



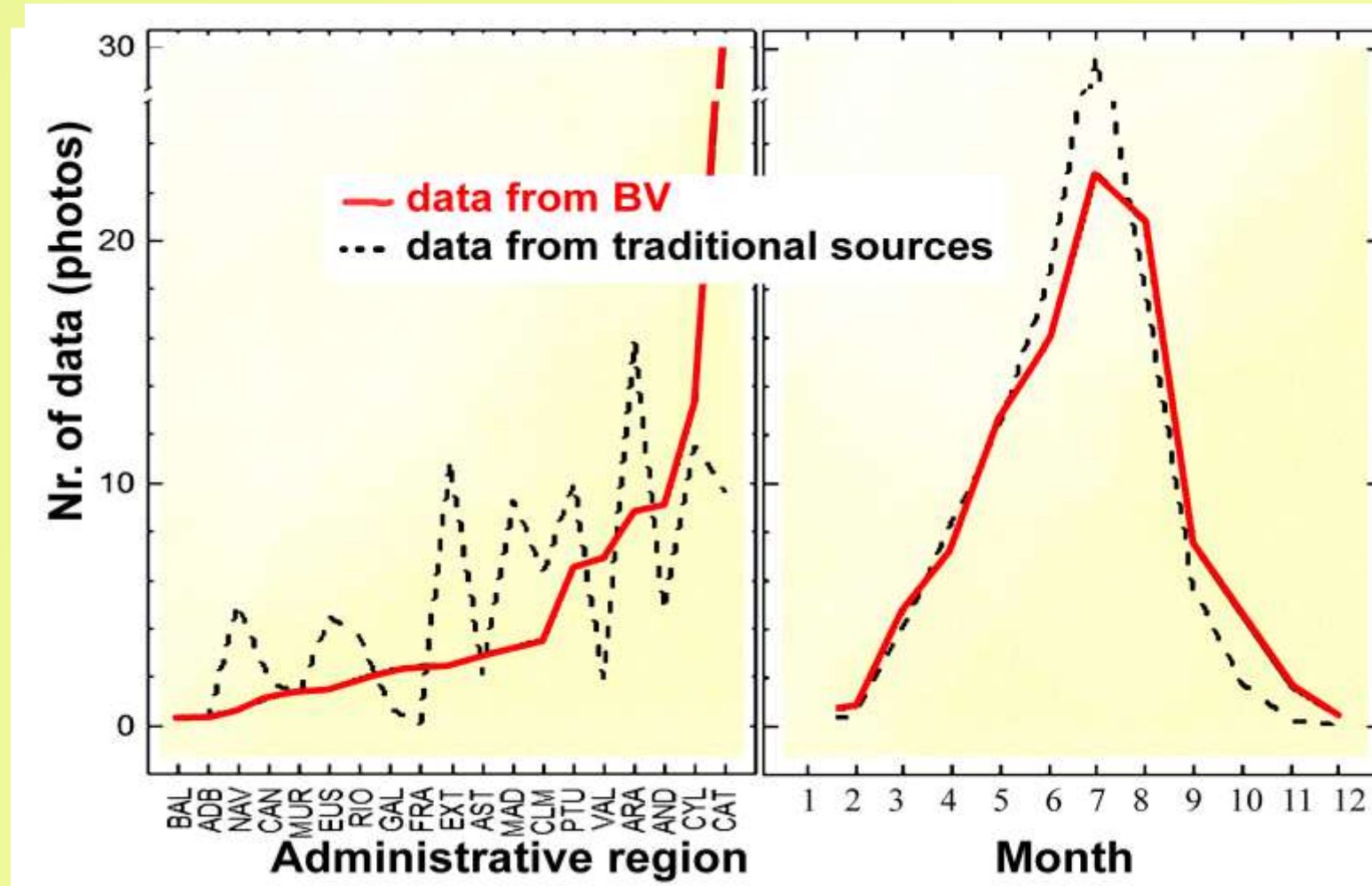
Top species (rank nr.): 1- *P. icarus*, 2: *P. aegeria*, 3: *P. machaon*, 4: *V. cardui*, 5: *C. crocea*, 6: *M. jurtina*, 7: *P. rapae*, 10: *A. cramera*

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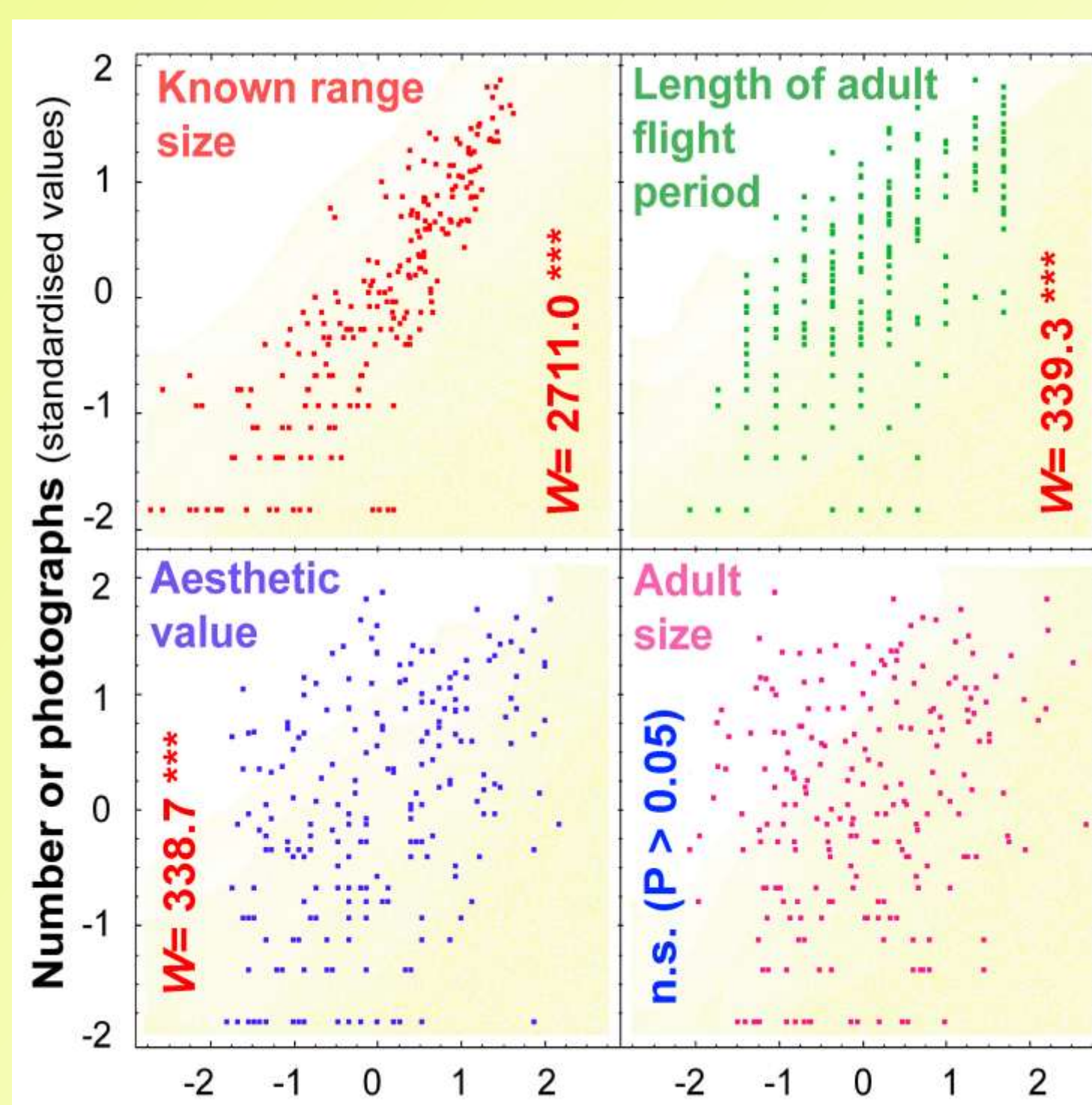
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To estimate the contribution of Biodiversidad Virtual (**BV**) to the Iberian butterfly faunistics we compared the metadata from the digital pictures uploaded there until november 2009 ( $n > 9,000$ ) with data from 'traditional' sources (literature, collections...) for the same period. The geographic reference units were the 10 km UTM cells.



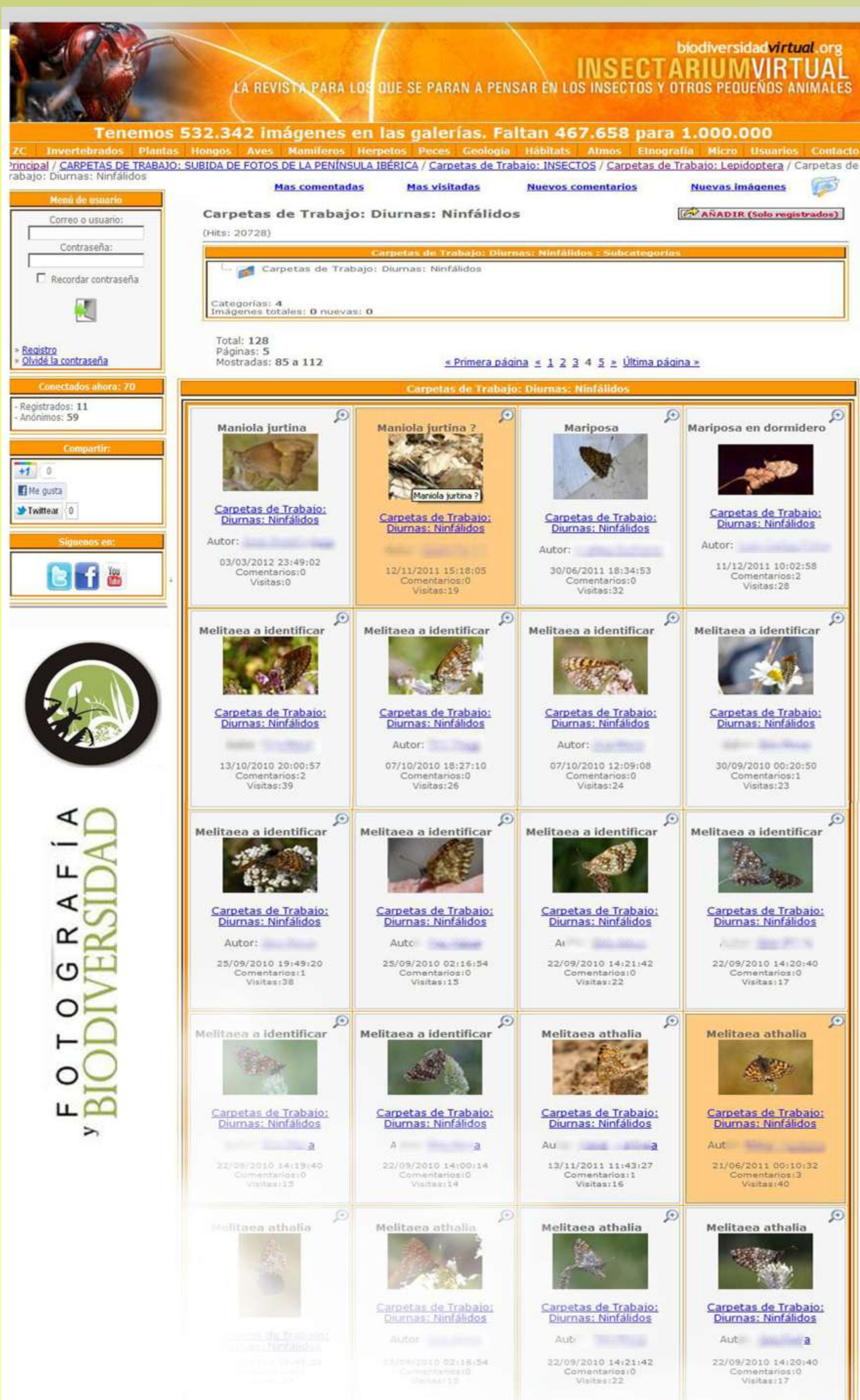
Overall the **BV** data fit the temporal and (broadly) the geopolitical distribution of the traditional data.



The species representation is proportional to their known range size, the length of the adult flight period and the aesthetic value to humans<sup>1</sup>. A multiple GRM approach with these three variables yielded  $R^2 = 0.77^{***}$ .

[<sup>1</sup> = To the extent that our 2nd term students fit this category]

## Contribution of an on-line resource to chorology: *Biodiversidad Virtual* and the Iberian butterflies



Find more in GB et al. (2011) *Boln. Asoc. esp. Ent.*, 35: 457-475 [in Spanish; available from: [www.uam.es/garcia.barros](http://www.uam.es/garcia.barros)]. Or just check: [www.biodiversidadvirtual.org](http://www.biodiversidadvirtual.org)

By late 2009 the data referred to 1,056 UTM cells of which 144 (ca. 14%) were prospected for the first time. Species richness had virtually reached its maximum, while land coverage still proceeded in a nearly exponential trend.

Since then the number of photographs of this taxon has nearly quadruplicated. The overall similarity between the distribution of the **BV** records and those from the traditional sources, together with the prospection of new cells and –singularly– the involvement on non-professional entomologists as data collectors make of this resource a **potentially high value** resource for butterfly faunistics in Iberia.

