

HIGHER TECHNICAL INSTITUTE
COMPUTER STUDIES DEPARTMENT

USER MANUAL

GEOGRAPHICAL INFORMATION SYSTEM IN SUPPORT OF
AGRICULTURE DEVELOPMENT

CS/164

Designed and Implemented By :

KYPROS KYRIACOU
PANTELIS PIERIDES

JUNE 1996

HIGHER TECHNICAL INSTITUTE

COMPUTER STUDIES DEPARTMENT

USER MANUAL

**GEOGRAPHICAL INFORMATION SYSTEM IN SUPPORT OF
AGRICULTURE DEVELOPMENT**

CS/164

Designed and Implemented By :

KYPROS KYRIACOU

PANTELIS PIERIDES

JUNE 1996

**GEOGRAPHICAL INFORMATION SYSTEM IN SUPPORT OF
AGRICULTURE DEVELOPMENT**

Project Number : CS/164

**Project report submitted by : Kypros Kyriacou
Pantelis Pierides**

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

Project Supervisor : Mrs Maria Theodorou

B.Sc Computer Science and Accounting (MBACIS)
Lecturer in Computer Science Department
Higher Technical Institute
Nicosia Cyprus

External Assessor : Mr Stelios Papageorgiou

Manager - C.S.S. Computer Consultants

CONTENTS	PAGE
I. Introduction	1
II. How to use this Manual	2
Chapter 1 : GETTING STARTED	
1.1 System Requirements	3
1.2 Installing the System	3
1.3 Running and Logging into the System	4
1.4 What you should do for the first time	4
1.5 How to select an option	5
1.6 Special key Functions	5
Chapter 2 : QUICK START TUTORIAL	
2.1 Maintenance	6
2.2 Mapping	6
2.3 Analysis	7
2.4 Utilities	7
2.5 Exit	7
2.6 Help	8
2.7 Author	8
Chapter 3 : SYSTEM OPERATIONS	
3.1 General Guidelines for the Interface	9
3.2 Setup Buttonpad	13
3.3 Common Buttons found on most Buttonpads	26
3.4 File Maintenance	34
3.4.1 General Messages	37
3.4.2 Cyprus Info File	38
3.4.3 Damage Code File	41
3.4.4 Damage Info File	42
3.4.5 Damage Kind File	45
3.4.6 Dam Info File	46
3.4.7 Dam Level File	49
3.4.8 District Info File	51
3.4.9 Period Code File	53
3.4.10 Personal Info File	54
3.4.11 Product Profile Code File	56
3.4.12 Product Profile Info File	57
3.4.13 Region Info File	60
3.4.14 Village Info File	62
3.4.15 Water Plant Code File	66
3.4.16 Water Info File	67

3.4.17 Water Minimum File	69
3.4.18 Zone Info File	71
3.5 Mapping	73
3.5.1 Cyprus Information Toolbar	75
3.5.2 Village Information Toolbar	77
3.5.3 Region Information Toolbar	79
3.5.4 Zone Information Toolbar	81
3.5.5 District Information Toolbar	83
3.5.6 Agriculture District Information Toolbar	85
3.5.7 Dam Information Toolbar	87
3.5.8 Product Profile Toolbar	88
3.6 Analysis	91
3.6.1 Damages Information Toolbar	92
3.6.2 Water Information Toolbar	97
3.7 Utilities	100
3.7.1 Password	100
3.7.2 Backup	103
3.7.3 Recover	104
3.7.4 Pack	106
3.7.5 Reindex	107
3.7.6 Geocode	108
3.8 Exit	109
3.9 Help	110
3.10 Author	111
How to maintain files containing Geographic Information	115
Updating the User Manual	117

I. INTRODUCTION

The Agriculture G.I.S. is a geographical information system in support of agriculture, as the title indicates. The system supports :

- a) Facilities for recording the Agriculture information required for the second part of the system (Visualizations).
- b) Features for visualizations of the information recorded with the use of the first part of the system (File Maintenance). Information is presented to the user through the use of Maps, Graphs and Browsers.
- c) Utilities such as Backup, Recover, Re-Organization(Re-Index), Pack, Password and Geocode for the efficient administration of the system.

The system operates under windows environment, and is characterized by its friendliness and easy of use. Flexibility was a prime issue during the development of the software, and thus the system can produce various visualizations according to the user needs. Finally the Agriculture G.I.S. provides extensive on-line help.

II. HOW TO USE THIS MANUAL

This manual is divided ^{into} 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 for the first time and also what you should do for the first time. The second chapter “Quick Start Tutorial” provides an overview of the system functions. Finally in chapter three each function of the system is analysed completely, so that you reach a level you can work with the system efficiently and get the most out of it.