

PROJECT KICK-OFF PRESENTATION

Bpractices

NEW INDICATORS *and* ON-FARM PRACTICES
TO IMPROVE HONEYBEE HEALTH
in the Aethina tumida ERA IN.

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- **Objectives of WP6:**

- - Collaboration with all WPs
- - Evaluation of European beekeeping productivity, competitiveness and resilience
- - Evaluation of *economic impact* of BRACTICES project

- **Description:**

- Beekeeping is a zoo-technical sector with strong interactions with the environment when considering the impact of the pollination service guaranteed by the honeybees.
- The application of the new management system based on the GBPs and on the prevention of diseases will involve an economic impact linked to multiple ecological and biological aspects, e.g. reduction of the disease prevalence, reduction of beehive mortality, increment of the pollination services
- and productions.
- **Therefore, applying the GBPs,**
- the beekeeper will reduce the use of chemicals for disease control, improving the product quality.
- All the aspects mentioned above will be quantified in the WP6 based on the data obtained in the different EU countries participating in the field trials and thanks to the knowledge in economic aspects of the Apimondia Regional and Scientific Commissions and Apimondia Working Groups.

- In order to validate the feasibility of the innovative GBPs developed with the project, *a comparison between the situation before using the GBPs* and after their application is needed.
- For this reason a specific online methodology for data retrieval from the baseline study and the following study will be developed to evaluate the variations in different inputs after the application of GBPs.
- **The same apiaries involved in the field trials of WP5 will be monitored.**
- **Subtask 1.1**
- Development a specific online methodology for data retrieval from the baseline study and the following study to evaluate the results.
- **Subtask 1.2**
- Establishment of a baseline for inputs, pest management, colony losses, workload and economical gain in bee yards that are later to participate in the validation
- **Subtask 1.3**
- Collection of comparable data from the bee yards after the implementation of the GBPs,

- WP6 will provide an evaluation of the productivity and competitiveness of European beekeeping and its resilience and adaptation to market fluctuations.
- **The real cost of production of beekeepers in different EU regions will be analysed considering the impact of pathogens on hive survival and productivity.**
- **Subtask 2.1** Evaluation of economic impact of GBPs
- The economic impact given by application of GBPs identified will be studied. The economic consequences due to reduction of hive mortality will be evaluated and the quality/safety/value increase of hive products will be checked.
- **Subtask 2.2** – Evaluation of the environmental impact
- The ecological and biological impact of the increase in pollination services and the reduced use of chemicals to control diseases will be assessed adopting biosensor method of WP4.
- **Subtask 2.3** – Evaluation of the economic impact of the application of the traceability system

The economic impact of the traceability system will be quantified.

- **WP6 Economic impact**

- | | Month | End | |
|-------|-------|-----|--------------------------------|
| • 6 | 1 | 36 | Economic impact |
| • 6.1 | 1 | 36 | Economic impact of BPRACTICES |
| • 6.2 | 1 | 36 | EU beekeeping costs evaluation |

Thanks.....

