



Regional workshops for training of key personnel

To disseminate important results from SMARTBEES to major stakeholder groups we arranged 6 regional workshops from May through October 2018 (Table 1):

1. Copenhagen, Denmark, May 26th,
Beekeeper advisors from the Nordic-Baltic countries, bee breeders, Bee inspectors,
2. Athens, Greece, June 9th ,
Bee breeders and beekeepers contributing to SMARTBEES through performance testing and sampling
3. York, UK, September 25th ,
Policy and evidence team from DEFRA,), the Scottish Government, the BBKA (British Beekeeping Association) and various beekeeping groups
4. Lazise, Italy, October 6th ,
Veterinarians, Honeybee breeders and beekeepers
5. Bucharest, Rumania, October 13th ,
Bee breeders, representatives for beekeepers associations
6. Görlitz, Germany, October 20,
Bee breeders from Germany and Poland, bee inspectors and beekeeper advisors

The local organizer invited participants among the stakeholder groups and made local adjustments in the program to meet the stakeholders needs as well as the availability of speakers in the SMARTBEES consortium. Those attending got a series of fine presentations, relating the main findings of the various work packages, made relevant for practical beekeeping.

Lectures were given in English or the local language. The local organizer provided translation into local language. At the workshop in Copenhagen, Denmark, all presentations were given in English, without translation, because the participants from the Nordic and Baltic countries were fluent in English and because the presentations were recorded. These videos are under editing and will be presented at the Smartbees website by the end of November.

Program of the workshops
Copenhagen, Denmark



**SmartBees Regional Nordic/Baltic Meeting 26th May,
Hotel Clarion Copenhagen Airport**

- 09:00-09:15 Welcome and practical information
Bjørn Dahle
- 09:15-10:00 Local breeding programs in practise:
Including Integrated Pest Management and Disease Threshold
Dr Ralph Büchler, Bieneninstitut Kirchhain, Germany
- 10:00-10:30 Coffee break
- 10:30-11:15 Honeybees, Varroa and Deformed Wing Virus:
Understanding how our research can help beekeepers.
MSc Emma L. Bradford, Institute of Biological and Environmental Sciences,
University of Aberdeen, United Kingdom
- 11:15-12:00 A new tool for honeybee breeders across Europe:
SNPs developed for varroa tolerance, inbreeding and subspecies
— MD Rikke Vingborg, Eurofins Genomics Denmark, Aarhus, Denmark
- 12:00-13:00 Lunch break Hotel Clarion
- 13:00-13:45 Varroa resistance traits:
Actual status and future trends
Dr Jakob Wegener, Länderinstitut für Bienenkunde, Hohen Neuendorf,
Germany
- 13:45-14:30 Tool Box for extension:
How to improve beekeeping education.
Statkonsulent Magnus Ljung, Sveriges Landbrugsuniversitet, Skara, Sweden
- 14:30-15:00 Sustainable breeding and conservation strategies for native honeybees:
Conservation areas and efforts, small population breeding progress.
Dr Per Kryger, Department of Agroecology, Aarhus University, Denmark
- 15:00-15:30 Coffee break
- 15:30-16.00 Concluding remarks

The meeting is organised by Per Kryger and Charlotte Knudsen. Please send an email to Charlotte Knudsen to confirm your participation and make sure to mention if you have special dietary requirements at charlotte.knudsen@agro.au.dk or to per.kryger@agro.au.dk



Aarhus University
Forsøgsvej 1
DK-4200 Slagelse
Denmark



WORKSHOP: SMARTBEES EUROPEAN PROJECT
9th June 2018, Agricultural University of Athens
Athens, Greece



11.00-11.15 Welcome and Coffee



11.15-11.30 SMARTBEES Project (Emmanouil N., Bouga M., Hatjina F.)



11.30-12.00 Conservation areas and conservation efforts across Europe (Papoutsi L., Agricultural University of Athens, Athens, Greece)



12.00-13.00 Simulation studies for breeding of endangered honeybee subspecies (Manuel Plate, Länderinstitut für Bienenkunde Hohen Neuendorf, Berlin, Germany)



13.00-14.00 Lunch



14.00-15.00 Honeybee Genotyping Kits - results from the SMARTBee project (Rikke Vingborg, Eurofins)



15.00-16.00 Local breeding programs in practice (Aleksandar Uzunov, Bieneninstitut Kirchhain Landesbetrieb Landwirtschaft Hessen, Germany)



16.00-16.15 Coffee Break



16.15-16.45 Molecular investigation of local honeybee populations (Papoutsi L., Agricultural University of Athens, Athens, Greece)



16.45-17.45 Discussion



Local organizers: Emmanouil N., Bouga M., Hatjina F., Papoutsi L.



Smartbees dissemination workshop

Tuesday 25th September 2018

Fera, Sand Hutton, York, YO41 1LZ

Time	Presentation	Speaker
10:30 – 10:35	Welcome	Maureen Wakefield
10:35 – 10:50	Overview of Smartbees	Maureen Wakefield
10:50 – 11:35	Sustainable breeding and conservation strategies for native honey bees	Marina Meixner
11:35-12:20	Varroa Resistance Traits - New Results on the Biological Background	Jacob Wegner
12:20 - 13:15	Lunch	
13:15 - 14:00	Local breeding programs in practice	Marina Meixner
14:00 - 14:45	Honeybee, varroa and deformed wing virus	Maureen Wakefield
14:45 - 15:15	New DNA based tools for honeybee breeding	Marina Meixner
15:15 - 15:45	Coffee	
15:45 - 16:30	Tool box for extension	Magnus Ljung
16:30 - 17:00	General discussion and meeting close	



SEMINARIO CONCLUSIVO SMARTBEES

— Italia —

Sabato 6 Ottobre 2018 – Dogana Veneta (Lazise, VR)

Nell'ambito della Fiera Nazionale "I giorni del miele"

Ora	Argomento	Relatore
9.00-9.15	Saluti di benvenuto e informazioni pratiche	G.Bressan
9.15-10.00	Panoramica sul progetto Smartbees & Attuali strategie di allevamento sostenibile e tutela delle sottospecie di <i>Apis mellifera</i>	K.Bienefeld
10.00-10.50	I programmi di allevamento locale nella pratica: gestione tramite lotta integrata e soglia di danno	R.Buchler
<i>10.50-11.20</i>	<i>Pausa Caffè (aperta a tutti gli intervenuti)</i>	
11.20-12.00	L'interazione tra l'ape, la varroa e i virus e l'effetto della nutrizione	F.Nazzi
12.00-12.30	Caratteri di resistenza alla varroa: stato attuale e prospettive future	K.Bienefeld
12.30-13.00	Domande & Risposte dal pubblico in sala	<i>Moderator: R.Dall'Olio</i>
<i>13.00-14.45</i>	<i>Pausa pranzo</i>	
15.00-15.20	Report: esperienza pratica di un allevatore SmartBees	P.Vangelista
15.20-15.45	Nuovi strumenti molecolari per il miglioramento genetico in apicoltura	R.Dall'Olio X Genoskan
<i>15.45-16.15</i>	<i>Pausa Caffè (riservata a relatori ed invitati)</i>	
16.15-17.15	Discussione aperta (riservata a relatori ed invitati)	<i>Moderator: R.Dall'Olio</i>

SMARTBEES / FP7-KBBE.2013.1.3-02 / WP6
Sustainable Management of Resilient Bee Populations
www.smartbees.eu



Institutul de Cercetare Dezvoltare pentru Apicultura
INSTITUTE FOR BEEKEEPING RESEARCH AND DEVELOPMENT
Blv Ficusului, no 42, sector 1, 013975
www.icdapicultura.ro

Organizes the event:

SMARTBEES PROJECT - RELEVANT RESULTS AND PERSPECTIVES

In the frame of the EU Funded Project:
Sustainable Management of Resilient Bee Populations
EC FP7-KBBE Program, Project 613960

Data: 13.10.2018

Hour: 10.00, local time

Location: Bucharest, Ficusului 42, sector 1, Hall of Conferences, I.C.D. Apicultura

AGENDA

10:00-10.30	Welcome/Short presentation of the objectives of SmartBees project – Adrian Siceanu , Scientific director & Eliza Căuia , Communication Director - Institute for Beekeeping Research and Development Partner in SmartBees project
10:30-11:00	Sustainable breeding and conservation strategies for native honeybees Kaspar Bienefeld , Director&Scientist, Department Breeding & Behavior, of Bee Research Institute Hohen Neuendorf & Humboldt University of Berlin, Coordinator of SmartBees project
11:00-11.30	The deformed wing virus, honey bees and varroa destructor interactions: lessons from the SmartBees project Richard Thiéry , Director&Scientist Sophia-Antipolis Laboratory, study of diseases of ruminants and bees, Agence Nationale de Sécurité Sanitaire de l'Alimentation, de l'Environnement et du Travail – ANSES, Partner in SmartBees project
11:30-12.00	Coffee break
12:00-12-30	Honey bee, varroa and virus interaction and the effect of bee nutrition - Desiderato Annoscia , Researcher, Dipartimento di Scienze AgroAlimentari, Ambientali e Animali - University of Udine, Udine, Italy Partner in SmartBees project
12:30-13:00	Romanian contribution to SmartBees project – Adrian Siceanu , Scientific director & Eliza Căuia , Communication Director - Institute for Beekeeping Research and Development Partner in SmartBees project
13:00-14:00	Discussions

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Görlitz, Germany (Program in Polish)

Date: 20. October 2018

POLSKO-NIEMIECKA KONFERENCJA PSZCZELARSKA W ZGORZELCU – PROGRAM

09:00-09:10 Powitanie oraz przedstawienie programu konferencji

09:10-09:40 Wystąpienia gości honorowych

09:40-10:30 Omówienie projektu Smartbees i wyników dotyczących wykorzystania nowych, zrównoważonych strategii hodowlanych – Kaspar Bienefeld

10:30-11:00 Przerwa na kawę

11:00-11:50 Organizacja hodowli pszczół w Polsce oraz na Litwie – Małgorzata Bienkowska

11:50-12:40 Różnorodność biologiczna i strategie ochrony europejskich pszczół miodnych – Marina Meixner

12:40-13:40 Przerwa obiadowa

13:40-14:30 Pszczoły miodne, warroza, wirus deformacji skrzydeł: nowe spojrzenie na skomplikowaną korelację – Elke Genersch

14:30-15:20 Testy oceny oraz selekcja pszczół przystosowanych do lokalnych warunków środowiskowych w Polsce – Przemysław Szeliga

15:20-15:50 Przerwa na kawę

15:50-16:40 Selekcja odpornych pszczół miodnych z uwzględnieniem progów porażenia – Ralph Büchler

16:40-17:00 Dyskusja podsumowująca