LESSONS, IDEAS FROM LAST APC MEETING

How to improve Action success?

- Dissemination: Web site not dynamic enough. Other possibilities: Facebook, LinkedIn, COST Newsletter, TOP story, Special Issues, ESR Newsletter...Importance of involvement of ESR

- Training school: Prize for the best poster – sponsors

- Importance of acknowledging COST in research papers

- Some very active Actions: ex, 45 meetings, 31 STSM in one year...Possibility to continue the Action after 4 years by creating an ‘association’. New dedicated journals: ‘Phytopathogenic Mollicutes’

- High leverage effect. Ex: FA1005 INFOGEST: more than 70 national projects, 9 bilateral, 3 EU FP7 (7 M euros)...

- Lobbying at the EU via the Technology Platforms
LESSONS, IDEAS FROM LAST APC MEETING

Interesting COST Actions

FA 1106: An integrated systems approach to determine the developmental mechanisms controlling fleshy fruit quality in tomato and grapevine (Mondher Bouzayem, France)

- Genome-wide comparative profiling of tomato and grape ripening
- Comparative mapping of hormonal distribution on both species
- Re-annotation of the grape genome by using the tomato pipeline

FA1003: East-West collaboration for grapevine diversity exploration and mobilization of adaptive traits for breeding (Osvaldo Falla, Italy)

- Assessment of genetic diversity with SSRs on 865 accessions from 19 collections in 14 countries: 622 distinct profiles
- Phenotyping protocols released (phenology and grape quality) tested in a large set of germplasm collections
- Training school organised around the phenotyping of fungal diseases. Two sources of R to downy mildew already found and integrated into breeding programs
LESSONS, IDEAS FROM LAST APC MEETING

Interesting COST Actions

**FA 1105**: Towards a sustainable and productive EU organic greenhouse horticulture (*Thomas Kroj*, France)

- Energy economy in EU: in Northern Europe you can use fossil energy while this isn’t possible in Southern Europe
- In EU you have to grow your plants in the soil whereas in the US you can use organic substrate off the soil

**FA 1203**: Sustainable management of Ambrosia artemisiifolia in Europe (SMARTER) (*Heinz Muller-Scharer*, Switzerland)

- iPhone application: a way to obtain a lot of data from the public. Huge tool of dissemination as well. COST did not accept to fund this tool.
LESSONS, IDEAS FROM LAST APC MEETING

Interesting COST Actions

**FA 1208**: Pathogen-informed strategies for sustainable broad-spectrum crop resistance (*Thomas Kroj*, France)
- Genome editing, non-GMO technology
- Effector breeding: work with individual effectors to infiltrate them in different accessions: developed by 3 partners for potato late blight

**FA 1306**: The quest for tolerant varieties – Phenotyping at plant and cellular level (*Sebastien Carpentier*, Belgium)
- Characterisation at a phenotypic and genotypic level of a large number of accessions from genetic resources collections (banana, barley and rice)
- Network of scientists with expertise on phenotyping, various –omics areas and/or physiology to (re)discover tolerant varieties and to understand tolerance

**FA 1307**: Sustainable pollination in Europe - joint research on bees and other pollinators (*SUPER-B*) (*Koos Biesmeijer*, Netherlands)
LESSONS, IDEAS FROM LAST APC MEETING

Interesting COST Actions

**FA 1307**: Sustainable pollination in Europe - joint research on bees and other pollinators (SUPER-B) (*Koos Biesmeijer*, Netherlands)

镞 identify the role of insect pollination in agriculture and other ecosystems
镞 clarify best practices for mitigation of pollination loss
镞 compare and contrast important drivers of pollinator loss (wild and managed species)
APC MEETING 2012 – Glasgow, UK
APC MEETING 2013 – Jerusalem, Israel
APC MEETING 2014 – Plovdiv, Bulgaria