



**Italian Agricultural
Research Council**

**CRA-API Honey bee and
Silkworm Research Unit**

Antonio Nanetti

Research

- Honey bee health, genetics, breeding, products, environmental factors
- Silkworm breeding, feeding, germplasm preservation

Services

- Product quality and safety
- Residue analysis
- Biometrics
- Education



**Italian Agricultural
Research Council**

**CRA-CMA Research Unit
for Climatology and
Meteorology applied to
Agriculture**

Giovanni Dal Monte

Research

- Climate change impacts on crop systems
- Plant phenology

Services

- Agrometeorological and phenological monitoring
- National Agrometeorological Data Base
- National Agrometeorological Bulletin



**Field studies and
Consulting**

Claudia Garrido

Consulting

- Stewardship programmes
- Expertise for planning and performance of bee studies
- Risk mitigation measures

Field studies

- Monitoring studies honeybees and non-managed bees in agricultural environment
- Improvement, risk mitigation, risk management for pollinators

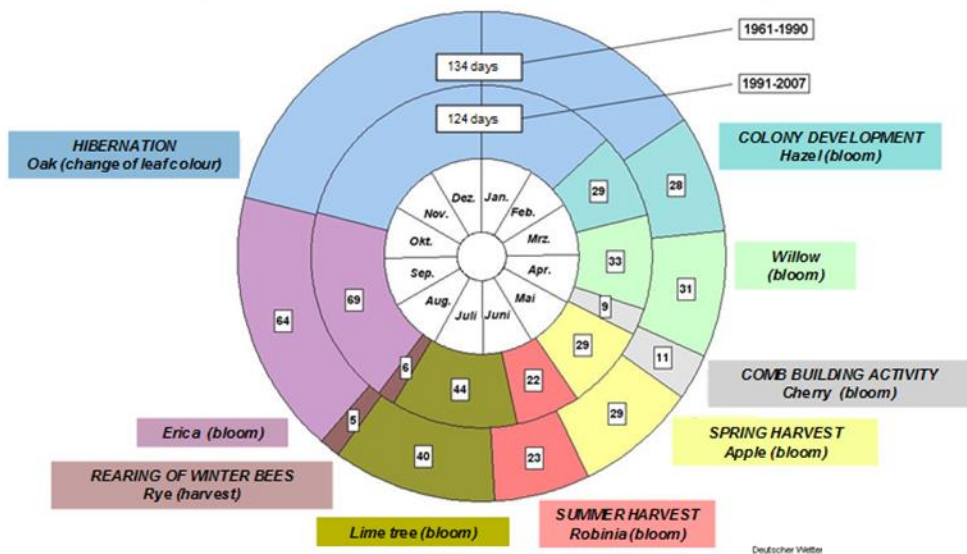


**Environmental Agency of
Emilia-Romagna
Regional Weather Service**

Vittorio Marletto

- Climatology
- Agrometeorological Forecasts
- Phenological Garden belonging to the «European Network of Phenological Gardens»

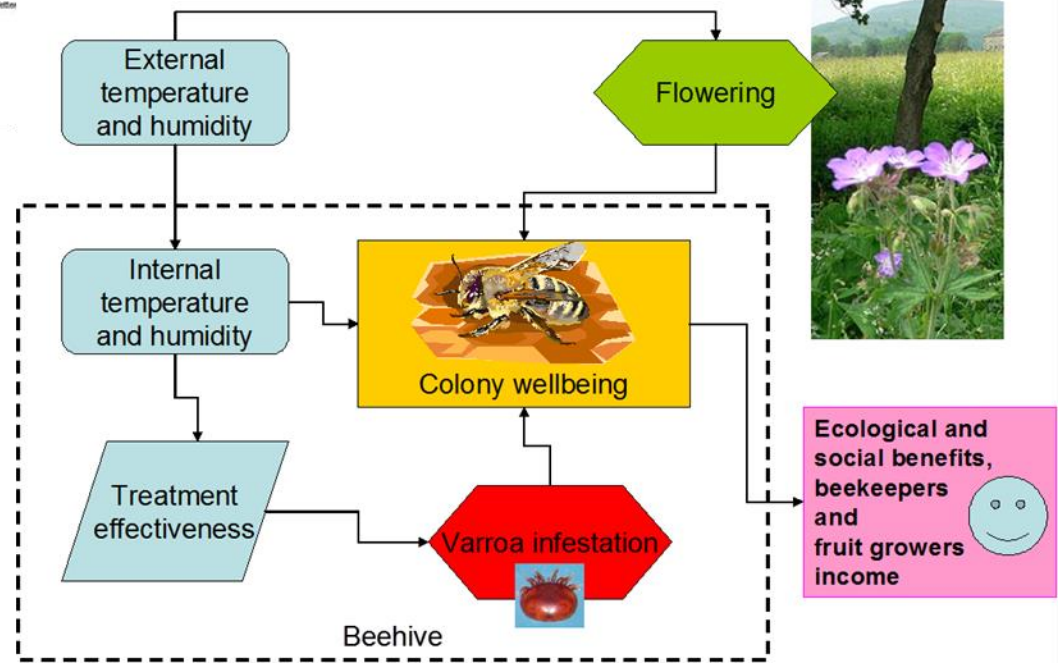
PHENOLOGICAL CLOCK for bees in Germany
Principal periods and their mean duration
1961-2007



Climatic changes are dramatically putting out of phase plant and honey bee phenology

Ecological and agricultural challenge (pollination, biodiversity)

Action is required for risk mitigation and adaptation of techniques



Ecological and social benefits, beekeepers and fruit growers income

