

NOTA / NOTE

New Portuguese records of *Oedemera (Oncomera) femoralis*
Olivier, 1803 (Coleoptera, Oedemeridae).José Manuel Grosso-Silva¹ & Sónia Ferreira²

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Abstract: *Oedemera (Oncomera) femoralis* Olivier, 1803 (Coleoptera, Oedemeridae) is reported for the second time from Portugal nineteen years after the first record, considerably extending its known distribution in the country and in the Iberian Peninsula.

Key words: Coleoptera, Oedemeridae, *Oedemera (Oncomera) femoralis*, second record, distribution extension, Portugal.

Resumen: Nuevos registros portugueses de *Oedemera (Oncomera) femoralis* Olivier, 1803 (Coleoptera, Oedemeridae). Se registra *Oedemera (Oncomera) femoralis* Olivier, 1803 (Coleoptera, Oedemeridae) por segunda vez de Portugal, diecinueve años después de la primera cita, extendiendo considerablemente su distribución conocida en el país y en la Península Ibérica.

Palabras clave: Coleoptera, Oedemeridae, *Oedemera (Oncomera) femoralis*, segundo registro, ampliación de distribución, Portugal.

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Oedemera (Oncomera) femoralis Olivier, 1803 (Coleoptera, Oedemeridae) is a crepuscular and nocturnal oedemerid beetle, frequently attracted to light (VÁZQUEZ, 1993, 2002), which is distributed throughout central and southern Europe and Anatolia (ŠVIHLA, 1993, 2008; VÁZQUEZ, 2002). This species exhibits a long imaginal activity period, from April to August, in the Iberian Peninsula (VÁZQUEZ, 1993), and even longer elsewhere (more frequent in June-July and in September-October, according to VÁZQUEZ, 2002). When the Iberian (VÁZQUEZ, 1993) and European (VÁZQUEZ, 2002) revisions of the family were published, the larva of *O. (O.) femoralis* was unknown. More recently, (BOLOGNA, 2014, 2016) classified the species as saproxylic and BREITENMOSER *et al.* (2016) mentioned that the larva develops in the decomposing wood of broadleaved trees.

The recorded distribution of *O. (O.) femoralis* in mainland Spain currently includes twelve provinces, listed chronologically with the first reference for each one: Lleida, Burgos (FUENTE, 1932), Barcelona, Girona, Cantabria, Tarragona (VÁZQUEZ, 1985), Huesca (VÁZQUEZ, 1988), Navarra (MARTÍNEZ DE MURGUÍA *et al.*, 2004), Vizcaya (UGARTE SAN VICENTE, 2005), Lugo (PINO & PINO, 2007), Álava (UGARTE SAN VICENTE & SALGUEIRA CEREZO, 2007), and Asturias (VÁZQUEZ-FELECHOSA, 2004). In Portugal, there is only one published record, from the district of Braga (VÁZQUEZ & GROSSO-SILVA, 2001).

In this contribution, we record *O. (O.) femoralis* from two new localities, one in Peneda-Gerês National Park, very close to the site reported by VÁZQUEZ & GROSSO-SILVA (2001), and the other in central Portugal (Lisbon district), in this case collected within the scope of the InBIO Barcoding Initiative (FERREIRA *et al.*, 2018).

The map presented summarizes the known Portuguese (district level) and Spanish (province level) distribution ranges, in the latter case exclusively from literature compilation. In the material examined section, the dates presented are in the Day/Month/Year format and the coordinates are in dual form: latitude-longitude (WGS84 datum) and Military Grid Reference System (MGRS).

Material examined:

PORTUGAL:

- **Braga district:** Terras de Bouro municipality: Vila do Gerês (41,7307° N, 8,1612° W; 29TNG6920, 379 m above sea level), 13/06/2002 (1 ♀, Grosso-Silva & Soares-Vieira leg., MHNC-UP col: MHNCUP/ART/37661).
- **Lisbon district:** Sintra municipality: Near Estudante da Peninha (38,7732° N, 9,4650° W; 29SMC5991, 331 m above sea level), 25/05/2019 [1 ♂, Sónia Ferreira leg., InBIO Barcoding Initiative reference collection: INV08548 (Vairão, Portugal)].

The known distribution of *Oedemera (Oncomera) femoralis* Olivier, 1803 in the Iberian Peninsula is significantly extended with the new record from central Portugal (Lisbon district) as shown in Map 1. Furthermore, the known distribution range of the species in Peneda-Gerês National Park is increased to a second 10x10 km square, which is the third in Portugal.

In light of the new finding, the species should be searched for in appropriate areas in the districts located between Braga and Lisbon, preferably at night on account of the already mentioned crepuscular and nocturnal activity of the adults and its attraction to light.

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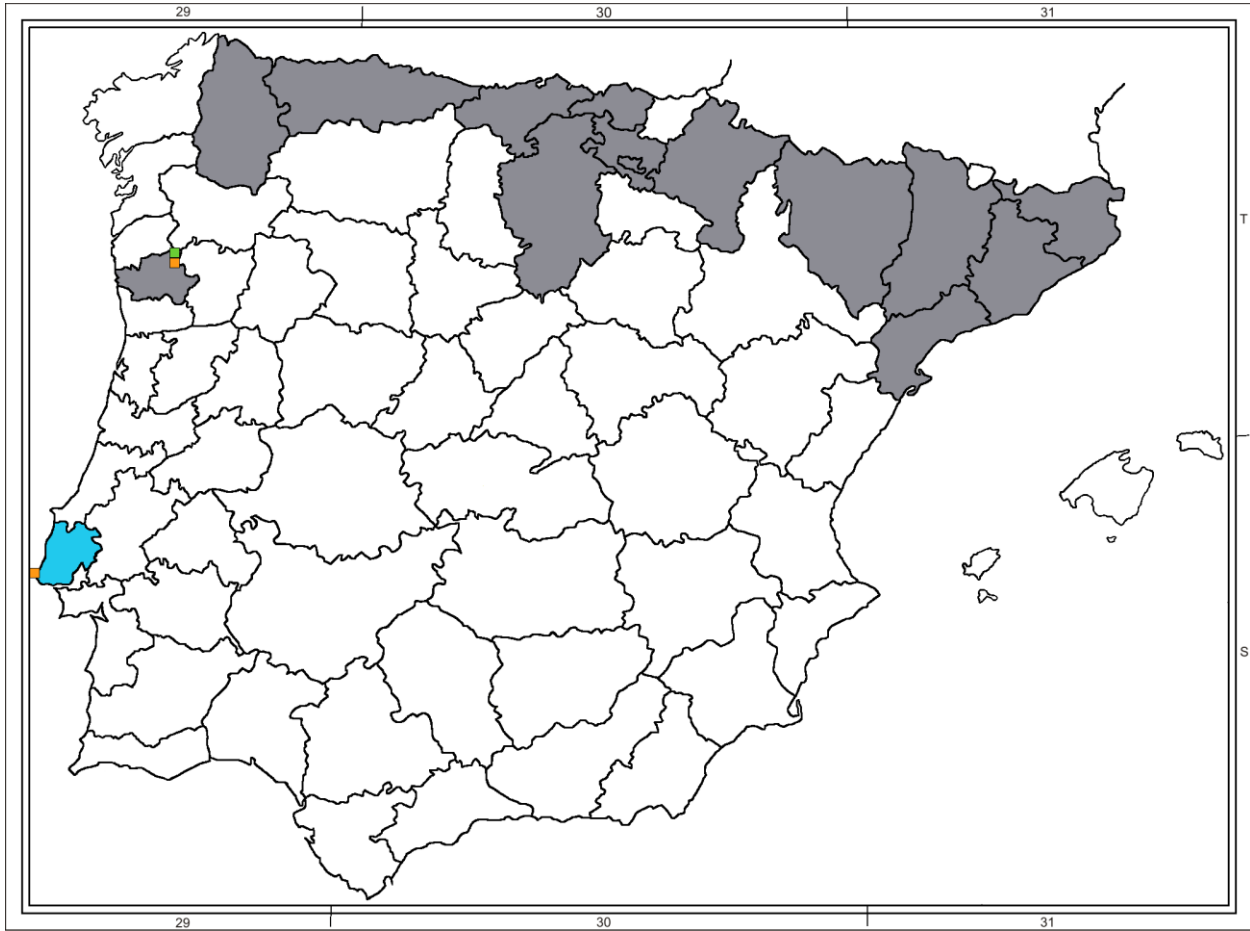
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Map 1. - Iberian distribution of *Oedemera (Oncomera) femoralis* Olivier, 1803, with the previously known Portuguese district and Spanish provinces (in grey), the new Portuguese district (in blue), and the MGRS 10x10 km squares of the collecting sites in Portugal (new sites in orange, previous site in green).