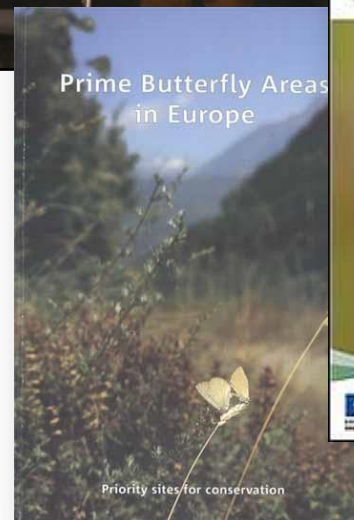




European Butterfly Monitoring Scheme: AN OPPORTUNITY FOR ITALIAN BUTTERFLIES

Simona Bonelli, Leonardo Dapporto and Stefano Scalercio

The Italian BMS is born inside the Butterfly Conservation Europe and thanks to its inputs

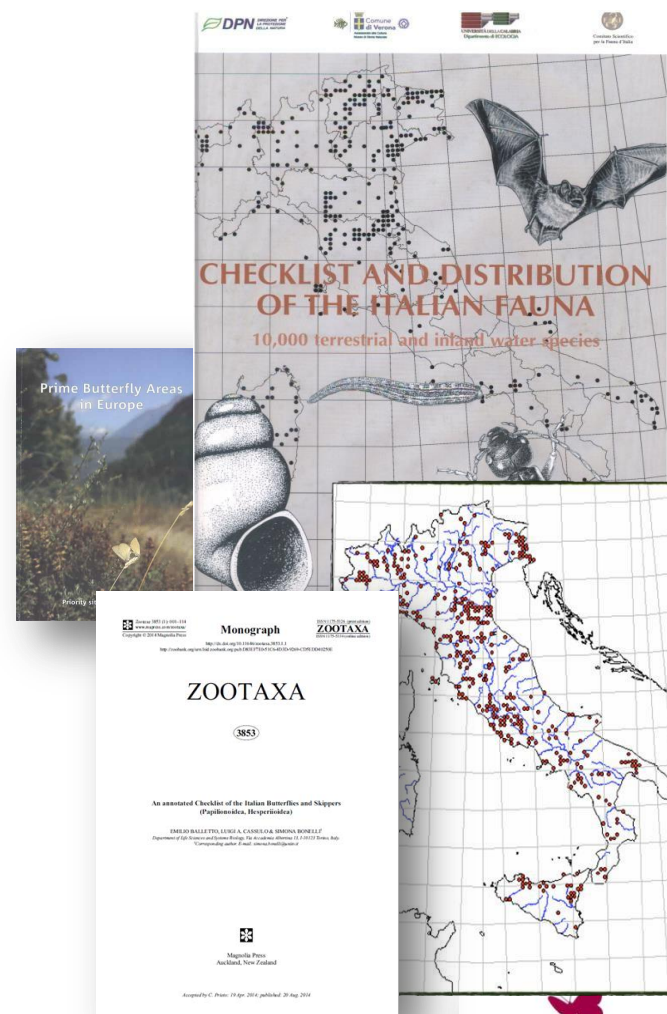


Inaugural Meeting on BCE - Laufen, 29-31 October 2007
Bavarian Academy for Nature Conservation and Landscape Management (ANL)



The Italian BMS is born thanks to national project dedicated to Butterflies

- ✓ **1999 - Red Data Book of European Butterflies (van Swaay & Warren 1999)**
- ✓ **2003 - Prime Butterfly Areas in Europe (van Swaay & Warren 2003)**
- ✓ **2006 - Balletto E., Bonelli S., Cassulo L., (2006). Insecta Lepidoptera Papilionoidea.*In*: S. Ruffo e F. Stoch (Eds) -- Checklist and Distribution of the Italian Fauna.. 10.000 terrestrial and inland water species 2nd and revised edition -- Memorie del Museo Civico di Storia Naturale di Verona, 2^o serie, Sez. Scienze della Vita. 17: 257-261, 280 tav. su CD-ROM.**
- ✓ **2014 - Balletto, E., L. A. Cassulo & S. Bonelli. An annotated Checklist of the Italian Butterflies and Skippers (Papilionoidea, Hesperioidea). Zootaxa, 3853 (1): 1-114**



The Italian BMS promotes the italian butterfly fauna and allows its assessment



Bonelli S.; Casacci L.P. ; Barbero F. ; Cerrato C.; Dapporto L.; Sbordonì V. ; Scalercio S.; Zilli A.; Battistoni A.; Teofili C.; Rondinini C.; Balletto E. (2018)- THE FIRST RED LIST OF ITALIAN BUTTERFLIES. Insect Conservation and Diversity, 11 (5): 506-521



The Italian BMS borns also as a tool for Habitats Directive ASSESSMENT UNDER ART 17.

16 HD Species occur in Italy, the 60% of the europar protected species (29)



Italian BMS is realized through existing synergies



<http://www.barcodingitalianbutterflies.eu>



✓ ZOOLAB – University of Turin (*Simona Bonelli & Emilio Balletto with Luca P. Casacci*)

✓ ZEN LAB- University of Florence (*Leonardo Dapporto & Alessandro Cini*)

✓ CREA_ Research Centre for Forestry and Wood (*Stefano Scalercio*)

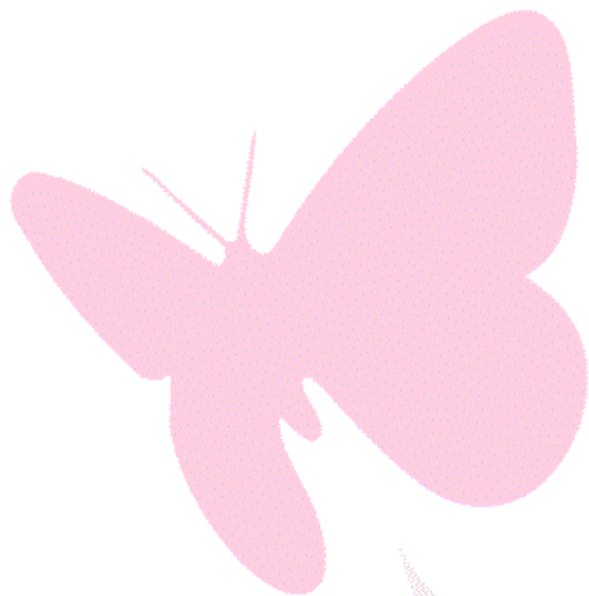
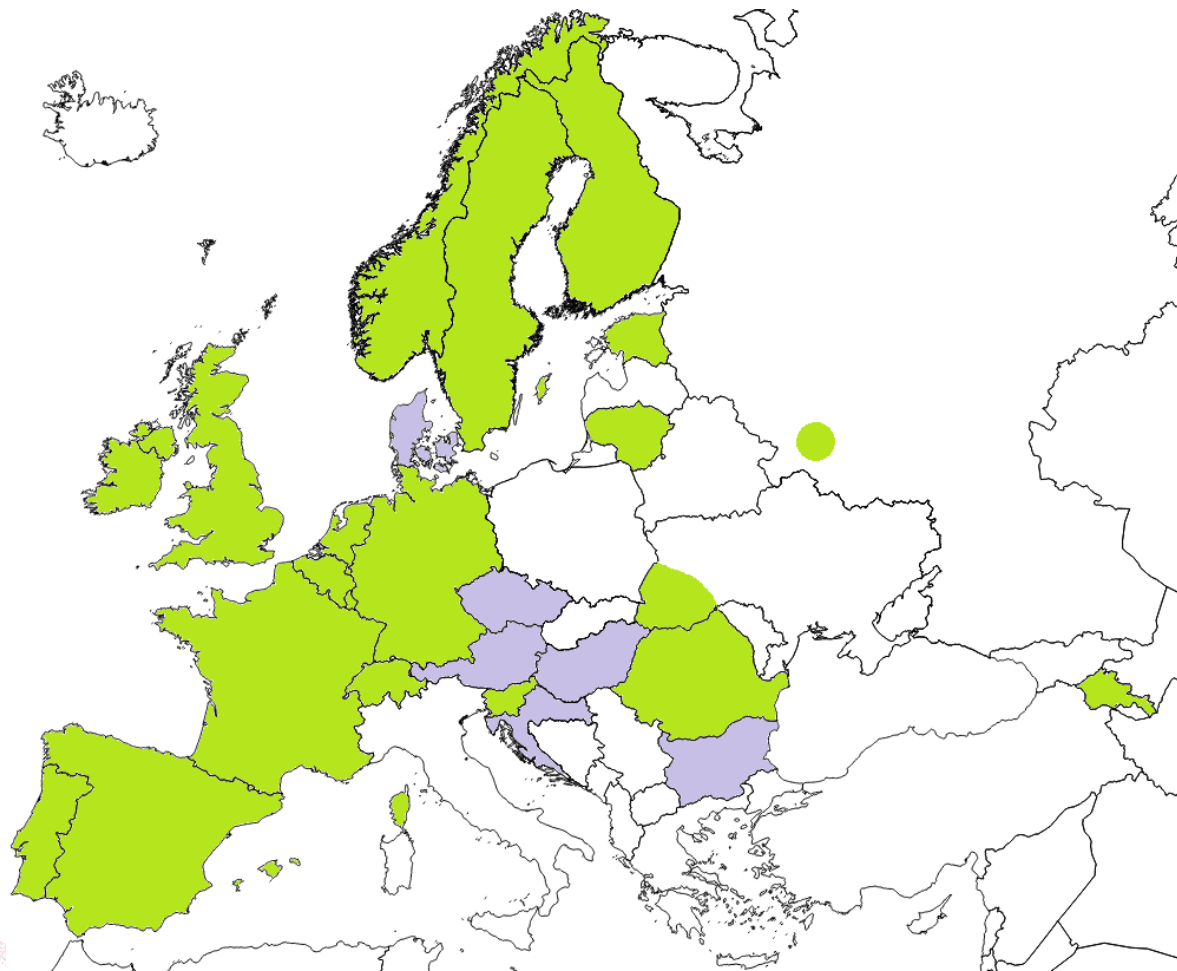
<http://www.butterflyweek.com/it/>



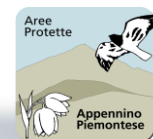
CHI HA ADERITO



Italian BMS is strongly encouraged among BCE but the concrete action start thanks to ABLE project



Italian BMS project start from National and Regional Protected Areas to ensure the long term monitoring following the Spanish model



Gran Paradiso National Park is the first transect that join the project



In 2018 we implemented the Butterfly Monitoring Scheme – Italy and in 2019....together with Able



- **We translated into Italian the European Butterfly Monitoring Scheme website and the mobile application**
- **We organised 5 workshop in 5 different Parks (involving more than 400 people)**
- **We produced 4 small field guides for different, tested during workshops**
- **We dedicated time to communication**
- **We now have more than 20 transect**



Next steps and crucial points

Produce national indicators and weight the European ones with Italian data

Tutoring parks small NGOs, private citizen, farmers, students.....already involved in select transect, open an account, sampling butterflies, use the App and fill in the web site.....

Organize other 4-5 workshops in Sardinia Sicily North Est and Centre Italy to cover the Italian territory

Teaching volunteers in distinguish butterflies (e.g small course on *Erebia* for alpine transects)

Increase the number of transects

Convince David in adapt the eBMS website system in order to avoid the national step



Italian example as positive example

Profile of a new BMS co-ordinator: Simona Bonelli

An interview with one of the new BMS coordinators in Europe, **Simona Bonelli** from Italy. Simona Bonelli is a biologist with a PhD in agricultural entomology in the Agronomy Faculty and nowadays she is a Professor at the Department of Life Sciences and Systems Biology at Turin University. She tells us what she did preparing and organising the Italian BMS and hopes that the positive results could motivate other countries to join and start a BMS.

The Italian BMS started in 2018 and since then it hasn't stopped growing. Italy is one of the priority countries in the ABLE project and, in this interview, we asked to the main coordinator several questions about the creation of a BMS, what was necessary to create it and what was her experience.

How did you start to work with butterflies?

I started 20 years ago when I met **Emilio Balletto**. He is a big expert on Italian butterflies. He was involved in European level initiatives and when Butterfly Conservation Europe (BCE) was created, he was the contact of Italy for many years. Thanks to him I was introduced to BCE and the other butterfly experts of Europe.

After finishing my Postdoc, I came back with Emilio Balletto, focused on but



What do you think is important to start a new BMS?

You have to think carefully about **organisation**. Italy is a big country, and very long. There are differences inside the country, from North to South, from West to East, every region is different from many points of view: habitats, climate, and also people. It is important to cover your entire country (not only one part), and you have to keep in mind, at least in Italy, there are strong regional differences. Italy has differences in heterogeneity of habitats, in terms of climatic conditions, elevations... if you don't think how to manage these differences from the beginning, you will probably fail.

Another important key to overcoming problems was to find people in other parts of the country who were interested, motivated and believed in the project. There were some people on my list, but one was close to retirement. I focused my attention on **Leonardo Dapporto** and **Stefano Scalerio**. I had worked before with them in many initiatives (EU, Red List) and I thought both were good candidates for being Regional coordinators of the Italian BMS. Fortunately, they agreed.



Stefano (in red) talking in the Sila workshop



Simona and Leonardo discussing in a workshop