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**Advances and prospects on monitoring and
modelling of *Drosophila suzukii* in Europe**

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1.9 Alessandro Cini: Development of monitoring and GIS systems to assess distribution and diffusion of *Drosophila suzukii*

DEVELOPMENT OF MONITORING AND GIS SYSTEMS TO ASSESS DISTRIBUTION AND DIFFUSION OF *D. SUZUKII*

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The talk considers the monitoring and modelling of *D. suzukii*, focusing both at the local (Trentino-Alto Adige region, Italy) and at the European scale. *D. suzukii* presence and abundance data with different kinds of trapping systems are reported for the years 2010-2012, and the results are discussed with reference to climatic conditions and management strategies. Preliminary results of a new modelling approach which integrates GIS-based abiotic information and *D. suzukii* biological features are presented and suggest promising developments. Finally, a recently developed spatial technique is used to infer the most probability location of *D. suzukii* spread in Europe.