

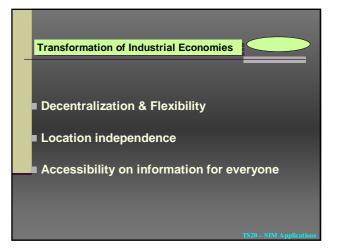


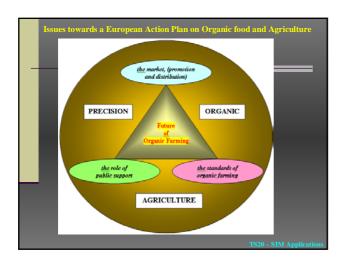
Transformation of Business Enterprise

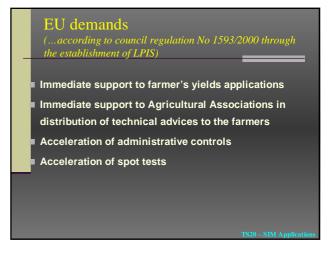
New products and services (credit cards, e-products, etc)

Knowledge and information-based economies

Time – based competition







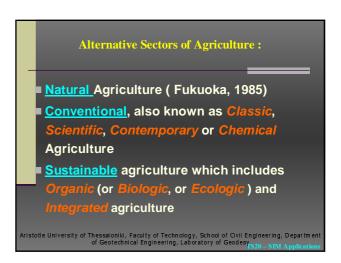








	Public Health	was affected! TS20
Participation of agricultural products in overall danger for cancer		
	PRODUCTS	% participation in overall danger for carcinogenesis
	TOMATO	14.9
	BEEF	11.1
	POTATO	8.9
	ORANGES	6.4
	LETTUCES	5.8
	APPLES	5.5
	PEACHES	5.5
	PORK	4.5
	WHEAT	3.3
	SOYA	2.2
_	BEANS	2.1
	CARROTS	2.1
	CHICKEN	1.9
	MAIZE	1.9
	GRAPES	1.9
	TOTAL	78.0



Principles of Organic Agriculture by IFOAM

(International Federation of Organic Agriculture Movements):

uses biological methods for confrontation of insects, diseases, weeds.

aims on best soil fertility based in natural processes

uses methods of "closed circle" production

avoids heavy machinery because of damages of soil's connectivity and of soil's microorganisms

avoids using chemicals

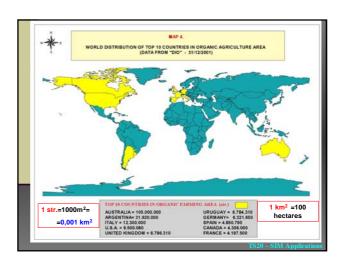
avoids using supplemental in animal nourishing.

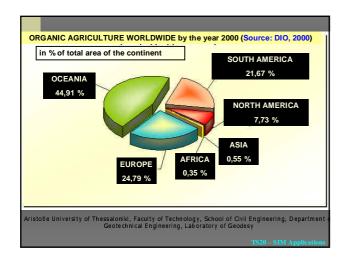
Comparing with conventional agriculture, OA needs about 20% more working hands, getting yield reduction by 10-30%, achieving higher prices in organized marketing infrastructures by 15-20%

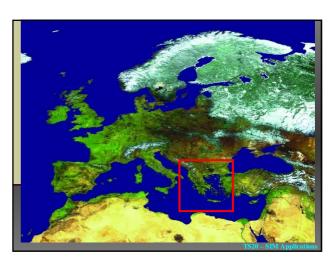
needs 3-5 years to transit a conventional cultivated field to a biologic farming system following the restrictions of Council Regulation (EEC) No 2092/91

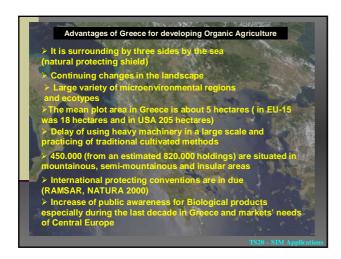
implements crop rotation and co-cultivation of plants.

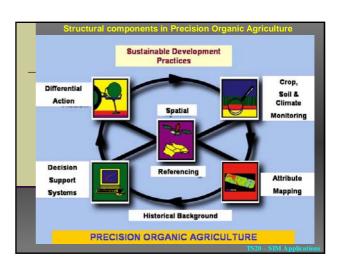
underlies in inspections from authorities approved by the Greek ministry of Agriculture

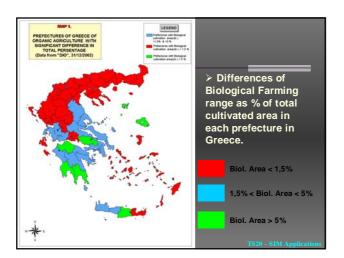


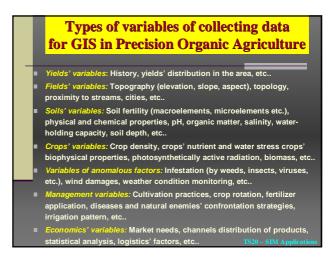


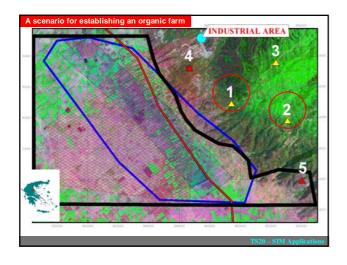


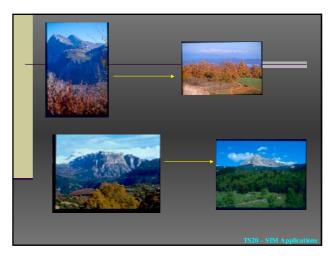








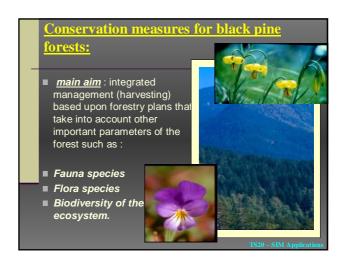








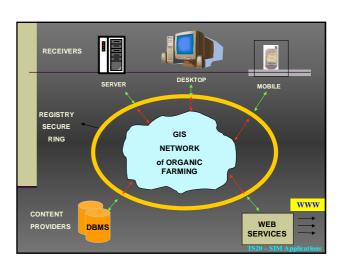
GIS Applications to Agriculture Land use suitability analyses Cropland inventories and yield monitoring Hydrologic / nonpoint source pollution modeling Watershed management Drought mitigation and management Facility management Agricultural product allocation and marketing Forest and silviculture management Rural planning Weather monitoring

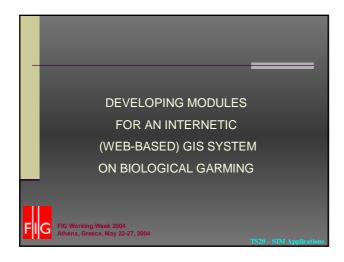


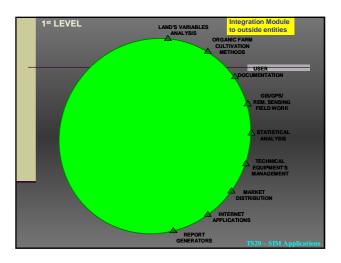
GIS data related files can benefit from globalization of World Wide Web:

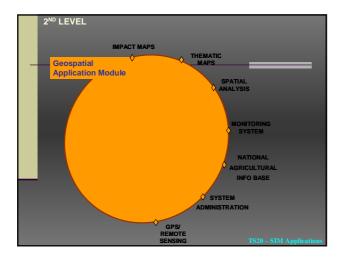
Already existing data in PC-format,
GIS users are already familiar by using software menus,
Easy transmission through Internet of large files,
The Web offers user interaction, so that a distant user can access, manipulate, and display geographic databases from a GIS server computer,
Internet enables tutorials modules and access on educational articles and online classes.
It enables access on latest achievements in research of GIS through on-line proceedings of seminars, conferences, etc.,
Through Open Source GIS, it enables latest implementations of GIS programming and data sharing by minimum or no cost,
Through online viewers and wizards, it gives the capability of someone with minimum knowledge on GIS to get geospatial information by imaging display. (Aber, 2003)

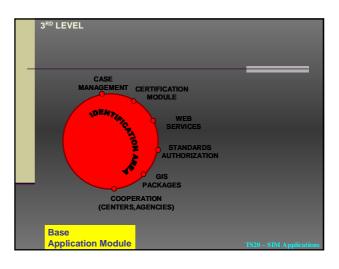
TS20 - SIM Applications

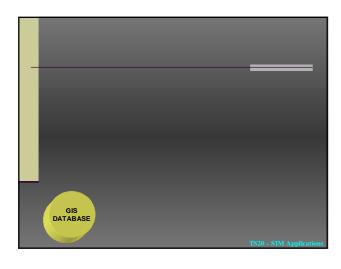


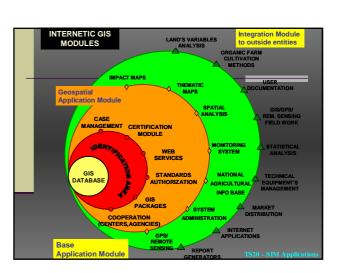


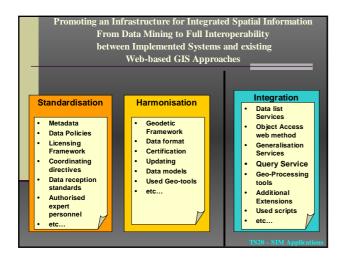


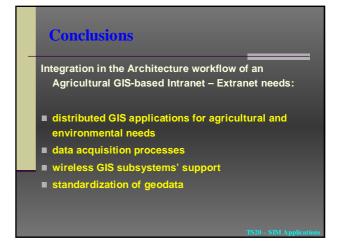




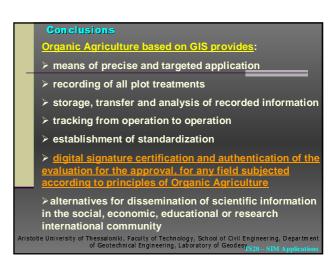














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