G2P-SOL  
Project ID: 677379  
Funded under:  
H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

Linking genetic resources, genomes and phenotypes of Solanaceous crops  
From 2016-03-01 to 2021-02-28, ongoing project | G2P-SOL Website

Project details

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<th>Total cost:</th>
<th>Topic(s):</th>
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<tr>
<td>EUR 6 891 265</td>
<td>SFS-07b-2015 - Management and sustainable use of genetic resources</td>
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<tr>
<th>EU contribution:</th>
<th>Call for proposal:</th>
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</table>
| EUR 6 891 265 | H2020-SFS-2015-2  
See other projects for this call |

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<th>Coordinated in:</th>
<th>Funding scheme:</th>
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<td>Italy</td>
<td>RIA - Research and Innovation action</td>
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Objective

G2P-SOL is a research alliance bringing together the major European and International repositories of germplasm with public and private institutions active in genomics, phenotyping and breeding in the four major Solanaceous crops: potato, tomato, pepper and eggplant. These four crops constitute 66% of the value of European horticultural production, and over 65,000 accessions are available within the consortium. By harnessing the available global biodiversity, novel genotyping and phenotyping concepts and data analysis tools, the G2P-SOL project will link the genetic code underlying Solanaceae biodiversity with the traits that improve productivity, adaptation and human health. By making this information accessible to end-users, the awareness of the available diversity will be increased and use of this genetic diversity in breeding programs will be stimulated, resulting in diversified production chains. The phenotypes and traits of material held in European and major international collections will be described using common ontology terms developed in this project and this information will be housed in an open source software platform, allowing easy interfacing with existing platforms for germplasm cataloguing. G2P-SOL will develop shared values in science and education in the following areas: 1) Defining and maintaining genetic pools for crop improvement. 2) Phenomic and genomic data: generation, analysis, storage, and linkage with gene banks. 3) Pre-breeding and germplasm enhancement. 4) Training, workshops and public outreach. G2P-SOL will redefine how to manage and organize genetic resources and linked genomic and phenomic information in a manner that will make them accessible to naturalists, geneticists and breeders for conservation, scientific research, and breeding in the post genomic era, in compliance with the objectives of the International Treaty on Plant Genetic Resources and the Nagoya Protocol.

Related information

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<th>Periodic Reporting for period 1 - G2P-SOL (Linking genetic resources, genomes and phenotypes of Solanaceous crops)</th>
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<td>News</td>
<td>G2P-SOL Entry Level Training School on Using Potato Biodiversity in Breeding</td>
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Research and Innovation
Coordinator

AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L’ENERGIA E LO SVILUPPO ECONOMICO

SOSTENIBILE

LUNGOTEVERE GRANDE AMMIRAGLIO THAON DI REVEL 76

00196 ROMA

Italy

Activity type: Research Organisations

Contact the organisation

Participants

STICHTING WAGENINGEN RESEARCH

DROEVENAALSESTEEG 4

6708 PB WAGENINGEN

Netherlands

Activity type: Research Organisations

Contact the organisation

THE JAMES HUTTON INSTITUTE

ERROL ROAD INVERGOWRIE

DD2 5DA DUNDEE

United Kingdom

Activity type: Research Organisations

Contact the organisation

THE HEBREW UNIVERSITY OF JERUSALEM

EDMOND J SAFRA CAMPUS GIVAT RAM

91904 JERUSALEM

Israel

Activity type: Higher or Secondary Education Establishments

Contact the organisation

LEIBNIZ - INSTITUT FUER PFLANZENGENETIK UND KULTURPFLANZENFORSCHUNG

CORRENSTRASSE 3

06466 SEELAND OT GATERSLEBEN

Germany

Activity type: Research Organisations

Contact the organisation
UNIVERSITAT POLITECNICA DE VALENCIA
CAMINO DE VERA SN EDIFICIO 3A
46022 VALENCIA
Spain
EU contribution: EUR 484,248,75

Activity type: Higher or Secondary Education Establishments
Contact the organisation

UNIVERSITA DEGLI STUDI DI TORINO
VIA GIUSEPPE VERDI 8
10124 TORINO
Italy
EU contribution: EUR 298,687,50

Activity type: Higher or Secondary Education Establishments
Contact the organisation

INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE
Rue De L'Universite 147
75338 PARIS CEDEX 07
France
EU contribution: EUR 397,000

Activity type: Research Organisations
Contact the organisation

CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA
VIA PO 14
00198 ROMA
Italy
EU contribution: EUR 287,000

Activity type: Research Organisations
Contact the organisation

THE AGRICULTURAL RESEARCH ORGANISATION OF ISRAEL - THE VOLCANI CENTRE
Derech Hamcabim 68
50250 BET DAGAN
Israel
EU contribution: EUR 245,000

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Contact the organisation
EURICE EUROPEAN RESEARCH AND PROJECT OFFICE GMBH

HEINRICH-HERTZ-ALLEE 1
66386 ST INGBERT
Germany

EU contribution: EUR 537 185

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

INSTYTUT Hodowli I Aklimatyzacji Roslin - Panstwowy Instytut Badawczy
RADZIKOW
05-870 BLONIE
Poland

EU contribution: EUR 182 830

Activity type: Research Organisations

Contact the organisation

CENTRO INTERNACIONAL DE LA PAPA
AVENIDA LA MOLINA 1895
12 Lima
Peru

EU contribution: EUR 395 892,50

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation

PHENOM NETWORKS LTD
10 PLAUT ST. SCIENCE PARK 1ST FLOOR
76706 REHOVOT
Israel

EU contribution: EUR 280 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

MINISTRY OF AGRICULTURE AND FORESTRY
Eskişehir Yolu 9. Km
06000 Ankara
Turkey

EU contribution: EUR 176 625

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation
MARITSA VEGETABLE CROPS RESEARCH INSTITUTE  Bulgaria
BREZOVSKO SHOSSE STREET 32
4003 PLOVDIV
Bulgaria
See on map

**Activity type:** Research Organisations

Contact the organisation

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ASIAN VEGETABLE RESEARCH AND DEVELOPMENT CENTER  Taiwan
60 YI-MIN LIAO SHANHUA
74199 TAINAN
Taiwan
See on map

**Activity type:** Research Organisations

Contact the organisation

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BLUMEN GROUP SPA  Italy
CORSO VENEZIA 36
20121 MILANO
Italy
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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CONSORZIO SATIVA SOCIETA' COOPERATIVA AGRICOLA  Italy
VIA CALCINARO 2425
47521 CESENA
Italy
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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**Last updated on** 2017-08-22

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