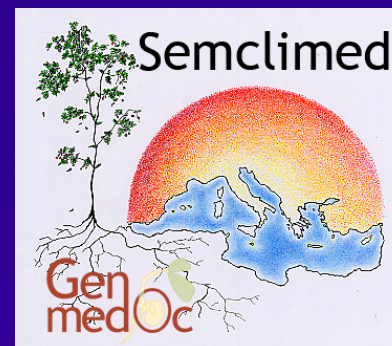


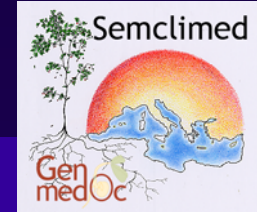
Semclimed, a multifunctional project on the Mediterranean seed conservation and climatic change



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What is SEMCLIMED?

SEMCLIMED* (Semences - Climat - Mediterranee / Seeds - Climate - Mediterranean) is a project funded by the EC's INTERREG funds**, developed by the network GENMEDOC. <http://www.semclimed.org>

GENMEDOC*** is a network of research centres and seedbanks focused on the study and conservation of Mediterranean seeds (both European and non-European countries). This network was established in 2006, at the end of the homonymous project GENMEDOC, also funded by the INTERREG funds. <http://www.genmedoc.org>

*The complete title of the project is: SEMCLIMED. Impact of the Climatic Change on the Mediterranean Flora and Conservation Actions

**The project is financed by the programme INTERREG IIB MEDOCC, for the cohesion of Southern European territories

***GENMEDOC is still a provisional name

****GENMEDOC project was funded by INTERREG IIB MEDOCC



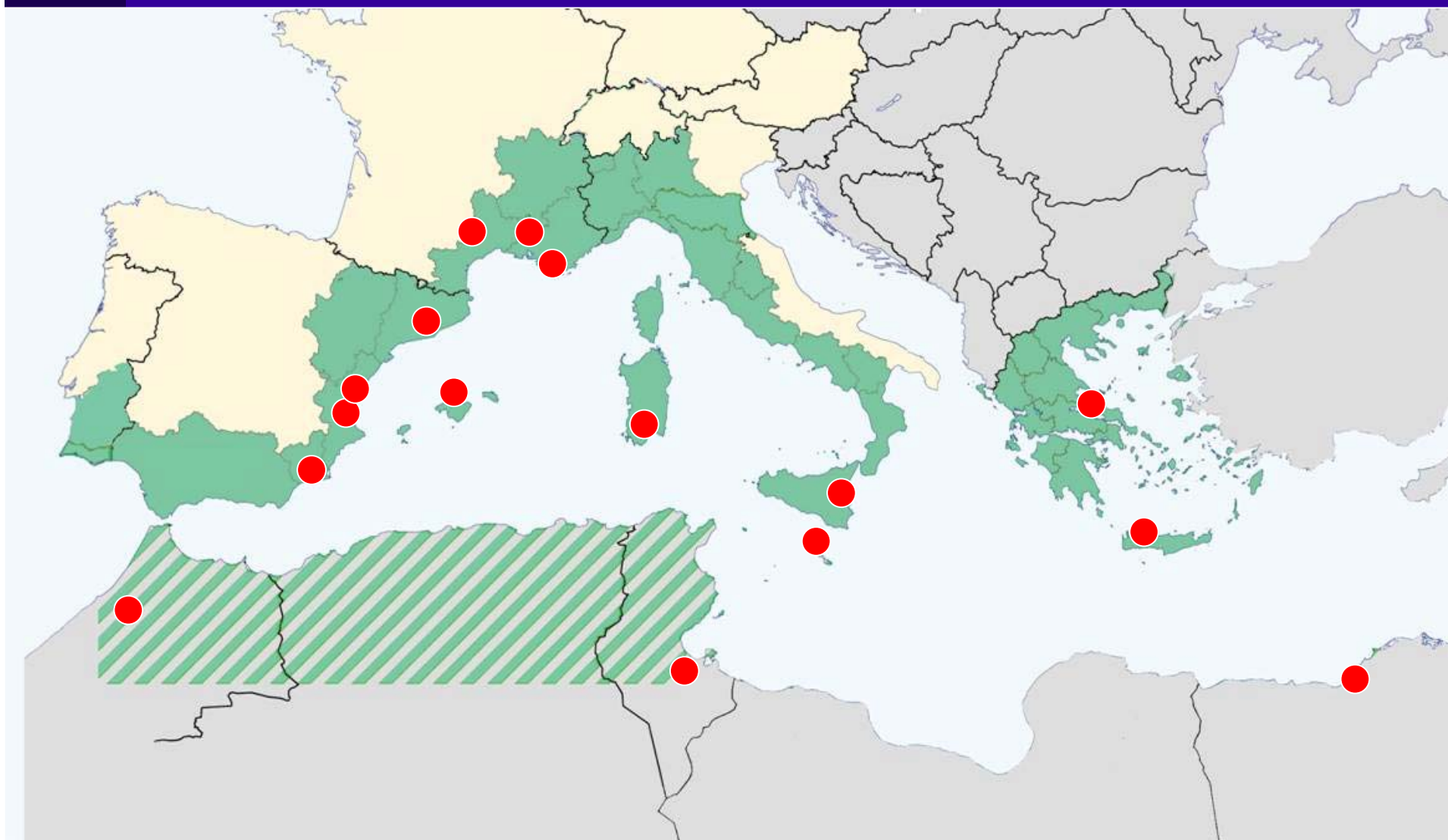
MEMBERS OF THE NETWORK

Currently GENMEDOC network is compound by 16 member institutions, coming from 14 regions of 5 countries

COUNTRY	REGION	MEMBER	ACRONYME
Spain	Valencia	Centro Investigac. Experiment. Forestal	CIEF
		Jardí Botànic Univ.ersitat València	JBUV
	Catalonia	Institut & Jardí Botànic Barcelona	IBB
	Murcia	Dir. Gen. Medi Natural - Region Murcia	DGMN
France	Balearic Isl.	Fundació Jard. Botànic Sóller	JBS
	PACA	Conserv. Bot. National Porquerolles	CBNP
		Conserv. Etudes Ecosystemes Provence	CEEP
	Lang.-Rouss.	Conserv. Espaces Nat. Languedoc-Roussillon	CENLR
Italy	Sardinia	CCB-Dipart. Sci. Botanique, Univ. Cagliari	CCB
	Sicily	Dipartimento. Botanica, Univ. Catania	DBUC
Greece	Attika	National & Kapodistrian Univ.Athens	UNKA
	Crete	Mediterranean Agronomic Instit. Chania	MAICh
Malta	Malta	Argotti Herbarium & Univ. Botanical Gardens	AHUM
Morocco	Rabat	Institut Scientifique Rabat	ISR
Tunisia	Médenine	Institut Régions Arides	IRAM
Egypt	Mansoura	Faculty Sciences, Mansouri University	FSUM

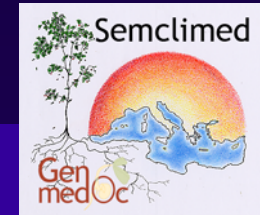


GENMEDOC / SEMCLIMED members



UN RÉSEAU INTERRÉGIONAL DE BANQUES
DE SEMENCES DE LA MÉDITERRANÉE

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Project scope and main traits

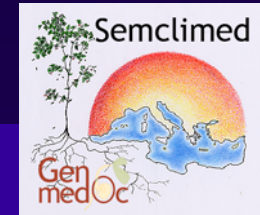
Time: September 2006-April 2008

Actions: 7 actions ('phases')

Main goal:

- To research about the impact of climate change on the germination processes in the Mediterranean Flora
- To generate and spread the knowledge on some resources to combat the impact of climatic change (*ex situ* and *in situ* activities)
- Going on to reach the former goals, but working as a cooperative network of seedbanks, NGOs and research centres

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Phases (Actions)

Phase 1: Functioning

Phase 2: Research focused on the effect of climatic change on the germination

Phase 3: Resources to conserve the North-African Flora

Phase 4: In situ actions to conserve species and habitats

Phase 5: Application of innovative techniques (in vitro)

Phase 6: Gardening with Mediterranean Flora

Phase 7: Spreading results and knowledge

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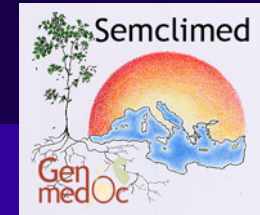


Phase 3: Resources to conserve the North-African Flora

Aid/Facilities (materials, equipment, training, collaboration in seed harvesting) to create or enhance germplasm banks in Morocco, Tunisia and Egypt



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Phase 4: In situ actions to conserve species and habitats

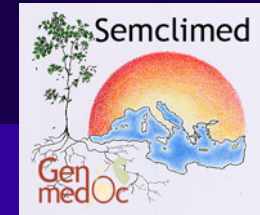
Restoration experiences on vegetation of temporary ponds and small islands in Southern France and Valencia

Population reinforcement of 6-10 threatened species in Southern France, Spain (Valencia and Murcia) and Malta

Habitat management experiences to benefit 9 rare or threatened species in Southern France

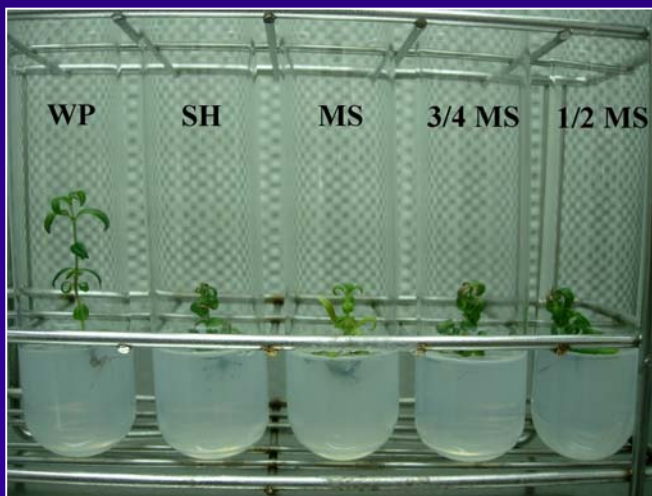


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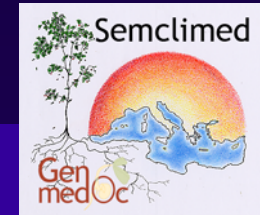


Phase 5: Application of innovative techniques

Training of the partners in recent techniques for plant propagation
Obtention of in vitro micropropagation protocols with 5 species
(*Astragalus nitidiflorus*, *Cistus heterophyllus*, *Helianthemum marminorense*, *Tamarix boveana*, *Tetraclinis articulata*) and application to obtain new plants



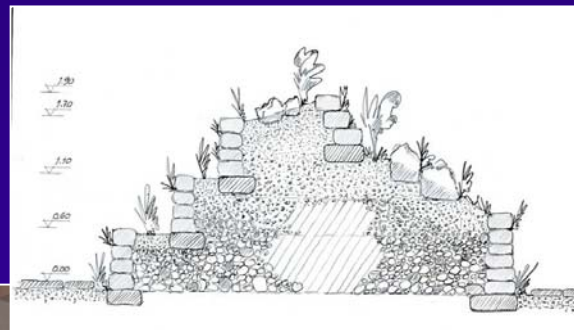
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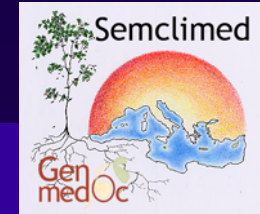
Phase 6: Exhibition of the Natural Heritage: Gardening with Mediterranean Flora

Trainings of the partners at the Botanical Gardens of Sóller

Creation of a network of educative gardens (mainly rock gardens) of rare, threatened and endemic species around the Mediterranean (1 or more per region)



Phase 2: Research on climatic change and its impact on germination of Mediterranean plants

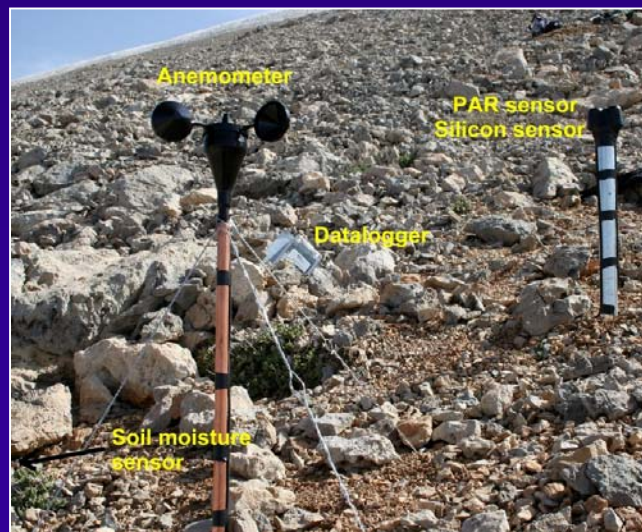
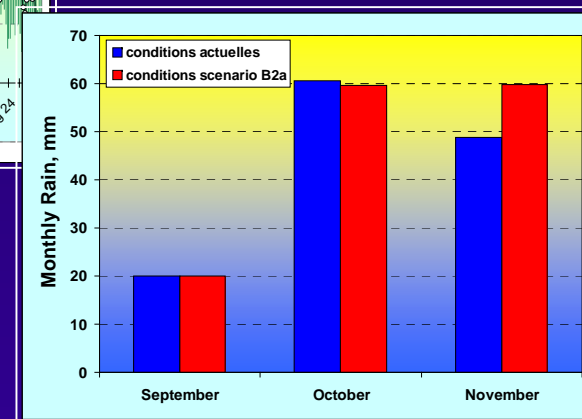
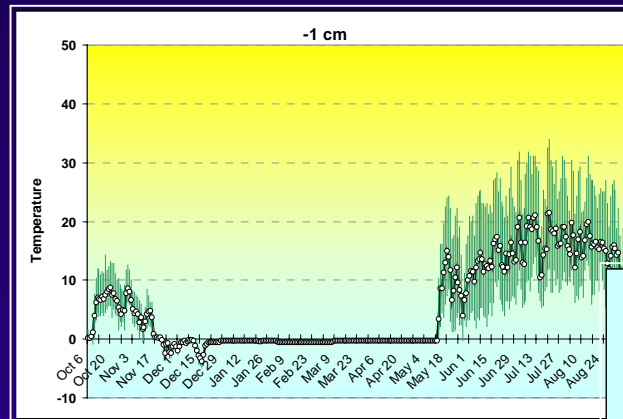


Main purpose is to know the seed germination behaviour of 68 species picked up by the partners in their region areas, simulating several scenarios of climatic change into phytotrons

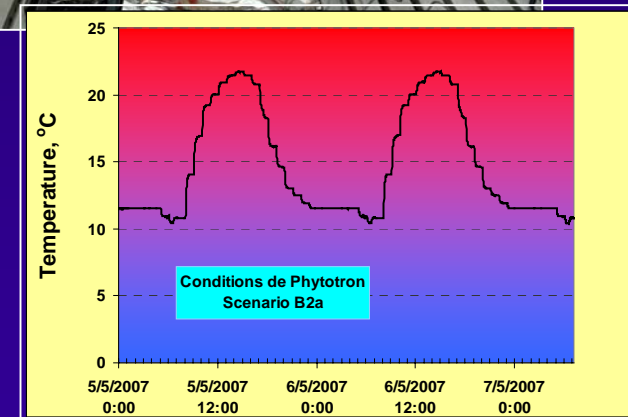
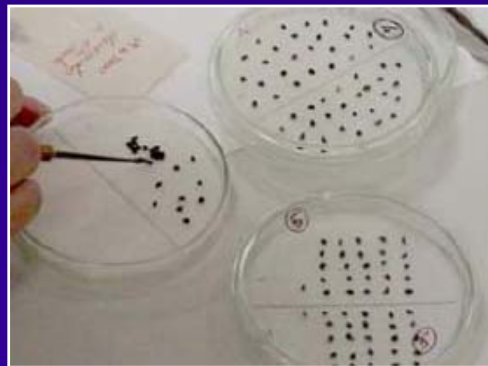
- Election of 2 models*/scenarios of climatic change, to be modelised
- Seeds harvesting, storage and exchange; field monitoring with data loggers
- Simulation of the climatic scenarios in phytotrons (up to 24 steps per day to change temperature and light conditions) with seeds 68 species

*One model for Western Mediterranean and another for the Eastern side

Phase 2: Research on climatic change and its impact on germination of Mediterranean plants



Phase 2: Research on climatic change and its impact on germination of Mediterranean plants



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Spreading the knowledge

Actions for public information and awareness, as well as spreading of technical and scientific results:

- Leaflets
- Technical handbooks
- Exhibitions
- Databases
- Workshops
- Website:



Webpage (under construction): <http://www.semclimed.org> / www.genmedoc.org

News Blogspot: <http://semclimed.blogspot.com>

Project explanation: <http://www.ccb-sardegna.it> (click on GENMEDOC project)

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On behalf of all the SEMCLIMED/GENMEDOC partners,
many thanks for your attention



For additional information, please
contact:

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