



Epilobee and small hive beetle

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Epilobee

- *2012-2014*
- *5.5 mEUR allocated*
- *17 voluntary Member States*
- *3 visits/year*
- *Biggest of this kind*

Objectives

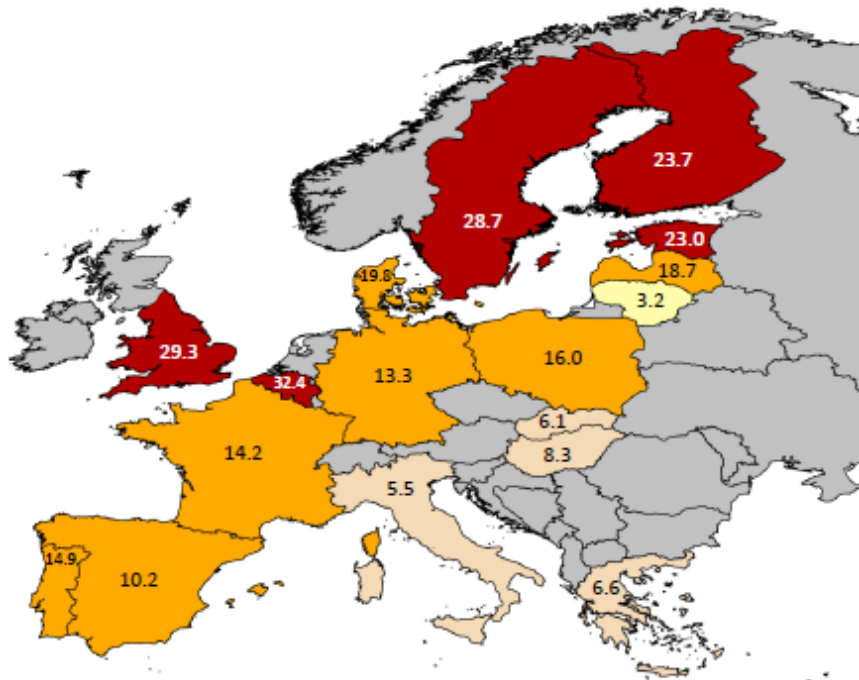
- *To develop EU harmonised methodology*
- *To test it*
- *To get numbers on colony mortality*
 - **Reliable, official, comparable**
- *EU database and samples*
- *To improve capacity of veterinary services*

All achieved!

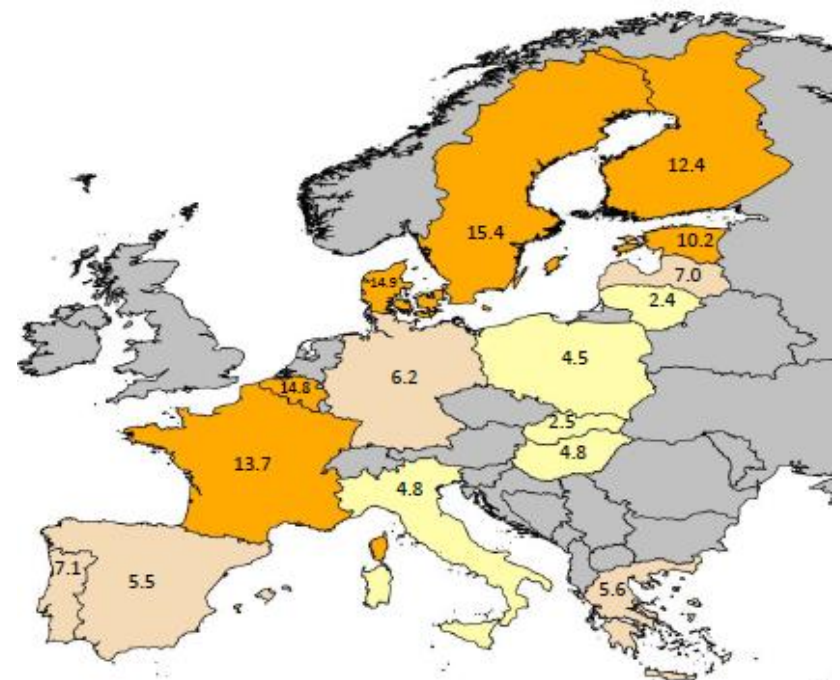
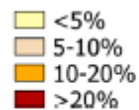


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Overwintering colony mortality (winter 2012 – 2013; winter 2013 – 2014)



Overwintering Mortality Rate



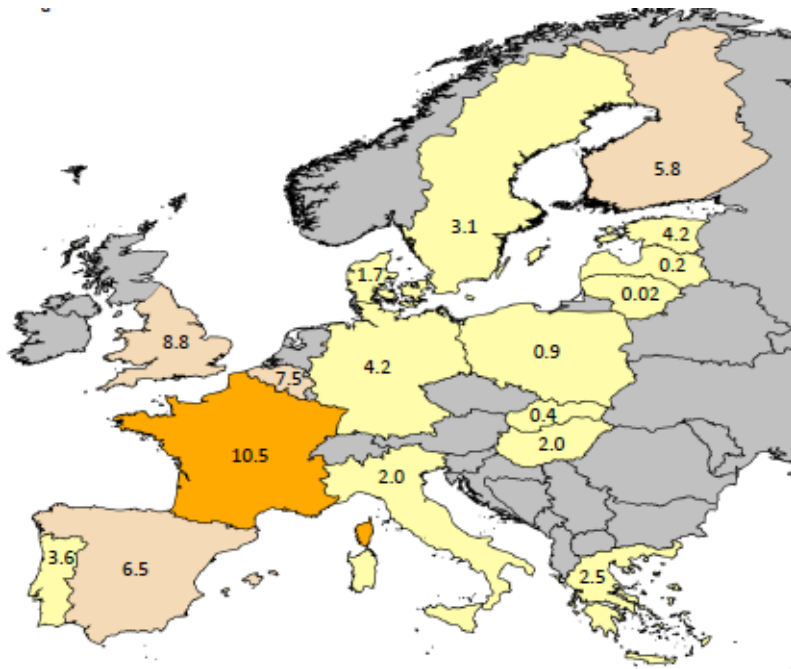
Overwintering Mortality Rate



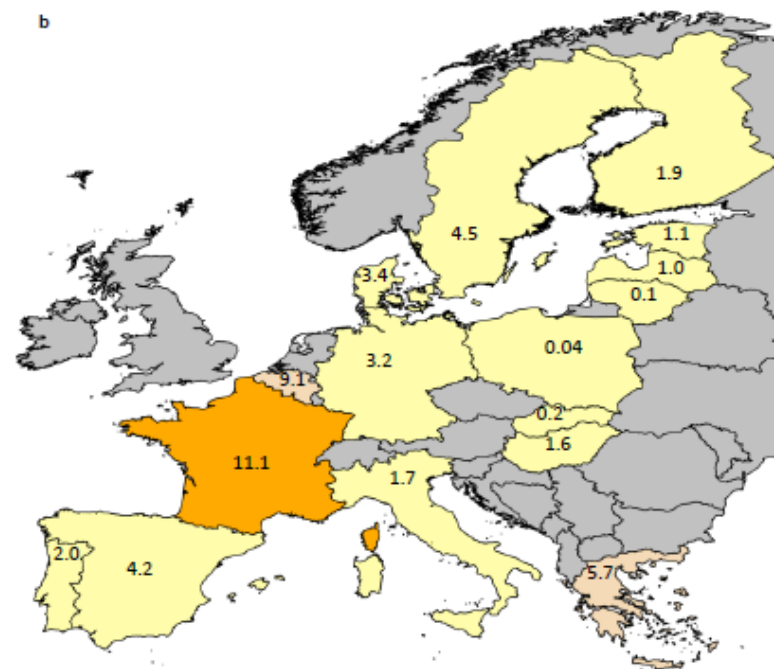
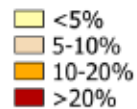


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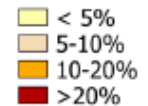
Seasonal colony mortality (spring-summer 2012 – 2013; spring-summer 2013 – 2014)



Seasonal Mortality Rate



Seasonal Mortality Rate



Conclusions on mortalities

- *Narrower range in 2nd year*
- *Decrease*
- *Regional and temporal differences*
 - **Local!**
- *Weather*
- *Interpret with caution*
- *Statistical analysis: EFSA+EURL*
- http://ec.europa.eu/food/animals/live_animals/bees/study_on_mortality/index_en.htm

Next steps

- *Publication of EFSA statistical analysis*
- *National continuations*
- *Scientific publications: EU, national, regional level*
- *Into EFSA project:*
 - **Healthy B**
 - **MUST-B: MUltiply STressors in Bees**
 - Predictive model and field survey
- *Possibly: re-design and new EU project*
 - **Different methodology, list of pesticides, lab capacity, expertise, length, costs**



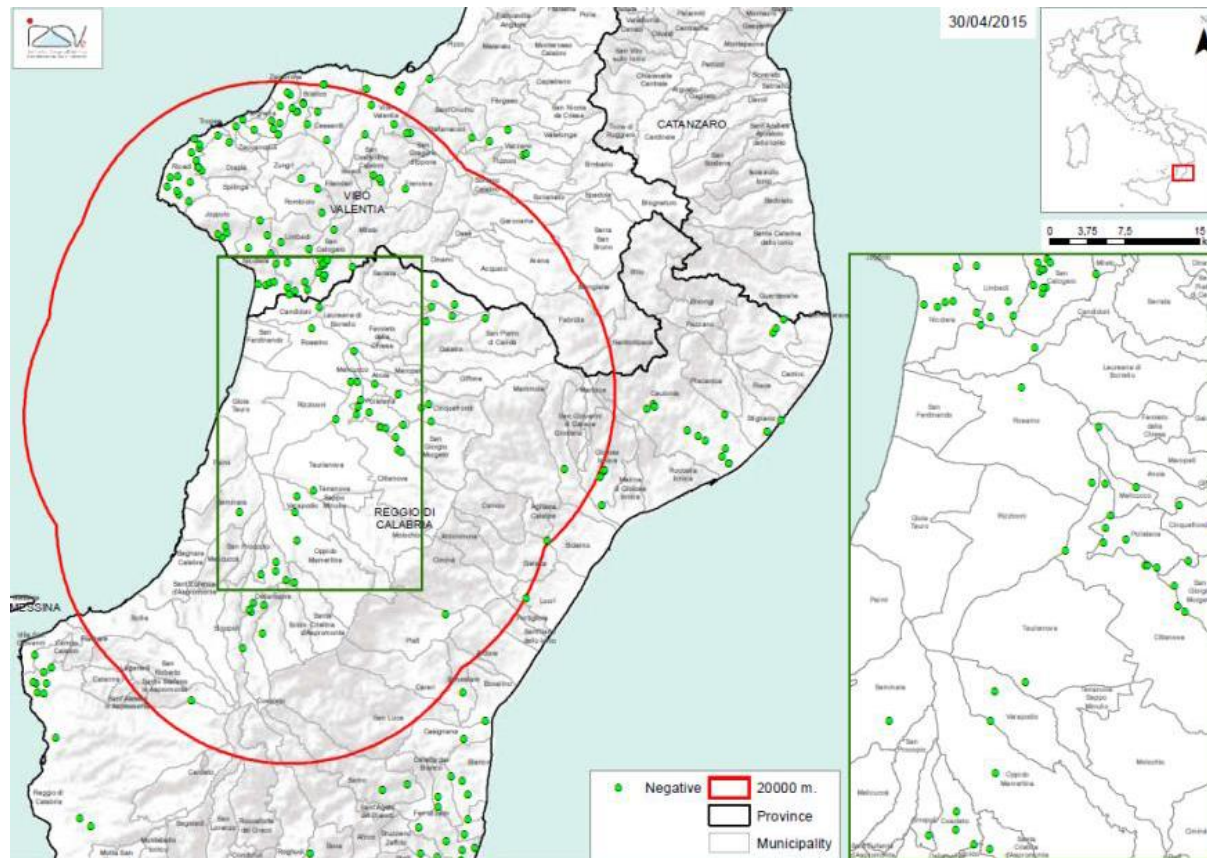
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Small hive beetle



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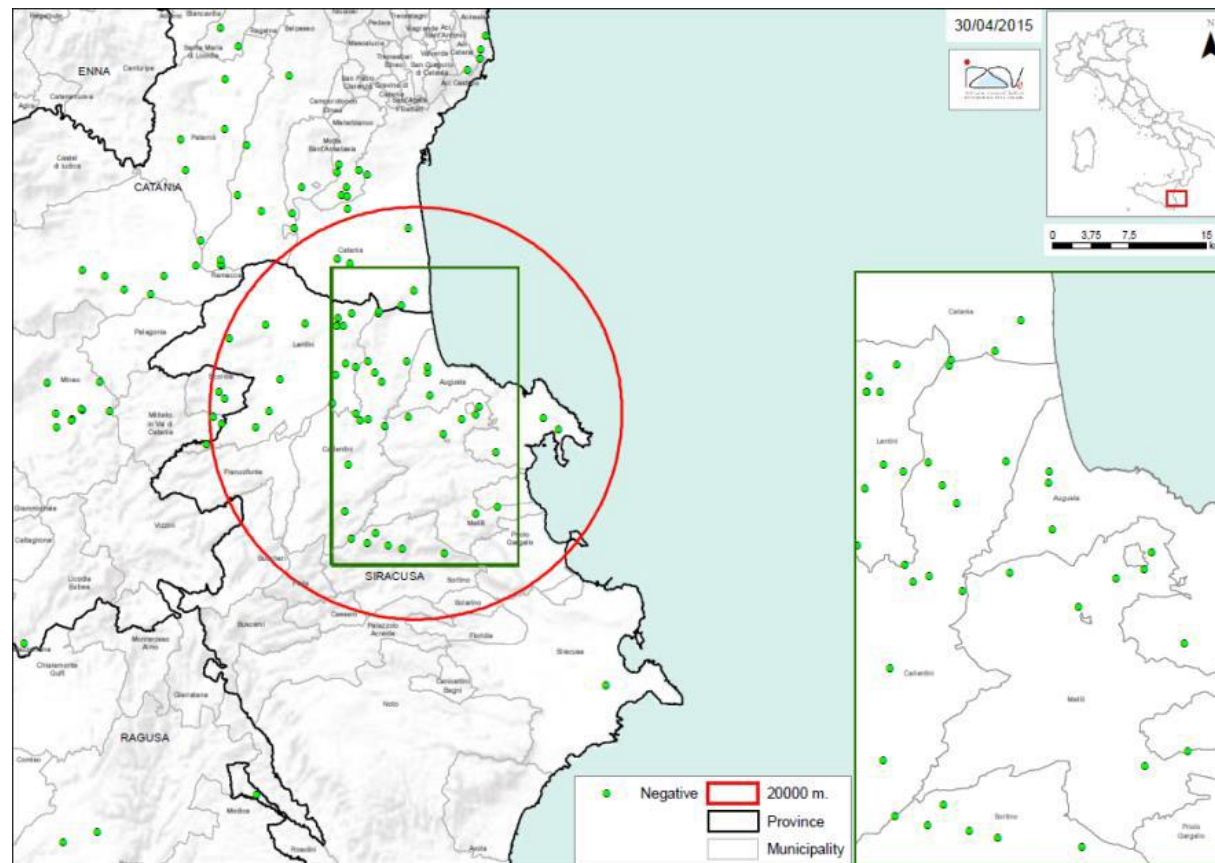
Calabria: surveillance in 2015 (source: IZSV)





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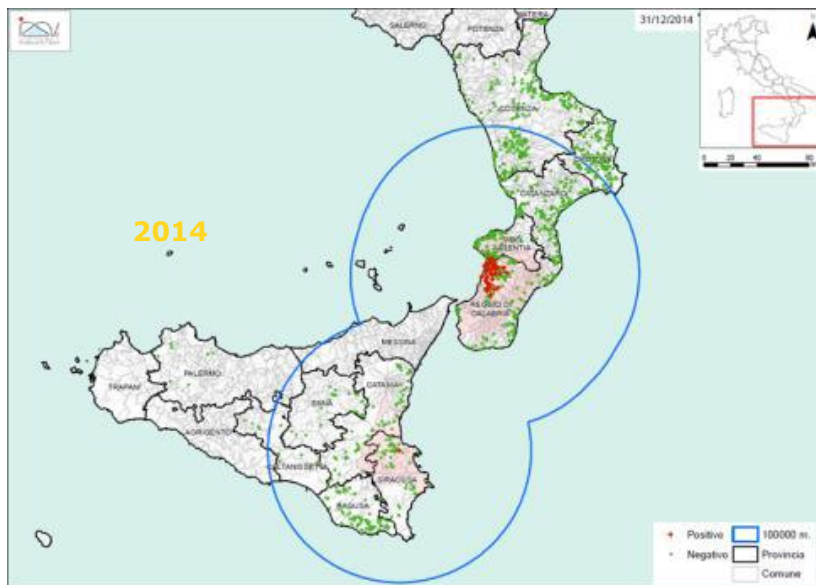
Sicily: surveillance in 2015 (source: IZSV)



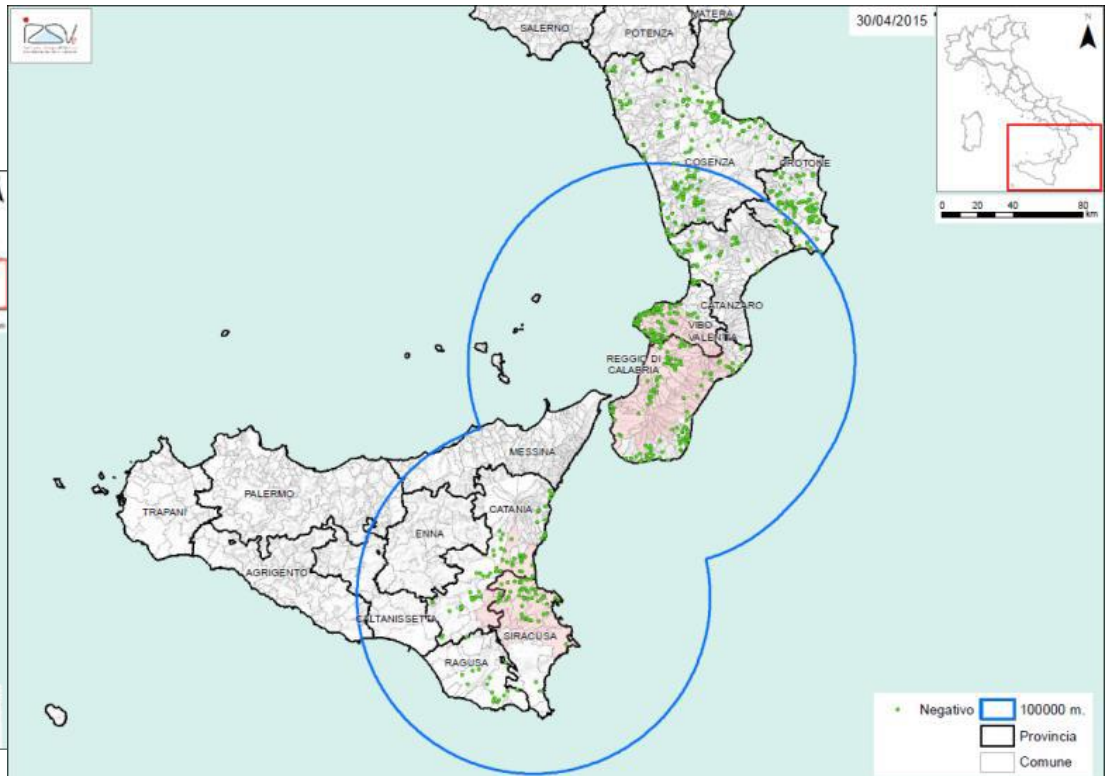


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2014 vs. 2015



	negative	positive
Calabria	1029	60
Sicily	228	1
Total	1257	61



	negative	positive
Calabria	550	0
Sicily	139	0
Total	689	0

EU veterinary measures and assistance

- *Commission Implementing Decision 2014/909/EU and 2015/838/EU*
 - **Date of application: 30 November 2015**
- http://ec.europa.eu/food/animals/live_animals/bees/small_hive_beetle_outbreaks/index_en.htm
- *EFSA technical assistance:*
 - <http://www.efsa.europa.eu/en/efsajournal/doc/4048.pdf>
- *EFSA scientific opinion: by end of 2015*
- *EURL: <https://sites.anses.fr/en/minisite/abeilles/free-access-documents-0>*
 - **State of play**
 - **Guidance on SHB surveillance**
 - **info leaflets to beekeepers: multilingual**

EFSA on SHB: diagnosis and best practices

- *Technical assistance*
 - **Eradication rigorously and immediately**
 - (Later: all available methods)
 - **Feasible and effective to conduct surveillance**
 - **Standardisation of diagnosis**
 - **Visual inspection + traps**
 - **Education and awareness (beekeepers and officials)**
- *Scientific opinion*
 - **End of 2015**

Role of the beekeepers

- *Compulsory notification*
- *Inform vet services about suspicion*
- *Compliance with rules*
 - **Eradication**
 - **Transhumance**
 - **Trade of colonies out**
 - **Queen production**
- *Best practices*
- *Agreements among themselves*