



## Session 6: Pathogen & Host Subgroup

Wed 08.30-10.15      Presentations and discussions

Each group has own specific agenda and will report back in Session 7 on Wed 11.00 'Outlooks and new initiatives' : recommendations and visions from the subgroups



1. Have the aims of the 2013 Euroblight statement been met?
  2. Do you have any proposed new initiatives?
  3. How will the sub-group interact with the international networks and *vice versa*?
  4. How to proceed with the population result/tools:
    - Publication
    - Availability to participants
    - New options
- What do you want the main recommendations of the 2015 EuroBlight statement to be?

# 1. Have the aims of the 2013 Euroblight statement been met?

## 2013 Euroblight Statement from Cyprus Meeting

### **Statement 1: Monitoring of populations of major pathogens and pests**

EuroBlight strongly recommends that pan-European population surveillance and monitoring using harmonized protocols, shared methodologies and integrated databases to store and exploit the data in real time, is a core activity in the IPM ERA-NET to be launched shortly. EuroBlight offers to serve as a pilot network to test the practicality of such an initiative within this ERA-NET.

### **Statement 2: Linking genotype and phenotype**

EuroBlight recommends that the challenge of linking genotype and phenotype in *P. infestans* is explicitly included as a topic for collaborative research projects within the frame of H2020, and is willing to build and lead such a project.

### **Statement 3: EuroBlight offers to share its expertise and tools**

EuroBlight offers to contribute its tools and platforms to establish these new networks. It will also take steps to transfer them for the implementation of similar networks on other major agricultural pests of important food crops.

# Do you have any proposed new initiatives?

- Input for EB2015 statement
  - ERA net C-IPM initiative, coordinate national funded projects. Monitoring and DSS.
  - H2020
  - Global donors:
    - Pi problem equivalent to UG99 problem in wheat?
    - BMG foundation exclude potato.
  - Other options? DFID, Norway, ...

# How will the sub-group interact with the international networks and *vice versa*?

- Database structure ready for global samples
- Quality of data in database
- Upload available datasets that meet quality criteria
- Reference lab per continent OK for Asia (China) and S America
- Responsible scientist needed
- Africa in need of Reference lab and population characterisation
- Technical workshop for standardisation of SSR methods (scoring etc)
- Define a long term **specific** goal for the monitoring effort to help attract donors.
  - Reduce yield loss: Improve control / add options:  
Sexual reproduction, displacement and ai resistance are indicators for additional problems
  - Where are the ai resistant genotypes
  - How do the genotypes spread around the globe, which (developing) areas are under threat, what would the impact be.

## 4. How to proceed with the population result/tools

- (Structural) data base issues:
  - Temporal “location” as important as spatial loc.
  - Is the database recognized as a repository of data?
  - Data use policy necessary
  - What happens to the FTA cards?
  - Possible to add translated “old” Eucabligh SSR data?
  - Standardized clone naming, protocol and list of standard isolates and equivalents. 1 stop shop
- Publications
  - General overview publication on the collaborative effort and general 2013 2014 results acknowledging partner inputs.
  - Show additional value of database to answer real questions
  - Publication Taskforces?
    - No1: Story paper on the system: David, Geert, Jens, ..
    - No2: Transatlantic exchange of US/EU-23?: David, Bill, ...
    - No3: Clones versus sexual populations linked to regions, fitness, .. : Didier, ..
    - No4: Temporal and spatial analysis over the continent: Lior, Pete, ..
    - No5: Cultivar related issues, Pi lineage versus cultivar:
  - Show the additional value of monitoring for “grower purposes”
  - Publications with supplementary data

# What do you want the main recommendations of the 2015 EuroBlight statement to be?

- **Define a long term specific goals for the Euroblight effort.**
- Publish to get credit for monitoring effort and help attract new funding.
- More interaction with the breeding companies:  
R-gene stewardship & a.i. stewardship
- Out of the box solutions to Pi? How to incorporate in eg DSS.  
New tools for new control options.
- EuroBlight tools of value to development of a.i. resistance management strategies