



MEDROPLAN
(Mediterranean Drought
Preparedness and Mitigation
Planning)

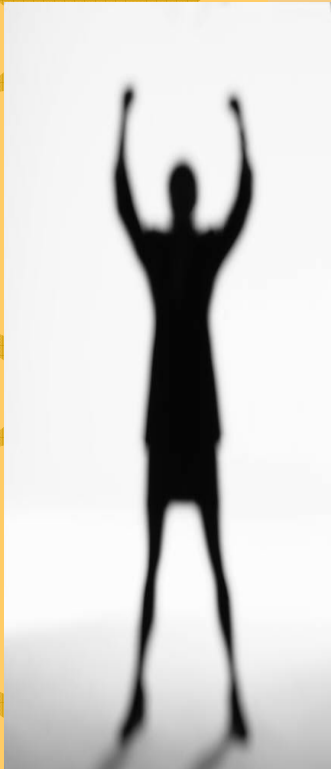


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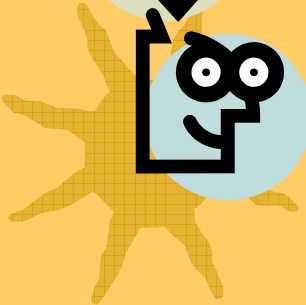
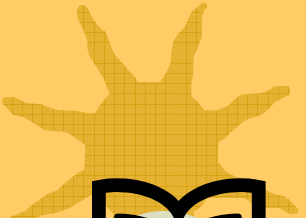
General

- ★ The Mediterranean region Countries are suffering from frequent, long duration, in many cases severe droughts
- ✦ The Mediterranean Region countries because of water scarcity and their Mediterranean Climate are very vulnerable to Droughts.
- ✦ Mediterranean countries suffered from water shortage due to droughts with adverse impacts on their economy on the environment and the social life of their population.



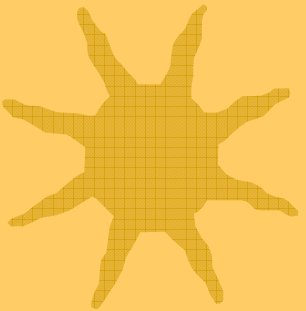


Objective and Purposes of the Project



Through Studies and Analysis to

- ★ Provide Guidelines for Drought Preparedness Plans in the Mediterranean Countries and
- ★ The Framework for the setting up of a Drought Preparedness Network in the Mediterranean Countries





Overall objective



To increase the scientific background and knowledge

a)

on droughts

b)

The types of drought,

c)

Their onset and end

d)

Their frequency of occurrence

e)

Methods of calculation of the impacts

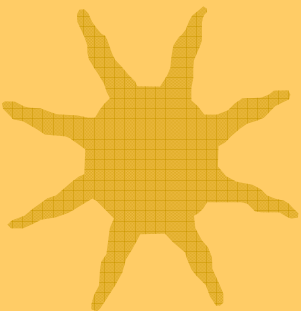
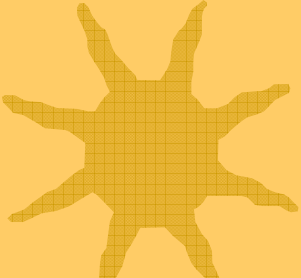
f)

Methodology for preparation of Drought Preparedness Plans.



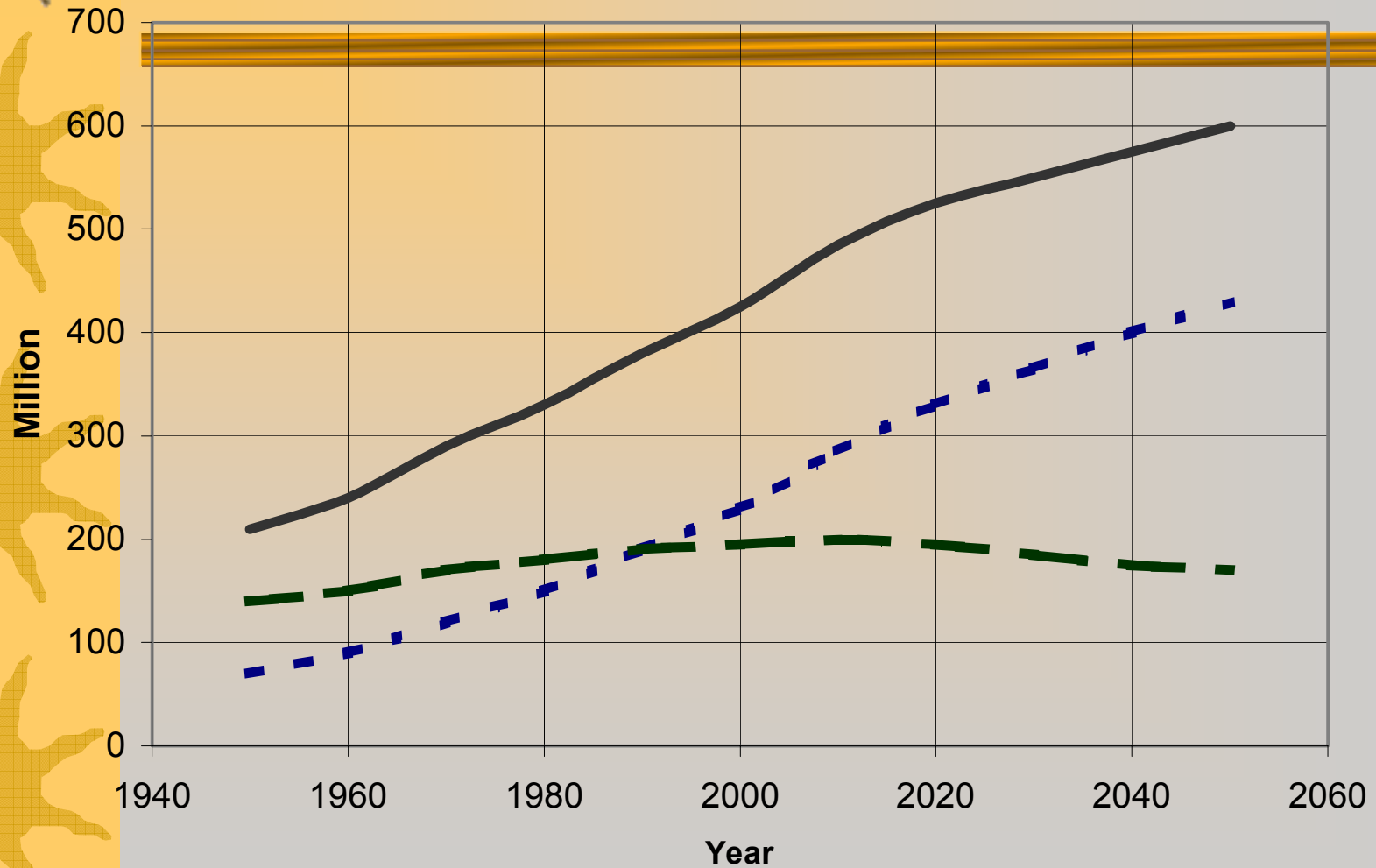


Background Information



- ★ Mediterranean countries suffer from water scarcity with water availability in most countries below 1000 m³/cap. and getting less, where the minimum for sustainable development is 1500 m³/cap
- ★ Mediterranean countries suffer from frequent, severe droughts.
- ★ Mediterranean countries are very vulnerable to droughts with adverse impacts on the social life, on the environment and on the economy.

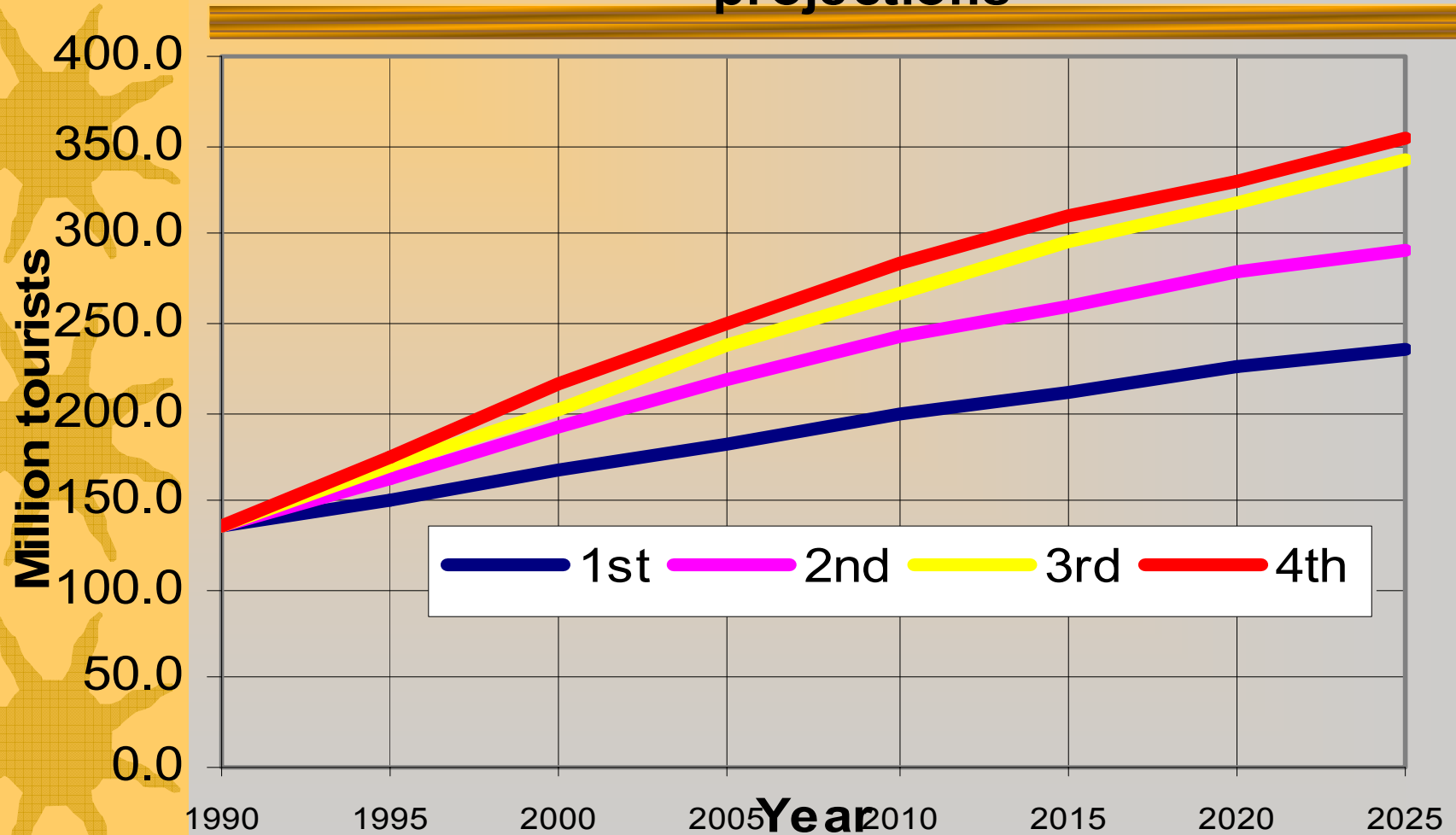
Figure 1. Population and population projection in the Mediterranean region



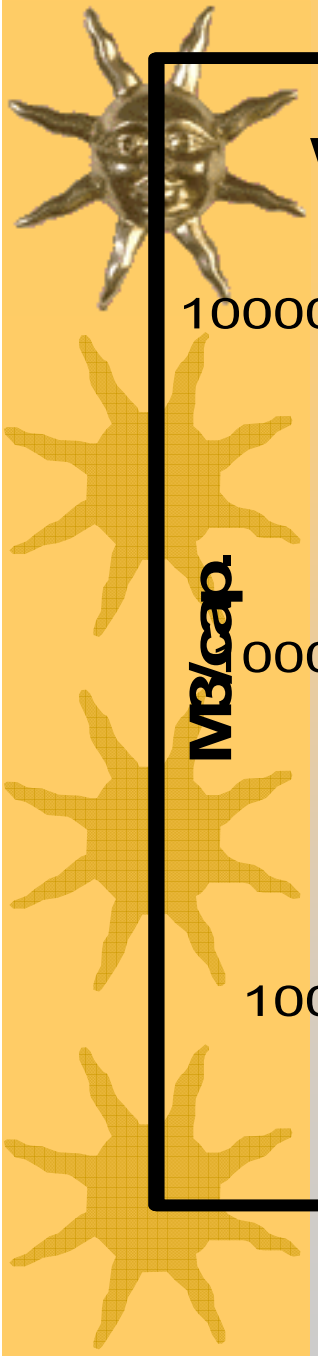
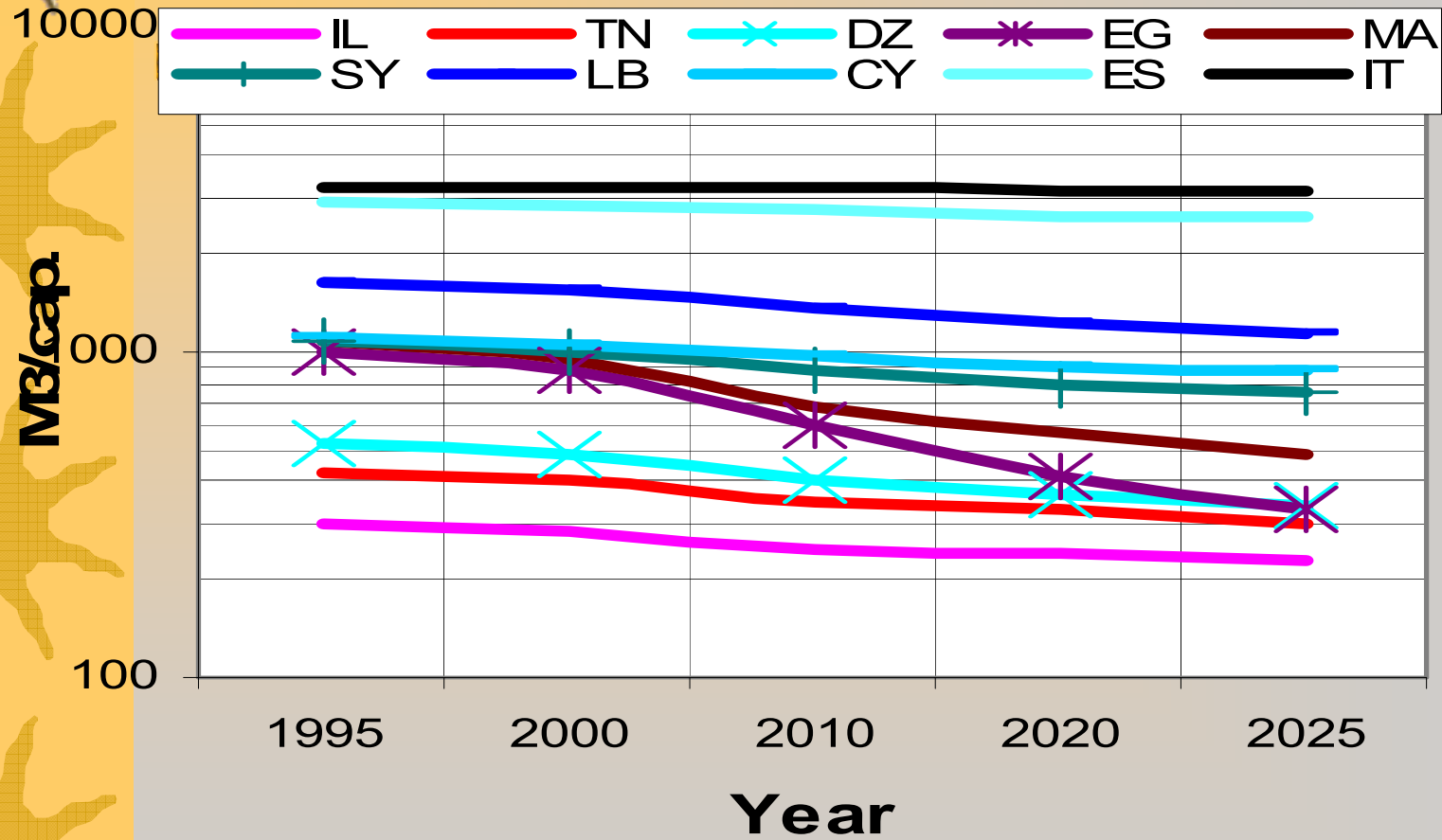
■ South&East ■ North — Total



Figure 2 Number of tourists arrivals in the Mediterranean region under different projections



Water availability in m3 per capita for the years 1995-2025



DROUGHT PROBLEM TREE

DROUGHT

Reduced Rainfall

Increased Temperature

Agricultural Drought

Hydrological Drought

Increased Water Demand

Less Water For Reinfed Crops

No Drought Preparedness PLans

Less Reinfed Product

Less Irrigation Water

Less Industrial Water

Less Domestic Water

Less Water for Environment

Less Irrigated Product

Less Industrial Product

Lower standard of living Health

Wetlands dry up
Damage animal and plant Species

Economic Impacts

Social Impacts

Environmental Impacts

Delay in Economic Development

Social instability

Environment Degradation

Life Degradation

Unsustainable Development



MEDROPLAN Partners



1. Partner 1. Leader Partner: Mediterranean Agronomic Institute of ZARAGOZA, Spain From Spain another three partners are included as follows.

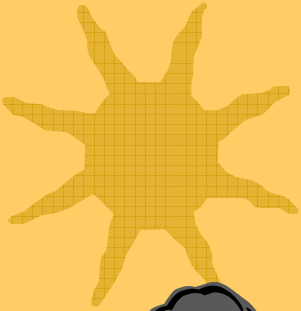
1.1 Tagus River Basin Authority

1.2 Canal de Isabel II

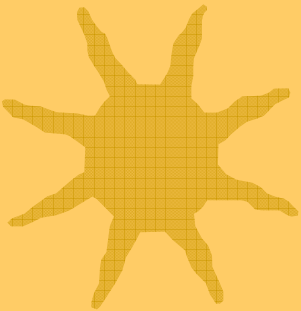
1.3 Foundation for Ecology and Development



MEDROPLAN Partners (2)

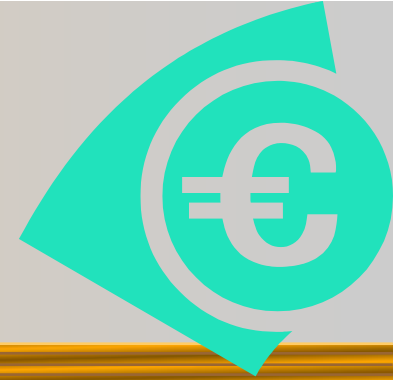


2. Partner 2: University of CATANIA, Italy
- 3 Partner 3: National Technical University of Athens
4. Partner 4: University of CYPRUS
5. Partner 5: Institute Agronomique et Veterinaire Hassan II, MOROCCO
6. Partner 6: General Directorsate of Dams and Large Hydraulic Structures, TUNISIA





MEDROPLAN Budget & Duration



- ★ Total Budget of the Project 3,057,268 EUROS
- ★ Commission Contribution 2,445,814 EUROS being 80 % of the total cost
- ★ Partners Contribution 611,454 EUROS being 20% of the total cost.
- ★ Duration of Project: Four (4) Years



MEDROPLAN Cost Breakdown

No	Description	Amount	Percent
1	Human Resources	2,099,480	68.67%
2	Travel	379,200	12.40%
3	Equipment and Supplies	30,000	0.98%
4	Local Office Project Costs	48,000	1.57%
5	Other Cost Services	164,550	5.38%
6	Administrative	190,486	6.23%
7	Contingencies	145,552	4.76%
8	Total	3,057,268	



MEDROPLAN Coord. Meetings

	1 st Year				2 nd Year				3 rd Year				4 ^h Year			
	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
1 st Meeting																
2 st Meeting, Zaragoza																
3 rd Meeting, Zaragoza																
4 th Meeting, Morocco																
5 th Meeting, Tunisia																
6 th Meeting, Catania, Italy																
7 th Meeting, Athens,																
8 th Meeting, Cyprus																
9 th Meeting, Zaragoza																



OBJECTIVE TREE

Social Security,
Sustainable development

Economic Development

Social Development

Environmental Sustainability

Implementation of Drought Preparedness Plans

Disemination of
Guidelines

Transfer of Know-How

Transfer of Technology

Raise awareness

Testing of Guidelines

Guidelines

Mapping
Study

Risk Analysis
Studies

Best Practices
Report

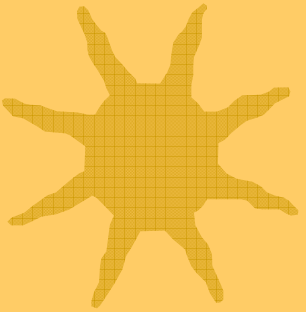
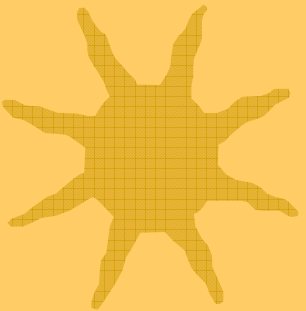
Drought Identifiatioonn
Study

Knowledge

Experience

Information

Cooperation



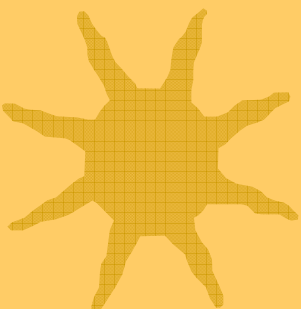
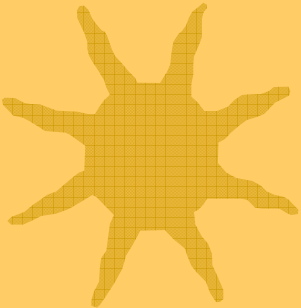
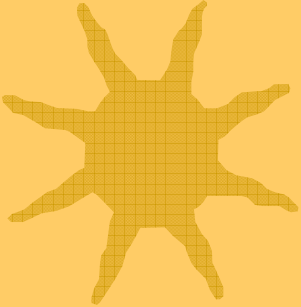


Progress Achieved

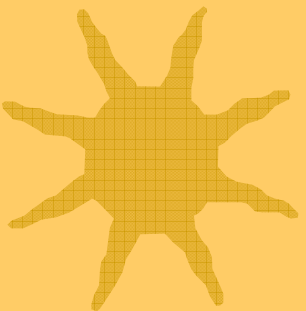
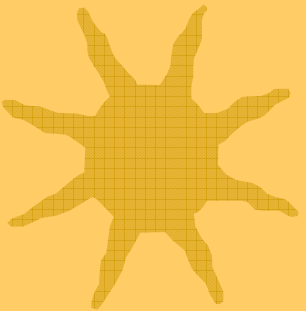
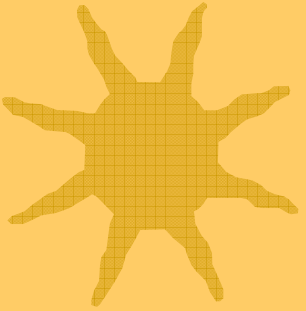
- ★ The Project Started in June 2003.
- ★ Already some 15 month the following have been completed.
 - ★ 1) Work Package 1-Mapping of Drought Organizations.
 - ★ 2) Work Package 2-Term of Reference for Risk Analysis
 - ★ 3) Work Package 3-1st Workshop



Work in Progress



- ★ Now Work-Packages 4 and 5 are under preparation.
- ★ Work Package No 4: Risk Analysis
- ★ Work Package No 5: Best Practices for Drought Mitigation
- ★ Generally the Project is on Time



*Thank you
for
the Attention*

