

# **SOLANACEAE WG REPORT FOR PHASE IX (2014-2018)**

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## **1. CONTRIBUTION TO ECPGR OBJECTIVES**

### **1.1. Achievements and success stories**

*Outcome 1. AEGIS is operational. Accessions in AEGIS are characterized and evaluated.*

- The AQUAS quality system was adopted and implemented by the WG through the approval in January 2016 of the Solanaceae-specific genebank standards for orthodox seeds.
- Operational manuals of five Solanaceae WG members' institutes on AEGIS website

*Outcome 5. Relations with users of germplasm are strengthened.*

- Regeneration, characterization of Solanaceae by private companies. This working mode has been promoted during meetings.

### **1.2. Gaps or constraints identified**

- The limited/no response of WG members makes it impossible to make progress.
- There are too many members in the working group. Only a limited number knows each other. This inhibits the idea of building a network with dedicated people. My proposal for phase X is that members of a WG must be closely related to collections (curators, documentation). When other expertise is needed, they can be the intermediary.

## **2. GRANT SCHEME ACTIVITIES**

- **Grant Scheme proposals (submitted: 2; approved: 0)**

## **3. OTHER ACTIVITIES (CROSS-WORKING GROUP ACTIVITIES, LINKS WITH OTHER NETWORKS, PROJECTS AND INITIATIVES)**

- **Cross-Working Group activities:** none
- **Others**


Horizon 2020 project G2P-SOL: A global research alliance to preserve and revive the genetic resources of Solanaceous crops

Several members of the WG are involved in this project.

The G2P-SOL project will focus on harmonisation of information on Solanaceous germplasm resources, and perform sequence-based genotyping and phenotyping for

traits of strategic importance for each crop. The project wants to sequence about 50 000 accessions of solanaceous crops to determine the diversity and to establish core collections for these crops. WG members entered thousands of accessions into the project for evaluation

#### **4. WORKING GROUP DOCUMENTS AND PUBLICATIONS**

 [Crop-specific genebank standards for orthodox seeds \(agreed by the Solanaceae WG, January 2016\)](#) (86 KB)

#### **5. EXPECTED ADDITIONAL ACHIEVEMENTS AND FUTURE ACTIVITIES**