

# Annotated checklist of the spiders (Arachnida, Araneae) of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (NW Italy)

**Marco ISAIA**  
**Mauro PASCHETTA**  
**Alberto CHIARLE**

Lab. di Ecologia – Ecosistemi terrestri,  
Dipartimento di Scienze della Vita e Biologia dei Sistemi,  
Università di Torino,  
Via Accademia Albertina, 13 – 10123 Torino (Italy)  
[marco.isaia@unito.it](mailto:marco.isaia@unito.it)

Published on 27 March 2015

[urn:lsid:zoobank.org:pub:9DAE08FA-0D78-4C87-ACA6-E60C3C06DD1A](http://urn:lsid:zoobank.org:pub:9DAE08FA-0D78-4C87-ACA6-E60C3C06DD1A)

Isaia M., Paschetta M. & Chiarle A. 2015. — Annotated checklist of the spiders (Arachnida, Araneae) of the Site of Community Importance and Special Area of Conservation “Alpi Marittime” (NW Italy), in Daugeron C., Deharveng L., Isaia M., Villemant C. & Judson M. (eds), Mercantour/Alpi Marittime All Taxa Biodiversity Inventory. *Zoosystema* 37 (1): 57-114. <http://dx.doi.org/10.5252/z2015n1a4>

## ABSTRACT

We present an annotated checklist of the spiders (Arachnida Cuvier, 1812; Araneae Clerck, 1757) of the Site of Community Importance and Special Area of Conservation IT1160056 “Alpi Marittime” (NW Italy). The checklist is based on literature records and unpublished material collected from 2007 to 2013 within the first European All Taxa Biodiversity Inventory coordinated by the European Distributed Institute of Taxonomy (EDIT). The examination of the literature provided a list of 113 species recorded for the study area between 1890 and 2013, scattered in 35 publications. The new data provided here raise the total number of species known for the study area to 295, grouped in 147 genera and 31 families. We recorded a remarkable percentage (9%) of endemic species, including rare endemic elements poorly known in literature, such as *Vesubia jugorum* (Simon, 1881); *Troglohyphantes konradi* Brignoli, 1975; *Nesticus morisii* Brignoli, 1975 and *Turinyphia clairi* (Simon, 1884). For each species we report detailed information about sampling localities, previous citations for the study area (if any), distribution and preferred habitat. 38 species are new records for the regional fauna and four species are recorded for the first time in Italy.

**KEY WORDS**  
SW-Alps,  
Piedmont,  
faunistiques,  
All Taxa Biodiversity  
Inventory (ATBI),  
endemic species.

## RÉSUMÉ

*Liste commentée des araignées (Arachnida, Araneae) d'un site d'importance communautaire et zone spéciale de conservation : le parc Alpi Marittime (nord-ouest de l'Italie).*

Nous présentons ici la liste commentée des araignées (Arachnida Cuvier, 1812, Araneae Clerck, 1757) répertoriées dans un site d'importance communautaire et une zone spéciale de conservation : le parc Alpi Marittime (IT1160056) du nord-ouest de l'Italie. Cette liste est basée sur les données de la littérature et sur le matériel collecté entre 2007 et 2013 dans le cadre du premier inventaire de biodiversité généralisé (ATBI) coordonné par l'Institut européen de taxonomie (EDIT). L'examen de la littérature

**MOTS CLÉS**  
Alpes du Sud-Ouest,  
Piémont,  
faunistica,  
Inventaire biologique  
généralisé (IBG),  
espèces endémiques.

**PAROLE CHIAVE**  
Alpi sud-occidentali,  
Piémonte,  
faunistica,  
Inventario Generalizzato  
della Biodiversità (IBG),  
specie endemiche.

(35 publications) a permis d'établir une liste de 113 espèces d'araignées recensées entre 1890 and 2013 dans la zone d'étude. Les nouvelles données publiées ici pour la première fois élèvent à 295 le nombre d'espèces recensées dans cette zone; elles sont regroupées en 147 genres et 31 familles. Cet ensemble se caractérise par la proportion remarquable (9 %) d'espèces endémiques, y compris des éléments très mal connus, comme *Vesubia jugorum* (Simon, 1881); *Troglohyphantes konradi* Brignoli, 1975; *Nesticus morisii* Brignoli, 1975 et *Turinyphia clairi* (Simon, 1884). Pour chaque espèce, des informations détaillées sont fournies sur: les localités de collecte, les citations dans la zone d'étude tirées de la littérature (quand elles existent), la distribution et l'habitat préféré. 38 espèces sont nouvelles pour la faune de la région et quatre sont signalées pour la première fois en Italie.

#### RIASSUNTO

*Checklist commentata dei Ragni (Arachnida, Araneae) del Sito di Interesse Comunitario e Zona di Protezione Speciale «Alpi Marittime» (Italia Nord-Occidentale).*

Viene presentato l'elenco delle specie di ragni (Arachnida Cuvier, 1812, Araneae Clerck, 1757) note ad oggi per il Sito di Importanza Comunitaria e Zona Speciale di Conservazione IT1160056 «Alpi Marittime» (Italia nord-occidentale). La lista si basa su dati reperiti in letteratura e dati originali, raccolti tra il 2007 e il 2013 nell'ambito del primo progetto Europeo di Inventario Biologico Generalizzato organizzato dall'Istituto Diffuso di Tassonomia Europeo (EDIT). L'esame della letteratura ha fornito una lista di 113 specie, raccolte tra il 1890 e il 2013. Il lavoro qui presentato accresce il numero di specie segnalate per l'area di studio a 295, raggruppate in 147 generi e 31 famiglie. Il popolamento si caratterizza per la ricchezza di specie endemiche (9% del totale) e per la presenza di rari elementi endemici quali *Vesubia jugorum* (Simon, 1881); *Troglohyphantes konradi* Brignoli, 1975; *Nesticus morisii* Brignoli, 1975 e *Turinyphia clairi* (Simon, 1884). Per ogni specie riportiamo informazioni dettagliate sulle località di raccolta, dati di letteratura riferiti all'area di studio (se presenti), il corotipo e l'habitat preferenziale. Diverse specie (38) risultano nuove segnalazioni per la fauna regionale, quattro specie sono qui citate per la prima volta in Italia.

## INTRODUCTION

Given its rich and peculiar faunistic diversity, the Maritime Alps region has been defined as a key area for understanding the dynamics that have shaped the fauna of the Italian peninsula as well as that of western Europe in general (Minelli *et al.* 2006). The reason for this extraordinary biodiversity is related to the particular biogeographical frame in which the area is located, between the mountain systems of Piemonte and Liguria and the Mediterranean Sea, straddling the border between the Mediterranean, Alpine and continental zones. Moreover, the wide altitudinal range (650 to 3297 m a.s.l.) and the complex geological and glacial history of the area contribute significantly to making the Maritime Alps one of the most important European hot spots of biodiversity.

The present work is set within one of the first three All Taxa Biodiversity Inventories (ATBI) to be carried out in continental Europe, a project coordinated by EDIT (European Distributed Institute of Taxonomy), started in 2006 as part of the Sixth Framework Program of the European Commission (Work Package 7). According to their official definition, all Taxa Biodiversity Inventories (ATBI) are intensive community efforts to identify and record all living species that exist within a given area. Our contribution represents the outcome of the research conducted from 2007 to 2013 within the Site of Community Importance and Special Area of Conservation

IT1160056 “Alpi Marittime”. Based primarily on intense field activity, the work aims to increase the knowledge of the spider fauna of the study area.

## MATERIAL AND METHODS

### STUDY AREA

The Site of Community Importance and Special Area of Conservation IT1160056 “Alpi Marittime” is the largest protected area in Piemonte (Fig. 1). It covers a surface of 33 673 hectares, encompassing the northern slopes of Valle Stura di Demonte (Valloni della Valletta e del Reduc), the whole Valle Gesso, the upper Val Grande of Palanfrè and the upper Val Vermenagna (Colle di Tenda), including six municipalities of the Province of Cuneo (Aisone, Entracque, Limone Piemonte, Roaschia, Valdieri and Vernante). Elevation ranges from 650 m, at the bottom of the valleys, to 3297 m on the Cima Argentera, which is the highest peak of the Maritime Alps. Twenty-four peaks above 3000 m dominate the landscape and host the southernmost glaciers of the Alps.

The dominant macrohabitat is rocky lands (49%), followed by forests (23%, mainly *Fagus sylvatica*), grasslands, pastures and other open habitats (17%). Additionally, the southern slopes of the Natural Reserve of Rocca San Giovanni-Saben

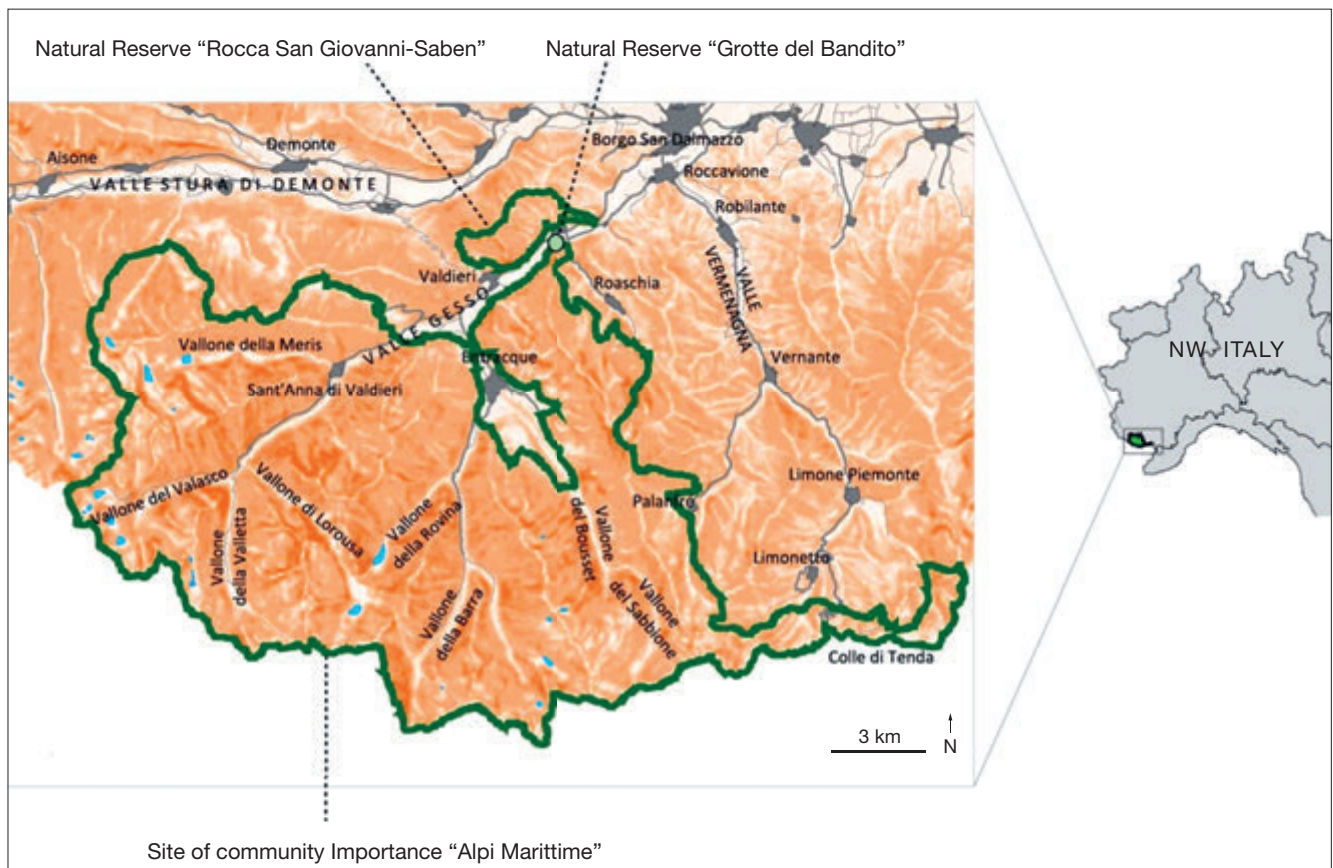


Fig. 1. — Study area in NW Italy (Site of Community Importance and Special Area of Conservation IT1160056 "Alpi Marittime").

are colonized by submediterranean shrubs (*Juniperus phoenicea* and *J. thurifera*) forming a rare and unique habitat in the Western Alps. The glacial plateaus located between 1500 and 2000 m host peatbogs and other wet habitats, characterized by remarkable vegetation diversity. In addition to the natural caves of Bandito, the protected area includes several natural caves, mostly located in Val Infernotto, between Roaschia and Valdieri.

The Regional Authority of Piemonte instituted the first nuclei of the protected area in 1979 and 1980 ("Riserva del Bosco e dei Laghi di Palanfrè" and "Parco Naturale dell'Argentera"), for a surface of approximately 26 000 hectares. In 1995 the two protected areas were formally unified under the name "Parco Naturale delle Alpi Marittime. Thanks to the recent addition of the Natural Reserve of Rocca San Giovanni-Saben (formerly the Special Natural Reserve *Juniperus phoenicea*, instituted in 1984) and the caves of Bandito, the protected area reached in 2009 a total surface of 28 000 hectares (Regional Law 19/2009). After the new delimitation of the Sites of Community Importance and Special Areas of Conservation in Piemonte in 2010 (DGR 36-13220/2010), the Park now exerts its authority over a total of 33 673 hectares, covering the entire surface included within the Site of Community Importance and Special Area of Conservation IT1160056 "Alpi Marittime".

Here we treat the area formally included in the borders of the Site of Community Importance and Special Area of

Conservation IT1160056 "Alpi Marittime", thus including the Parco Naturale Alpi Marittime, the caves of Bandito, the Natural Reserve of Rocca San Giovanni-Saben and all of the remaining parts of the Site of Community Importance and Special Area of Conservation added in 2010 (Fig. 1). Considering their vicinity to the study area, several localities cited in literature falling just outside the borders, were also considered as part of the study area.

#### SOURCES

The examination of literature provided a list of 113 species, scattered in 35 papers published between 1890 and 2013.

The araneological exploration of the study area began long before the institution of the first nuclei of the protected area (1979-1980). The first records are cited in Calloni's (1889) comprehensive work on different groups of animals (including spiders) inhabiting the nival zone of all major Alpine ranges. The range "*Clapier-Enchastraye*" extends along the ridge from Monte Clapier (French: Mont Clapier) (44°06'58"N, 7°25'09"E), to Enciastraia (French: Tête de l'Enchastraye) (44°22'00"N, 6°53'24"E), on the boundary between the province of Cuneo (Piemonte) and the French region of Provence-Alpes-Côte-d'Azur. On the Italian side, this territory approximately covers an area extending from Valle Gesso (Entracque) to Valle Stura (Argentera) and, on the French side, from Vallon de la Gordolasque (Belvédère) to Vallée de l'Ubayette (Larche). Although Calloni (1889) does not give precise de-

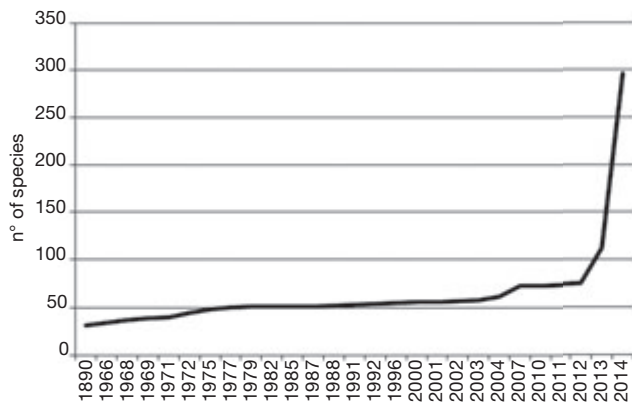


FIG. 2. — Increase in new records of spider species in the study area (1890-2013).

tails about localities, it is likely that the region he considered encompasses the protected area and thus represents the first scientific contribution to the knowledge of its spider fauna. For the *Clapier-Enchastraye* range, Calloni provides a list of thirty-one species, most of which are widespread in Europe or the Palaearctic.

After Calloni, the study area remained unexplored for nearly a century. It was not until 1966 that the father of modern Italian araneology, Paolo Marcello Brignoli, published a small contribution focusing on araneids collected around Cuneo and Borgo San Dalmazzo by Augusto Vigna Taglianti (Brignoli 1966). Only seven of the species treated therein are directly referable to the study area.

Not long after, Tongiorgi (1968, 1969) published two important contributions focusing on the stenoecious and restricted endemic lycosid *Vesubia jugorum* (Simon, 1881), reporting material from Valle Gesso and Valle Pesio. The discovery of this species in Italy was based on material collected in the former Parco Naturale dell'Argentera (Bassa del Drous, Rifugio Soria and Colle di Finestra) by Giuseppe Osella and Augusto Vigna Taglianti in the summer of 1966.

The first species new to science discovered in the study area was *Coelotes osellai* De Blauwe, 1973 (Agelenidae C. L. Koch, 1837), described by De Blauwe (1973), who included a specimen from Rifugio Soria in the type series. Just a couple of years later, Brignoli (1975) described *Nesticus morisii* Brignoli, 1975 (Nesticidae Simon, 1894) and *Troglohyphantes konradi* Brignoli, 1975 (Linyphiidae Blackwall, 1859), two restricted endemic subterranean species collected in 1972 and 1973 by Angelo Morisi in the military bunker of Vernante, a hypogean site just outside the borders of the currently protected area, widely known among biospeleologists for its extraordinary faunistic peculiarities (Isaia *et al.* 2011).

Several works published between 1970 and 1990 reported more material collected in the study area (Brignoli 1971, 1972, 1975, 1977, 1985; De Blauwe 1973; Thaler & Madlener 1979; Bologna & Vigna Taglianti 1982, 1985; Manzone *et al.* 1987; Maurer & Thaler 1988; Maurer 1992; Pesarini 1991, 1996), but since Calloni's list (1890), the total number of records has not even doubled (rising from 31 to 54 in 1996).

Among these publications, it is worth mentioning the contribution by Maurer & Thaler (1988), which provided the second Italian record of *Vesubia jugorum* in Italy (Colle del Sabbione) and the first Italian record of *Turinyphia clairi* (Simon, 1884), a palaeoendemic element recorded in the beech woods of Terme di Valdieri.

Spider knowledge of the study area increased slowly in the following decade, with 18 new records of species scattered in nine works (Pesarini 2000, 2001; Lana *et al.* 2002, 2003; Arnò & Lana 2005; Isaia *et al.* 2007, Lambiase *et al.* 2007; Isaia & Pantini 2010). The catalogue of Piemonte and Lombardia (Isaia *et al.* 2007) provides the highest number of records, summing up original and literature records on a regional basis. During the same period, several papers focussed on cave dwelling spiders (Lana *et al.* 2002, 2003; Arnò & Lana 2005; Isaia & Pantini 2010; Isaia *et al.* 2010c) reporting data from about twenty caves located within the borders of the study area. Details about subterranean localities within the study area are given in Isaia *et al.* (2011).

The first arachnological results of the Italian ATBI were published in 2012 and 2013, with the description of *Diplocephalus guidoi* Frick & Isaia, 2012, whose type locality is Pinet (Vallone della Valletta, Aisone) (Frick & Isaia 2012), and *Histopona leonardoii* Pantini & Isaia, 2013, the type series of which includes material from Entracque, Terme di Valdieri, Pian della Casa, Piano del Valasco and Palanfrè (Bolzern *et al.* 2013). Moreover, in the context of the ATBI project, Paschetta *et al.* (2013) focused on the ecology of Alpine pastures and the effects of grazing on the spider community. This work provides the highest number of new records ever published for the protected area (36), raising the total number of species to 111 (Fig. 2).

The contribution by Isaia & Chiarle (2015), describes the male of *Cybaeus vignai* Brignoli, 1977, mostly based on material collected in Palanfrè and Bousset, and reports the finding of *Dysdera cribrata* Simon, 1882, a rare species of woodlice spider, at Piano del Valasco and Bousset. That work adds two more species to the records provided in literature for the study area, bringing the total number of species to 113.

#### THE ANNOTATED CHECK-LIST

For each species we provide new collection data (NEW DATA), previous records (LITERATURE), current distribution (CHOROTYPE) and the habitat in which it was collected (MACROHABITAT). Where necessary, remarks are also made (NOTES).

The general distribution of species was obtained from Platnick (2014) and other available information in literature. Consequently, we assigned the corresponding chorotype of the Italian fauna based on the works of Vigna Taglianti *et al.* (1993, 1999) and Stoch & Vigna Taglianti (2005) (Table 1).

Based on the dominant land use, we identified eleven categories of macrohabitats occurring in the study area: Alpine grasslands, Alpine pastures, Alpine prairies, rocky lands, broadleaved woods, larch woods, riparian habitats, wetlands, shrublands, caves and other habitats.

TABLE 1. — Chorotypes, relative number of species found in the study area and corresponding groups of chorotypes used in Fig. 27. Chorotypes follow Vigna Taglianti *et al.* (1993, 1999) and Stoch & Vigna Taglianti (2005).

Chorotype	Abbreviation	N	Group (Fig. 27)	
Cosmpolitan	COS	2	Cosmopolitan	
Subcosmopolitan	SCO	1		
Holarctic	OLA	44	Holarctic	
Palearctic	PAL	98	Palearctic	
Siberian-European	SIE	33		
Asiatic-European	ASE	7		
Turanic-European	TUE	10	Turanic-European-Mediterranean	
Turanic-Mediterranean	TUM	1		
European	EUR	47	European	
Southern European	SEU	13		
Central European	CEU	9		
European-Mediterranean	EUM	1		
Western European	WEU	1		
Mediterranean	MED	2		Mediterranean
Southern Alpine	ALPS	5		
Alps-Appennine	ALAP	4	Endemic	
Southern-Central Alpine	ALPC	1		
Western Alpine	ALPW	2		
Southwestern Alps-Northern Appenine	AWNA	2		
Southwestern Alpine	ALSW	12		

“Alpine prairies” are ungrazed or lightly grazed grasslands above 1900 m, while “Alpine pastures” are grazed grasslands at intermediate elevations (1600-1900 m). This category includes the most heavily grazed areas found within the study area (i.e. pastures at Pian della Casa). On the other hand, “Alpine grasslands” are grazed grasslands below 1600 m. “Rocky lands” are Alpine scree, generally over 2000 m a.s.l., but we also include in this category rocky slopes at lower elevations. “Broadleaved woods” include mostly beech forests and fragmented woods of *Acer*, *Tilia* and *Fraxinus* occurring on steep, humid slopes at lower elevations. Woods of *Larix decidua* occurring at middle/high elevations (1500-2000 m) are included in the “larch woods” category. We grouped gravel beds, the riparian vegetation of stream banks and other similar habitats under the category “riparian habitats”. Grasslands with bushes and the submediterranean shrublands of the Natural Reserve of Rocca San Giovanni-Saben are assigned to the “shrublands” category. Peat bogs, lake-shores and mountain springs are included in the category “wetlands”. The study area encompasses several subterranean systems, such as the caves of Bandito (natural), the military bunker of Vernante (artificial) and several hypogean sites in the Infernotto Valley, based on natural caves but exploited in the past for copper, iron and slate mining. These localities are included in the “caves” category. We report “not specified” for records without a precise indication of habitat, which mainly concern literature records (e.g., records in Calloni 1889).

The literature section refers to data relating to the study area published between 1890 and 2013 (Table 2).

For the new data, we provide the following information on the sampling event: municipality, toponym of closest locality, details about habitat, altitude, date (a time interval in case of

TABLE 2. — List of the publications referring to spider species found in the study area, total number of records (Recorded species) and number of new records (New records).

Literature	Recorded species	New records
Calloni 1889	31	31
Brignoli 1966	8	3
Martinotti 1968	2	2
Tongiorgi 1968	1	1
Lugetti & Tongiorgi 1969	2	2
Tongiorgi 1969	1	0
Brignoli 1971	2	1
Brignoli 1972	4	1
De Blauwe 1973	4	4
Brignoli 1975	5	3
Brignoli 1977	3	2
Thaler & Madlener 1979	1	1
Bologna & Vigna Taglianti 1982	1	0
Bologna & Vigna Taglianti 1985	1	0
Brignoli 1985	4	0
Manzone <i>et al.</i> 1987	2	0
Maurer & Thaler 1988	2	1
Pesarini 1991	1	1
Maurer 1992	1	1
Pesarini 1996	2	1
Pesarini 2000	1	1
Pesarini 2001	1	0
Lana <i>et al.</i> 2002	2	1
Lana <i>et al.</i> 2003	4	1
Arnò & Lana 2005	13	4
Isaia <i>et al.</i> 2007	57	7
Lambiase <i>et al.</i> 2007	46	4
Isaia & Pantini 2010	1	0
Isaia <i>et al.</i> 2010c	1	0
Isaia <i>et al.</i> 2011	15	1
Frick & Isaia 2012	1	1
Bolzern <i>et al.</i> 2013	1	1
Chiarle <i>et al.</i> 2013	1	0
Paschetta <i>et al.</i> 2013	54	36
Isaia & Chiarle 2015	3	1
Total from literature	279	113
Original data	260	182
Total		295

pitfall traps), sampling methods (unless otherwise specified, specimens were obtained using pitfall traps or by beating onto a tray and collected with a mouth aspirator), number and sex of individuals. Coordinates of each sampling locality are reported in the EDIT dataset, which is accessible on-line (<http://www.gbif.org/occurrence/367105085>).

All specimens mentioned in the new data were collected by the authors unless otherwise indicated.

The material is stored in the Isaia collection at the Department of Life Sciences and Systems Biology of the University of Turin unless otherwise indicated (i.e. MRSN: Museo Regionale di Scienze Naturali di Torino).

Under the heading “Notes” we provide remarks, noting new records for the study area, for Piemonte or for Italy. Table 2 was used as reference for the study area, Isaia *et al.* (2007) for the fauna of Piemonte and Trotta (2005), and Pantini & Isaia (2008) for Italy.

The checklist follows the systematic order and nomenclature of Platnick (2014).

ANNOTATED CHECKLIST

Family LEPTONETIDAE Simon, 1890

*Leptoneta crypticola franciscocoli* di Caporiacco, 1950

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, under stones, 900-1200 m, 22.V.2010, 1♂.

LITERATURE. — Lana *et al.* (2002); Arnò & Lana (2005); Isايا *et al.* (2011).

CHOROTYPE. — ALSW.

MACROHABITAT. — Caves, rocky lands.

Family PHOLCIDAE C. L. Koch, 1851

*Pholcus opilionoides* (Schrank, 1781)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♀; Pian del Valasco, among rocks in an Alpine scree, 1764 m, 29.VI.2009, 1♂, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies, broadleaved woods, riparian habitats, rocky lands.

*Pholcus phalangoides* (Fuesslin, 1775)

NEW DATA. — Entracque: Gorge della Reina, rock-debris in sparse wood, 900-1200 m, 22.V.2010, 1♀.

NOTES. — New record for the study area.

CHOROTYPE. — COS.

MACROHABITAT. — Broadleaved woods, rocky lands.

Family SEGESTRIIDAE Simon, 1893

*Segestria senoculata* (Linnaeus, 1758)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 23.IX.2009, 3 juv; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.IV.2009, 2♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, broadleaved woods, shrublands, riparian habitats.

Family DYSDERIDAE C. L. Koch, 1837

*Dysdera cribrata* Simon, 1882

LITERATURE. — Isايا & Chiarle (2015).

CHOROTYPE. — ALSW.

MACROHABITAT. — Alpine prairies, riparian habitats.

*Dysdera crocata* C. L. Koch, 1838

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — COS.

MACROHABITAT. — Broadleaved woods.

*Harpactea hombergi* (Scopoli, 1763)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 17.VIII.2010, 1♂.

LITERATURE. — Arnò & Lana (2005).

CHOROTYPE. — EUR.

MACROHABITAT. — Caves, larch woods.

*Harpactocrates drassoides* (Simon, 1882)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 17.VIII.2010, 2♂; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII-23.IX.2009 (pitfall traps), 1♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 2♀; same locality, 27.VIII-23.IX.2009 (pitfall traps), 4♂, 2♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1.VIII-31.VIII.2011 (pitfall traps), 1♂; Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 5♂ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN); same locality, 13.X.2011, 8♂, 4♀ (MRSN); same locality, 1500 m, 9.IX.2011, 7♂, 8♀ (MRSN); same locality, 11.VIII.2011, 1♂ (MRSN); same locality, 13.X.2011, 14♂, 10♀ (MRSN); same locality, 1550 m, 9.IX.2011, 11♂, 4♀ (MRSN); same locality, 11.VIII.2011, 1♂ (MRSN); same locality, 13.X.2011, 1♂, 2♀ (MRSN); same locality, 1550 m, 13.X.2011, 6♂ (MRSN); same locality, 1600 m, 9.IX.2011, 14♂, 2♀ (MRSN); same locality, 11.VIII.2011, 2♂ (MRSN); same locality, 13.X.2011, 22♂, 14♀ (MRSN); Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

LITERATURE. — Thaler & Madlener (1979); Paschetta *et al.* (2013).

CHOROTYPE. — ALPW.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, larch woods, riparian habitats.



FIG. 3. — *Nesticus morisii* Brignoli, 1975 (Nesticidae). Vernante, military bunker. Photograph: Mauro Paschetta, 2009.

Family ULOBORIDAE Thorell, 1869

*Uloborus walckenaerius* Latreille, 1806

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, forest edge with scattered rocks, 1000-1500 m, 22.IX.2009, 1♀ (MRSN).

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

Family NESTICIDAE Simon, 1894

*Nesticus eremita* Simon, 1879

LITERATURE. — Martinotti (1968); Brignoli (1972, 1975); Manzone *et al.* (1987); Lana *et al.* (2002, 2003); Arnò & Lana (2005); Isaia *et al.* (2011).

CHOROTYPE. — EUR.

MACROHABITAT. — Caves.

*Nesticus morisii* Brignoli, 1975  
(Fig. 3)

LITERATURE. — Martinotti (1968); Brignoli (1972, 1975); Manzone *et al.* (1987); Lana *et al.* (2002, 2003); Arnò & Lana (2005); Isaia *et al.* (2011).

CHOROTYPE. — ALSW.

MACROHABITAT. — Caves.

Family THERIDIIDAE Sundevall, 1833

*Asagena phalerata* (Panzer, 1801)

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23 IX.2009 (pitfall traps), 2♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♂, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010, 1♂.

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, riparian habitats.

*Crustulina guttata* (Wider, 1834)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

*Cryptachaea riparia* (Blackwall, 1834)

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Dipoena erythropus* (Simon, 1881)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 5♂ (collected within the PIT Summer School 2012).

CHOROTYPE. — EUR.

MACROHABITAT. — Shrublands.

NOTES. — New record for Piemonte.

*Dipoena melanogaster* (C. L. Koch, 1837)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 2♀ (collected within the PIT Summer School 2011); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Enoplognatha latimana*  
Hipia & Oksala, 1982

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 5♂, 3♀ (collected within the PIT Summer School 2012).

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Enoplognatha ovata* (Clerck, 1757)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 3♂, 1♀ (collected within the PIT Summer School 2012); Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1 juv (MRSN).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, shrublands.

NOTES. — New record for the study area.

*Euryopsis flavomaculata* (C. L. Koch, 1836)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — PAL.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Euryopsis laeta* (Westring, 1861)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Heterotheridion nigrovariegatum* (Simon, 1873)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 2♀.

LITERATURE. — Lambiasi *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, shrublands.

*Neottiura bimaculata* (Linnaeus, 1767)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011).

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for Piemonte.



*Parasteatoda lunata* (Clerck, 1757)

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods.

*Phylloneta impressa* (L. Koch, 1881)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 2♀ (collected within the PIT Summer School 2012); Valdieri: nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 1♂, 4♀; pathway to Pian del Valasco, Alpine pasture, 1300-1764 m, 7.VII.2011, 4♀ (MRSN); pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 30.VI.2011, 1♀ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♀ (MRSN).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies, shrublands, wetlands.

NOTES. — New record for the study area.

*Phylloneta sisypbia* (Clerck, 1757)

NEW DATA. — Valdieri: pathway to Pian del Valasco, Alpine pasture, 1300-1764 m, 7.VII.2011, 2♀ (MRSN); pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11-12.VII.2009 (pitfall traps), 1♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀; Vallone di Lorusa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 2♀; Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1♀ (beating tray); Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 14.VI.2010, 1♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 2♀.

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies, broadleaved woods, riparian habitats.

*Robertus lividus* (Blackwall, 1836)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007 (pitfall traps), 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♂; Vallone della Meris, peatbog, 1200-1800 m, 26.V.2011, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies.

LITERATURE. — Calloni (1889).

*Robertus scoticus* Jackson, 1914

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for Piemonte.

*Rugathodes bellicosus* (Simon, 1873)

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, among rocks, 1500-2000 m, 11-12.VII.2009 (pitfall traps), 2♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Simitidion simile* (C. L. Koch, 1836)

NEW DATA. — Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI-19.VII.2009 (pitfall traps), 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Steatoda albomaculata* (De Geer, 1778)

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 1♀; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♀, leg. B. Rizzioli.

LITERATURE. — Calloni (1889).

CHOROTYPE. — COS.

MACROHABITAT. — Alpine pastures.

*Steatoda bipunctata* (Linnaeus, 1758)

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Theridion betteni* Wiehle, 1960

NEW DATA. — Valdieri: nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 1♀; pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♀; Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1300 m, 1.VIII.2011, 3♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, riparian habitats, wetlands.

NOTES. — New record for Piemonte.

*Theridion melanurum* Hahn, 1831

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI.2009, 2♂.

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Theridion petraeum* L. Koch, 1872

NEW DATA. — Valdieri: surroundings of Lago Sottano di Valscura, Alpine scree, 2300 m, 8.VII.2011, 1♂.

CHOROTYPE. — OLA.

MACROHABITAT. — Rocky lands.

NOTES. — New record for the study area.

*Theridion varians* Hahn, 1833

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1♂ (beating tray); Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 14.VI.2010, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, broadleaved woods, riparian habitats.

NOTES. — New record for the study area.

Family PIMOIDAE Wunderlich, 1986

*Pimoa rupicola* (Simon, 1884)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♂; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 23.IX.2009, 2♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀ (MRSN); same locality, 11.VIII.2011, 1♂ (MRSN); same locality, 13.X.2011, 1♂, 2 juv. (MRSN); same locality, 1600 m, 13.X.2011, 1♂, 1♀.

LITERATURE. — Lana *et al.* (2003); Arnò & Lana (2005); Isايا *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — AWINA.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, shrublands, caves, riparian habitats.

Family LINYPHIIDAE Blackwall, 1859

*Agyneta gulosa* (L. Koch, 1869)

LITERATURE. — Calloni (1889).

CHOROTYPE. — PAL.

MACROHABITAT. — Rocky lands, not specified.

NEW DATA. — Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♂.

*Agyneta innotabilis* (O. P.-Cambridge, 1863)

NEW DATA. — Vernante: Palanfrè, beech forest, 1500 m, 11.VIII.2011, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Agyneta nigripes* (Simon, 1884)

LITERATURE. — Calloni (1889).

CHOROTYPE. — PAL.

MACROHABITAT. — not specified.

*Agyneta orites* (Thorell, 1875)

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine prairies.

*Agyneta rurestris* (C. L. Koch, 1836)

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 15.V.2012, 1♀ (collected during the PIT Summer School 2011); Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂, 1♀ (collected during the PIT Summer School 2012); Valdieri: Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 6♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♀ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, forest edge with scattered rocks, 1000-1500 m, 22.IX.2009, 4♀ (MRSN); southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011, 1♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♂, 2♀, leg. B. Rizzioli.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, shrublands, riparian habitats.

*Araeoncus vaporariorum* (O. P.-Cambridge, 1875)

LITERATURE. — Calloni (1889); Paschetta *et al.* (2013).

CHOROTYPE. — ALSW.

MACROHABITAT. — Alpine pastures, not specified.

*Bathypantes gracilis* (Blackwall, 1841)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods, not specified.

NOTES. — New record for the study area.

*Bathypantes setiger* O. P.-Cambridge, 1894

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for the study area.

*Boleptyphantes index* (Thorell, 1856)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 27.X.2010, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Larch woods.

NOTES. — New record for Piemonte.

*Bolyphantes alticeps* (Sundevall, 1833)

NEW DATA. — Vernante: Palanfrè, beech forest, 1600 m, 13.X.2011, 1♂, 2♀; Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 2♂, 1♀.

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, not specified.

*Bolyphantes luteolus* (Blackwall, 1833)

NEW DATA. — Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♀.

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, not specified.

*Centromerus brevipalpus* (Menge, 1866)

NEW DATA. — Vernante: Palanfrè, beech forest, 1600 m, 13.X.2011, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for Piemonte.

*Centromerus sellarius* (Simon, 1884)

NEW DATA. — Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂; same locality, 1550 m, 11.VIII.2011, 1♀; same locality, 13.X.2011, 3♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for Piemonte.

*Centromerus serratus* (O. P.-Cambridge, 1875)

NEW DATA. — Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂; same locality, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Centromerus silvicola* (Kulczynski, 1887)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀; same locality, 1550 m, 11.VIII.2011, 1♀ (MRSN); same locality, 1600 m, 11.VIII.2011, 1♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN).

CHOROTYPE. — CEU.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Centromerus sylvaticus* (Blackwall, 1841)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 13.X.2011, 1♀ (MRSN); same locality, 1550 m, 13.X.2011, 1♂, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Ceratinella brevipes* (Westring, 1851)

NEW DATA. — Valdieri: Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Rocky lands.

NOTES. — New record for the study area.

*Ceratinella brevis* (Wider, 1834)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies.

*Ceratinella scabrosa* (O. P.-Cambridge, 1871)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — PAL.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Collinsia inerrans* (O. P.-Cambridge, 1855)

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

*Diplocephalus crassilobus* (Simon, 1884)

LITERATURE. — Pesarini (1996).

CHOROTYPE. — CEU.

MACROHABITAT. — Alpine prairies.

*Diplocephalus foraminifer* (O. P.-Cambridge, 1875)

LITERATURE. — Calloni (1889).

CHOROTYPE. — EUR.

MACROHABITAT. — not specified.

*Diplocephalus guidoi* Frick & Isايا, 2012

LITERATURE. — Frick & Isايا (2012).

CHOROTYPE. — ALSW.

MACROHABITAT. — Larch woods.

*Diplocephalus helleri* (L. Koch, 1869)

LITERATURE. — Calloni (1889); Pesarini (1996).

CHOROTYPE. — CEU.

MACROHABITAT. — Alpine grasslands, Alpine prairies.

*Diplocephalus latifrons* (O. P.-Cambridge, 1863)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007 (pitfall traps), 2♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies, riparian habitats.

NOTES. — New record for the study area.

*Diplocephalus pavesii* Pesarini, 1996

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 2♀.

CHOROTYPE. — ALPS.

MACROHABITAT. — Broadleaved woods, riparian habitats.

NOTES. — New record for the study area.

*Diplocephalus picinus* (Blackwall, 1841)

NEW DATA. — Entracque: Trinità di Entracque, beech forest, 1000-1200 m, 18.V.2011, 2♂; Vernante: Palanfrè, beech forest, 1450 m, 11.VIII.2011, 1♀; same locality, 1500 m, 11.VIII.2011, 1♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN); same locality, 1600 m, 11.VIII.2011, 1♀ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 29.VI.2007, 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Diplocephalus protuberans* (O. P.-Cambridge, 1875)

NEW DATA. — Valdieri: Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

*Drapetisca socialis* (Sundevall, 1833)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♀; Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♂, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, riparian habitats.

*Entelecara acuminata* (Wider, 1834)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1♂, 1♀ (beating tray).

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods, shrublands.

NOTES. — New record for Piemonte.

*Erigone cristatopalpus* Simon, 1884

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 2♂; Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 10♂, 13♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

LITERATURE. — Calloni (1889).

CHOROTYPE. — CEU.

MACROHABITAT. — Alpine pastures, Alpine prairies.

*Erigone dentipalpis* (Wider, 1834)

NEW DATA. — Valdieri: Lago Sottano della Sella, Alpine grassland, close to lake shore, 1882 m, 17.VIII.2010, 1♂, 1♀; nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 1♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀; Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 4♂, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 7♂, leg. B. Rizzoli.

LITERATURE. — Calloni (1889); Paschetta *et al.* (2013).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures, Alpine prairies, wetlands.

*Evansia merens* O. P.-Cambridge, 1900

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

*Frontinellina frutetorum* (C. L. Koch, 1834)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 2♀ (collected within the PIT Summer School 2012); Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 3♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine grasslands, shrublands.

NOTES. — New record for the study area.

*Hilaira excisa* (O. P.-Cambridge, 1871)

NEW DATA. — Valdieri: Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 15♂, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for Piemonte.

*Labulla thoracica* (Wider, 1834)

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 23.IX.2009, 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♂. Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods, shrublands, riparian habitats.

NOTES. — New record for the study area.

*Leptyphantès agnellus* Maurer & Thaler, 1988

NEW DATA. — Valdieri: Galleria di Valscura, Alpine scree, 2100 m, 11-12.VII.2009 (pitfall traps), 3♀; nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 1♀.

CHOROTYPE. — ALSW.

MACROHABITAT. — Alpine prairies, rocky lands.

NOTES. — New record for the study area.

*Lepthyphantes notabilis* Kulczyn'ski, 1887

CHOROTYPE. — SEU.

MACROHABITAT. — caves.

LITERATURE. — Isايا *et al.* (2011).

*Lepthyphantes* sp.

NEW DATA. — Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♂.

MACROHABITAT. — Rocky lands.

NOTES. — Unidentified species. Pending the examination of more fresh material to be collected in future surveys, this species remains unidentified.

*Linyphia hortensis* Sundevall, 1830

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♀; pathway to Pian del Valasco, beech forest, 1500-2000 m, 19.V.2011, 1♂, 1♀ (MRSN); Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, riparian habitats.

*Linyphia triangularis* (Clerck, 1757)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 17.VIII.2010, 1♂; Entracque: Trinità di Entracque, Vallone Bousset, beech forest, 1000-1200 m, 15.VI.2009, 1♀ (beating tray); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 2♀; Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1♀ (MRSN); Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 3♂, 1♀ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♂, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

*Mansuphantes aridus* (Thorell, 1875)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 27.X.2010, 1♀.

CHOROTYPE. — SEU.

MACROHABITAT. — Larch woods.

NOTES. — New record for Piemonte.

*Mansuphantes pseudoarciger* (Wunderlich, 1985)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 1♀.

CHOROTYPE. — ALPS.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Mecynargus cf. paetulus* (O. P.-Cambridge, 1875)

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies.

NOTES. — In the absence of males, the identification of this species remains doubtful. However, the presence of this species in the study area is plausible, given that Tanasevitch (2011) has reported *M. paetulus* in Piemonte (Valle Toggia, Verbania).

*Megaleptyphantes collinus* (L. Koch, 1872)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Micrargus alpinus* Relys & Weiss, 1997

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007 (pitfall traps), 2♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

CHOROTYPE. — ALPC.

MACROHABITAT. — Alpine prairies, riparian habitats.

NOTES. — New record for Italy.

*Micrargus subaequalis* (Westring, 1851)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 3♂.

CHOROTYPE. — ASE.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Microlinyphia pusilla* (Sundevall, 1830)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012); Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀; Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies, broadleaved woods, shrublands.

*Microneta viaria* (Blackwall, 1841)

NEW DATA. — Entracque: Trinità di Entracque, beech forest, 1000-1200 m, 28.V.2011, 1♂; Vernante: Palanfrè, beech forest, 1450-1500 m, 9.IX.2011, 2♀ (MRSN); same locality, 13.X.2011, 2♂ (MRSN); same locality, 1500-1550 m, 11.VIII.2011, 1♂, 4♀; same locality, 1600 m, 11.VIII.2011, 1♀ (MRSN).

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

*Mughiphantes pulcher* (Kulczynski, 1881)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀; Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 2♀.

CHOROTYPE. — CEU.

MACROHABITAT. — Rocky lands.

NOTES. — New record for the study area.

*Neriene clathrata* (Sundevall, 1830)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012).

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Neriene emphana* (Walckenaer, 1841)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 2♂, 1♀ (collected within the PIT Summer School 2012); Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♀; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 2♀ (MRSN); same locality, 1500 m, 9.IX.2011, 4♀ (MRSN); same locality, 1550 m, 9.IX.2011, 2♀ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 2♀ (beating tray); same locality, 29.VI.2007, 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies, broadleaved woods, shrublands, riparian habitats.

*Neriene peltata* (Wider, 1834)

NEW DATA. — Entracque: Tetti Violin, riparian habitats, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: pathway to Pian del Valasco, Alpine pasture, 1300-1764 m, 7.VII.2011, 1♀ (MRSN); pathway to Pian del Valasco, beech forest, 1500-2000 m, 30.VI.2009, 2♂, 1♀ (MRSN); pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 30.VI.2011, 1♀ (MRSN); Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies, broadleaved woods, riparian habitats.

*Oedothorax apicatus* (Blackwall, 1850)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Valdieri: nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 3♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands, wetlands.

NOTES. — New record for the study area.

*Oedothorax retusus* (Westring, 1851)

NEW DATA. — Entracque: Gorge della Reina, stream banks, 900-1200 m, 27.V.2011, 1♀; Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 2♂, 3♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — PAL.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Palliduphantes pallidus* (O. P.-Cambridge, 1871)

NEW DATA. — Limone Piemonte: on the way to Bec Baral, Alpine pasture, 2000 m, 16.V.2006, 2♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11.VII-27.VIII.2009 (pitfall traps), 2♀; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀; Vallone della Meris, deciduous forest with Fraxinus and Acer,

1200-1800 m, 1.VIII.2011, 1♂; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN); same locality, 13.X.2011, 2♂ (MRSN); same locality, 1550 m, 13.X.2011, 1♀ (MRSN); same locality, 1600 m, 11.VIII.2011, 3♀ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♂; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

LITERATURE. — Brignoli (1972); Isايا *et al.* (2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, caves.

*Pelecopsis elongata* (Wider, 1834)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 27.X.2010, 2♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Larch woods.

NOTES. — New record for Piemonte.

*Pelecopsis parallela* (Wider, 1834)

LITERATURE. — Calloni (1889).

CHOROTYPE. — PAL.

MACROHABITAT. — not specified.

*Piniphantes pinicola* (Simon, 1884)

NEW DATA. — Valdieri: nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — TUE.

MACROHABITAT. — Alpine prairies, wetlands.

*Pityohyphantes pbrygianus* (C. L. Koch, 1836)

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♀.

CHOROTYPE. — ASE.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for Piemonte.

*Poeciloneta variegata* (Blackwall, 1841)

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures.

*Prinerigone vagans* (Audouin, 1826)

NEW DATA. — Valdieri: Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 1♂, 2♀, leg. K. Wolf-Schwenninger & H. Schwenninger; Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII.2009, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

*Scotinotylus antennatus* (O. P.-Cambridge, 1875)

LITERATURE. — Calloni (1889).

CHOROTYPE. — CEU.

MACROHABITAT. — not specified.

*Styloctetor stativus* (Simon, 1881)

NEW DATA. — Vernante: Palanfrè, beech forest, 1550 m, 11.VIII.2011, 1♂; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010, 1♂.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures, broadleaved woods.

NOTES. — New record for the study area.

*Tapinocyba praecox* (O. P.-Cambridge, 1873)

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies.

*Tenuiphantes flavipes* (Blackwall, 1854)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 27.X.2010, 1♀; Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Valdieri: Vallone della Meris, peatbog, 1200-1800 m, 27.V.2011, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Larch woods, riparian habitats, wetlands.

NOTES. — New record for the study area.

*Tenuiphantes mingei* (Kulczynski, 1887)

NEW DATA. — Aisone: Sorgente Pinet, In the gravel of a small spring among mosses, 1560 m, 11.IX.2011, 1♂; Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀; Valdieri: Galleria di Valscura, Alpine scree, 2100 m,



11-12.VII.2009 (pitfall traps), 1♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 2♀, leg. B. Rizzioli.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, wetlands.

NOTES. — New record for the study area.

*Tenuiphantes tenebricola* (Wider, 1834)

NEW DATA. — Aisone: Sorgente Pinet, In the gravel of a small spring among mosses, 1560 m, 11.IX.2011, 1♀; Entracque: Trinità di Entracque, beech forest, 1000-1200 m, 28.V.2011, 1♂; Valdieri: Lago Sottano della Sella, Alpine grassland, close to lake shore, 1882 m, 17.VIII.2010, 1♀; pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 23.IX.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011, 1♂; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 6♀ (MRSN); same locality, 11.VIII.2011, 2♂, 4♀ (MRSN); same locality, 13.X.2011, 1♂, 2♀ (MRSN); same locality, 1500 m, 9.IX.2011, 3♂, 10♀ (MRSN); same locality, 1500 m, 11.VIII.2011, 9♀ (MRSN); same locality, 1500 m, 13.X.2011, 2♂, 14♀ (MRSN); same locality, 1550 m, 9.IX.2011, 2♀ (MRSN); same locality, 1550 m, 11.VIII.2011, 4♀ (MRSN); same locality, 1550 m, 13.X.2011, 6♀ (MRSN); same locality, 1600 m, 9.IX.2011, 1♂, 11♀ (MRSN); same locality, 1600 m, 11.VIII.2011, 11♀ (MRSN); same locality, 1600 m, 13.X.2011, 9♂, 23♀ (MRSN); same locality, 1550 m, 2.VII.2010, 1♀; same locality, 1550 m, 22.VI.2009, 1♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine prairies, broadleaved woods, riparian habitats, wetlands.

NOTES. — New record for the study area.

*Tenuiphantes tenuis* (Blackwall, 1852)

NEW DATA. — Valdieri: Pian della Casa, Alpine grassland with peat-bogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀; Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — TUE.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods.

*Tiso vagans* (Blackwall, 1834)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures, Alpine prairies.

*Troglohyphantes konradi* Brignoli, 1975

LITERATURE. — Brignoli (1975, 1985); Bologna & Vigna Taglianti (1982); Pesarini (2001); Arnò & Lana (2005); Isaia *et al.* (2007, 2010c, 2011); Isaia & Pantini (2010).

CHOROTYPE. — ALSW.

MACROHABITAT. — Caves.

*Turinyphia clairi* (Simon, 1884)

(Fig. 4)

NEW DATA. — Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 1♂; Trinità di Entracque, Vallone Bousset, beech forest, 1000-1200 m, 15.VI.2009, 1♂ (beating tray); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♀; pathway to Pian del Valasco, beech forest, 1500-2000 m, 30.VI.2009, 1♂, 2♀ (MRSN); Vernante: Palanfrè, beech forest, 1500 m, 9.IX.2011, 1♀ (MRSN); same locality, 13.X.2011, 2♀ (MRSN); same locality, 1600 m, 13.X.2011, 2♀ (MRSN); same locality, 1550 m, 2.VII.2010, 2♀; same locality, 1550 m, 10.IX.2008, 2♂, 9♀; same locality, 1550 m, 22.VI.2009, 2♂, 1♀ (beating tray).

LITERATURE. — Maurer & Thaler (1988); Lambiasi *et al.* (2007).

CHOROTYPE. — WEU.

MACROHABITAT. — Alpine grasslands, broadleaved woods, riparian habitats.

*Walckenaeria acuminata* Blackwall, 1833

NEW DATA. — Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for Piemonte.

*Walckenaeria alticeps* (Denis, 1952)

NEW DATA. — Entracque: Trinità di Entracque, beech forest, 1000-1200 m, 28.V.2011, 1♂; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods, riparian habitats.

NOTES. — New record for Piemonte.

*Walckenaeria cf. simplex* Chyzer, 1894

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.



FIG. 4. — *Turinyphia clairi* (Simon, 1884) (Linyphiidae), Vernante, Palanfrè. Photograph: Mauro Paschetta (2009).

CHOROTYPE. — CEU.

MACROHABITAT. — Alpine prairies.

NOTES. — Identification doubtful, in need of validation.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for Piemonte.

*Walckenaeria languida* (Simon, 1914)

NEW DATA. — Vernante: Palanfrè, beech forest, 1450 m, 11.VIII.2011, 1♂.

CHOROTYPE. — MED.

*Walckenaeria monoceros* (Wider, 1834)

LITERATURE. — Calloni (1889).

CHOROTYPE. — TUE.

MACROHABITAT. — not specified.



FIG. 5. — *Meta menardi* (Latreille, 1804) (Tetragnathidae), Valdieri, Vallone della Meris. Photograph: Alberto Chiarle (2010).

#### Family TETRAGNATHIDAE Menge, 1866

##### *Meta menardi* (Latreille, 1804) (Fig. 5)

NEW DATA. — Valdieri: Vallone della Meris, small cave in beech forest, 1200-1800 m, 26.V.2011, 1♂.

LITERATURE. — Brignoli (1971, 1972, 1975, 1985); Manzone *et al.* (1987); Lana *et al.* (2003); Arnò & Lana (2005); Isaia *et al.* (2011).

CHOROTYPE. — EUR.

MACROHABITAT. — caves.

##### *Metellina mingei* (Blackwall, 1870)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; Vallone della Meris, small cave in beech forest, 1200-1800 m, 26.V.2011, 1♂.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods, shrublands, caves.

##### *Metellina merianae* (Scopoli, 1763)

NEW DATA. — Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 2♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀; same locality, 11.VII-12.VII.2009 (pitfall traps), 1♂, 2♀; same locality, 29.VI.2009, 1♂, 2♀.

LITERATURE. — Martinotti (1968); (Brignoli (1971, 1972, 1975, 1985); Bologna & Vigna Taglianti (1985); Lana *et al.* (2003); Arnò & Lana (2005); Isaia *et al.* (2011).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine grasslands, caves, riparian habitats.

##### *Metellina segmentata* (Clerck, 1757) (Fig. 6)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 5♂, 8♀ (MRSN); pathway to Gorge della Reina, shrubland with *Juniperus phoenicea*, 900 m, 16.IX.2011, 3♂ (MRSN); Trinità di Entracque, Vallone Bousset, beech forest, 1000-1200 m, 15.VI.2009, 1♂ (beating tray); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♂, 3♀; Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 5♂, 6♀ (MRSN); path-



FIG. 6. — *Metellina segmentata* (Clerck, 1757) (Tetragnathidae), Entracque, Gorge della Reina. Photograph: Alberto Chiarle (2011).

way to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀; Vernante: Palanfrè, beech forest, 1500 m, 22.IX.2011, 1♀ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 2♂, 1♀.

LITERATURE. — Brignoli (1966); Lambiase *et al.* (2007).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, Alpine prairies, broadleaved woods, shrublands, riparian habitats.

*Tetragnatha montana*  
Simon, 1874

NEW DATA. — Entracque: Gorge della Reina, stream banks, 900-1200 m, 27.V.2011, 1♂; Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 3♂, 3♀ (collected within the PIT Summer School 2012); Valdieri: Sant'Anna di Valdieri, stone wall, 1200 m, 21.VII.2011, 1♀ (MRSN), leg. F. La Pietra & L. Picciau.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands, riparian habitats.

NOTES. — New record for the study area.

Family ARANEIDAE Simon, 1895

*Aculepeira carbonaria* (L. Koch, 1869)  
(Fig. 7)

NEW DATA. — Valdieri: Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11.VII.2009, 2♀.

LITERATURE. — Brignoli (1966).

CHOROTYPE. — PAL.

MACROHABITAT. — Rocky lands.

*Aculepeira ceropegia* (Walckenaer, 1802)  
(Fig. 8)

NEW DATA. — Entracque: pathway to Lago degli Alberghi, Alpine prairies with rocky debris, 1800-2200 m, 26.VII.2011, 1♂ (MRSN); Tetti Violin, grassland, 900-1100 m, 4.VII.2012, 5♂, 3♀ (collected within the PIT Summer School 2012); Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 9 juv. (MRSN); nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 1♀; pathway to lago Soprano della Sella, Alpine prairies with rocky debris, 1900-2300 m, 30.VI.2011, 1♀ (MRSN); pathway to Pian del Valasco, Alpine pasture, 1300-1764 m, 7.VII.2011, 1♂ (MRSN); pathway to Pian del Valasco, beech forest near stream, 1500-2000 m,



FIG. 7. — *Aculepeira carbonaria* (L. Koch, 1869) (Araneidae), Valdieri, Rifugio Questa. Photograph: Mauro Paschetta (2011).

27.VIII.2009, 1 ♀; pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 30.VI.2011, 1 ♂, 1 ♀ (MRSN); Pian del Valasco, Alpine grassland with peatbogs, 1764 m, 7.VII.2011, 1 ♀, 4 juv. (MRSN); Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1 ♀; Vernante: Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 30.VI.2010, 1 ♂, 4 ♀.

LITERATURE. — Brignoli (1966); Calloni (1889); Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies, broadleaved woods, riparian habitats, wetlands.

*Araneus angulatus* Clerck, 1757  
(Fig. 9)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1 ♂ (collected within the PIT Summer School 2012); Valdieri: Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1 ♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands, riparian habitats.

NOTES. — New record for the study area.



FIG. 8. — *Aculepeira ceropegia* (Walckenaer, 1802) (Araneidae), Entracque, Lago degli Alberghi. Photograph: Alberto Chiarle (2013).

*Araneus circe* (Audouin, 1826)

LITERATURE. — Brignoli (1966).

CHOROTYPE. — PAL.

MACROHABITAT. — not specified.

*Araneus diadematus* Clerck, 1757  
(Fig. 10)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1♀ (MRSN); Lago

della Rovina, Alpine scree, 1535 m, 19.VIII.2011, 1♀ (MRSN), leg. F. La Pietra; pathway to Gorge della Reina, shrubland with *Juniperus phoenicea*, 900 m, 16.IX.2011, 2♂ (MRSN); Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 6♀ (MRSN); pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♀; pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 26.VI.2011, 1♂ (MRSN); Pian del Valasco, Alpine grassland with peatbogs, 1764 m, 7.VII.2011, 2 juv. (MRSN); Vallone di Lorusa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 2♀.

LITERATURE. — Brignoli 1966; Isايا et al. (2007); Lambiase et al. (2007).

CHOROTYPE. — OLA.



FIG. 9. — *Araneus angulatus* Clerck, 1757 (Araneidae), Entracque, Tetti Violin. Photograph: Mauro Paschetta (2011).

MACROHABITAT. — Alpine grasslands, Alpine prairies, broadleaved woods, shrublands, riparian habitats, rocky lands.

*Araneus marmoreus* Clerck, 1757  
(Fig. 11)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 2♀ (beating tray).

LITERATURE. — Brignoli (1966); Lambiase *et al.* (2007).

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods.

*Araneus marmoreus* var. *pyramidatus* Clerck, 1757

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juni-perus phoenicea*, 900-1200 m, 16.IX.2011, 1♂ (MRSN); Vernante: Palanfrè, beech forest, 1600 m, 22.IX.2011, 1♀ (MRSN).

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods, shrublands.

NOTES. — New record for the study area.

*Araneus quadratus* Clerck, 1757

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

*Araneus triguttatus* (Fabricius, 1793)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 2♂, 1♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11.VII.2009, 1♂.

CHOROTYPE. — ASE.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Araniella alpica* (L. Koch, 1869)

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♂, 1♀.

CHOROTYPE. — EUR.



FIG 10. — *Araneus diadematus* Clerck, 1757 (Araneidae), Entracque, Gorge della Reina. Photograph: Alberto Chiarle (2010).

MACROHABITAT. — Broadleaved woods, riparian habitats.

NOTES. — New record for Piemonte.

*Araniella cucurbitina* (Clerck, 1757)

NEW DATA. — Entracque: pathway to Lago degli Alberghi, Alpine prairies with rocky debris, 1800-2200 m, 26.VII.2011, 1 ♀ (MRSN); Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1 ♂, 15 ♀ (collected within the PIT Summer School 2012); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1 ♀; Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1 ♀ (beating tray).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies, broadleaved woods, shrublands, riparian habitats.

NOTES. — New record for the study area.

*Araniella opisthographa* (Kulczyn'ski, 1905)

NEW DATA. — Entracque: Tetti Violin, Riparian bushes, 900-1100 m, 10.VI.2011, 10 ♀ (collected within the PIT Summer School 2011); Valdieri: pathway to lago Soprano della Sella, Alpine prairies with rocky debris, 1900-2300 m, 30.VI.2011, 1 ♂ (MRSN); Natural Reserve





FIG. 11. — *Araneus marmoreus* var. *pyramidatus* Clerck, 1757 (Araneidae), Entracque, Gorge della Reina. Photograph: Alberto Chiarle (2013).

of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI.2009, 1♂, 1♀; Vernante: Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 30.VI.2010, 3♂, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — TUE.

MACROHABITAT. — Alpine grasslands, broadleaved woods, shrublands, riparian habitats.

*Argiope bruennichi* (Scopoli, 1772)  
(Fig. 12)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1♀ (MRSN).

LITERATURE. — Brignoli (1966).

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands.

*Cyclosa conica* (Pallas, 1772)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1 juv. (MRSN); Gorge della Reina, sparse wood, grassland and rock-debris, 900-

1200 m, 22.V.2010, 3♂, 5♀; Tetti Violin, banks of a small stream with bushes, 900-1100 m, 15.V.2012, 1♀; Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 10♀; Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1 juv, 1♀ (MRSN); pathway to lago Soprano della Sella, Alpine prairies with rocky debris, 1900-2300 m, 30.VI.2011, 1♀ (MRSN); Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1♀ (beating tray); Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♂, 1♀ (MRSN).

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, Alpine prairies, broadleaved woods, shrublands, not specified.

*Cyclosa oculata* (Walckenaer, 1802)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1 juv.

CHOROTYPE. — ASE.

MACROHABITAT. — Shrublands.

NOTES. — Identification based on the diagnostic shape of the abdomen. New record for the study area.

*Hypsosinga albobittata* (Westring, 1851)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 2♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Larinioides patagiatus* (Clerck, 1757)

NEW DATA. — Entracque: Trinità di Entracque, Vallone Bousset, beech forest, 1000-1200 m, 15.VI.2009, 1♀ (beating tray); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♂, 1♀; Valdieri: nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 1♂, 4♀; pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11-12.VII.2009 (pitfall traps), 1♀; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods, riparian habitats, wetlands.

NOTES. — New record for the study area.

*Larinioides sclopetarius* (Clerck, 1757)

LITERATURE. — Brignoli (1966).

CHOROTYPE. — OLA.

MACROHABITAT. — not specified.

*Mangora acalypha* (Walckenaer, 1802)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♂, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Neoscona adianta* (Walckenaer, 1802)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 5♂, 3♀ (collected within the PIT Summer School 2012); Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♂ (MRSN).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, shrublands.

NOTES. — New record for the study area.

*Nuctenea umbratica* (Clerck, 1757)

NEW DATA. — Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — SIE.

MACROHABITAT. — Broadleaved woods, riparian habitats.

*Parazygiella montana* (C. L. Koch, 1834)

NEW DATA. — Valdieri: nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 1♀; pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11-12.VII.2009 (pitfall traps), 2♀; same locality, 29.VI.2009, 4♀; Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♀; Vallone di Lorusa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♀.

CHOROTYPE. — SEU.

MACROHABITAT. — Broadleaved woods, riparian habitats, rocky lands, wetlands.

NOTES. — New record for the study area.

Family LYCOSIDAE Sundevall, 1833

*Alopecosa accentuata* (Latreille, 1817)

NEW DATA. — Limone Piemonte: Bec Baral, Alpine prairies with rocky debris, 2130 m, 23.V.1999, 1♂; Valdieri: pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 30.VI.2011, 1♀ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 19.V.2011, 1♀ (MRSN); same locality, 29.IV.2009, 1♂; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine prairies, shrublands.

*Alopecosa aculeata* (Clerck, 1757)

NEW DATA. — Valdieri: surroundings of Lago del Claus, Alpine scree, 2350 m, 8.VII.2011, 1♂ (MRSN); Vernante: nearby Palanfrè, grassland, 1400 m, 21.VII.2011, 1♂ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 2♀, leg. B. Rizzoli

LITERATURE. — Lugetti & Tongiorgi 1969; Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, rocky lands.



FIG. 12. — *Argiope bruennichi* (Scopoli, 1772) (Araneidae), Entracque, Gorge della Reina. Photograph: Mauro Paschetta (2010).

*Alopecosa alpicola* (Simon, 1876)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Monte Chamoussier, Vallone degli Alberghi, high Alpine prairies with scattered rocks, 2478 m, 1.VII.2010, 1♀; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010, 1♂.

LITERATURE. — Lugetti & Tongiorgi (1969); Isaia *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, rocky lands.

*Alopecosa cuneata* (Clerck, 1757)

NEW DATA. — Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 1♂; Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011, 1♀; Vernante: Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 14.VI.2010, 1♀.

LITERATURE. — Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies.

*Alopecosa inquilina* (Clerck, 1757)

NEW DATA. — Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♀, leg. B. Rizzioli.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

*Alopecosa mariaae* (Dahl, 1908)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♂.

CHOROTYPE. — SIE.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Alopecosa pulverulenta* (Clerck, 1757)

NEW DATA. — Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 1♀; Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀; Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 1♂; Vernante: Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 14.VI.2010, 1♂.

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies.

*Alopecosa trabalis* (Clerck, 1757)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂; Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂, 2♀ (collected within the PIT Summer School 2011); Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009 (pitfall traps), 1♂; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; Natural Reserve of Rocca San Giovanni-Saben, forest edge with scattered rocks, 1000-1500 m, 22.IX.2009, 1♀ (MRSN); Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀ (MRSN); same locality, 11.VIII.2011, 1♂ (MRSN); same locality, 1550 m, 9.IX.2011, 1♀ (MRSN); same locality, 1600 m, 11.VIII.2011, 6♂, 1♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 20♂, 1♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 2♂.

CHOROTYPE. — TUE.

MACROHABITAT. — Alpine grasslands, Alpine pastures, broadleaved woods, shrublands.

NOTES. — New record for the study area.

*Arctosa renidescens* Buchar & Thaler, 1995

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 2♂.

CHOROTYPE. — CEU.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Aulonia albimana* (Walckenaer, 1805)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009 (pitfall traps), 1♀; Vernante: Palanfrè, beech forest, 1600 m, 11.VIII.2011, 1♀ (MRSN).

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods, shrublands.

NOTES. — New record for the study area.

*Hogna radiata* (Latreille, 1817)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀.

CHOROTYPE. — TUM.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Pardosa agrestis* (Westring, 1861)

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

*Pardosa amentata* (Clerck, 1757)  
(Fig. 13)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 2♂; Tetti Violin, banks of a small stream with bushes, 900-1100 m, 15.V.2012, 5♂ (collected within the PIT Summer School 2011); Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012); Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-09.VIII.2007 (pitfall traps), 21♂, 22♀, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 3♂, 2♀; nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 3♀; nearby Rifugio Livio Bianco, peatbog,



FIG. 13. — *Pardosa amentata* (Clerck, 1757) (Lycosidae) carrying an egg sac. Valdieri, Lago Soprano della Sella. Photograph: Mauro Paschetta (2013).

1900 m, 27.VI.2011, 1♀; pathway to Pian del Valasco, Alpine scree, 1300-1764 m, 29.VI.2009, 2♀ (MRSN); pathway to Pian del Valasco, beech forest, 1500-2000 m, 19.V.2011, 1♀ (MRSN); Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 2♂ (MRSN); Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007, 30♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 4♂, 2♀; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♂.

LITERATURE. — Calloni (1889); Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies, shrublands, broadleaved woods, riparian habitats, rocky lands, wetlands.

#### *Pardosa bifasciata* (C. L. Koch, 1834)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies, shrublands.

NOTES. — New record for the study area.

#### *Pardosa blanda* (C. L. Koch, 1833)

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 3♂, 1♀; nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 3♂; along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 5♂; same locality, 27.VIII-23.IX.2009 (pitfall traps), 3♀; same locality, 29.VI.2009, 3♂; Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 3♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♂; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 2♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 8♂, 20♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂; Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 30.VI.2010, 1♂; Vallone degli Alberghi, Gias Piamian, stream gravel, 1470 m, 1.VII.2010, 1♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 3♂, 3♀.

LITERATURE. — Isايا *et al.* (2007); Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, riparian habitats, rocky lands, wetlands, not specified.

*Pardosa cribrata* Simon, 1876

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures.

*Pardosa ferruginea* (L. Koch, 1870)

LITERATURE. — Calloni (1889).

CHOROTYPE. — SIE.

MACROHABITAT. — not specified.

*Pardosa* sp. gr. *lugubris* (Walckenaer, 1802)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1♀ (MRSN); Torrente Bousset, Trinità di Entracque, open area close to a spring with *Petasites* and *Salix*, 1000-1200 m, 29.VI-9.VIII.2007, 2♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: pathway to Pian del Valasco, beech forest, 1500-2000 m, 30.VI.2009, 1♀ (MRSN); same locality, 29.VI.2009, 3♀ (MRSN); Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 8♀ (MRSN); same locality, 11.VIII.2011, 2♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN); same locality, 9.IX.2011, 3♀ (MRSN); same locality, 1500 m, 11.VIII.2011, 3♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN); same locality, 1550 m, 9.IX.2011, 3♀ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN); same locality, 1550 m, 13.X.2011, 2♀; same locality, 1600 m, 9.IX.2011, 2♀ (MRSN); same locality, 11.VIII.2011, 12♀ (MRSN); same locality, 8♀ (MRSN); Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 2♀.

MACROHABITAT. — Alpine pastures, broadleaved woods, shrublands, riparian habitats, rocky lands.

NOTES. — The identification of specimens of the *Pardosa lugubris* (Walckenaer, 1802) group based on morphological characters is difficult. In particular, females can only be identified when collected in association with males. Nevertheless, the species of this group are reproductively isolated, so the only reliable means of separating them at present is their courtship behaviour (Nentwig *et al.* 2014). See also notes about *Pardosa lugubris* and *Pardosa saltans* Töpfer-Hofmann, 2000.

*Pardosa lugubris* (Walckenaer, 1802)

NEW DATA. — Vernante: Palanfrè, Vallone Garbella, wood margin (broadleaved forest), 1379 m, 16.VI.2007, 4♂.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods.

NOTES. — Identification based on ethological evidence according to Töpfer-Hofmann *et al.* (2000).

*Pardosa mixta* (Kulczynski, 1887)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♂, 2♀; Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Vernante: Palanfrè, beech forest, 1600 m, 11.VIII.2011, 1♀ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 20♂, 20♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

LITERATURE. — Chiarle *et al.* (2013); Paschetta *et al.* (2013).

CHOROTYPE. — TUE.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods.

*Pardosa nigra* (C. L. Koch, 1834)

NEW DATA. — Valdieri: Lago Sottano della Sella, Alpine grassland, close to lake shore, 1882 m, 17.VIII.2010, 1♀; nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 1♂; along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♂, 1♀; Vallone Assedras, Rifugio Remondino, Alpine scree, 2400 m, 6.VIII.2009, 1♂ (MRSN).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies, broadleaved woods, rocky lands.

LITERATURE. — Isايا *et al.* (2007).

*Pardosa oreophila* Simon, 1937

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1.VIII-31.VIII.2011 (pitfall traps), 1♂; Vernante: Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine pastures, Alpine prairies.

NOTES. — New record for the study area.

*Pardosa paludicola* (Clerck, 1757)

LITERATURE. — Calloni (1889).

CHOROTYPE. — PAL.

MACROHABITAT. — not specified.

*Pardosa palustris* (Linnaeus, 1758)

LITERATURE. — Calloni (1889).

CHOROTYPE. — OLA.

MACROHABITAT. — not specified.

*Pardosa riparia* (C. L. Koch, 1833)

NEW DATA. — Entracque: Casermette, grassland, 886 m, 9.VI.2011, 1♂ (collected within the PIT Summer School 2011); Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 2♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: pathway to lago Soprano della Sella, Alpine prairies with rocky debris, 1900-2300 m, 30.VI.2011, 1♀ (MRSN); Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 2♀ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN); same locality, 1500 m, 9.IX.2011, 1♀ (MRSN); Palanfrè, same locality, 11.VIII.2011, 4♀ (MRSN); same locality, 1550 m, 9.IX.2011, 2♀ (MRSN); same locality, 11.VIII.2011, 2♀ (MRSN); same locality, 1550 m, 13.X.2011, 3♀ (MRSN); same locality, 1600 m, 11.VIII.2011, 4♀ (MRSN); same locality, 13.X.2011, 2♀ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 10♂, 10♀, leg. B. Rizzoli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♀; Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 14.VI.2010, 2♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 3♂, 2♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, riparian habitats.

*Pardosa saltans* Töpfer-Hofmann, 2000

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 19.V.2011, 1♂ (MRSN); same locality, 1379 m, 29.IV.2009, 4♂, 1♀; Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 1♂, 1♀; Vernante: Palanfrè, Vallone Garbella, unpaved road among Alpine pasture, 1379 m, 16.VI.2007, 6♂; Palanfrè, Vallone Garbella, wood margin (broadleaved forest), 1379 m, 16.VI.2007, 2♂, 2♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine grasslands, broadleaved woods, shrublands.

NOTES. — Identification based on ethological evidence according to Töpfer-Hofmann *et al.* (2000). New record for the study area.

*Pardosa* sp.

NEW DATA. — Valdieri: nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 2♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 5♂, 17♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; surroundings of Lago del Claus, Alpine scree, 2350 m, 8.VII.2011, 1 (MRSN); Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, rocky lands.

NOTES. — According to the shape of the palps and epygines these individuals clearly belong to the monticola-group, but identification at species level remains doubtful.

*Piratula knorri* (Scopoli, 1763)

NEW DATA. — Entracque: Gorge della Reina, stream banks, 900-1200 m, 27.V.2011, 2♀; Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012).

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands, riparian habitats.

NOTES. — New record for the study area.

*Trochosa terricola* Thorell, 1856

NEW DATA. — Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀ (MRSN); same locality, 1500 m, 9.IX.2011, 1♀ (MRSN); same locality, 13.X.2011, 2♂ (MRSN); same locality, 9.IX.2011, 2♂ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN).

LITERATURE. — Calloni (1889); Lambiase *et al.* (2007).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies, broadleaved woods, not specified.

*Vesubia jugorum* (Simon, 1881)  
(Fig. 14)

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine scree, 2300 m, 27.VI.2011, 1♀; slopes of Monte Bourel, rocky debris, 2360 m, 2.VIII.2011, 2♂; surroundings of Lago Sottano di Valscura, Alpine scree, 2300 m, 8.VII.2011, 1♀; Vallone Assedras, Rifugio Remondino, Alpine scree, 2400 m, 6.VIII.2009, 2♂, 1♀; Vernante: Monte Chamoussier, Vallone degli Alberghi, high Alpine prairies with scattered rocks, 2478 m, 1.VII.2010, 1♀.

LITERATURE. — Tongiorgi (1969); Maurer & Thaler (1988); Isaia *et al.* (2007).

CHOROTYPE. — ALSW.

MACROHABITAT. — Rocky lands.

*Xerolycosa miniata* (C. L. Koch, 1834)

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII.2009, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies.

NOTES. — New record for the study area.

*Xerolycosa nemoralis* (Westring, 1861)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11.VII-27.VIII.2009 (pitfall traps), 2♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♂, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vallone della Meris, Gias Prato, Alpine prairies with rocky debris, 1600 m, 27.VI.2011, 2♀; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♂, 1♀; Vernante: nearby Palanfrè, grassland, 1400 m, 21.VII.2011, 8♂, 4♀ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1♂, 1♀ (beating tray); Vallone degli Alberghi, Gias Piamian, stream gravel, 1470 m, 1.VII.2010, 1♂; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

LITERATURE. — Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, shrublands, riparian habitats.

Family PISAURIDAE Simon, 1890

*Pisaura mirabilis* (Clerck, 1757)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 3♀ (collected within the PIT Summer School 2012); Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀, 1♂ (MRSN).

LITERATURE. — Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — ASE.

MACROHABITAT. — Alpine grasslands, Alpine pastures, broadleaved woods, shrublands.

Family OXYOPIDAE Thorell, 1870

*Oxyopes lineatus* Latreille, 1806

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 5.X.2011, 1♀, leg. F. La Pietra & L. Picciau; same locality, 29.VI.2011, 1♂.

CHOROTYPE. — TUE.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

Family ZORIDAE F. O. Pickard-Cambridge, 1893

*Zora nemoralis* (Blackwall, 1861)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 9.VIII.2007, 2♂, leg.

K. Wolf-Schwenninger & H. Schwenninger; Vernante: Palanfrè, beech forest, 1450 m, 11.VIII.2011, 1♂ (MRSN).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, riparian habitats.

NOTES. — New record for the study area.

*Zora pardalis* Simon, 1878

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

CHOROTYPE. — TUE.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Zora spinimana* (Sundevall, 1833)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀; Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♂ (collected within the PIT Summer School 2012); Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 9.VIII.2007, 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands, riparian habitats.

NOTES. — New record for the study area.

Family AGELENIDAE C. L. Koch, 1837

*Aterigena ligurica* (Simon, 1916)

NEW DATA. — Valdieri: Terme di Valdieri, road from the parking to Cappella di S. Giovanni, rocky slope, 1368 m, 30.VI.2009, 1♀ (MRSN); Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 2♂, 1♀; same locality, 1500 m, 9.IX.2011, 5♂, 2♀ (MRSN); same locality, 11.VIII.2011, 1♂ (MRSN); same locality, 13.X.2011, 3♀ (MRSN); same locality, 9.IX.2011, 2♀ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN).

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — ALAP.

MACROHABITAT. — Broadleaved woods, rocky lands.

*Coelotes osellai* De Blauwe, 1973  
(Fig. 15)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 11♂, 2♀; same locality, 27.VIII-23.IX.2009 (pitfall traps), 4♂, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 13♂, 1♀ (MRSN); same locality, 11.VIII.2011, 7♂ (MRSN); same locality, 1500 m, 9.IX.2011, 43♂, 7♀ (MRSN); same locality, 1500 m, 11.VIII.2011, 18♂, 1♀ (MRSN); same locality, 13.X.2011, 1♂, 2♀ (MRSN); same locality,





Fig. 14. — *Vesubia jugorum* (Simon, 1881) (Lycosidae), Vernante, Vallone degli Alberghi. Photograph: Francesco Tomasinelli /Parco Naturale Alpi Marittime (2009).

9.IX.2011, 70♂, 3♀ (MRSN); same locality, 1550 m, 11.VIII.2011, 23♂, 1♀ (MRSN); same locality, 13.X.2011, 1♀ (MRSN); same locality, 1600 m, 9.IX.2011, 51♂, 4♀ (MRSN); same locality, 11.VIII.2011, 17♂ (MRSN); same locality, 13.X.2011, 16♂, 2♀ (MRSN); same locality, 29.VI.2007, 9♂; Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 20♂, leg. B. Rizzioli

LITERATURE. — De Blauwe (1973); Lambiase *et al.* (2007).

CHOROTYPE. — ALAP.

MACROHABITAT. — Alpine prairies, broadleaved woods.

#### *Coelotes pabulator* Simon, 1875

LITERATURE. — De Blauwe (1973); Isaia *et al.* (2007).

CHOROTYPE. — ALPS.

MACROHABITAT. — Alpine prairies, rocky lands.

#### *Coelotes pickardi pastor* Simon, 1875

LITERATURE. — Calloni (1889); Isaia *et al.* (2007).

CHOROTYPE. — ALPS.

MACROHABITAT. — Rocky lands.

#### *Coelotes poweri* Simon, 1875

NEW DATA. — Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 10.IX.2008, 1♀; same locality, 22.VI-19.VII.2009, 1♂.

LITERATURE. — Isaia *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — ALSW.

MACROHABITAT. — Alpine pastures, broadleaved woods.

#### *Histopona leonardoii*

Bolzern, Pantini & Isaia, 2013

NEW DATA. — Aisone: Grange Pinet, beech forest, 1478 m, 11.IX.2011, 1♀; Entracque: Entracque, 894 m, 4.X.2013 – 2.XI.2013 (pitfall traps), 1♂, 3♀; leg. L. Latella & A. Latella; Valdieri: pathway to Pian del Valasco, beech forest, 1500-2000 m, 30.VI.2009, 1♀ (MRSN); southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 3♂; Vallone della Meris, deciduous forest with Fraxinus and Acer, 1200-1800 m, 1.VIII.2011, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 43♂, 2♀ (MRSN); same locality, 11.VIII.2011, 18♂, 1♀ (MRSN same locality, 13.X.2011, 3♂, 4♀ (MRSN); same locality, 1500 m, 9.IX.2011, 38♂, 4♀ (MRSN); same locality, 11.VIII.2011, 24♂ (MRSN); same locality, 13.X.2011, 14♂, 1♀ (MRSN); same locality, 1550 m, 9.IX.2011, 67♂ (MRSN); same locality, 11.VIII.2011, 59♂, 2♀ (MRSN);

same locality, 13.X.2011, 8♂, 2♀ (MRSN); same locality, 1600 m, 9.IX.2011, 8♂, 1♀ (MRSN); same locality, 11.VIII.2011, 15♂ (MRSN); same locality, 13.X.2011, 17♂, 1♀ (MRSN).

LITERATURE. — Lambiase *et al.* (2007); Bolzern *et al.* (2013).

CHOROTYPE. — AWNA.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, riparian habitats.

### *Histopona torpida* (C. L. Koch, 1837)

LITERATURE. — Calloni (1889).

CHOROTYPE. — EUR.

MACROHABITAT. — not specified.

### *Tegenaria agrestis* (Walckenaer, 1802)

NEW DATA. — Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 3♂, 2♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010, 1♂.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

### *Tegenaria fuesslini* Pavesi, 1873

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI.2009, 2♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vallone della Meris, deciduous forest with *Fraxinus* and *Acer*, 1200-1800 m, 1.VIII.2011, 1♂; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♂ (MRSN); same locality, 1500 m, 9.IX.2011, 1♀; same locality, 13.X.2011, 2♂, 1♀ (MRSN); same locality, 1600 m, 13.X.2011, 1♂; Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 3♂, leg. B. Rizzioli; same locality, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

LITERATURE. — Brignoli (1977).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, shrublands.

### *Tegenaria parietina* (Fourcroy, 1785)

LITERATURE. — Brignoli (1977).

CHOROTYPE. — SCO.

MACROHABITAT. — Alpine grasslands.

### *Tegenaria silvestris* (L. Koch, 1872)

NEW DATA. — Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 1♀; Valdieri: nearby Rifugio Livio Bianco, Alpine prairies with rocky debris, 1900 m, 30.X.2011, 1♂; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♀ (MRSN); same locality, 1500 m, 9.IX.2011, 1♀ (MRSN); same locality, 11.VIII.2011, 1♀ (MRSN); same locality, 13.X.2011, 2♂ (MRSN); Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 2♀ (beating tray); same locality, 29.VI.2007, 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♂, leg. B. Rizzioli; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

LITERATURE. — Brignoli (1975, 1977, 1985); Arnò & Lana (2005); Isايا *et al.* (2011); Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, caves.

### *Textrix denticulata* (Olivier, 1789)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀; Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂, 1♀ (collected within the PIT Summer School 2011); Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007 (pitfall traps), 2♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: Natural Reserve of Rocca San Giovanni-Saben, forest edge with scattered rocks, 1000-1500 m, 22.IX.2009, 2♀ (MRSN).

LITERATURE. — De Blauwe 1973.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine grasslands, shrublands, riparian habitats, not specified.

### Family CYBAEIDAE Banks, 1892

#### *Cybaeus intermedius* Maurer, 1992

LITERATURE. — Maurer (1992), Isايا & Chiarle (2015).

CHOROTYPE. — ALAP.

MACROHABITAT. — Broadleaved woods.

#### *Cybaeus vignai* Brignoli, 1977

LITERATURE. — Isايا & Chiarle (2015).

CHOROTYPE. — ALSW.

MACROHABITAT. — Broadleaved woods, riparian habitats.



FIG. 15. — *Coelotes osellai* De Blauwe, 1973 (Agelenidae), Valdieri, Pian del Valasco. Photograph: Alberto Chiarle (2013).

Family HAHNIIDAE Bertkau, 1878

*Antistea elegans* (Blackwall, 1841)

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007 (pitfall traps), 1♂, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Riparian habitats, not specified.

NOTES. — New record for the study area.

*Cryphoeca silvicola* (C. L. Koch, 1834)

NEW DATA. — Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 2.VII.2010, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

Family DICTYNIDAE O. P.-Cambridge, 1871

*Argenna patula* (Simon, 1874)

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for the study area.

*Cicurina cicur* (Fabricius, 1793)

LITERATURE. — Arnò & Lana (2005).

CHOROTYPE. — PAL.

MACROHABITAT. — caves.

*Dictyna arundinacea* (Linnaeus, 1758)

NEW DATA. — Entracque: Tetti Violin, hazelnut, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011).

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Dictyna latens* (Fabricius, 1775)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♂, 2♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Mastigusa arietina* (Thorell, 1871)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1.VIII-31.VIII.2011 (pitfall traps), 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

Family AMAUROBIIDAE Thorell, 1870

*Amaurobius fenestralis* (Ström, 1768)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♂; Valdieri: Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 1♂ (MRSN); same locality, 1500 m, 9.IX.2011, 1♂ (MRSN); same locality, 1550 m, 9.IX.2011, 1♀ (MRSN); same locality, 10.IX.2008, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures, broadleaved woods, riparian habitats.

*Amaurobius jugorum* L. Koch, 1868

NEW DATA. — Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀.

LITERATURE. — De Blauwe (1973).

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine grasslands, rocky lands.

*Amaurobius scopolii* Thorell, 1871

NEW DATA. — Aisone: Grange Pinet, beech forest, 1478 m, 11.IX.2011, 1♀; Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 17.VIII.2010, 2♂, 1♀; Valdieri: Desertetto, grass-

land, 1088-1885 m, 14.IX.2011, 1♀ (MRSN); pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII-23.IX.2009 (pitfall traps), 1♂, 1♀; same locality, 29.VI.2009, 1♀; pathway to Pian del Valasco, beech forest, 1500-2000 m, 30.VI.2009, 1♀ (MRSN); Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 1♀, 6♂; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; same locality, 29.IV.2009, 2♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 1♂, 2♀; Vernante: Palanfrè, beech forest, 1450 m, 9.IX.2011, 4♂ (MRSN); same locality, 1500 m, 9.IX.2011, 5♂; same locality, 13.X.2011, 5♂ (MRSN); same locality, 1550 m, 9.IX.2011, 1♂ (MRSN); same locality, 1600 m, 13.X.2011, 6♂ (MRSN); same locality, 1550 m, 10.IX.2008, 1♂, 1♀; Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI-19.VII.2009 (pitfall traps), 1♀.

LITERATURE. — Pesarini (1991); Arnò & Lana (2005); Paschetta *et al.* (2013).

CHOROTYPE. — ALAP.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, shrublands, caves, larch woods, riparian habitats.

Family TITANOECIDAE Lehtinen, 1967

*Titanoeca quadriguttata* (Hahn, 1833)

NEW DATA. — Valdieri: Vallone della Meris, Gias Prato, Alpine prairies with rocky debris, 1600 m, 27.VI.2011, 2♂.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

Family MITURGIDAE Simon, 1885

*Cheiracanthium elegans* Thorell, 1875

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — ASE.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Cheiracanthium erraticum* (Walckenaer, 1802)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 9.VI.2011, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

Family ANYPHAENIDAE Bertkau, 1878

*Anyphaena accentuata* (Walckenaer, 1802)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 27.X.2010, 3; Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♂; Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♂, 1♀ (collected within the PIT Summer School 2011); Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 2♀.

CHOROTYPE. — TUE.

MACROHABITAT. — Shrublands, larch woods, riparian habitats.

NOTES. — New record for the study area.

Family LIOCRANIDAE Simon, 1897

*Agroeca cuprea* Menge, 1873

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, forest edge with scattered rocks, 1000-1500 m, 22.IX.2009, 1♀ (MRSN); southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♀; Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂ (MRSN); Palanfrè, beech forest, 1600 m, 13.X.2011, 1♂.

CHOROTYPE. — ASE.

MACROHABITAT. — Alpine prairies, broadleaved woods, shrublands.

NOTES. — New record for the study area.

*Agroeca proxima* (O. P.-Cambridge, 1870)

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures.

*Apostenus fuscus* Westring, 1851

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 27.X.2010, 1♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Larch woods.

NOTES. — New record for Piemonte.

*Liocranum rupicola* (Walckenaer, 1830)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♂; Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Shrublands, caves.

LITERATURE. — Arnò & Lana (2005).

Family CLUBIONIDAE Wagner, 1887

*Clubiona caerulescens* L. Koch, 1867

NEW DATA. — Entracque: Gorge della Reina, sparse wood with bushes and rock-debris, 900-1200 m, 22.V.2010, 3♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrublands.

NOTES. — New record for Piemonte.

*Clubiona comta* C. L. Koch, 1839

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — EUR.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Clubiona frutetorum* L. Koch, 1867

NEW DATA. — Valdieri: Vallone della Meris, Gias Prato, Alpine prairies with rocky debris, 1600 m, 27.VI.2011, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

*Clubiona neglecta* O. P.-Cambridge 1862

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII.2009, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for the study area.

*Clubiona pallidula* (Clerck, 1757)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♀ (MRSN); Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Broadleaved woods, shrublands, riparian habitats.

NOTES. — New record for the study area.

*Clubiona terrestris* Westring, 1851

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 3♀.

LITERATURE. — Arnò & Lana (2005).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies, caves.

Family CORINNIDAE Karsch, 1880

*Phrurolithus festivus* (C. L. Koch, 1835)

NEW DATA. — Entracque: Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀; same locality, 29.VI.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Palanfrè, beech forest, 1450 m, 11.VIII.2011, 3♀ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 20♂, 18♀, leg. B. Rizzioli; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, shrublands, riparian habitats.

NOTES. — New record for the study area.

*Phrurolithus minimus* C. L. Koch, 1839

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods, shrublands, riparian habitats.

NOTES. — New record for the study area.

Family ZODARIIDAE Thorell, 1881

*Zodarion italicum* (Canestrini, 1868)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI-23.VI.2009 (pitfall traps), 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Shrubbylands.

NOTES. — New record for the study area.

*Zodarion rubidum* Simon, 1914

NEW DATA. — Entracque: Trinità di Entracque, beech forest, 1000-1200 m, 25.V.2011, 1♂.

CHOROTYPE. — EUR.

MACROHABITAT. — Broadleaved woods.

NOTES. — New record for the study area.

Family GNAPHOSIDAE Pocock, 1898

*Callilepis nocturna* (Linnaeus, 1758)

NEW DATA. — Valdieri: pathway to Pian del Valasco, Alpine scree, 1300-1764 m, 29.VI.2009, 1♀ (MRSN); pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 2♂, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, riparian habitats, rocky lands.

*Drassodes cupreus* (Blackwall, 1834)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, forest edge with scattered rocks, 1000-1500 m, 22.IX.2009, 1♀ (MRSN). Vernante: surroundings of Gias Vilazzo, Vallone degli Alberghi, Alpine prairies with rocky debris, 1850 m, 26.VII.2011, 2♀ (MRSN).

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies, shrublands.

*Drassodes lapidosus* (Walckenaer, 1802)

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♀; Limone Piemonte: Bec Baral, Alpine prairies with rocky debris, 2130 m, 23.V.1999, 1♀; Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VII.2009, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 1♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 2♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009, 1♂; Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1300 m, 1.VIII.2011, 1♀; Vernante: Monte Chamoussier, Vallone degli Alberghi, high Alpine prairies with scattered rocks, 2478 m, 1.VII.2010, 1♀; Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 4♂, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂; Vallone degli Alberghi, Gias Piamian, stream gravel, 1470 m, 1.VII.2010, 1♀.

LITERATURE. — Calloni (1889).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, shrublands, riparian habitats, rocky lands.

*Drassodes pubescens* (Thorell, 1856)

NEW DATA. — Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 2♂, 1♀, leg. B. Rizzioli.

LITERATURE. — Isaia *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, rocky lands.

*Drassodes thaleri* Hervé & Rollard, 2009  
(Fig. 16)

NEW DATA. — Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♀; surroundings of Lago Inferiore di Valscura, Alpine scree, 2300 m, 8.VII.2011, 1♂.

CHOROTYPE. — ALSW.

MACROHABITAT. — Alpine prairies, rocky lands.

NOTES. — New record for Italy.

*Drassodex hypocrita* (Simon, 1878)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies, shrublands.

*Drassodex simoni* Hervé, Roberts & Murphy, 2009

NEW DATA. — Entracque: Vallone del Sabbione, pathway to Colle del Sabbione, on rocky slopes, 2000 m, 25.VII.2009, 1♀ (MRSN), leg. F. La Pietra & S. Birindelli; Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 2♀.

CHOROTYPE. — ALPW.

MACROHABITAT. — Rocky lands.

NOTES. — New record for Italy.

*Drassodex validior* (Simon, 1914)

NEW DATA. — Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂.

LITERATURE. — Calloni (1889).

CHOROTYPE. — ALSW.

MACROHABITAT. — Broadleaved woods.

NOTES. — According to Hervé *et al.* (2009) specimens referred as *D. hispanus* in the French Alps belong instead to *D. validior*.

*Drassyllus praeficus* (L. Koch, 1866)

NEW DATA. — Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 10♂, 10♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 2♀; Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for the study area.

*Drassyllus pusillus* (C. L. Koch, 1833)

NEW DATA. — Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 26♀; same locality, 27.VIII-23.IX.2009 (pitfall traps), 2♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 10♂, 10♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 3♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures, Alpine prairies, rocky lands.

*Drassyllus villicus* (Thorell, 1875)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for the study area.

*Echemus angustifrons* (Westring, 1861)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — SIE.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Gnaphosa badia* (L. Koch, 1866)

NEW DATA. — Valdieri: nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 1♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀; Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♀.

LITERATURE. — Isايا *et al.* (2007).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine prairies, rocky lands, wetlands.

*Gnaphosa lugubris* (C. L. Koch, 1839)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀.

LITERATURE. — Paschetta *et al.* (2013)

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies.

*Haplodrassus signifer* (C. L. Koch, 1839)

NEW DATA. — Valdieri: Lago Sottano della Sella, Alpine grassland, close to lake shore, 1882 m, 17.VIII.2010, 1♀; Rifugio Questa-Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 5♂, 5♀, leg. B. Rizzoli

LITERATURE. — Calloni (1889); Paschetta *et al.* (2013).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures, Alpine prairies, rocky lands, not specified.

*Micaria fulgens* (Walckenaer, 1802)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀; Vernante: Palanfrè, beech forest, 1600 m, 11.VIII.2011, 2♀ (MRSN).

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies, broadleaved woods.

*Micaria pulicaria* (Sundevall, 1831)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vernante: Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures, Alpine prairies.

*Micaria rossica* Thorell, 1875

NEW DATA. — Valdieri: nearby Rifugio Livio Bianco, peatbog, 1900 m, 27.VI.2011, 1♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 1♀.

LITERATURE. — Calloni (1889); Lambiasi *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures, Alpine prairies, wetlands.

*Micaria silesiaca* L. Koch, 1875

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 3♂, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 3♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Scotophaeus scutulatus* (L. Koch, 1866)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀.

CHOROTYPE. — SIE.

MACROHABITAT. — not specified.

NOTES. — New record for the study area.

*Zelotes aeneus* (Simon, 1878)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures, Alpine prairies, shrublands.

*Zelotes apricorum* (L. Koch, 1876)

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures.





FIG. 16. — *Drassodes thaleri* Hervé & Rollard, 2009 (Gnaphosidae), Valdieri, Monte Matto. Photograph: Alberto Chiarle (2009).

*Zelotes devotus* Grimm, 1982

LITERATURE. — Isaia *et al.* (2007).

CHOROTYPE. — ALPS.

MACROHABITAT. — Rocky lands.

*Zelotes electus* (C. L. Koch, 1839)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011, 1♂; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♀, leg. B. Rizzoli.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies.

NOTES. — New record for the study area.

*Zelotes gallicus* Simon, 1914

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank with Petasites in deciduous forest (*Fraxinus*), 1000-1200 m, 28.VI-9.VIII.2007 (pitfall traps), 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: pathway to Pian del Valasco,

beech forest near stream, 1500-2000 m, 11.VII-27.VIII.2009 (pitfall traps), 3♀; same locality, 29.VI.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂ (MRSN).

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine prairies, broadleaved woods, riparian habitats.

NOTES. — New record for the study area.

*Zelotes latreillei* (Simon, 1878)

NEW DATA. — Entracque: Trinità di Entracque, Vallone Bousset, beech forest, 1000-1200 m, 15.VI.2009, 1♀ (beating tray); Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♂; Vernante: Palanfrè, beech forest, 1500 m, 9.IX.2011, 1♂ (MRSN); same locality, 11.VIII.2011, 1♂ (MRSN); same locality, 1550 m, 9.IX.2011, 1♂, 1♀ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 20♂, 2♀, leg. B. Rizzoli; same locality, 30.VII-30.VIII.2010 (pitfall traps), 2♂.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, broadleaved woods.

NOTES. — New record for the study area.

*Zelotes oblongus* (C. L. Koch, 1833)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀; same locality, 29.IV.2009, 1♂.

CHOROTYPE. — SEU.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Zelotes petrensis* (C. L. Koch, 1839)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 1♀ (collected within the PIT Summer School 2012); Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♀ (MRSN); same locality, 22.IX.2009, 1♀ (MRSN); Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♂, 2♀, leg. B. Rizzioli; Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 2♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies, shrublands.

*Zelotes similis* (Kulczynski, 1887)

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 3♂, 5♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 2♂, 1♀; Rifugio Questa-Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 4♂; Vernante: Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♂; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine pastures, Alpine prairies, rocky lands.

*Zelotes subterraneus* (C. L. Koch, 1833)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Palanfrè, beech forest, 1450 m, 11.VIII.2011, 1♀ (MRSN); Palanfrè, beech forest, 1600 m, 11.VIII.2011, 2♂ (MRSN); surroundings of Gias Vilazzo, Vallone degli Alberghi, Alpine prairies with rocky debris, 1850 m, 26.VII.2011, 1♀ (MRSN).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies, broadleaved woods.

NOTES. — New record for the study area.

*Zelotes talpinus* (L. Koch, 1872)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 2♂; Vernante: Palanfrè, Pascariund, Alpine pastures, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 4♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine pastures, Alpine prairies.

Family PHILODROMIDAE Thorell, 1870

*Philodromus aureolus* (Clerck, 1757)

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 15.V.2012, 1♀ (collected within the PIT Summer School 2011); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.VI.2011, 1♂ (MRSN); Vernante: Palanfrè, Gias del Chiot, beech forest, 1550 m, 22.VI.2009, 1♂, 1♀ (beating tray).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, shrublands, riparian habitats.

NOTES. — New record for the study area.

*Philodromus cespitum* (Walckenaer, 1802)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Philodromus emarginatus* (Schrank, 1803)

NEW DATA. — Valdieri: Pian del Valasco, Alpine grassland with peatbogs, 1764 m, 7.VII.2011, 3♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Philodromus praedatus* O. P.-Cambridge, 1871

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 1♂, 1♀, leg. K. Wolf-Schwenninger & H. Schwenninger.

CHOROTYPE. — SIE.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

*Philodromus rufus* Walckenaer, 1826

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 19.V.2011, 1♀; same locality, 29.VI.2011, 1♀ (MRSN).

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Thanatus formicinus* (Clerck, 1757)

NEW DATA. — Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀ (MRSN); Vernante: nearby Palanfrè, grassland, 1400 m, 21.VII.2011, 1♀ (MRSN); Monte Chamoussier, Vallone degli Alberghi, high Alpine prairies with scattered rocks, 2478 m, 1.VII.2010, 1♂; Palanfrè, beech forest, 1500 m, 13.X.2011, 1♂.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, broadleaved woods, rocky lands.

NOTES. — New record for the study area.

*Thanatus striatus* C. L. Koch, 1845

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 29.VI.2009, 1♂; Vernante: Vallone degli Alberghi, Gias Piamian, stream gravel, 1470 m, 1.VII.2010, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine prairies, riparian habitats.

NOTES. — New record for Piemonte.

## Family THOMISIDAE Sundevall, 1833

*Cozyptila blackwalli* (Simon, 1875)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀; Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009 (pitfall traps), 1♂.

CHOROTYPE. — SIE.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Diaea dorsata* (Fabricius, 1777)

NEW DATA. — Valdieri: pathway to Pian del Valasco, Alpine pasture, 1300-1764 m, 7.VII.2011, 1♀ (MRSN).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for the study area.

*Heriaeus hirtus* (Latreille, 1819)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 5.X.2011, 1♀ (MRSN), leg. F. La Pietra & L. Picciau; same locality, 18.VI.2009, 1♂; same locality, 29.VI.2011, 3♂ (MRSN).

CHOROTYPE. — EUR.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Misumena vatia* (Clerck, 1757)  
(Fig. 17)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 2♀, 1 (MRSN); same locality, 22.V.2010, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands, not specified.

NOTES. — New record for the study area

*Ozyptila atomaria* (Panzer, 1801)

LITERATURE. — Paschetta *et al.* (2013)

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine pastures.

*Ozyptila trux* (Blackwall, 1846)

NEW DATA. — Entracque: Torrente Bousset, Trinità di Entracque, stream bank, among gravels, 1000-1200 m, 29.VI.2007, 2♀, leg. K. Wolf-Schwenninger & H. Schwenninger; Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 2♂, 1♀; Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 2♂.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies, riparian habitats.

NOTES. — New record for the study area.

*Synaema globosum* (Fabricius, 1775)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1♀; Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, shrublands.

NOTES. — New record for the study area.

*Xysticus audax* (Schränk, 1803)

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: nearby Rifugio Livio Bianco, lake shore, among mosses, 1900 m, 27.VI.2011, 2♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 1♀; Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1300 m, 1.VIII.2011, 1♂; pathway to Rifugio Questa, Alpine prairies with rocky debris, 1200-2300 m, 7.VII.2011, 1♂; Vernante: Monte Chamoussier, Vallone degli Alberghi, high Alpine prairies with scattered rocks, 2478 m, 1.VII.2010, 1♂.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies, rocky lands, wetlands.

NOTES. — New record for the study area.

*Xysticus cristatus* (Clerck, 1757)

NEW DATA. — Entracque: Vallone del Sabbione, pathway to Colle del Sabbione, on rocky slopes, 2000 m, 25.VII.2009, 1♀, leg. S. Birindelli & F. La Pietra; Valdieri: pathway to Pian del Valasco, beech forest, 1500-2000 m, 19.V.2011, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, rocky lands.

NOTES. — New record for the study area.

*Xysticus desidiosus* Simon, 1875

NEW DATA. — Valdieri: nearby Lago Soprano della Sella, Alpine prairies with rocky debris, 2300 m, 1.VIII.2011, 1♀; Pian della Casa, Alpine grassland with peatbogs, 1760 m, 29.VI-9.VIII.2007 (pitfall traps), 1♂, leg. K. Wolf-Schwenninger & H. Schwenninger; Rifugio Questa-Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♀; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂; Vernante: Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine pastures, Alpine prairies, rocky lands.

*Xysticus erraticus* (Blackwall, 1834)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009 (pitfall traps), 1♀; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 2♂, 5♀, leg. B. Rizzioli.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures, broadleaved woods, shrublands.

LITERATURE. — Lambiase *et al.* (2007).

*Xysticus gallicus* Simon, 1875  
(Fig 18)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♂; Valdieri: Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 1♀; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1♀, leg. B. Rizzioli; Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 30.VI.2010, 1♂.

LITERATURE. — Pesarini (2000); Lambiase *et al.* (2007); Paschetta *et al.* (2013).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods.

*Xysticus ibex* Simon, 1875

CHOROTYPE. — CEU.

LITERATURE. — Lambiase *et al.* (2007).

MACROHABITAT. — Alpine prairies.

*Xysticus kochi* Thorell, 1872

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11-12.VII.2009 (pitfall traps), 1♂; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 5.X.2011, 1♀ (MRSN), leg. La Pietra F & L. Picciau

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine prairies, broadleaved woods, shrublands.

*Xysticus lanio* C. L. Koch, 1835

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 5♂, 2♀; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for the study area.

*Xysticus ninnii* Thorell, 1872

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 4.VII.2012, 4♂ (collected within the PIT Summer School 2012); Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 5.X.2011, 2♂, 4♀ (MRSN), leg. F. La Pietra & L. Picciau; same locality, 29.VI.2011, 2♂ (MRSN), leg. F. La Pietra & L. Picciau; Vernante: Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 2♂, 1♀, leg. B. Rizzioli.



FIG. 17. — *Misumena vatia* (Clerck, 1757) (Thomisidae), Entracque, Gorge della Reina. Photograph: Alberto Chiarle (2009).

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine pastures, Alpine prairies, shrublands.

*Xysticus robustus* (Hahn, 1832)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 29.IV.2009, 1 ♀; Vernante: nearby of Palanfrè, grassland, 1400 m, 21.VII.2011, 1 ♂ (MRSN); Palanfrè, Gias della Luia, Alpine pasture, 1600 m, 3.VII.2010, 1 ♂, leg. B. Rizzioli.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine grasslands, Alpine pastures, shrublands.

NOTES. — New record for the study area.

*Xysticus ulmi* (Hahn, 1831)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 19.V.2011, 2 ♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Shrubbylands.

NOTES. — New record for the study area.

Family SALTICIDAE Blackwall, 1841

*Aelurillus v-insignitus* (Clerck, 1757)  
(Fig. 19)

NEW DATA. — Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 1 ♂; Valdieri: pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 30.VI.2011, 1 ♀ (MRSN); Pian del Valasco, Alpine grassland with peatbogs, 1764 m, 9.VII.2011, 1 ♂, 1 ♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 19.V.2011, 1 ♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies, shrublands.

*Dendryphantès rudis* (Sundevall, 1833)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1 ♀.

CHOROTYPE. — SIE.

MACROHABITAT. — Shrubbylands.

NOTES. — New record for Piemonte.



FIG. 18. — *Xysticus gallicus* Simon, 1875 (Thomisidae), Valdieri, Vallone della Meris. Photograph: Mauro Paschetta (2012).

*Euophrys frontalis* (Walckenaer, 1802)

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 22.IX.2009, 1♂; southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♀; surroundings of Lago Sottano di Valscura, Alpine scree, 2300 m, 8.VII.2011, 1♀ (MRSN).

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies, shrublands, rocky lands.

*Evarcha falcata* (Clerck, 1757)  
(Fig. 20)

NEW DATA. — Entracque: Gorge della Reina, shrubland with *Juniperus phoenicea*, 900-1200 m, 16.IX.2011, 1♀.

LITERATURE. — Lambiase *et al.* (2007).

CHOROTYPE. — PAL.

MACROHABITAT. — Broadleaved woods, shrublands.

*Evarcha laetabunda* (C. L. Koch, 1846)

NEW DATA. — Valdieri: Desertetto, grassland, 1088-1885 m, 14.IX.2011, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for the study area.

*Heliophanus aeneus* (Hahn, 1832)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♂; Vallone del Bousset, Torrente Bousset, beech forest and nearby habitats, 1000-1300 m, 21.IX.2008, 1♀. Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 29.VI.2009, 1♂, 1♀ (MRSN); pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 26.VI.2011, 1♀ (MRSN); Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII.2009, 1♀; surroundings of Lago Sottano di Valscura, Alpine scree, 2300 m, 8.VII.2011, 1♀ (MRSN); Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 1♀; Vallone della Meris, Gias Prato, Alpine prairies with rocky debris, 1600 m, 27.VI.2011, 2♂, 1♀; Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1300 m, 1.VIII.2011, 1♂; Vallone di Lorousa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 2♂, 2♀; Vernante: surroundings of Gias Vilazzo,



FIG. 19. — *Aelurillus v-insignitus* (Clerck, 1757) (Thomisidae), Entracque, Gias degli Isterpis. Photograph: Alberto Chiarle (2011).

Vallone degli Alberghi, Alpine prairies with rocky debris, 1850 m, 26.VII.2011, 1♂ (MRSN); Vallone degli Alberghi, Gias Piamian, stream gravel, 1470 m, 1.VII.2010, 1♂, 2♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, riparian habitats, rocky lands.

#### *Heliophanus cupreus* (Walckenaer, 1802)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂, 1♀ (collected within the PIT Summer School 2011); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11-12.VII.2009 (pitfall traps), 1♂, 1♀; same locality, 29.VI.2009, 1♂; pathway to Rifugio Livio Bianco, Alpine prairies with rocky debris, 1200-1800 m, 30.VI.2011, 1♀ (MRSN); Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI.2009, 1♂, 2♀; same locality, 19.V.2011, 1♂ (MRSN); same locality, 22.IX.2009, 1♀; same locality, 29.VI.2011, 2♂, 1♀ (MRSN); Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 1♂; Vernante: Palanfrè, Pascariund, Alpine pasture, 1600 m, 30.VII-30.VIII.2010 (pitfall traps), 1♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010 (pitfall traps), 2♂.

CHOROTYPE. — SIE.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, shrublands, riparian habitats.

NOTES. — New record for the study area.

#### *Heliophanus flavipes* (Hahn, 1832)

NEW DATA. — Entracque: Tetti Violin, banks of a small stream with bushes, 900-1100 m, 15.V.2012, 1♀ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Riparian habitats.

NOTES. — New record for the study area.

#### *Heliophanus kochii* Simon, 1868

NEW DATA. — Valdieri: Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI.2009, 1♂, 1♀; same locality, 22.IX.2009, 1♀; same locality, 29.VI.2011, 1♀ (MRSN).

CHOROTYPE. — EUM.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.



FIG. 20. — *Evarcha falcata* (Clerck, 1757) (Salticidae), Entracque, Gorge della Reina. Photograph: Mauro Paschetta (2008).

*Heliophanus lineiventris* Simon, 1868

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII.2009, 1♀; Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♂.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

*Pellenes tripunctatus* (Walckenaer, 1802)

NEW DATA. — Vernante: Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 30.VI.2010, 1♂.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for Piemonte.

*Philaeus chrysops* (Poda, 1761)  
(Fig. 21)

NEW DATA. — Valdieri: pathway to lago Soprano della Sella, Alpine prairies with rocky debris, 1900-2300 m, 30.VI.2011, 2♂ (MRSN); Natural Reserve of Rocca San Giovanni-Saben, shrubland with



FIG. 21. — *Philaeus chrysops* (Poda, 1761) (Salticidae), Valdieri, Natural Reserve of Rocca San Giovanni-Saben. Photograph: Mauro Paschetta (2013).

*Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009 (pitfall traps), 1♀; Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1300 m, 1.VIII.2011, 1♂, 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands, Alpine prairies, shrublands.

NOTES. — New record for the study area.

*Phlegra fasciata* (Hahn, 1826)

NEW DATA. — Valdieri: Pian del Valasco, Alpine pasture with rocks, 1764 m, 11.VII-27.VIII.2009 (pitfall traps), 1♀.

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for the study area.

*Pseudeuophrys erratica* (Walckenaer, 1826)

NEW DATA. — Valdieri: Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♂; Vallone della Meris, Alpine prairies with rocky debris, 1200-1800 m, 26.V.2011, 1♂.

LITERATURE. — Paschetta *et al.* (2013).





FIG. 22. — *Saitis barbipes* (Simon, 1868) (Salticidae), Aisone, Vallone della Valletta. Photograph: Alberto Chiarle (2011).

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine pastures, rocky lands, not specified.

*Saitis barbipes* (Simon, 1868)  
(Fig. 22)

NEW DATA. — Aisone: Vallone della Valletta, Pinet, sparse larch wood, 1200-1500 m, 17.VIII.2010, 1♂; Entracque: Gias degli Isterpis, Vallone Gesso della Barra, Alpine prairies with rocky debris, 1368 m, 23.V.2010, 1♂; Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 4♂, 1♀; Tetti Violin, banks of a small stream with bushes, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 11-12.VII.2009 (pitfall traps), 1♂; Pian del Valasco, Alpine pasture with rocks, 1764 m, 27.VIII-23.IX.2009 (pitfall traps), 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18-23.VI.2009 (pitfall traps), 1♂; same locality, 22.IX.2009, 1♂, 2♀ (MRSN); Vallone di Lorusa, beech forest near stream, 1900-2000 m, 29.VIII.2009, 2♂, 2♀; Vernante: Palanfrè, beech forest, 1500 m, 13.X.2011, 1♀ (MRSN); Palanfrè, Pianard, Garbella, sparse wood, grassland, 1600 m, 14.VI.2010, 1♀; Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♀.

LITERATURE. — Paschetta *et al.* (2013).

CHOROTYPE. — MED.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, broadleaved woods, shrublands, larch woods, riparian habitats.

*Salticus scenicus* (Clerck, 1757)

NEW DATA. — Entracque: Tetti Violin, grassland with bushes, 900-1100 m, 10.VI.2011, 1♀ (collected within the PIT Summer School 2011); Valdieri: pathway to Pian del Valasco, beech forest near stream, 1500-2000 m, 27.VIII.2009, 1♀; Pian del Valasco, Alpine grassland with peatbogs, 1764 m, 7.VII.2011, 1♂ (MRSN); Rifugio Questa – Lago delle Portette, Alpine scree, 2300 m, 11-12.VII.2009 (pitfall traps), 1♀; Natural Reserve of Rocca San Giovanni-Saben, shrubland with *Juniperus phoenicea*, 1000-1500 m, 18.VI.2009, 1♀; Vallone della Meris, Gias Prato, Alpine prairies with rocky debris, 1600 m, 27.VI.2011, 1♀; Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1300 m, 1.VIII.2011, 1♂.

CHOROTYPE. — OLA.

MACROHABITAT. — Alpine grasslands, Alpine pastures, Alpine prairies, shrublands, riparian habitats, rocky lands.

NOTES. — New record for the study area.

*Sibianor aurocinctus* (Ohlert, 1865)

NEW DATA. — Entracque: Tetti Violin, grassland, 900-1100 m, 10.VI.2011, 1♂ (collected within the PIT Summer School 2011).

CHOROTYPE. — PAL.

MACROHABITAT. — Alpine grasslands.

NOTES. — New record for Piemonte.

*Sitticus atricapillus* (Simon, 1882)

NEW DATA. — Valdieri: along the path to Monte Matto, Alpine scree, 2500-3088 m, 27.VI.2011, 1♀.

CHOROTYPE. — SEU.

MACROHABITAT. — Rocky lands.

NOTES. — New record for Piemonte.

*Sitticus pubescens* (Fabricius, 1775)

NEW DATA. — Entracque: Gorge della Reina, sparse wood, grassland and rock-debris, 900-1200 m, 22.V.2010, 1♀.

CHOROTYPE. — OLA.

MACROHABITAT. — Shrublands.

NOTES. — New record for the study area.

*Sitticus rupicola* (C. L. Koch, 1837)

LITERATURE. — Calloni (1889).

CHOROTYPE. — EUR.

MACROHABITAT. — not specified.

*Sitticus saxicola* (C. L. Koch, 1846)

NEW DATA. — Vernante: Vallone degli Alberghi, sparse wood, grassland and rock-debris, 1400-2000 m, 5.VI.2010, 1♂.

CHOROTYPE. — PAL.

MACROHABITAT. — not specified.

NOTES. — New record for Piemonte.

*Talavera monticola* (Kulczynski, 1884)

NEW DATA. — Valdieri: southern slope of Monte Bourel, Vallone della Meris, Sant'Anna di Valdieri, Alpine prairies with rocky debris, 1500-2300 m, 1-31.VIII.2011 (pitfall traps), 1♂.

CHOROTYPE. — SEU.

MACROHABITAT. — Alpine prairies.

NOTES. — New record for Piemonte.

*Talavera inopinata* Wunderlich, 1993

NEW DATA. — Vernante: Palanfrè, edge of beech forest, 1600 m, 9.IX.2011, 1♀.

CHOROTYPE. — EUR.

MACROHABITAT. — Alpine pastures.

NOTES. — New record for Italy.

GENERAL CONSIDERATIONS

Faunal inventories are the first step in the study of biodiversity and often provide the basis for multiple types of ecological studies (Sanborn 2011). Our catalogue provides the first structured spider checklist for the Site of Community Importance and Special Area of Conservation IT1160056 “Alpi Marittime”. The new data presented here add 182 species to the list of the spider species known for the study area, raising their total number to 295 (147 genera and 31 families). A selection of photographs of the most representative species of the Park is presented in Figs 3-22. The final species count also includes three species of linyphiids whose identifications require confirmation (*Mecynargus* cf. *paetulus*, *Leptyphantes* sp. and *Walckenaeria* cf. *simplex*) (see notes under these species in the checklist). The study area includes half of the species currently known for Piemonte (546 species and 5 subspecies in total) (Isايا *et al.* 2007). Compared with other northern Italian regions, such as Trentino-Alto Adige, Lombardia, Veneto and Valle d'Aosta, and considering its extent, our results confirm the biological richness of this area (see Table 3). The spider fauna of the the Site of Community Importance and Special Area of Conservation “Alpi Marittime” represent 18% of the Italian total. The number of families found in the study area (31) is comparable to those for the Northern Italian regions (44 in Veneto, 39 in Lombardia, 35 in Alto Adige, 43 in Piemonte, 29 in Valle d'Aosta).

Although ten species (*Agyneta nigripes*, *Diplocephalus foraminifer*, *Histopona torpida*, *Pardosa ferruginea*, *Pardosa paludicola*, *Pardosa palustris*, *Pelecopsis parallela*, *Scotinotylus antennatus*, *Walckenaeria monoceros* and *Sitticus rupicola*) are only cited from the work of Calloni (1890) and need confirmation, their presence in the area would be compatible with their ecological preferences.

Considering the works reporting data on the spiders of Piemonte published after the Regional checklist by Isايا *et al.* (2007) (Lambiase *et al.* 2007, Pantini & Isايا 2008, Sassu *et al.* 2008, Isايا & Pantini 2008, 2009, 2010; Isايا *et al.* 2010a, 2010b, 2010c, 2011; Hervé *et al.* 2009, Muster 2009, Bolzern *et al.* 2010, Chiarle & Isايا 2013, Chiarle *et al.* 2010, 2013; Tanasevitch 2011, Frick & Isايا 2012, Paschetta *et al.* 2012, Bolzern *et al.* 2013, 2015, Korenko *et al.* 2013, Paschetta *et al.* 2013, Isايا & Chiarle 2015), we provide 38 new records for Piemonte (see Table 4) and raise the total number of species known from this region to 626.

Four species (*Drassodes thaleri*, *Drassodex simoni*, *Micrargus alpinus* and *Talavera inopinata*) are recorded for the first time in Italy. *Drassodes thaleri* and *Drassodex simoni* have recently been described by Hervé *et al.* (2009) from material collected in the French Alpes Maritimes (National Park of Mercantour). In accordance with the original descriptions, we found these species in high Alpine habitats, such as scree and Alpine prairies under stones. Specimens of *Micrargus alpinus* were collected at lower elevations (1500 m) in a riparian wood of *Fraxinus excelsior* and in

TABLE 3. — Number of families and species for the study area and its extent (in km<sup>2</sup>), compared with some Northern Italian regions.

Area/region	Families	Species	Extent (km <sup>2</sup> )	References
Study Area	31	295	336	This work
Piemonte	43	546	25402	Isaia <i>et al.</i> 2007
Valle d'Aosta	29	261	3260	Isaia 2005
Lombardia	39	679	23860	Isaia <i>et al.</i> 2007
Trentino – A. A.	35	606	13607	Noflatscher 1996
Veneto	44	738	18399	Ballarin <i>et al.</i> 2011
Italy	49	1613	301304	Pantini & Isaia 2008

TABLE 4. — List of new records for Piemonte and Italy (systematic order after Platnick 2014). All species are new for Piemonte. Bold species are also new for Italy.

Family	Species
Linyphiidae	<i>Boleptyphantes index</i> (Thorell, 1856) <i>Centromerus brevipalpus</i> (Menge, 1866) <i>Centromerus sellarius</i> (Simon, 1884) <i>Entelecara acuminata</i> (Wider, 1834) <i>Hilaira excisa</i> (O. P.-Cambridge, 1871) <i>Mansuphantes aridus</i> (Thorell, 1875) <i>Mansuphantes pseudoariger</i> (Wunderlich, 1985) <i>Megaleptyphantes collinus</i> (L. Koch, 1872) <b><i>Micrargus alpinus</i> Relys &amp; Weiss, 1997</b> <i>Micrargus subaequalis</i> (Westring, 1851) <i>Pelecopsis elongata</i> (Wider, 1834) <i>Pityohyphantes phrygianus</i> (C. L. Koch, 1836) <i>Walckenaeria acuminata</i> Blackwall, 1833 <i>Walckenaeria alticeps</i> (Denis, 1952) <i>Walckenaeria languida</i> (Simon, 1914)
Liocranidae	<i>Apostenus fuscus</i> Westring, 1851
Theridiidae	<i>Dipoena erythropus</i> (Simon, 1881) <i>Euryopis laeta</i> (Westring, 1861) <i>Neottiura bimaculata</i> (Linnaeus, 1767) <i>Robertus scoticus</i> Jackson, 1914 <i>Theridion betteni</i> Wiehle, 1960
Araneidae	<i>Araniella alpica</i> (L. Koch, 1869)
Lycosidae	<i>Arctosa renidescens</i> Buchar & Thaler, 1995
Zoridae	<i>Zora pardalis</i> Simon, 1878
Dictynidae	<i>Mastigusa arietina</i> (Thorell, 1871)
Clubionidae	<i>Clubiona caerulescens</i> L. Koch, 1867
Gnaphosidae	<b><i>Drassodes thaleri</i> Hervé &amp; Rollard, 2009</b> <b><i>Drassodex simoni</i> Hervé <i>et al.</i>, 2009</b> <i>Micaria silesiaca</i> L. Koch, 1875
Philodromidae	<i>Philodromus emarginatus</i> (Schrank, 1803) <i>Thanatus striatus</i> C. L. Koch, 1845
Salticidae	<i>Dendryphantes rudis</i> (Sundevall, 1833) <i>Pellenes tripunctatus</i> (Walckenaer, 1802) <i>Sibianor aurocinctus</i> (Ohlert, 1865) <i>Sitticus atricapillus</i> (Simon, 1882) <i>Sitticus saxicola</i> (C. L. Koch, 1846) <i>Talavera monticola</i> (Kulczyn'ski, 1884) <b><i>Talavera inopinata</i> Wunderlich, 1993</b>

Alpine grasslands. This species was known so far only for Austria, Switzerland and Germany, where it was collected in shrub heaths of the subalpine level (1400-1600 m). The single female of *Talavera inopinata* found in the present study was collected in Alpine grasslands at the edge of a beech forest at around 1600 m, which corresponds ap-

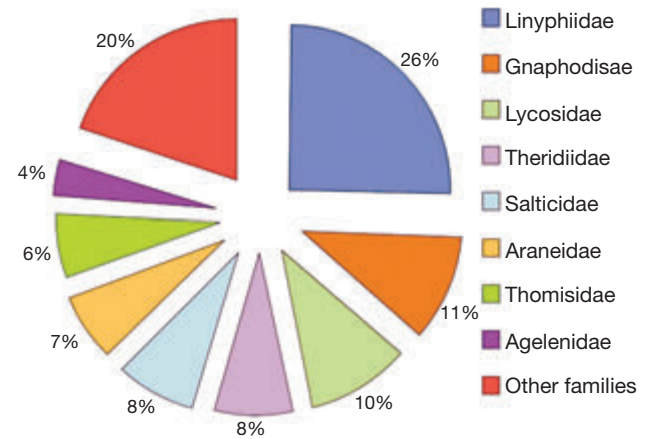


FIG. 23. — Species richness by family (in %) in the study

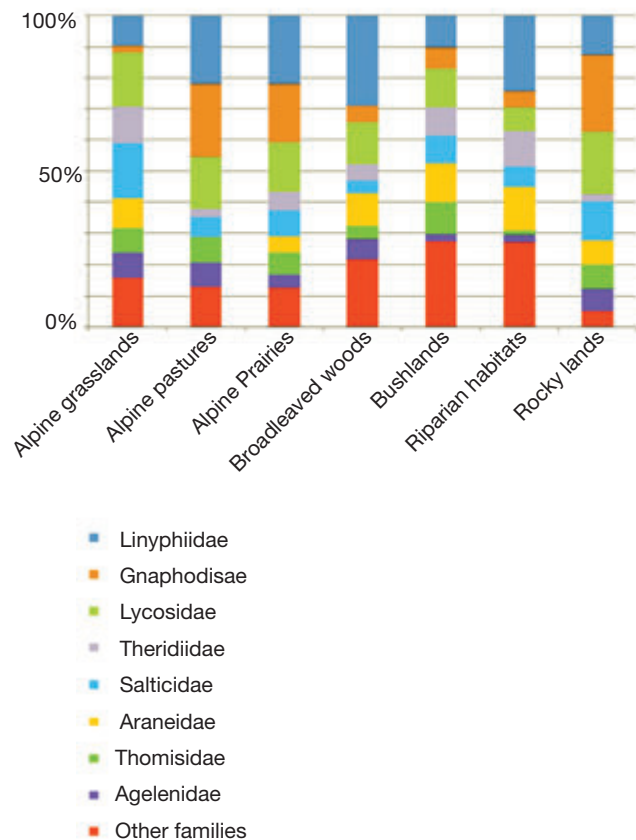


FIG. 24. — Species richness by family (in %) in the most representative macrohabitats.

proximately to the typical habitat of the species (Nentwig *et al.* 2013).

In terms of species richness, linyphiids dominate with 77 species (26%), followed by gnaphosids (11%) and lycosids (10%) (Fig. 23). Linyphiids were mostly collected in broadleaved woods and riparian habitats, while gnaphosids and lycosids

TABLE 5. — List of the restricted endemic species (chorotype: ALSW) found in the study area, with reference to the collection localities and to the macrohabitat (systematic order after Platnick 2014).

Species	Localities	Macrohabitat
<i>Leptoneta crypticola franciscoloi</i> di Caporiacco, 1950	Gorge della Reina Grotta Baròn Litròn, Valle dell'Infernotto Grotta del Bandito Military bunker of Vernante	Rocky Lands Caves Caves Caves
<i>Dysdera cribrata</i> Simon, 1882	Pian del Valasco Torrente Bousset, Trinità di Entracque	Alpine Prairies Riparian Habitats
<i>Nesticus morisii</i> Brignoli, 1975	Military bunker of Vernante	Caves
<i>Araeoncus vaporariorum</i> (O. P.-Cambridge, 1875)	Nearby Mont Clapier Vallone della Valletta, Pian della Casa	Rocky Lands Alpine Pastures
<i>Diplocephalus guidoi</i> Frick & Isaia, 2012	Pinet, Vallone della Valletta (Aisone)	Larch Woods
<i>Lepthyphantes agnellus</i> Maurer & Thaler, 1988	Galleria di Valscura Nearby Lago Soprano della Sella	Rocky Lands Alpine Prairies
<i>Troglohyphantes konradi</i> Brignoli, 1975	Grotta Baròn Litròn, Valle dell'Infernotto Military bunker of Vernante	Caves Caves
<i>Vesubia jugorum</i> (Simon, 1881)	Bassa del Drous Colle del Sabbione Colle di Finestra Colle di Fremamorta Monte Bourel Monte Chamoussier, Vallone degli Albergh Monte Matto Nearby Lago di Valscura Nearby Lago Soprano della Sella Rifugio Soria Surroundings of Lago Sottano di Valscura Vallone Assedras, Rifugio Remondino	Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands Rocky Lands
<i>Coelotes poweri</i> Simon, 1875	Palanfrè, Gias del Chiot Pian della Casa Vallone della Valletta, Pian della Casa	Broadleaved Woods Alpine Pastures Alpine Pastures
<i>Cybaeus vignai</i> Brignoli, 1977	Palanfrè Torrente Bousset, Trinità di Entracque	Broadleaved Woods Riparian Habitats
<i>Drassodes thaleri</i> Hervé & Rollard, 2009	Monte Bourel, Vallone della Meris Monte Matto Surroundings of Lago Inferiore di Valscura	Alpine Prairies Rocky Lands Rocky Lands
<i>Drassodex validior</i> (Simon, 1914)	Nearby Mont Clapier Palanfrè	Rocky Lands Broadleaved Woods

dominate in rocky lands (Fig. 24). Alpine prairies and pastures show almost equal percentages of linyphiids, gnaphosids and lycosids, while in grazed grasslands at lower elevations the percentage of gnaphosids decreases. Shrublands show a high percentage of araneids and lycosids.

During the fieldwork, we collected 4390 specimens at 79 different localities (Fig. 25) through 264 sampling events. Localities are scattered along an altitudinal range of nearly 2500 m, from the 650 m of Borgo S. Dalmazzo to the 3088 m of Monte Matto.

Based on the results of an intensive sampling campaign by means of pitfall traps, the best investigated macrohabitat in terms of abundance of individuals was the broadleaved woods category, with 1885 specimens collected, followed by Alpine pastures (1320 specimens) and Alpine prairies (1125 specimens). The macrohabitat of Alpine prairies was characterized by the highest species richness (115), followed by shrublands (88) and broadleaved woods (85) (Fig. 26).

Despite the low number of individuals collected, shrublands and riparian habitats seem to be the most promising

habitats in terms of the ratio individuals/species richness and thus deserve particular attention in future studies. A similar situation concerns wetlands, for which a higher number of species could be expected. Given the dominance of rocky lands in the study area and the high number of species recorded, further studies on this habitat are also recommended.

The list of species found in the cave macrohabitat is probably one the most comprehensive because of the abundant literature records. Moreover, most of the caves censused in the study area were investigated.

Regarding chorotypes, almost half the species (46%) have a Palearctic distribution and nearly one fourth (24%) have a European distribution. Endemic species represent 9% of the total (Fig. 27). The distribution of the chorotypes of the Site of Community Importance and Special Area of Conservation IT1160056 “Alpi Marittime”, reflects the distribution at the regional level (Isaia *et al.* 2007), for which a slightly lower percentage of endemic species is recorded (7% versus 9%, see Table 1).

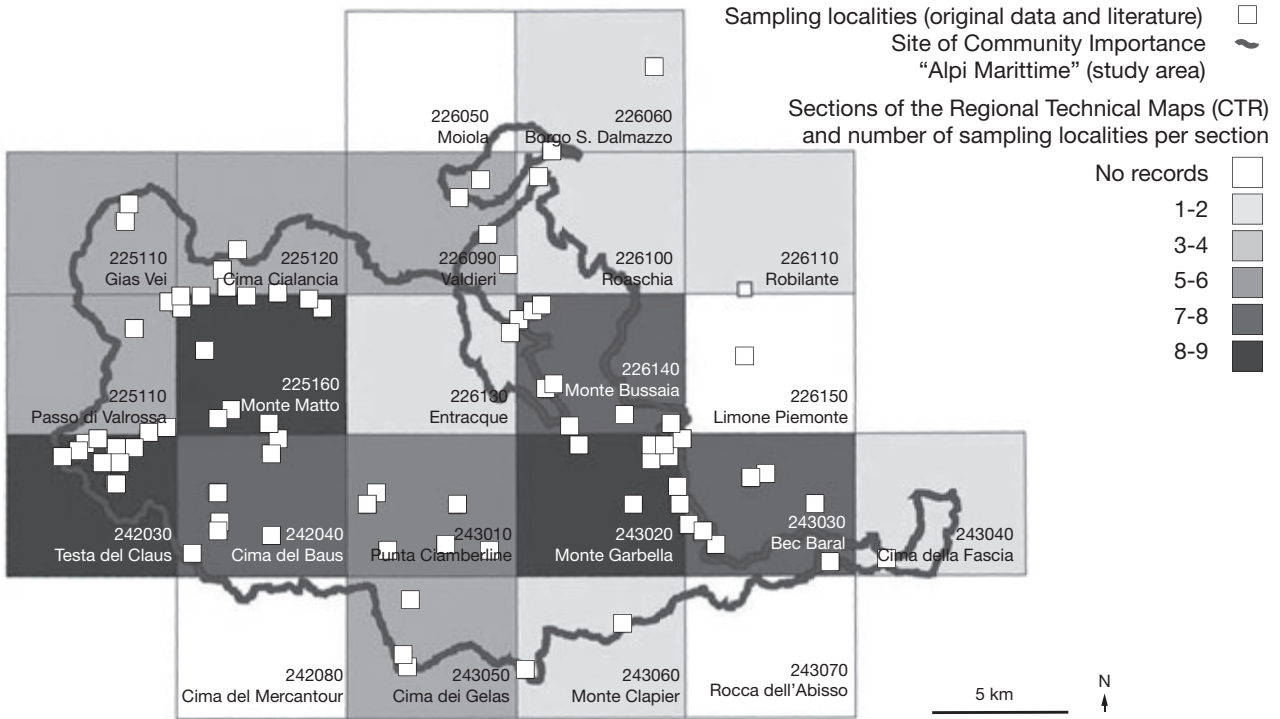


FIG. 25. — Map of the sampling localities (new data and literature).

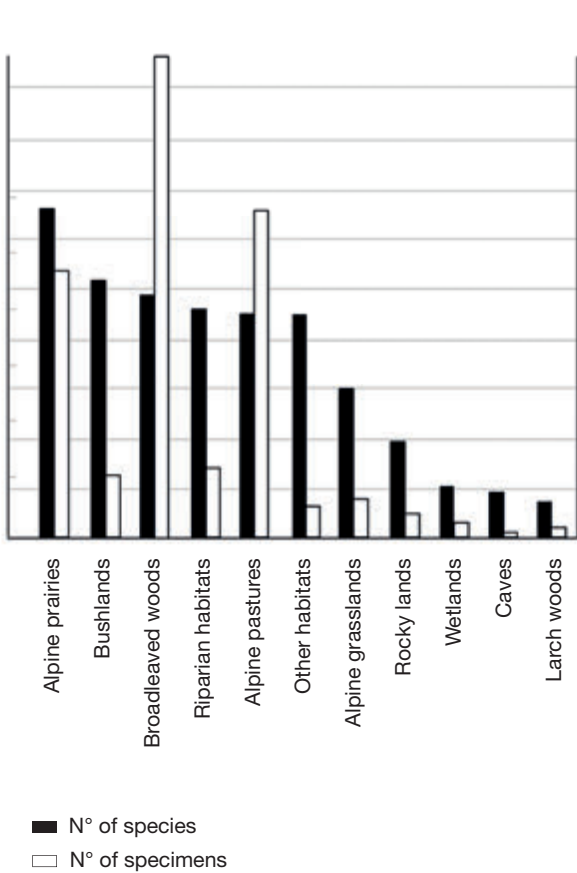


FIG. 26. — Number of species (black) and number of specimens (white) for each macrohabitat.

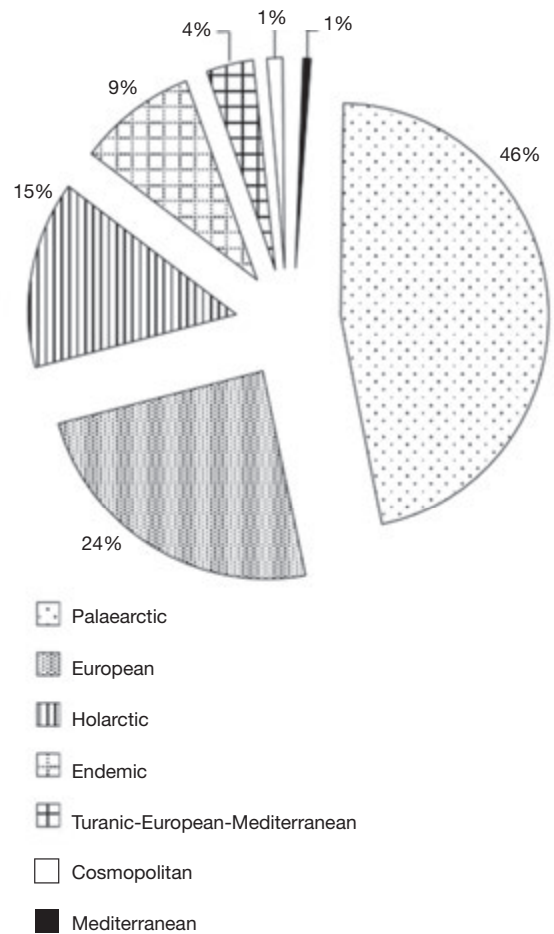


FIG. 27. — Species distribution. Groups of main chorotypes according to Table 1.

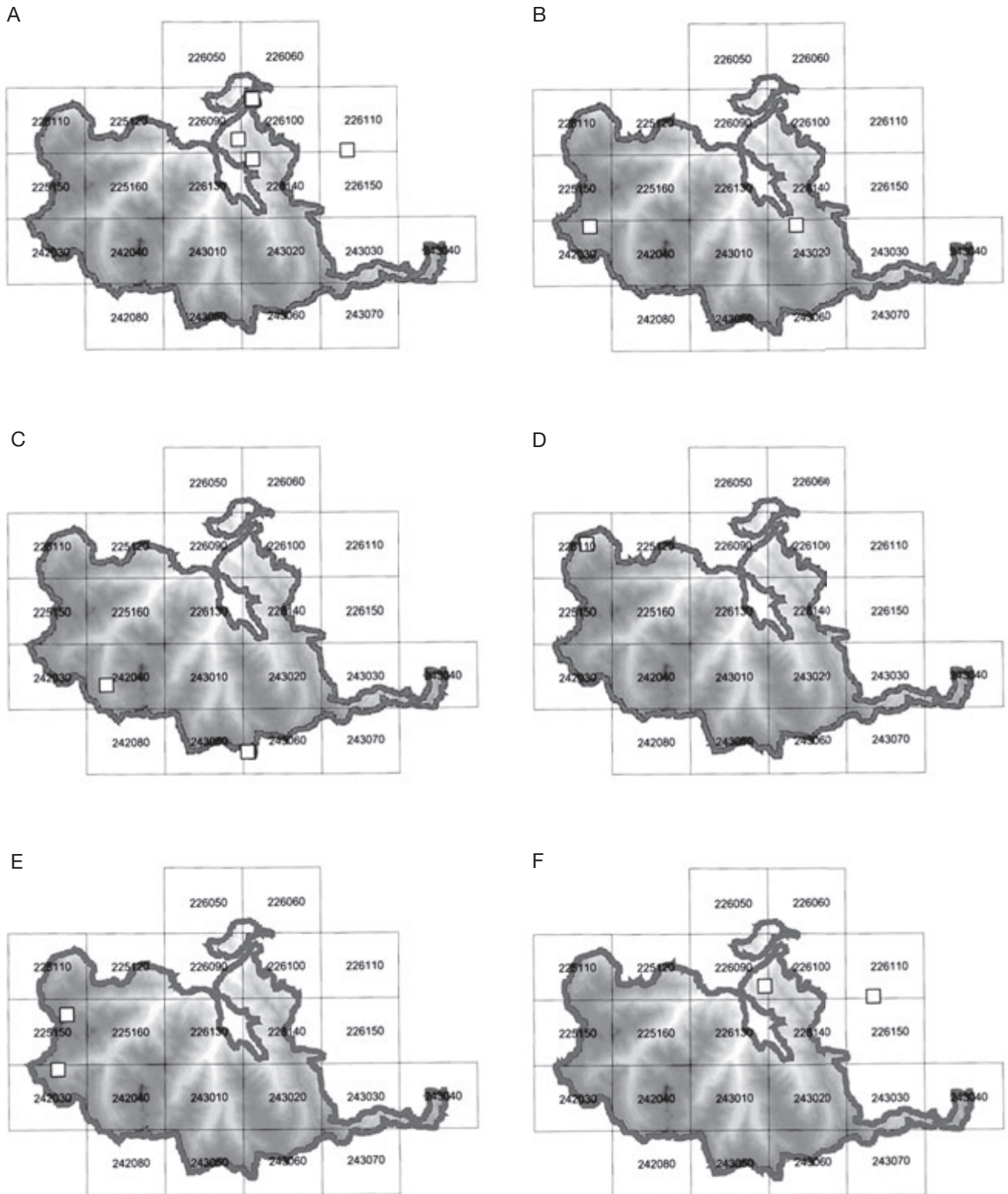


Fig. 28. — Records (□) of restricted endemic species (ALSW chorotype) in the study area: **A**, *Leptoneta crypticola franciscocoli* di Caporiacco, 1950; **B**, *Dysdera cribrata* Simon, 1882; **C**, *Aræoncus vaporariorum* (O. P.-Cambridge, 1875); **D**, *Diplocephalus guidoi* Frick & Isايا, 2012; **E**, *Leptyphantes agnellus* Maurer & Thaler, 1988; **F**, *Troglohyphantes konradi* Brignoli, 1975.

It is worth mentioning that most of the endemic fauna of Piemonte is composed of elements endemic to the district of Alpi Marittime (ALSW chorotype, Table 5).

Among these (Figs 28A-F, 29A-F), several species stand out for their ecological and faunistic peculiarities. *Vesubia jugorum* (Lycosidae) (Fig. 14), one of the largest lycosids occurring in

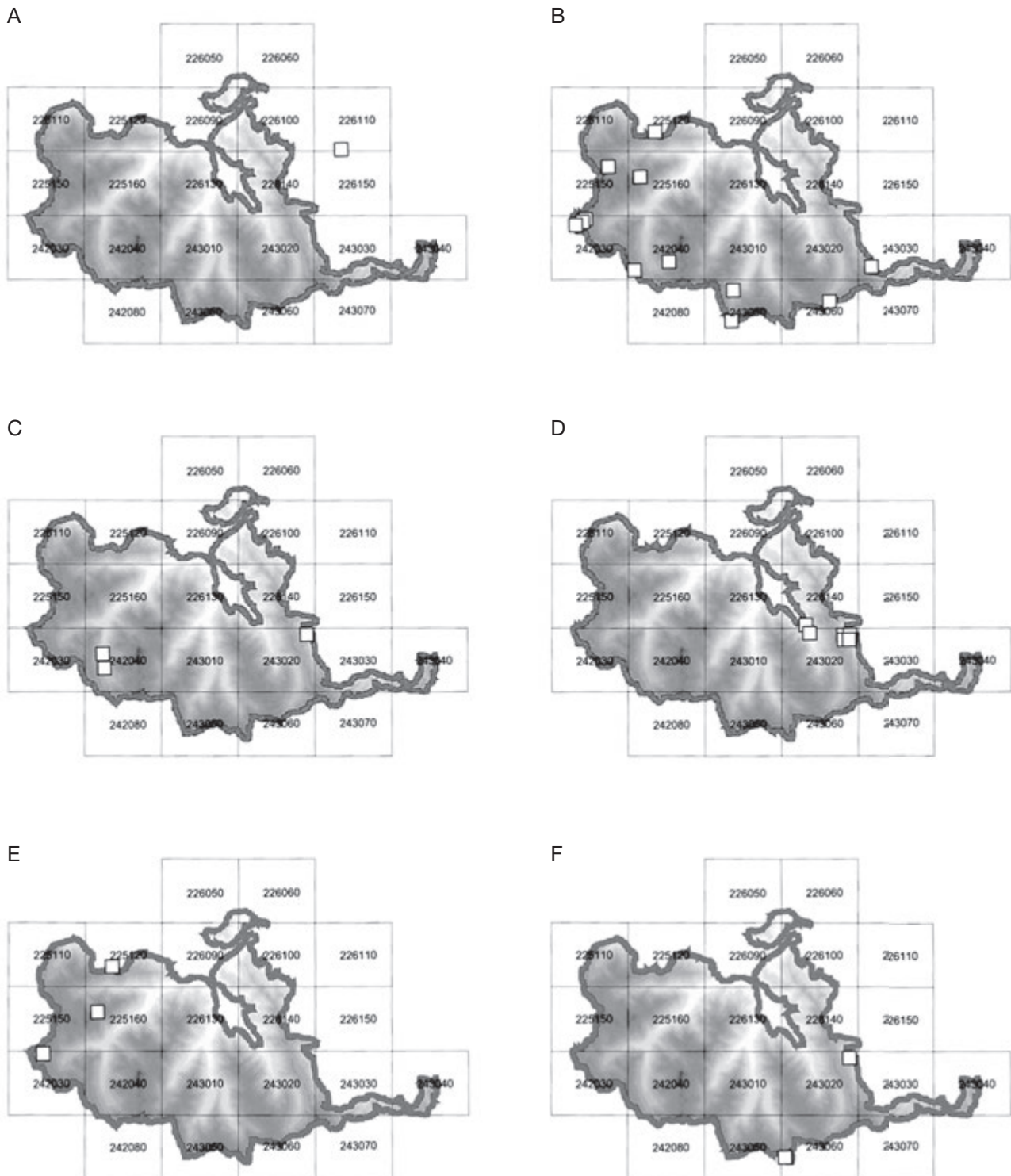


FIG. 29. — Records (□) of restricted endemic species (ALSW chorotype) in the study area. **A**, *Nesticus morisii* Brignoli, 1975; **B**, *Vesubia jugorum* (Simon, 1881); **C**, *Coelotes poweri* Simon, 1875; **D**, *Cybaeus vignai* Brignoli, 1977; **E**, *Drassodes thaleri* Hervé & Rollard, 2009; **F**, *Drassodes validior* (Simon, 1914).

Europe, was described by Simon (1881) from material from Saint Martin de Vesubie, France. Arguably the most famous species of spider of the Maritime Alps, it is a rare endemic

lycosid, being restricted to a highly fragmented area of about 500 km<sup>2</sup>, centred on the Mercantour-Argentera massif. It occurs exclusively on rocky lands from 2300 to 3290 m and,

until now, data about its presence were limited to a very small number of records (Lugetti & Tongiorgi 1969, Maurer & Thaler 1988, Isaia *et al.* 2007). Considering its distinctive life history, strict adaptation to the cold montane environment, narrow temperature range and narrow endemic distribution, it seems reasonable to propose a pre-Quaternary origin for this species (i.e. palaeoendemism), which would imply that its ecological niche may have remained relatively constant during the Pleistocene (Tongiorgi 1968, 1969). Although we confirm its presence within the study area and report several new records (Colle del Sabbione, Colle di Finestra, Colle di Fremamorta, Monte Chamoussier – Vallone degli Albergh, nearby Lago Soprano della Sella, Monte Bourel, Monte Matto, surroundings of Lago Sottano di Valscura, nearby Lago di Valscura, Rifugio Soria, Vallone Assedras, Rifugio Remondino and Bassa del Drous), this species exhibits a relatively low number of populations and its possible inclusion in the IUCN red data book should be evaluated.

Another interesting species is *Turinyphia clairi* (Linyphiidae) (Fig. 4), which might share a similar biogeographical history with *Vesubia jugorum*. Maurer & Thaler (1988) consider it a palaeoendemic and report about it from several localities in the district of the Maritime Alps. In Italy, it has been recently recorded in hypogean habitats (Isaia *et al.* 2011). In this work we report its frequent presence in beech forests and other shaded habitats.

Beech forests are also inhabited by *Cybaeus vignai* (Cybaeidae), a troglophilic, detriticolous/lapidicolous element that was described by Brignoli (1977) from material collected in the cellars of the Carthusian monastery of Chiusa Pesio. A separate contribution on this species is given in this volume (Isaia & Chiarle 2015).

The whole district of the Maritime Alps stands out for the remarkable biodiversity of its subterranean arachnological coenosis (Isaia *et al.* 2011) and the study area is no exception in this respect. *Nesticus morisii* (Nesticidae) (Fig. 3) and *Troglohyphantes konradi* (Linyphiidae) are the most remarkable representatives of this category of species. *Troglohyphantes konradi* is only known from seven subterranean localities (Isaia *et al.* 2010b, Isaia *et al.* 2011), all of them within the borders of the Site of Community Importance and Special Area of Conservation “Alpi Marittime”. *Nesticus morisii* is only known from the type locality, the military bunker of Vernante, just outside the borders of the protected area.

### Acknowledgements

The All Taxa Biodiversity Inventory + Monitoring Mercantour / Alpi Marittime was launched by the European Distributed Institute of Taxonomy (EDIT) project (2006-2011).

We thank M. De Biaggi (Parco Alpi Marittime) and M.-E. Leccia (Mercantour National Park).

The work has benefitted from the collaboration with the Natural Park of Alpi Marittime, under the aegis of the project “Piano Integrato Transfrontaliero Marittime-Mercantour”, funded by Programma Alcotra 2007-2013. Some collections were made as part of two Summer schools

organized by the PIT (“PIT Summer School 2012: Agronomic, forestry and pasture activities and biodiversity conservation: problems and strategies for monitoring and management, Parco Naturale Alpi Marittime, Italy, 1-8 July 2012”, “PIT Summer School 2011 – Dalla Tassonomia alla Bioindicazione: studiare gli invertebrati terrestri per indagare i processi naturali e artificiali Parco Naturale Alpi Marittime, Italy, 5-12 giugno 2011”). Thanks to the staff of the Natural Park for logistic support.

We warmly thank Cati Caballo, Raquel Galindo, Luca Giraud, Davide Giuliano, Ivan Franco, Federica La Pietra, Elena Piano, Luca Picciau, Barbara Rizzoli, Matteo Russo, Marco Stassi and all the students of the Summer Schools for the assistance during fieldwork. And we thank the reviewers that contribute to improve our manuscript.

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Submitted on 8 January 2014;  
accepted on 13 June 2014;  
published on 27 March 2015.