



# Implementation of a basic QM System

Natallia Valasevich (CEITEC), Jakub Jez (VBCF)

24. 09. 2018



# Pilot project introduction



- Project partners
  - **CEITEC Plant Sciences Facility & VBCF Plant Sciences Facility**
- Complementary equipment/expertise used for the project (including pictures, if possible)
  - **Previous experience in QM**
- Basic project idea
  - **To establish a basic QM and RM system which will facilitate high-quality of services**
- Project goal
  - **To improve and maintain high-quality of services and to mitigate potential risks on operational level.**
- Potential end-users:
  - **Academic plant research groups (basic and applied research)**
  - **Food security agencies (AGES)**
  - **Plant breeding companies**

# Project implementation

## Training in RM

**Mapping of all Facility Process**, protocols, methods, etc.

**Translation to English**

**Establishing of a custom SOP layout and respective transcription** of all protocols

**Mapping of potential risks** (technical and operational)

**Establishing of check lists** for:

1. Daily facility control procedures by the Facility technicians
2. Weekly technical facility control procedures by the Facility Head

**Improving the phytotron alarm chain procedures**

**Risk assessment of technical infrastructure** and establishing of **risk mitigation measures:**

Mapping of available spare parts, mapping of missing spare parts

Establishing of **SOPs for the work with plant pathogens (e.g. viruses):**

**Pathogen risk assessment procedures**

**Risk mitigation measures:** implementing a dedicated plant pathogen phytotron

# Project results

## SOPs for all operational processes

### CHECK LISTS

1. Daily facility control procedures by the Facility technicians
2. Weekly technical facility control procedures by the Facility Head

### NEW, IMPROVED ALARM CHAIN PROTOCOL IMPROVED PEST MANAGEMENT PROTOCOL

### Technical risk mitigation measures:

1. Replacement of the main cooling pump to a redundant twin pump (main risk)
2. Updated spare parts stock and inventory list
3. Technical check list (weekly)

### SOP for the WORK WITH PLANT PATHOGENS (e.g. viruses): Pathogen risk assessment protocol Dedicated phytotron for work with plant pathogens

### NEW Soil: Gramoflor 2006

Basic QM System

