| 3.3.6 MUSIC | 39 |
| 3.3.7 PASWORDS | 40 |
| 3.3.8 PLACES | 41 |
| 3.3.9 POETRY / LITERATURE | 43 |
| 3.3.10 THEATRE | 44 |
| 3.3.11 OTHERS | 45 |
| 3.3.12 PARAMETERS | 46 |
| 3.3.12.1 CINEMA AND THEATRE GATEGORIES | 46 |
| 3.3.12.2 GALLERIES TYPES | 47 |
| 3.3.12.3 MUSIC GATEGORIES | 47 |
| 3.3.12.4 POETRY AND LITERATURE GATEGORIES | 48 |
| 3.3.13 REGISTER EVENTS | 49 |
| 3.4 MAPS | 50 |
| 3.4.1 CYPRUS | 50 |
| 3.4.2 NICOSIA | 51 |
| 3.5 QUERIES | |
| GENERAL INSTRUCTIONS ON HOW TO BUILD QUERIES | 55 |
| 3.5.1 CINEMA QUERY | 58 |
| 3.5.2 DANCE | 59 |
| 3.5.3 THEATRE | 60 |
| 3.5.4 MUSIC | 61 |
| 3.5.5 LECTURES | 62 |
| 3.5.6 GALLERIES | 63 |
| 3.5.7 POETRY AND LITERATURE | 64 |
| 3.5.8 FESTIVALS | 65 |
| 3.5.9 OTHER | 66 |
| 3.5.10 PLACES | 67 |

| | |
|--|----|
| 3.5.11 EXECUTE QUERY | 68 |
| 3.5.12 SQL SELECT | 68 |
| 3.5.13 QUERY PROCESSOR | 70 |
| 3.6 REPORTS | 72 |
| 3.6.1 PLACES REPORT | 72 |
| 3.6.2 PLACES DETAIL REPORT | 73 |
| 3.6.3 ALL CATEGORIES THE SYSTEM COVERS | 73 |
| 3.6.4 CINEMA REPORT | 73 |
| 3.6.5 DANCE REPORT | 73 |
| 3.6.6 FESTIVAL REPORT | 73 |
| 3.6.7 GALLERIES REPORT | 73 |
| 3.6.8 LECTURES REPORT | 73 |
| 3.6.9 MUSIC REPORT | 73 |
| 3.6.10 OTHER CULTURAL EVENTS REPORT | 73 |
| 3.6.11 POETRY AND LITERATURE REPORT | 74 |
| 3.6.12 THEATRE REPORT | 74 |
| 3.6.13 REPORT DESIGNER | 74 |
| 3.7 STATISTICS | 75 |
| 3.7.1 CULTURAL EVENTS TYPE GRAPH | 75 |
| 3.7.2 USAGE OF THE SYSTEM | 75 |
| 3.7.3 USAGE OF THE SYSTEM PER YEAR | 75 |
| 3.7.4 USAGE OF THE SYSTEM PER MONTH | 75 |
| 3.7.5 USAGE OF THE SYSTEM PER QUARTER | 76 |
| 3.7.6 CULTURAL EVENTS PER YEAR | 76 |
| 3.7.7 CULTURAL EVENTS PER MONTH | 76 |
| 3.7.8 CULTURAL EVENTS PER QUARTER | 76 |
| 3.7.9 CINEMA TYPES | 76 |
| 3.7.10 THEATRE TYPES | 76 |
| 3.7.11 MUSIC TYPES | 77 |
| 3.7.12 POETRY AND LITERATURE TRENDS | 77 |
| 3.7.13 GALLERIES TYPES | 77 |
| 3.7.14 PLACES USAGE | 77 |
| 3.8 UTILITIES | 78 |
| 3.8.1 BACKUP | 78 |
| 3.8.2 RESTORE | 78 |
| 3.8.3 CHANGE PASSWORD | 79 |
| 3.8.4 CALENDAR | 80 |
| 3.8.5 CALCULATOR | 80 |
| 3.9 HELP | 81 |
| 3.9.1 QUICK TOUR | 81 |

| | |
|---------------------|----|
| 3.9.2 HELP CONTENTS | 81 |
| 3.9.3 SEARCH | 81 |
| 3.9.4 ABOUT | 82 |

I. INTRODUCTION

The “ A G.I.S for Cultural Events in Cyprus” is a geographical information system for the cultural events taking place in Cyprus, as the title indicates. The system supports:

- a) Facilities for establishing connection with the server and downloading data files.
- b) Facilities for recording the cultural events.
- c) Features for visualization of the information recorded in the system. The information will be presented to the user in the form of Maps, Reports and Queries layouts and in Graph form.
- d) Utilities such as Backup, Restore, Change Password, History file (Creation, Load and Unload option).

The system operates under Windows 95 environment and it is characterized by its friendliness and easy of use. Flexibility and system expandability was a prime issue during the development of the application and further expansion of the project can take place with the minimum effort. Finally the “A G.I.S for Cultural Events in Cyprus” provides extensive help.

II. HOW TO USE THIS MANUAL

This manual is divided to three chapters. The first chapter “Getting Started” starts by indicating what are the system requirements. Next it explains step by step how to install the software on your machine. Finally it presents the way to login the system time. The second chapter “Quick Start Tutorial” provides an overview of the system functions. In the third chapter each function of the system is analysed completely, so that you can work with the system efficiently and get the most out of it.