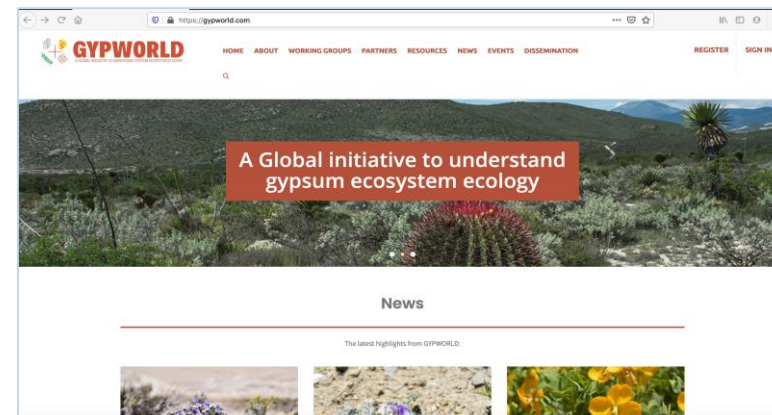


A Global initiative to understand gypsum ecosystem ecology

The GYPWORLD project aims at an integrated global study of the ecology and evolution of plant and lichen life on gypsum, including eight gypsum-rich regions from four continents that differ in geological origin, climate, and flora. In particular, the project aims to:

- Assess the plant and lichen diversity of gypsum
- Investigate the evolutionary origins and assembly of these floras
- Evaluate potential adaptive mechanisms on gypsum, the functional structure of gypsum plant and lichen communities, and the processes regulating gypsum ecosystem function
- Analyse the responses of gypsum communities to global change drivers and explore how gypsum ecosystem restoration/conservation may help mitigate the effects of global change
- Promote the study of gypsum ecosystems;
- Communicate the ecological and conservation value of these ecosystems to the public.

Gypsum soils occur worldwide and represent natural laboratories of evolution and ecology. The unusual mineral content of gypsum soils is a significant barrier to the growth of most plants, and yet these soils host highly diverse endemic floras that have evolved independently on five continents. Nevertheless, these ecosystems are poorly understood compared to those of other unusual substrates. Little is known about the conservation status of gypsum floras, the potential impact of climate change on them, and their responses to mitigation and restoration.



<http://gypworld.co>

Partners

John Carroll University

John Carroll University
USA



Tarbiat Modares University
Iran



Universidad Nacional Autónoma de México
Mexico



Universidad de Almería
Almería (Spain)



Department of Forest - Ministry of Agriculture, Natural Resources and Environment, Government of Cyprus
Cyprus



Universidad Rey Juan Carlos, UJC
Madrid, Spain



OPEN UNIVERSITY OF CYPRUS
www.uoc.ac.cy



Consejo Superior de Investigaciones Científicas, CSIC
Jaca, Spain



GOVERNMENT OF WESTERN AUSTRALIA
Department of Biodiversity, Conservation and Attractions, Western Australia
Australia



Università degli Studi di Reggio Calabria
Calabria (Italy)



OBERLIN COLLEGE & CONSERVATORY
USA



UNLPam
Universidad Nacional de La Pampa
La Pampa (Argentina)



Ankara Üniversitesi
Ankara, Turkey



Ferdowsi University of Mashhad
Iran



Universidad de Concepción
Concepción (Chile)



New Mexico State University
New Mexico (USA)



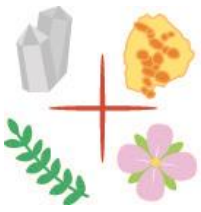
University of Tehran
Tehran (Iran)



Universidade de Coimbra
Coimbra (Portugal)



Call: H2020-MSCA-RISE-2017
Type of Action: MSCA-RISE
Acronym: GYPWORLD
Current Phase: Grant Management
Number: 777803
Duration: 48 months
GA based on the: H2020 MGA MSCA-RISE
Start Date: 01 Jan 2018
Estimated Project Cost: €751,500.00
Contact: Marina ROYER TOUPITSYNA



GYPWORLD

A GLOBAL INITIATIVE TO UNDERSTAND GYPSUM ECOSYSTEM ECOLOGY

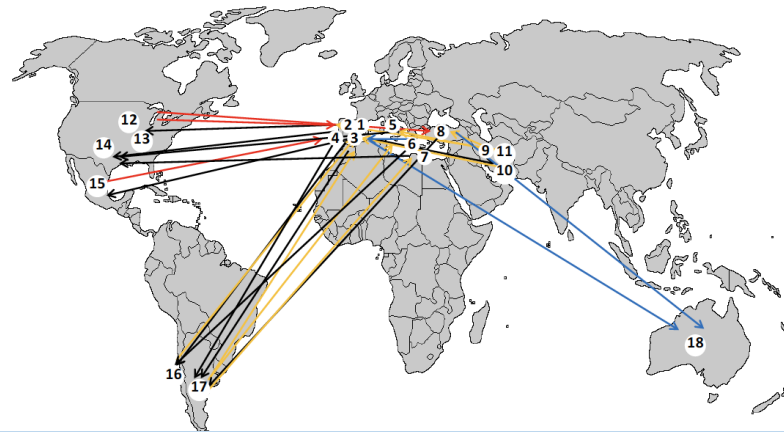
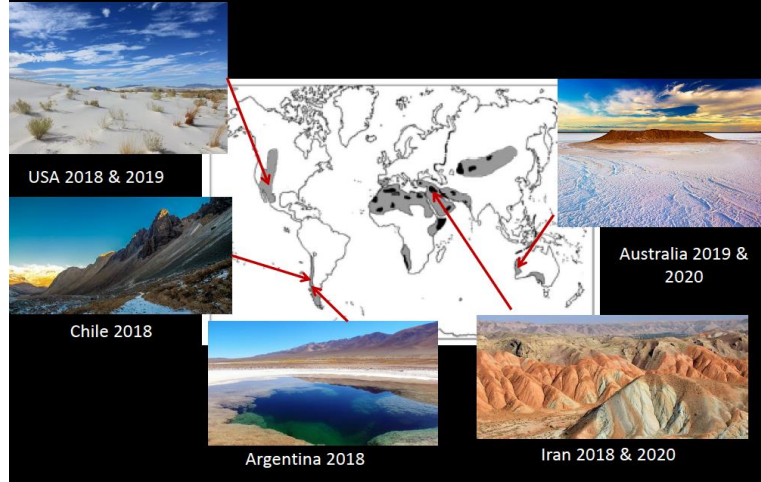
A Global initiative to understand gypsum ecosystem ecology

The GYPWORLD project

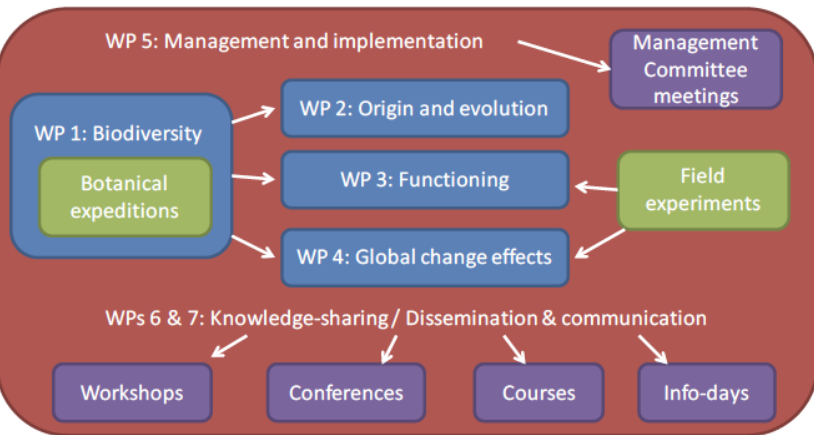
General aim: perform an integrated, global study of the ecology and evolution of plant and lichen life on gypsum.



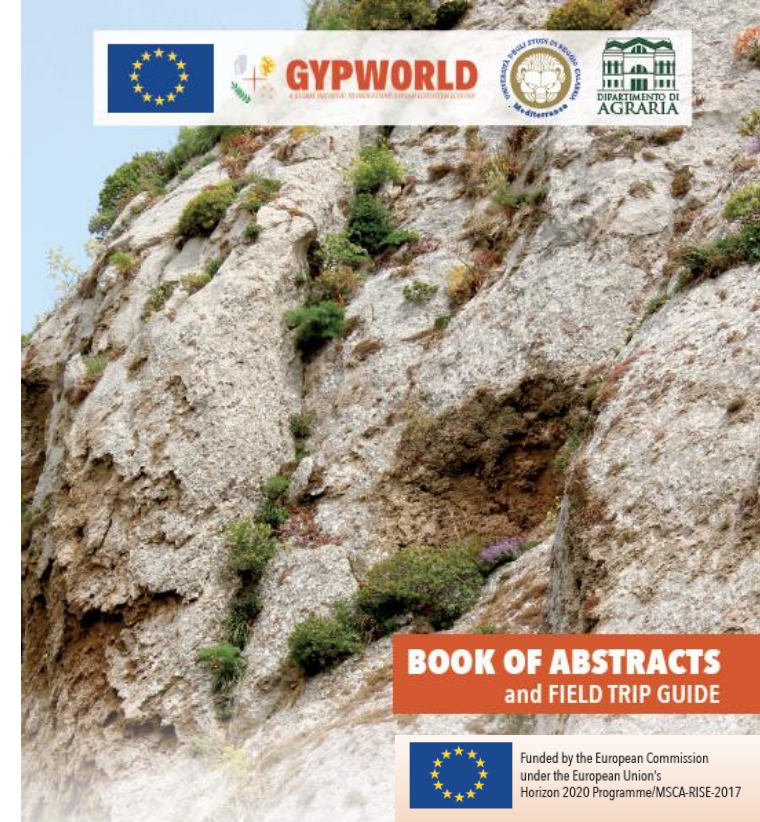
GYPWORLD project: Expeditions planned



Distribution of project partners and the direction of the proposed mobility actions of researchers among participant institutions. 1 = CSIC, 2 = URJC, 3 = UAL, 4 = UC, 5 = UNIRC, 6 = OUC, 7 = DF-GC, 8 = AU, 9 = UT, 10 = TMU, 11 = FUM, 12 = OC, 13 = JCU, 14 = NMSU, 15 = UNAM, 16 = UdeC, 17 = UNLP, 18 = NTH.



Flow chart showing the different scientific (blue) and cross-cutting (red) work packages of the Project (WPs) and their interrelationship through the main research (green) and management-networking (purple) actions planned.



2nd INTERNATIONAL WORKSHOP
GYPWORLD
 1-4 APRIL 2019 - REGGIO CALABRIA (ITALY)

Editors: Carmelo Maria Musarella and Giovanni Spampinato

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