

The Dolomites

Devil's Claw and King of the Alps

A Greentours Trip Report

23rd June to 2nd July 2016

Led by Paul Cardy

Daily Reports and Systematic Lists by Paul Cardy

Day 1 Thursday 23rd June

Arrival and Journey to Claut

Having driven from the western Alps, I arrived at Marco Polo airport to discover delays were the order of the day, due to both bad weather in southern England and an air traffic strike in France. Conveniently, Stefano and I had arranged to meet for the first evening of the tour, and that worked well as he was able to set off towards the hotel once Rachel, Cecilia, Miriam and Talma had arrived, whilst I waited for Rob and Julia.

In due course they arrived, and as the heat of the day turned to a pleasantly cooler evening we set off north, initially across the predominantly agricultural plains, the line of the Alps ahead of us. Even in the lowlands the vegetation was still surprisingly verdant at this season. The scenery became ever more impressive, and once we'd left the main road the verges had many flowers.

It was then but a short drive to the lovely village of Claut where we settled into our pleasant rooms, the hotel conveniently situated in the centre of the village, noise not being a problem though (other than the church bells!) in this tranquil area.

We all enjoyed an excellent first dinner, I gave the introductory talk, and we anticipated the productive tour to come.

Day 2 Friday 24th June

Cimoliana

Most of us were in shock and mourning after hearing of the result of the EU vote in the UK. Here we were in Europe, where I live, and it felt very strange. Nevertheless we enjoyed a superb first day in the field and saw a wealth of fine things.

While everyone enjoyed breakfast in the hotel, I shopped for fresh picnic supplies and bread in the village, an enjoyable experience with friendly shopkeepers.

Under clear blue skies we drove the short distance to the neighbouring village, Cimolais, and from there headed up the Cimoliana valley. The first stop, amid Black Pines and *Salix waldsteiniana*, had *Orobanche gracilis* in good bloom, *Campanula scheuchzeri*, *Thesium rostratum*, *Prunella grandiflora*, and there were some fine Fragrant Orchids and Lesser Butterfly Orchids. The endemics *Euphorbia triflora kernerii* and *Rhinanthus pampaninii* were here too. Several butterflies were already on the wing and included Chalkhill Blue, Pearly Heath, and Woodland Brown. Honey Buzzard was in the air.

A short walk took us to cliffs that supported many fine Devil's Claws, in perfect flower, one of the plant highlights of the Dolomites. They really were in superb form this year, with several in easy reach. The same cliffs had much *Spiraea decumbens*, leaves of *Potentilla caulescens*, and *Chondrilla chondrilloides* flowered abundantly beside the track. The *Rhododendron hirsutum* was much admired. The scenery was sublime, and more and more butterflies were taking to the wing as the day warmed up. There were many Black-veined Whites, as well as Grizzled Skipper, and Hungarian Gliders were associated with their foodplant, the *Spiraea*. The rocks supported a good selection of ferns including Limestone Fern, Holly Fern, Green Spleenwort, Wall-rue, Maidenhair Spleenwort and Brittle-bladder Fern. A highlight was a number of fine yellow day lilies, *Hemerocallis lilio-asphodelus*, a rather surprising endemic here. There were several on the cliffs above, but also some right beside the track. *Seseli kochii* was identified.

For the first time I ventured across the rushing stream and found more superb Devil's Claws on the rocks on the other side. This was Cecilia's main target plant of the tour but in her speed to get close to them she ended up getting a bit wet in the stream!

Next was a knapweed, *Centaurea dichroantha*, usually in two colour forms, purple and yellow, but all were in bud this year. Large Chequered Skipper was as always a great find at a reliable site for the species, and today Chequered Skipper was here too. A little further along we found more of the very special endemic *Hemerocallis lilio-asphodelus*. Also on the cliffs here were *Silene pusilla* and Yellow Archangel.

Entering fine forest, Bird's-nest Orchid was found, and Lady's Slippers were in leaf. I set out our first extensive picnic at a well situated table, and here we saw the first of many Duke of Burgundys.

Our drive now took us across a wide stony river bed. River gravels had Alpine Gypsophila, *Cerastium subtriflorum*, and *Saxifraga squarrosa*.

Reaching the end of the drivable road we took a short walk and found the attractive *Dianthus sternbergii* in fine flower, and Willow Gentian was in leaf. Some fine Bladder Gentians were found nearby, and we were delighted to see many fine Lady's Slippers, more than we had ever seen here before, the best hidden among the bushes. A pleasing find was a lone Military Orchid, uncommon in the area and the first seen on the tour since 2008! Another bonus was several *Chamaecytisus purpureus* still in flower. The distinctive pink *Crepis froelichiana dinarica*, an endemic subspecies, was here, and *Anemone trifolia*, Interrupted Clubmoss and Fir Clubmoss were under the trees. A snowbell, probably *Soldanella minima*, was in fruit. There were more Duke of Burgundys here than I had ever seen anywhere.

Another short stop was prompted by Round-leaved Wintergreen in fine form. Lower down another *Hemerocallis* site also had the specialities *Arenaria huteri* and *Silene veselskyi*, where refreshing water trickled onto us from the springs above. Lower meadows had Pyramidal Orchids and an interesting selection of invertebrates.

Day 3 Saturday 25th June

Claut and Transfer to Rocca Pietore

Another superb day weather wise, with a wealth of things seen at a great selection of sites. After breakfast we checked out of the hotel, and headed above the village in search of some of the dinosaur footprints that the area is famous for. The drive itself was quite an experience, first along a beautiful narrow valley, then climbing up a long series of hairpins through fine beech woodland. This really is a beautiful little visited valley.

At the end of the forested track we parked and set out on foot amid fine scenery. We had the area all to ourselves, the owner of the isolated refuge being the only other person we saw. The meadows were flowery, and *Aethionema saxatile*, a species we first saw last year, was again found by Rachel and Cecilia. Soon we reached the river bed where were three quite clear bipedal dinosaur prints on a large boulder, highlighted on a recently positioned notice board. Here were a number of Bird's Nest Orchids, there was Green Spleenwort on rocks at the forest edge, and on the open grassland was *Orobanche gracilis*. In such fine weather Painted Lady, Black-veined White, and Pearl-bordered Fritillary were on the wing. Crested Tits and Coal Tits were active in the conifers, Western Bonelli's Warblers called, and Black Woodpecker called and I was very pleased to see it, although briefly.

Back along the entrance road *Lomelosia graminifolia*, a rather special scabious, was nearly all still in bud this year, although we did find two flowers. *Genista radiata* and *Teucrium montanum* were seen too. After a short stop at Claut post office so I could post a letter we headed west.

At the next stop I was delighted to relocate two of the diminutive *Malaxis monophyllos* that I had first found here a few years before, being a new site for the species. The meadows were flowery and under the trees were Red Helleborine, the leaves of *Asarum europaeum*, and Bastard Balm with white flowers. Heath Fritillary was on the wing.

Next was Vajont where we walked a quiet lane, with a fine flora, and butterflies much in evidence. Apollos floated along dry slopes covered in their foodplants, stonecrops, and there were also Blue-spot Hairstreak, Mazarine Blue, Pearly Heaths, Marbled Whites, Woodland Brown, Common Blues, and Large Skippers. Burnets were numerous, among them *Zygaena transalpina* and *Zygaena lonicerae*. Bee Beetle was as always a good find. Spiked Bellflowers were impressive, with *Campanula persicifolia* too. Broad-leaved and Dark Red Helleborines were admired, the latter numerous, and there were a number of Fragrant Orchids, some very robust. There were also a few Lesser Butterfly Orchids and a great find was several Fly Orchids in fine flower. The *Teucrium montanum* was attractive, and *Centaurea jacea*, *Hieracium staticifolium* and *Bupthalmum salicifolium* were among the composites. *Peucedanum venetum* was rather common and *Verbascum chaixii austriacum* was in flower. Among the many other plants were *Linum tenuifolium*, *Valeriana wallrothii*, Swallow-wort, and Wood Pink. Occasionally looking up from the great variety of flowers and insects, the views were pretty good too! Here I set out the lunch in another quiet spot. *Centaurea montana* bloomed nearby.

Early afternoon saw us heading further west, down to Longarone, and into the Dolomiti Bellunesi, in which we would spend the remainder of the tour. *Campanula spicata* became rather common on the roadsides.

Near the village of Dont were Marsh Helleborines on the roadside, just coming into flower, *Tetragonolobus maritimus*, and *Dactylorhiza lapponica* in flower. A stop at Passo Duran had a floriferous marshy slope with many marsh orchids, and abundant Globe Flowers. There were many other plants here in this fine habitat, such as *Senecio alpestris*, *Ligusticum mutellinoides*, *Polygonum viviparum*, and *Veratrum viride*. *Carex paniculata* tussocks characterised the wet flushes at the bottom of the slope, and other sedges here were *Carex nigra*, *Carex panicea*, *Carex davalliana*, *Carex flacca*, *Carex pallescens*, *Carex lepidocarpa*, and *Carex rostrata*. The views were sublime.

I negotiated the next stretch of this narrow road, amazingly busy with motorbikes today, and we headed down to the valley. North of Agordo we took a short detour and found rosettes of *Saxifraga hostii*.

We continued to our hotel, and there settled in to the very pleasant rooms that would be our home for the remainder of the tour. Crag Martins continuously flew around the hotel, and Common Redstart was seen daily here (as well as Black Redstart of course).

Before dinner we met for a first run through the already very extensive plant lists. We enjoyed a superb dinner, with excellent service.

Day 4 Sunday 26th June

Fontanafredda

A very mixed day weather wise began with light rain and heavily clouded skies, but we went ahead with our plans regardless, completing the intended itinerary, and in fact even enjoying much sunshine later in the day.

We first drove to Selva di Cadore where I did the picnic shopping in a well stocked small supermarket before we headed up to Staulanza, making our first stop just below the pass. Here were at least nine of the diminutive Lesser Twayblade, hidden under the trees, and the Coralroot Orchids were in good flower too. Remarkably the lone Lady's Slipper here was already over, at a higher altitude than those we had seen in fine flower at Cimoliana. There was much else of interest including One-flowered and Nodding Wintergreens, Shrubby Milkwort, and Dragonmouth. Spring Heath was still abundantly in flower this year at many sites.

A very short drive took us to the track we call Fontanafredda, where we spent all day slowly pottering along, at altitudes between 1700 and 1900m, admiring the wealth of plants. Progress was very slow as there was so much of interest, the verges and clearings being awash with flowers. The views of Pelmo and Civetta were periodically superb, depending on the clouds.

Luzula luzuloides rubella was a prominent feature along the track, and *Chamaecytisus hirsutus* and *Phyteuma orbiculare* were in flower. *Senecio alpinus* and *Adenostyles alliariae* were in leaf this year. *Chaerophyllum hirsutum* was especially lush, mostly pink flowered, and tall spikes of Alpine Sow-thistle were in bud. Some large open meadows boasted a great floral variety including Globeflowers, the very attractive orange *Crepis aurea*, Small White Orchids, Globe or Round-headed Orchids, *Ranunculus platanifolius*, and *Silene rupestris*. On one slope were many Elder-flowered Orchids, but both purple and yellow forms had mostly gone over this year. Under the trees was a different flora with species such as *Saxifraga rotundifolia* and *Anemone trifolia*.

Butterflies were fewer in evidence than is usual here, but included Green-veined White, Purple-edged Copper, Woodland Ringlet, Alpine Heath, and Olive Skipper. Among the moths were Speckled Yellow, Silver Ground Carpet, and Small Purple Barred. The constant clang of cow bells even drowned out the noise of the motorbikes back on the road.

Wet flushes were characterised by very many Alpine Marsh Orchids and the cottony heads of *Eriophorum angustifolium*. Here too were *Triglochin palustre* and *Pinguicula vulgaris*. Sedges were a feature today, among them *Carex paniculata*, *Carex panicea*, *Carex flava*, *Carex pallescens*, *Carex ornithopoda*, *Carex hirta*, *Carex davalliana* and *Carex ferruginea*.

Mindful of the previous year, when some very mischeivous cows had invaded our picnic site, I very carefully checked the whereabouts of the herd before setting out the lunch in the same place. Sure that we were safe this time, I couldn't believe it when just as lunch was almost ready the first cow appeared over the rise! And one by one they came. Many were very persistent, and we spent a memorable picnic fending off these pesky animals as they tried their hardest to pinch anything they could get!

Golden Eagle soared over the nearby refuge.

The afternoon saw us continuing further up the track, and setting out on foot, the weather now fine. Rock Speedwell was new, and *Clematis alpina* and *Moehringia muscosa* flowered under the trees. Frog Orchids were common and Bullfinches were much in evidence.

It was one flowery slope that supported all the best flowers here. There was *Gentianella germanica*, fine Alpine Asters, several fine Burnt-tip Orchids, more *Traunsteinera globosa*, Hair Sedge, and Rock Soapwort. We reached a grassy slope that afforded extensive views down to the Cadore valley, the slope yellow with *Ranunculus carinthiacus*.

Day 5 Monday 27th June

Passo di Giau

The hotel breakfast was again a fine selection. Despite the forecast and the initially complex skies it was dry all day and we enjoyed another superb day in the field. Today we headed up to the Passo di Giau, along a series of many hairpin bends, climbing through different altitudinal zones, the verges full of flowers.

Initially driving through forest and flower rich meadows, at about 2,000m we were above the tree line, with fine vistas all around. Common Spotted Orchids, *Oxytropis campestris*, *Gypsophila repens*, and *Orobanche gracilis* were among the many flowers on the roadsides. The road was already busy with cyclists and bikers. Ring Ouzel was seen shortly below the pass.

Having reached the pass we set out on foot and walked slowly towards the bulk of Nuvolau, enjoying stunning views down the valley to Cortina, and a sublime mountain backdrop in all directions. It took a long time to even get out of the car park, as the acid sward here held many fine flowers. The first plant to grab our attention was Alpine Pasque Flower still in flower, and also Spring Pasque Flower, and there was very much *Geum montanum* this year, and much *Androsace obtusifolia*. Spotted Gentians were just blooming and there were many Trumpet Gentians.

We moved very slowly along the narrow path admiring the fine floral show. The display of orchids was impressive, with Fragrant Orchids, Small White Orchids, and *Dactylorhiza majalis*. *Homogyne alpina* was here, the tiny *Thesium alpinum* was a good find, and the mats of Creeping Azalea were still in bloom this year. There were many *Soldanella pusilla*, of which we would see vast numbers today.

Eventually we reached limestone boulders that supported fine rock gardens. Among the beautiful species here were Pink Cinquefoil, *Saxifraga paniculata*, *Achillea clavennae*, Mossy Sandwort, Moss Champion, *Paederota bonarota*, *Phyteuma sieberi*, *Viola biflora*, *Draba dubia*, *Valeriana saxatilis*, *Daphne striata* and *Erigeron neglectus*. *Dryas octopetala* was commonly in flower and creeping here and there on the ground and rocks were Least Willow, Retuse-leaved Willow, and Thyme-leaved Willow.

Further along the geology changed and *Rhododendron ferrugineum* was replaced by *Rhododendron hirsutum*, a calcicole, and we found *Rhodothamnus chamaecistus* in abundant fine flower. *Ranunculus hybridus* with its distinctively shaped leaves was in flower this year, but a search failed to locate the *Pedicularis rosea* that we usually see here. *Pinus cembra* was a feature, Redpoll sang atop the larches, and wet flushes had much Bird's-eye Primrose.

The display flight song of Water Pipits was a constant accompaniment, we had distant views of Alpine Choughs, and Dewy Ringlet was on the wing. We made our way back to the refuge where we used the facilities.

I drove some way towards Cortina to get away from the crowds, mainly the cyclists and bikers. We found a suitable forest site where I set out the lunch. Among the plants here was *Anemone trifolia*.

Another stop just below the col usually has *Gentiana bavarica* and *Pedicularis recutita*, although neither was in flower this year. A rocky slope supported much Roseroot and there were swathes of *Soldanella pusilla*. There was also much *Primula minima* in flower.

Boulders on the other side of the pass had a few Edelweiss, a good find was *Primula auricula* still just in flower, and here too was the only *Nigritella rubra* seen this year.

At the last stop of the day were a few more of the special Single-leaved Bog Orchid, *Malaxis monophyllos*. Having walked to a picturesque small village, a great surprise came when we heard a Corncrake calling loudly from a tall grassy meadow, a species we had never recorded in the area before.

Day 6 Tuesday 28th June

Fedaia

Another superb day was spent exploring predominantly igneous rock outcrops near a refugio, to which we were driven in a four wheel drive by the refuge owners. The weather was superb all day, ideal for this excursion. We were driven up in two shifts. Whilst waiting for the second transfer, Rob, Julia, and I saw saw Crossbill, Chamois, Small Blue, and Dingy Skipper.

Once all together at the refuge we enjoyed the simply sublime views in all directions. There was much snow on Marmolada, and a whole complex series of peaks and valleys all around us. After a quick coffee etc. at the refuge we set out to explore. *Gentiana brachyphylla* was in amazing form here today, although the *Papaver aurantiacum* was only just coming into flower. There were *Draba aizoides*, *Arabis alpina*, *Linaria alpina*, and *Androsace obtusifolia*. Almost immediately the first King of the Alps was found in superb flower, and this always very special plant was extremely numerous up here today, more seen than ever before on the tour.

This was particularly appreciated by Rachel, it being her main target plant, never having seen it. The same acidic rocks had much *Saxifraga exarata*, *Minuartia recurva*, and *Silene exscapa*. There were several *Primula halleri* in flower.

Alpine Choughs were much in evidence around the refuge. Water Pipits sang, Black Redstart was a feature, and pleasingly both Snow Finches and Alpine Accentors were seen. Marmots were as always characterful.

Our walk was punctuated by many more flowers, especially on the rocky outcrops. *Minuartia sedoides* was in fine form, as were Trumpet Gentians and Net-leaved Willow, and *Artemisia genipi* was a pleasing find, although in leaf this year. King of the Alps continued superb. There were amazing numbers of Snowdon Lily this year, and much *Primula minima* in flower. Dewy Ringlets and Woodland Ringlets were on the wing.

At the furthest point we reached were superb *Geum reptans* and *Ranunculus glacialis*, and *Thlaspi rotundifolium* on one open slope. *Saxifraga depressa* and *Saxifraga oppositifolia* were both in flower. Also seen were Alpine Clubmoss, Chamois Cress, *Draba siliquosa*, and *Ligusticum mutellinoides*. Very fine cushions of *Androsace alpina* were a feature this year and there was also very much *Androsace vitaliana*. There were many more fine *Soldanella pusilla* and several *Soldanella alpina*. In the turf were *Ranunculus kuepferi* and *Pulsatilla alpina*.

We enjoyed a very good alpine lunch in the refuge and in the afternoon set out in the opposite direction from our morning walk. Among new species seen were Early Purple Orchids, *Saxifraga bryoides*, *Astragalus alpinus* and *Sempervivum montanum*. The boulders had much more King of the Alps. Interesting were several calcicoles on the acidic boulders and turf, such as *Sedum atratum carinthiacum*, *Potentilla nitida*, *Rhododendron hirsutum*, and *Daphne striata*. Marmots whistled and cavorted on the rocky slopes. The views of Marmolada continued sublime.

Back at the refuge there was the choice of taking the 4WD down, which most did, or to walk, which Cecilia and I opted for. On the way down we saw fine rosettes of *Sempervivum wulfenii*, and a number of Martagon Lilies in bud.

Day 7 Wednesday 29th June

Gares, San Lucano, and Agordo

A rather different day today saw us visiting some sites to the south at lower altitudes, which produced a wealth of new plants and butterflies. The weather was again fine and sunny.

Initially we drove past the large reservoir at Alleghe, to Gares where a small circular path leads through boulder strewn forest. The woods were full of ferns with Oak and Beech Fern being particularly common, *Dryopteris expansa*, and *Cystopteris sudetica* in fine form. Boulders had Yellow Wood Violets, Alpine Clematis, much Interrupted Clubmoss, *Rosa pendulina*, and fruiting Alpine Butterwort. There were some beautiful *Moneses uniflora* in flower. Herb Paris and *Chrysosplenium alternifolium* were under the trees, and a lone *Streptopus amplexifolius*. Comma was seen.

On the nearby river gravels were *Papaver aurantiacum*, *Parnassia palustris*, *Oxytropis jacquinii*, *Gypsophila repens*, and *Saxifraga rotundifolia*. The poppy was at rather a low altitude, the seed having been washed down by the river. After much searching I had almost given up on re-locating the very local endemic crucifer *Rhizobotrya alpina* that I had first found here two years ago. But Rachel had found something unusual, and returning to check that, which was indeed the *Rhizobotrya*, yielded another two plants as well. Although not a particularly striking plant it is a significant record, and is the only member of its genus. Clouded Apollo was a bonus.

Roadsides had almost black flowered *Phyteuma ovatum*, and *Phyteuma betonicifolium*. The meadows had many Orange Lilies, and one village had extremely robust *Campanula latifolia*, although this was in bud this year. Sweet William was in flower. Orange-tip was still on the wing, and a great find was an Asian Fritillary, a fine individual that we stayed with for some time, it taking a particular liking to Julia, settling on her for some minutes!

Next we continued south to San Lucano where very impressive sheer cliffs rise up on each side of the narrow verdant valley. The small lake here has been much 'sanitised', with a paved path and fences installed. Here I set out the lunch, which we enjoyed in this peaceful location, and even a group who arrived for a barbecue were quiet enough and friendly. Whilst I was setting out the picnic the group admired and photographed two superb Purple Emperors that were landing on the track, and on us.

Here were several things of interest, including *Melampyrum nemorosum*, *Lonicera alpigena*, Dark Red Helleborines, and *Gymnadenia odoratissima*. It was pleasing to see Woodland Brown here in what is another reliable site for this often scarce species. Swallowtail, White Admiral and Silver-washed Fritillary were here too. In the lake were a few Brown Trout, and Emperor Dragonflies patrolled.

Driving away from here a great surprise and highlight came when a Hazel Dormouse, abroad in the mid day sun, ran across the road in front of us. Some of us at least saw it well but briefly. Our next stop was a little further up the valley near the river which we potted slowly towards. The Ostrich Ferns here were very impressive being as tall as most of us, and Herb Paris grew in the woods. Idas Blue and Provencal Fritillary were among the butterflies.

A drive west of Agordo took us through more fine scenery and characterful villages, and Red-backed Shrike was seen.

A boulder near the hotel had various stonecrops including *Sedum telephium*, and Large Yellow Foxglove.

Day 8 Thursday 30th June Marmolada, Fedaia, and Serrai di Sottoguda

The weather was fine as we set out for Marmolada. In Sottoguda a brief shopping stop allowed a quick stroll around this interesting old village, with a collection of scarecrows a feature this year. A short drive took us over the Fedaia Pass and to the large reservoir at the base of Marmolada. As we walked towards the cage lift, on rocks were fine Alpine Butterwort in flower, many fine *Silene alpestris*, Net-leaved Willow, *Veronica aphylla*, *Achillea atrata*, and *Arabis bellidifolia*.

We all took the open cage lifts up to a refugio at 2626m. It's always a great experience standing in the open cages of this 'chair lift', either alone or in pairs, and admiring the superb vistas, and the changing vegetation below as one slowly ascends to the high alpine environment. There was of course still much snow on the mountain today, but much less than on recent visits and our exploration at the top was mainly on open limestone with only occasional snow patches, where recently the opposite has been the case. The sun shone and we were soon removing our extra layers, put on in anticipation of cold weather at this high altitude. Flowers seen on the way up included *Silene acaulis* and *Gentiana orbicularis*. Snow Finch met us at the top, later settling on the moving cables of the cage lift.

As always I insisted on an acclimatisation stop in the refuge, not a hardship as they serve very good tea, coffee, hot chocolate, and cakes! We admired the superb vistas all around, of the Sella group, Cuch, etc. Alpine Choughs were much in evidence.

After the refreshments and a general sense of delight at being in such a wonderful place, we set out for a short excursion across the snow and slopes to find some plants. Plants are always few and far between up here, but those we see are very special. Today they were somewhat backward, but there was very much of the very attractive *Thlaspi rotundifolium*, a lone *Arabis caerulea*, *Arabis bellidifolia*, and *Arabis alpina*. *Saxifraga oppositifolia* was in flower, but there was no *Saxifraga sedoides* or *Saxifraga androsacea* this year. *Salix serpyllifolia* formed mats, and Small Tortoiseshell was the only butterfly on the wing at this altitude.

Having enjoyed a marvellous visit to this different world, it was time to descend in the chair lift.

At a slightly lower altitude, we explored a meadow just below the Passo Fedaia. Marmots were much in evidence here, where is a strong colony. In the meadow were many showy plants including *Centaurea nervosa* in bud, very many Lesser Butterfly Orchids, *Nigritella rhellicani*, *Traunsteinera globosa*, Martagon Lilies, and Small White Orchids. There was a lone *Pedicularis tuberosa* in flower. Of note was a hybrid between *Nigritella rhellicani* and *Gymnadenia conopsea*. Osiris Blue was here and Yellowhammer sang continuously.

Nearby I set out the picnic, where on the slopes opposite were a number of St. Bruno's Lilies.

Another short drive took us to the Sottoguda gorge where we set out to walk the gorge. Things started fine but later came a thunder storm and we had to shelter in a cave from the remarkably heavy rain. Even the blue and white train could not rescue us! Rocks were festooned with *Saxifraga crustata*, together with fine *Paedarota bonarota*, *Phyteuma sieberi*, *Saxifraga caesia*, and Devil's Claw were all in bud. In the same community were *Kerneria saxatilis*, *Potentilla caulescens* (in leaf), and *Rhamnus pumila*. *Chrysosplenium alternifolium*, and *Lonicera alpigena* were among the many other plants, and some six Lady's Slippers were still in good flower. Before the rain came we saw several False Heath Fritillaries and a male Amanda's Blue. Lewes Wave was here, a moth extinct in Britain. Dipper frequented the stream.

We finished the walk in Sottoguda village and whilst everyone enjoyed an ice cream I walked back up to collect the mini-bus. I will admit I intended to take the motorised train back up, and had bought a ticket, but as I waited alone for it to depart, the driver suddenly leapt up and rushed away. Apparently he was a fireman and had been called away to an incident. So it was on foot that I went back up the gorge!

Back in the village, in the ice cream cafe, I found a rather wet Rob and Julia, who had been ahead of us and had no cave to shelter in as the rest of us did!

Day 9 Friday 1st July Falzarego, Valparola, Andraz, Belvedere, Caprile

A varied selection of sites on the last full day saw us first driving up to the Falzarego Pass, where we explored an area away from the very busy pass itself. Indeed the number of cyclists today had to be seen to be believed. There was a fine flora here, including much *Rhodothamnus chamaecistus*, *Pedicularis rosea*, and the only *Anemone baldensis* of the tour. I was very pleased to find the diminutive *Valeriana elongata*, with many on one rock face. Another great find was *Gentiana terglouensis* and here the *Gentiana clusii* was in bloom too. *Saxifraga androsacea* and *Achillea atrata* continued the variety. Mountain Green-veined White was on the wing. Rachel spotted two Nutcrackers working the grassy slopes, here above the tree line, and as we drove away she then spotted a soaring Golden Eagle too.

At another site we walked to a small lake where wet flushes had just one *Gentiana bavarica* in flower this year, and boulders had a few plants of Edelweiss. Only a few *Pedicularis rostratocapitata* were in flower but there were many *Pedicularis rosea*. The highlight here was superb *Chamorchis alpina*, at a site where we first found this always special species a few years ago.

I set out the lunch near Andraz Castle where wet flushes had *Juncus triglumis*, Woodland Ringlet was on the wing, and Nutcrackers were in more typical habitat. A walk to the castle itself yielded Large Blue and Sooty Copper.

The Belvedere viewpoint gave fine views down to Caprile, and several new plants such as *Linaria angustissima*, *Sorbus austriaca*, *Asplenium septentrionale*, *Peucedanum verticillare*, and *Juniperus sabina*. A lone Apollo was on the wing.

There followed a short stop to sort some practicalities in Caprile, and Crown Vetch was added to the list.

A last plant session before dinner completed the list of some 1,000 species! Dinner was as always excellent and we were all sad the trip had come to an end.

Day 10 Saturday 2nd July

Departure

An early start was necessary for the drive to Venice Airport, but as usual the excellent hotel had prepared an early breakfast for us. The journey went smoothly, and we arrived on schedule. We had enjoyed a superbly productive tour, and it had been a marvellous group, and we said our fond farewells before going our separate ways. Rob and Julia, and Miriam and Talma were flying today, whilst I drove Rachel and Cecilia to a very pleasant rural hotel for their extra day to explore Venice. I set off east to Slovenia where I was to spend a few days exploring a different part of that country to the one we usually visit.

Dolomites Systematic Lists 2016

Compiled by Paul Cardy

Itinerary

- Day 1.** Thursday 23rd June. Arrival. Venice to Claut.
- Day 2.** Friday 24th June. Cimoliana.
- Day 3.** Saturday 25th June. Claut, San Osvaldo, Vajont, Dont, Passo Duran, Rocca Pietore.
- Day 4.** Sunday 26th June. Staulanza. Fontanafredda.
- Day 5.** Monday 27th June. Passo di Giau. Posalz.
- Day 6.** Tuesday 28th June. Fedaia.
- Day 7.** Wednesday 29th June. Gares, San Lucano, West of Agordo.
- Day 8.** Thursday 30th June. Marmolada, Fedaia, Sottoguda.
- Day 9.** Friday 1st July. Falzarego, Valparola, Andraz, Belvedere, Caprile.
- Day 10.** Saturday 2nd July. Departure.

Systematic List Number 1 Plants

Nomenclature and systematic order follow 'Flora Alpina', by Aeschimann et al. Species recorded in previous years but not 2016 are annotated with the year in which they were last seen. Species added this year are annotated 2016.

A. PTERIDOPHYTA Ferns and their allies

Lycopodiaceae

<i>Huperzia selago</i>	Fir Clubmoss	Cimoliana.
<i>Lycopodium annotinum</i>	Interrupted Clubmoss	Cimoliana.
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	Cimoliana 2015.
<i>Diphasiastrum alpinum</i>	Alpine Clubmoss	Fedaia.

Selaginellaceae

<i>Selaginella selaginoides</i>	Lesser Clubmoss	Moist limey turf and rocks, Passo di Giau, Cimoliana, and Serrai di Sottoguda.
<i>Selaginella helvetica</i>	Swiss Clubmoss	Moist mossy rocks/walls in Serrai di Sottoguda, Cimoliana, and Gares.

Equisetaceae

<i>Equisetum hyemale</i>	Dutch Rush	San Lucano 2012.
<i>Equisetum variegatum</i>	Variiegated Horsetail	Scattered records, e.g. San Lucano.
<i>Equisetum fluviatile</i>	Water Horsetail	Fontanafredda etc.
<i>Equisetum palustre</i>	Marsh Horsetail	Settimana etc.
<i>Equisetum arvense</i>	Common Horsetail	Scattered records, e.g. Cimoliana, Gares.
<i>Equisetum telmateia</i>	Giant Horsetail	Marsh Helleborine site.

Ophioglossaceae

<i>Botrychium lunaria</i>	Moonwort	Giau, Fedaia, Fontanafredda, etc.
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Polypodiaceae

<i>Adiantum capillis-veneris</i>	Maidenhair Fern	Sottoguda Gorge.
<i>Polypodium vulgare</i>	Common Polypody	Cimoliana, San Lucano, Sottoguda, Giau, etc.
<i>Pteridium aquilinum</i>	Bracken	Fontanafredda, Claut area, Gares, Duran, etc.
<i>Oreopteris limbosperma</i>	Lemon-scented Fern	San Osvaldo 2013.
<i>Phegopteris connectilis</i>	Beech Fern	Common at Claut, Gares, Fontanafredda, Cimoliana, etc.
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	Rocks at San Lucano, Gares, Giau, Friulani etc.
<i>Asplenium viride</i>	Green Spleenwort	Limestone ledges and boulders on Passo di Giau, Fontanafredda, Serrai di Sottoguda, Settimana, Cimoliana, and at Gares.
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	Dolomiti Friulani.
<i>Asplenium onopteris</i>	Western Black Spleenwort	Serrai di Sottaguda and Gares 2010.
<i>Asplenium septentrionale</i>	Forked Spleenwort	Belvedere.
<i>Asplenium seelosii</i>	a spleenwort	Cimoliana 2014.
<i>Asplenium ruta-muraria</i>	Wall-rue	Rocks at Fontanafredda, Cimoliana, Claut, Giau, Gares, and Sottoguda.
<i>Athyrium filix-femina</i>	Lady-fern	Forest at Settimana, Fontanafredda, Cimoliana, and Gares.
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Sheltered rocks at Fontanafredda, Cimoliana, Serrai di Sottoguda, Gares, foot of Marmolada chairlift, etc.
<i>Cystopteris alpina</i>	Alpine Bladder-fern	Recorded in the past.
<i>Cystopteris sudetica</i>	a bladder-fern	Some fine examples at Gares.
<i>Woodsia pulchella</i>	a woodsia	Calcareous rocks below Passo di Giau, 2015.
<i>Gymnocarpium dryopteris</i>	Oak Fern	Rocky forest at Cimoliana, Gares etc.

<i>Gymnocarpium robertianum</i>	Limestone Fern	Cimoliana etc., locally common
<i>Matteucia struthiopteris</i>	Ostrich Fern	San Lucano, Gares valley.
<i>Polystichum lonchitis</i>	Holly Fern	Cimoliana and Sottoguda Gorge.
<i>Polystichum aculeatum</i>	Hard Shield Fern	Claut.
<i>Polystichum setiferum</i>	Soft Shield Fern	Cimoliana.
<i>Dryopteris filix-mas</i>	Male Fern	Cimoliana.
<i>Dryopteris affinis</i>	Scaly Male Fern	Scattered records, e.g. Sottoguda.
<i>Dryopteris villarii</i>	Mountain Fern	Cimoliana 2012.
<i>Dryopteris dilatata</i>	Broad Buckler-fern	Scattered records.
<i>Dryopteris expansa</i>	Northern Buckler-fern	Gares.

B. CONIFEROPSIDA Conifer trees and their allies

Pinaceae

<i>Abies alba</i>	Silver Fir	Cimoliana.
<i>Picea abies</i>	Norway Spruce	Widespread – main forest dominant at mid-altitudes.
<i>Larix decidua</i>	European Larch	Frequent in middle altitudes, locally dominant just below treeline.
<i>Pinus nigra</i>	Austrian Pine	Dolomiti Friulani.
<i>Pinus sylvestris</i>	Scots Pine	Forest at middle altitudes, e.g. Friulani.
<i>Pinus mugo</i>	Dwarf Mountain Pine	Often dominant 1800-2100m (higher on Marmolada), and locally down to middle levels in the understorey.
<i>Pinus cembra</i>	Arolla Pine	Scattered, mostly at high altitude, often with latter e.g. Passo di Giau, Valles.

Cupressaceae

<i>Cupressus sempervirens</i>	Italian Cypress	Roadsides lower down.
<i>Juniperus communis communis</i>	Juniper	Dolomiti Friulani etc.
<i>Juniperus communis alpina</i>		Passo di Giau etc.
<i>Juniperus sabina</i>	Savin	Belvedere, Andraz,g and Rocca Pietore.

C. ANGIOSPERMS - DICOTYLEDONES

Aristolochiaceae

<i>Asarum europaeum</i>	Asarabacca	In leaf at Col San Osvaldo.
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Ranunculaceae

<i>Helleborus viridis</i>	Green Hellebore	Leaves at San Boldo 2010.
<i>Trollius europaeus</i>	Globeflower	Widespread, common in meadows at all levels e.g. Fontanafredda, Passo di Giau, Duran, Cimoliana, and Passo Staulanza.
<i>Actaea spicata</i>	Baneberry	Leaves Cimoliana.
<i>Caltha palustris</i>	Marsh Marigold	Common at Fontanafredda, Duran, and Passo di Giau.
<i>Aconitum lycoctonum</i>	Wolfsbane	Widespread, e.g. Claut. [ssp. <i>neapolitanum</i>]
<i>Aconitum anthora</i>		Leaves noted 2014.
<i>Aconitum napellus</i>	Monk's-hood	In leaf.
<i>Delphinium dubium</i>		Leaves noted.
<i>Anemone trifolia</i>	a wood-anemone	Locally common in flower, e.g. Duran, Fontanafredda, and Cimoliana.
<i>Anemone baldensis</i>	Monte Baldo Anemone	Valparola, several still in flower this year.
<i>Hepatica nobilis</i>	Hepatica	Forest at Fontanafredda, Posalz and in Serrai di Sottoguda. All in leaf. Also Dolomiti Friulani and Gares.

<i>Pulsatilla alpina</i>	Alpine Pasque Flower	Widespread and common above 1500m e.g. Fontanafredda (in fruit), Fedaia, and Passo di Giau.
<i>Pulsatilla vernalis</i>	Spring Pasque Flower	Passo di Giau and Fedaia.
<i>Clematis vitalba</i>	Traveller's-joy	In flower on lower roadsides.
<i>Clematis alpina</i>	Alpine Clematis	Forest margins and boulder-scrub at Fontanafredda, Passo di Giau, foot of Marmolada chairlift, Cimoliana, and Gares.
<i>Ranunculus tuberosus</i>	a buttercup	Cimoliana, Fontanafredda, Settimana Sottoguda.
<i>Ranunculus repens</i>	Creeping Buttercup	Scattered.
<i>Ranunculus lanuginosus</i>	a buttercup	Fontanafredda grassy slope etc.
<i>Ranunculus acris</i>	Meadow Buttercup	Widespread at higher altitudes.
<i>Ranunculus carinthiacus</i>	a buttercup	
<i>Ranunculus montanus</i>	a buttercup	
<i>Ranunculus venetus</i>	a buttercup	
<i>Ranunculus breyninus</i>	a buttercup	
<i>Ranunculus sardous</i>	Hairy Buttercup	Cimoliana 2010.
<i>Ranunculus auricomus</i>	Goldilocks	Fontanafredda 2009.
<i>Ranunculus hybridus</i>	Hybrid Buttercup	In flower at Giau.
<i>Ranunculus platanifolius</i>	a buttercup	Common in woods at mid levels e.g. Fontanafredda, Gares, San Lucano, and below Giau.
<i>Ranunculus glacialis</i>	Glacier Crowfoot	Several in flower at Fedaia.
<i>Ranunculus kuepferi</i>	a buttercup	Passo di Giau and Fedaia
<i>Aquilegia vulgaris</i>	Common Columbine	San Lucano.
<i>Aquilegia atrata</i>	Dark Columbine	Scattered records, e.g. Cimoliana.
<i>Aquilegia einseleana</i>	a columbine	Val Cimoliana and Settimana, locally common.
<i>Thalictrum aquilegifolium</i>	Great Meadow-Rue	Cimoliana, Gares, Sottoguda, and Fedaia.
<i>Thalictrum minus</i>	Lesser Meadow-rue	Scrubby ground in Serrai di Sottoguda, and Cimoliana. Locally common Dolomiti Friulani.
Berberidaceae		
<i>Berberis vulgaris</i>	Barberry	Cimoliana, and Gares.
Papaveraceae		
<i>Papaver rhoeas</i>	Corn Poppy	Lower altitude roadsides, and Cimoliana upper car park.
<i>Papaver aurantiacum</i>	Alpine Poppy	Valparola, Gares, and Fedaia.
<i>Chelidonium majus</i>	Greater Celandine	Caprile and Claut 2015.
<i>Eschscholtzia californica</i>	California Poppy	Naturalised locally on roadsides, 2014.
Ulmaceae		
<i>Ulmus glabra</i>	Wych Elm	Dolomiti Friulani.
<i>Ulmus minor</i>	an elm	Dolomiti Friulani.
<i>Celtis australis</i>	Nettle-tree	Venice area.
Moraceae		
<i>Ficus carica</i>	Fig	Roadsides near Venice.
Urticaceae		
<i>Urtica dioica</i>	Stinging Nettle	Widespread.
<i>Urtica urens</i>	Annual Nettle	Cimoliana upper rocks (eutrophied!).
<i>Parietaria officinalis</i>	Common Pellitory	
Juglandaceae		
<i>Juglans regia</i>	Walnut	Cimolais.

Fagaceae

Fagus sylvatica Beech The typical forest dominant below 1500m.

Betulaceae

Betula pendula Silver Birch Dolomiti Friulani.
Alnus viridis Green Alder Often forming low scrub on the treeline, but also on forest edges lower down e.g. Fontanafredda, Cimoliana, below Passo di Giau, and Passo di Fedaia.
Alnus incana Grey Alder San Lucano, Gares, Vajont, etc.
Carpinus betulus Hornbeam Local, e.g. Cimoliana.
Ostrya carpinifolia Hop Hornbeam Locally common in Dolomiti Friulani and Longarone area.
Corylus avellana Hazel Widespread.

Chenopodiaceae

Chenopodium bonus-henricus Good King Henry Cattle-frequented margins at Fontanafredda, Cimoliana, and by car-parks at Passo di Giau etc.
Chenopodium album Fat Hen Caprile.
Atriplex patula Common Orache Cimoliana 2012.

Caryophyllaceae

Arenaria huteri a sandwort Cimoliana, endemic. In fine flower on lower cliffs and river gravels.
Arenaria biflora a sandwort Fedaia p.m., 2012.
Arenaria serpyllifolia Thyme-leaved Sandwort Caprile.
Moehringia trinervia Three-veined Sandwort Forest at Fontanafredda, 2010.
Moehringia muscosa Mossy Sandwort Mossy boulders etc., in forest at Gares, Fontanafredda and Cimoliana etc.
Moehringia ciliata a sandwort Gares gravels and Valparola.
Moehringia bavarica a sandwort Fedaia 2012.
Minuartia recurva Sickle-leaved Sandwort Locally common on acid rocks, e.g. Fedaia.
Minuartia austriaca a sandwort Valparola.
Minuartia verna verna Spring Sandwort Foot of Marmolada chairlift, Fedaia, and Giau rocks, etc.
Minuartia verna collina Apparently this subspecies at Fedaia and Gares?
Minuartia sedoides Mossy Cyphel Passo di Giau and Fedaia.
Stellaria nemorum Wood Stitchwort Fontanafredda and Gares.
Stellaria media Common Chickweed Sottoguda.
Stellaria holostea Greater Stitchwort Duran 2014.
Stellaria graminea Lesser Stitchwort Dry meadows at Fontanafredda, Settimana, San Osvaldo, and Cimoliana.
Cerastium cerastoides Starwort Mouse-ear Giau, 2016.
Cerastium tomentosum Snow-in-Summer Naturalised at Andraz.
Cerastium arvense Field Mouse-ear Widespread.
Cerastium alpinum Alpine Mouse-ear Cimoliana.
Cerastium uniflorum a mouse-ear Fedaia, in leaf.
Cerastium latifolium a mouse-ear Marmolada, in leaf.
Cerastium carinthiacum ssp. *australpinum* Passo di Giau, in leaf this year.
Cerastium subtriflorum a mouse-ear Cimoliana gravels.
Cerastium fontanum Common Mouse-ear Scattered in lower meadows, e.g. Cimoliana.
Cerastium glomeratum Sticky Mouse-ear Fontanafredda and Gares.
Myosoton aquaticum Water Chickweed Settimana 2012.
Sagina saginoides Alpine Pearlwort Fontanafredda.
Sagina procumbens Procumbent Pearlwort Sottoguda 2012.
Scleranthus annuus Annual Knawel Fontanafredda.
Silene coronaria Caprile 2010. 2012 near Vajont.

<i>Silene flos-cuculi</i>	Ragged Robin	Col San Osvaldo and Cimoliana meadows.
<i>Silene italica</i>	Italian Catchfly	Recorded.
<i>Silene nutans</i>	Nottingham Catchfly	Scattered records.
<i>Silene vulgaris</i>	Bladder Campion	Widespread.
<i>Silene saxifraga</i>	a catchfly	Cimoliana upper cliffs 2015. Site not reached due to climbers there this year.
<i>Silene acaulis</i>	Moss Campion	Limestone boulders and ledges on Passo Giau.
<i>Silene exscapa</i>	a moss campion	On acidic substrates, e.g. Fedaia.
<i>Silene rupestris</i>	Rock Campion	Rocks and ledges e.g. Fontanafredda, Passo di Giau, Feadaia, and Dolomiti Friulani.
<i>Silene pusilla</i>	Alpine Catchfly	Foot of Marmolada chairlift and Dolomiti Friulani.
<i>Silene veselskyi</i>	a catchfly	Cimoliana.
<i>Silene dioica</i>	Red Campion	Widespread.
<i>Gypsophila repens</i>	Alpine Gypsophila	Widespread and locally common, e.g. Gares, Claut, and Settimana.
<i>Saponaria ocymoides</i>	Rock Soapwort	Fontanafredda.
<i>Saponaria officinalis</i>	Soapwort	Roadsides.
<i>Petrorhagia saxifraga</i>	Tunic Flower	San Lucano, Sottoguda, Dolomiti Friulani.
<i>Dianthus barbatus</i>	Sweet William	Gares Valley.
<i>Dianthus sternbergii</i>	a fringed pink	Val Cimoliana.
<i>Dianthus sylvestris</i>	Wood Pink	Andraz, Belvedere, and Vajont.
<i>Dianthus superbus</i>	Fringed Pink	Near Gares, and Valles roadsides, 2015.
Polygonaceae		
<i>Polygonum aviculare</i>	Common Knotgrass	Verges at Fontanafredda etc.
<i>Polygonum bistorta</i>	Bistort	Recorded.
<i>Polygonum viviparum</i>	Alpine Bistort	Grassland at Fontanafredda, Staulanza, Passo di Giau, Fedaia, and Dolomiti Friulani.
<i>Fallopia convolvulus</i>	Black Bindweed	Val Cimoliana 2010.
<i>Oxyria digyna</i>	Mountain Sorrel	Scree on Col de Cuch and Passo di Giau 2010. Fedaia 2014.
<i>Rumex acetosella</i>	Sheep's Sorrel	Fedaia.
<i>Rumex scutatus</i>	French Sorrel	Passo di Fedaia, and Dolomiti Friulani.
<i>Rumex alpestris</i>	Mountain Dock	Fontanafredda and Giau.
<i>Rumex acetosa</i>	Common Sorrel	Widespread.
<i>Rumex alpinus</i>	Monk's Rhubarb	Frequent in eutrophied pasture, etc., e.g. Fontanafredda and Passo di Fedaia.
<i>Rumex crispus</i>	Curled Dock	Recorded.
<i>Rumex conglomeratus</i>	Clustered Dock	Cimoliana 2016.
<i>Rumex obtusifolius</i>	Broad-leaved Dock	Recorded.
Plumbaginaceae		
<i>Armeria alpina</i>	Mountain Thrift	Falzarego and Marmolada.
Hypericaceae		
<i>Hypericum montanum</i>	Pale St. John's-wort	Dolomiti Friulani, in leaf.
<i>Hypericum maculatum</i>	Imperforate St. John's-wort	In leaf.
<i>Hypericum perforatum</i>	Common St John's-wort	Dolomiti Friulani.
Tiliaceae		
<i>Tilia platyphyllos</i>	Large-leaved Lime	
<i>Tilia cordata</i>	Small-leaved Lime	
Malvaceae		
<i>Malva alcea</i>	Hollyhock Mallow	Vajont 2012.
<i>Malva sylvestris</i>	Common Mallow	Roadsides lower down.

Cistaceae

<i>Helianthemum nummularium</i>	Common Rockrose	Dolomiti Friulani, Fontanafredda etc.
<i>Helianthemum alpestre</i>	Alpine Rockrose	Passo di Giau.
<i>Helianthemum canum canum</i>	Hoary Rockrose	Limestone rocks at Fontanafredda.

Violaceae

<i>Viola riviniana</i>	Common Dog Violet	Fontanafredda.
<i>Viola canina</i>	Heath Dog Violet	Fontanafredda 2010.
<i>Viola palustris</i>	Bog Violet	In flower at Fontanafredda.
<i>Viola biflora</i>	Yellow Wood Violet	Widespread in shade and among rocks e.g. at Fontanafredda, Passo di Giau, Fedaia, Gares, Cimoliana.
<i>Viola tricolor</i>	Heartsease	Rocca Pietore.
<i>Viola arvensis</i>	Field Pansy	Belvedere.
<i>Viola kitaibeliana</i>	Dwarf Pansy	Cimolais 2011.

Tamaricaceae

<i>Myricaria germanica</i>	German Tamarisk	River gravels at Caprile, 2012.
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Salicaceae

<i>Salix pentandra</i>	Bay Willow	Gares.
<i>Salix alba</i>	White Willow	San Lucano and roadsides lower down.
<i>Salix reticulata</i>	Net-leaved Willow	Frequent on limestone rocks and screes on Passo di Giau, Fedaia, Valparola, and foot of Marmolada chairlift.
<i>Salix herbacea</i>	Least Willow	Drier exposed acidic ridges Fedaia, Passo di Giau, and Valparola.
<i>Salix retusa</i>	Retuse-leaved Willow	Limestone, Passo di Giau, and Fedaia.
<i>Salix serpyllifolia</i>	Thyme-leaved Willow	Passo di Giau, Fedaia.
<i>Salix breviserrata</i>	Finely-toothed Willow	Limestone boulder waste and scree on Passo di Giau.
<i>Salix alpina</i>	a willow	Scree and rocks high on Fedaia, Giau, and Marmolada.
<i>Salix glaucosericea</i>	Silky Willow	Grassy slopes below Refugio Fredarola, 2010.
<i>Salix myrsinifolia</i>	Dark-leaved Willow	Scattered records at mid-altitudes, e.g. Cimoliana.
<i>Salix mielichhoferi</i>	a willow	Marmolada, Giau.
<i>Salix glabra</i>	Alpine Willow	Scattered records, e.g. Cimoliana and Vajont.
<i>Salix appendiculata</i>	an alpine willow	San Lucano.
<i>Salix cinerea</i>	Grey Willow	Forest edge at Fontanafredda, San Lucano, Dolomiti Friulani.
<i>Salix caprea</i>	Goat Willow	
<i>Salix foetida</i>	Fishy Willow	
<i>Salix waldsteiniana</i>	a willow	Dolomiti Friulani, locally common.
<i>Salix hastata</i>	Large-stipuled Willow	Col de Cuch 2010.
<i>Salix elaeagnos</i>	a willow	River gravels of San Lucano, and Dolomiti Friulani.
<i>Salix purpurea</i>	Purple Osier	Scattered, e.g. San Lucano, Vajont, and Dolomiti Friulani.
<i>Populus alba</i>	White Poplar	Towards Venice.
<i>Populus tremula</i>	Aspen	Forest edges San Lucano, Dolomiti Friulani, etc.

Brassicaceae

<i>Descurainia sophia</i>	Flixweed	Gares 2014.
<i>Erysimum rhaeticum</i>	a Treacle Mustard	Andraz, Fedaia, Sottoguda.
<i>Barbarea vulgaris</i>	Common Winter-cress	Fontanafredda.
<i>Armoracia rusticana</i>	Horse-radish	Caprile 2010.

<i>Cardamine pentaphyllos</i>	Five-leaflet Bittercress	Leaves in Sottoguda.
<i>Cardamine enneaphyllos</i>	Drooping Bittercress	In fruit at Cimoliana.
<i>Cardamine amara</i>	Large Bittercress	Spring marsh at Fontanafredda, Gares, and gully at Passo di Giau, etc.
<i>Cardamine resedifolia</i>	Mignonette-leaved Bittercress	Giau and Fedaia.
<i>Cardamine impatiens</i>	Fine-leaved Bittercress	Sottoguda.
<i>Cardaminopsis halleri</i>		Fontanafredda 2009.
<i>Arabis hirsuta</i>	Hairy Rock-cress	Recorded.
<i>Arabis turrata</i>	Tower Cress	Recorded.
<i>Arabis caerulea</i>	Blue Arabis	Marmolada, only 1 in flower this year.
<i>Arabis bellidifolia</i>	a rockcress	Marmolada, Sottoguda, Falzarego, Giau.
<i>Arabis subcoriacea</i>	a rockcress	Below Giau 2015.
<i>Arabis alpina</i>	Alpine Rockcress	Fedaia, Marmolada, Gares.
<i>Arabis</i> sp.	a rockcress	Another species at San Osvaldo.
<i>Draba aizoides</i>	Yellow Whitlow Grass	Fedaia.
<i>Draba hoppeana</i>	a whitlow grass	This was the species in flower on Marmolada, 2015.
<i>Draba dolomitica</i>	a whitlow grass	Sella Cable Car 2008.
<i>Draba siliquosa</i>	Carinthian Whitlow Grass	1 plant at Fedaia.
<i>Draba dubia</i>	Austrian Whitlow Grass	Passo di Giau, and Fedaia.
<i>Draba fladnizensis</i>	Arctic Draba	1 at Fedaia, 2014.
<i>Kerneria saxatilis</i>	Kerneria	Andraz and Giau.
<i>Rhizobotrya alpina</i>		3 plant on Gares gravels, where first found two years ago. Central Alps endemic.
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Scattered, e.g. Rocca Pietore.
<i>Pritzelago alpina</i>	Chamois Cress	Cimoliana, Fedaia, Passo di Giau, and Gares river gravel.
<i>Hymenolobus pauciflorus</i>		Cimoliana.
<i>Thlaspi arvense</i>	Field Pennycress	Recorded 2012.
<i>Thlaspi rotundifolium</i>	Round-leaved Pennycress	Many in flower Marmolada, also Fedaia and Gares gravels.
<i>Aethionema saxatile</i>	Burnt Candytuft	Claut dinosaur footprint site.
<i>Biscutella laevigata</i>	Buckler Mustard	Rocky meadows e.g. Fontanafredda, Passo di Giau, Fedaia, and Friulani.
<i>Diplotaxis muralis</i>	Annual Wall-rocket	Caprile gravels 2012.
Resedaceae		
<i>Reseda lutea</i>	Yellow Mignonette	Cimoliana.
Ericaceae		
<i>Erica carnea</i>	Spring Heath	Widespread in open forest at Fontanafredda, in boulder waste on Passo di Giau, and Dolomiti Friulani. Many in flower this year.
<i>Calluna vulgaris</i>	Heather or Ling	Fontanafredda.
<i>Rhododendron ferrugineum</i>	Alpenrose	Patches on more leached grassland at Passo di Giau, where numerous, Fedaia, and Fontanafredda.
<i>Rhododendron hirsutum</i>	Hairy Alpenrose	Local on limestone e.g. Passo di Giau, Marmolada, Serrai di Sottoguda, and common in Dolomiti Friulani.
<i>Rhodothamnus chamaecistus</i>	Dwarf Alpenrose	Boulder waste on Passo di Giau, many in flower this year, and Falzarego.
<i>Loiseleuria procumbens</i>	Creeping Azalea	In flower this year on Passo di Giau.
<i>Arctostaphylos uva-ursi</i>	Bearberry	In leaf Cimoliana.
<i>Vaccinium vitis-idaea</i>	Cowberry	Scattered in forest at Fontanafredda
<i>Vaccinium uliginosum</i>	Bog Whortleberry	Cimoliana, Giau, and Gares etc.
		Scattered on leached grassland on Passo di Giau, Valparola, and Fontanafredda.

<i>Vaccinium myrtillus</i>	Bilberry	Forest at Fontanafredda and among boulders on Passo di Giau. Also Dolomiti Friulani.
Pyrolaceae		
<i>Pyrola minor</i>	Lesser Wintergreen	Valparola, Gares in flower.
<i>Pyrola media</i>	Intermediate Wintergreen	Noted in fruit 2014.
<i>Pyrola rotundifolia</i>	Round-leaved Wintergreen	Below Staulanza. Fine at Cimoliana.
<i>Orthilia secunda</i>	Nodding Wintergreen	Below Staulanza.
<i>Moneses uniflora</i>	One-flowered Wintergreen	Below Staulanza and Gares.
<i>Monotropa hypopitys</i>	Yellow Bird's-nest	San Osvaldo 2011.
Primulaceae		
<i>Primula elatior</i>	Oxlip	1 in flower at Giau.
<i>Primula veris</i>	Cowslip	Gone over this year.
<i>Primula farinosa</i>	Bird's-eye Primrose	Cimoliana, Passo di Giau, Fontanafredda, etc.
<i>Primula halleri</i>	Long-flowered Primrose	Several on Fedaia.
<i>Primula glutinosa</i>	a primrose	Many in fine flower at S.Pellegrino in 2014.
<i>Primula minima</i>	Least Primrose	Many in flower Passo di Giau and Fedaia.
<i>Primula auricula</i>	Bear's-ear	1 still in flower below Passo di Giau, others in fruit
<i>Androsace vitaliana</i>	Vitaliana	Many in flower at Fedaia.
<i>Androsace obtusifolia</i>	Blunt-leaved Rock-jasmine	Common on Fedaia, also Giau.
<i>Androsace villosa</i>	a rock-jasmine	This species at Fedaia, but apparently on acidic substrate? 2014.
<i>Androsace alpina</i>	Alpine Rock-jasmine	Several at Fedaia, in fine flower.
<i>Soldanella pusilla</i>	Dwarf Snowbell	Abundantly in flower Passo di Giau. Common at Fedaia.
<i>Soldanella minima</i>	Least Snowbell	Several at Falzarego.
<i>Soldanella alpina</i>	Alpine Snowbell	Falzarego, Passo di Giau, and Fedaia.
<i>Cyclamen purpurascens</i>	Sowbread	Dolomiti Friulani.
<i>Lysimachia nummularia</i>	Creeping Jenny	At the service station on the last day.
<i>Anagallis arvensis</i>	Scarlet Pimpernel	Venice airport etc.
Crassulaceae		
<i>Sempervivum wulfenii</i>		Several in leaf at Fedaia.
<i>Sempervivum arachnoideum</i>	Cobweb Houseleek	Scattered on rocks 2014.
<i>Sempervivum montanum</i>	Mountain Houseleek	Fedaia.
<i>Sempervivum dolomiticum</i>	Dolomitic Houseleek	Ledges on Passo di Giau in the past. In flower at Fedaia 2012.
<i>Sedum telephium</i>	Orpine	Belvedere and Rocca Pietore, in leaf.
<i>Sedum montanum</i>	a stonecrop	Rocca Pietore.
<i>Sedum rupestre</i>	Rock Stonecrop	In leaf.
<i>Sedum acre</i>	Biting Stonecrop	Scattered, e.g. Cimoliana.
<i>Sedum alpestre</i>	a stonecrop	Giau.
<i>Sedum sexangulare</i>	a stonecrop	In leaf at Cimoliana and Vajont.
<i>Sedum album</i>	White Stonecrop	Rocca Pietore.
<i>Sedum dasyphyllum</i>	Thick-leaved Stonecrop	Rocca Pietore.
<i>Sedum atratum</i>	Dark Stonecrop	Both nominate (Fontanafredda) and ssp. <i>carinthiacum</i> (Fedaia).
<i>Rhodiola rosea</i>	Roseroot	Locally common, e.g. Passo di Giau, Fedaia.
Saxifragaceae		
<i>Saxifraga rotundifolia</i>	Round-leaved Saxifrage	Rocky forest at Fontanafredda, Gares, and Cimoliana.
<i>Saxifraga caesia</i>	Blue Saxifrage	Sottoguda gorge, Marmolada, and Valparola.

<i>Saxifraga squarrosa</i>	a saxifrage	Cimoliana river gravels.
<i>Saxifraga oppositifolia</i>	Purple Saxifrage	In flower at Fedaia and Marmolada.
<i>Saxifraga crustata</i>	Encrusted Saxifrage	Sottoguda gorge and Gares.
<i>Saxifraga hostii</i>	a saxifrage	2010, many fine examples on Monte Grappa. 2016 rosettes near Avoscan.
<i>Saxifraga paniculata</i>	Livelong Saxifrage	Widespread and locally common.
<i>Saxifraga bryoides</i>	Mossy Saxifrage	A few at Fedaia, in bud.
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	By stream below Passo di Giau, and scattered elsewhere, e.g. Settimana, Falzarego, and Gares.
<i>Saxifraga exarata</i>	Musky Saxifrage	Common on ledges on Passo di Giau, and Fedaia. [sspp. <i>exarata</i> and <i>moschata</i>]
<i>Saxifraga androsacea</i>	Scree Saxifrage	1 at Falzarego.
<i>Saxifraga depressa</i>	a saxifrage	Several in flower on Fedaia.
<i>Saxifraga facchini</i>	a saxifrage	Crevice and scree high on Marmolada 2012.
<i>Saxifraga sedoides</i>	a saxifrage	Marmolada, several in flower 2015.
<i>Chrysoplenium alternifolium</i>	Alternate-leaved Golden-saxifrage	Gares and Sottoguda.
<i>Parnassia palustris</i>	Grass-of-Parnassus	Gares gravels and Fedaia.
<i>Ribes petraeum</i>	Rock Redcurrant	Serrai di Sottoguda, Andraz, Gares, and below Fedaia. Not noted 2015 or 2016!
Rosaceae		
<i>Spiraea decumbens</i>	a spiraea	sspp. <i>decumbens</i> and <i>hacquetii</i> at Cimoliana.
<i>Aruncus dioicus</i>	Goatsbeard Spiraea	Widespread.
<i>Filipendula vulgaris</i>	Dropwort	Cimoliana.
<i>Filipendula ulmaria</i>	Meadowsweet	Venice roadsides.
<i>Rubus fruticosus</i> agg.	Bramble	Scattered records.
<i>Rubus saxatilis</i>	Rock Bramble	Cimoliana and San Lucano.
<i>Rubus idaeus</i>	Raspberry	Dolomiti Friulani and Fontanafredda.
<i>Rubus phoenicolasius</i>	a bramble	San Lucano 2010.
<i>Rubus caesius</i>	Dewberry	Cimoliana.
<i>Rosa glauca</i>	Blue-leaved Rose	Cimoliana, Rocca Pietore, Belvedere.
<i>Rosa pendulina</i>	Alpine Rose	Gares.
<i>Rosa montana</i>	Mountain Rose	Scattered, e.g. Posalza, Cimoliana, and Gares.
<i>Rosa canina</i>	Dog Rose	Settimana etc.
<i>Rosa tomentosa</i>	Harsh Downy-rose	Sottoguda.
<i>Agrimonia eupatoria</i>	Agrimony	Drier verges at lower altitudes.
<i>Aremonia agrimonoides</i>	Bastard Agrimony	Settimana 2013.
<i>Sanguisorba minor</i>	Salad Burnet	Vajont.
<i>Dryas octopetala</i>	Mountain Avens	Widespread on limestone. Passo di Giau, Staulanza, Fedaia, Falzarego, Valles, Marmolada, and Dolomiti Friulani.
<i>Geum reptans</i>	Creeping Avens	Fedaia in fine flower.
<i>Geum montanum</i>	Mountain Avens	Numerous on Passo di Giau and Fedaia. Also Fontanafredda.
<i>Geum rivale</i>	Water Avens	Scattered records, e.g. Cimoliana.
<i>Geum urbanum</i>	Herb Bennet	Rocca Pietore.
<i>Potentilla anserina</i>	Silverweed	Caprile 2013.
<i>Potentilla recta</i>	Sulphur Cinquefoil	San Lucano 2010.
<i>Potentilla crantzii</i>	Alpine Cinquefoil	Limestone grassland at Fontanafredda, Giau, etc.
<i>Potentilla aurea</i>	Golden Cinquefoil	Widespread and common in more acid grassland and margins of forest. E.g. Fontanafredda.
<i>Potentilla neumanniana</i>	a cinquefoil	
<i>Potentilla erecta</i>	Tormentil	Widespread, e.g. Cimoliana.
<i>Potentilla reptans</i>	Creeping Cinquefoil	Cimoliana.
<i>Potentilla caulescens</i>	Lax Potentilla	Rocks in Serrai di Sottoguda and Cimoliana, in leaf.

<i>Potentilla nitida</i>	Pink Cinquefoil	Quite common on limestone boulders on and below Passo di Giau, in fine flower. In leaf Valparola.
<i>Sibbaldia procumbens</i>	Sibbaldia	A few S.Pellegrino 2014.
<i>Fragaria vesca</i>	Wild Strawberry	Shade at mid-levels.
<i>Fragaria moschata</i>	a strawberry	Recorded.
<i>Fragaria viridis</i>	a strawberry	Dry grassland and forest edge at Cimoliana etc.
<i>Alchemilla alpina</i>	Alpine Lady's-mantle	Passo di Giau.
<i>Alchemilla splendens</i>	a lady's-mantle	Cimoliana.
<i>Alchemilla hybrida</i>	a lady's-mantle	Passo di Giau.
<i>Alchemilla xanthochlora</i>	a lady's-mantle	Scattered, e.g. Passo di Giau.
<i>Alchemilla glabra</i>	a lady's-mantle	Scattered records, e.g. Staulanza.
<i>Sorbus aucuparia</i>	Mountain Ash	Widespread.
<i>Sorbus chamaemespilus</i>	Dwarf Medlar	Cimoliana.
<i>Sorbus aria</i>	Whitebeam	Recorded.
<i>Sorbus austriaca</i>	a whitebeam	Cimoliana and Belvedere.
<i>Amelanchier ovalis</i>	Snowy Mespilus	In fruit at Cimoliana.
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	Naturalised at Vajont, 2016.
<i>Cotoneaster integerrimus</i>	Wild Cotoneaster	Giau 2014.
<i>Crataegus monogyna</i>	Hawthorn	Cimoliana and San Lucano.
<i>Prunus spinosa</i>	Blackthorn	
<i>Prunus avium</i>	Wild Cherry	Cimoliana.
Fabaceae		
<i>Laburnum anagyroides</i>	Laburnum	Scattered records.
<i>Cytisus nigricans</i>	Black Broom	Dolomiti Friulani.
<i>Chamaecytisus purpureus</i>	Purple Broom	Several still in flower in Val Cimoliana.
<i>Chamaecytisus hirsutus</i>	Hairy Broom	Fontanafredda, locally common.
<i>Genista tinctoria</i>	Dyer's Greenweed	San Osvaldo and Dolomiti Friulani.
<i>Genista radiata</i>	Southern Greenweed	Claut.
<i>Robinia pseudoacacia</i>	False Acacia	Andraz area.
<i>Galega officinalis</i>	Goat's-rue	Roadsides 2014.
<i>Astragalus cicer</i>	Wild Lentil	Day 9 in 2008.
<i>Astragalus hypoglottis gremlii</i>		Andraz 2014.
<i>Astragalus penduliflorus</i>	Mountain Lentil	Aquileia 2012.
<i>Astragalus alpinus</i>	Alpine Milk-Vetch	Fedaia.
<i>Astragalus australis</i>	Southern Milk-Vetch	Gares gravels.
<i>Astragalus glycyphyllos</i>	Wild Liquorice	Cimoliana in flower.
<i>Oxytropis jacquinii</i>	Mountain Milk-Vetch	In leaf at Giau, in flower Gares gravels, 2015.
<i>Oxytropis neglecta</i>	a milk-vetch	Passo di Giau 2012.
<i>Oxytropis campestris</i>	Yellow Milk-Vetch	Scattered, e.g. below Passo di Giau, Fedaia, and Andraz.
<i>Vicia cracca</i>	Tufted Vetch	Widespread on roadsides.
<i>Vicia sylvatica</i>	Wood Vetch	<i>Saxifraga hostii</i> site.
<i>Vicia sepium</i>	Bush Vetch	Scattered records e.g. Andraz.
<i>Lathyrus vernus</i>	Spring Vetchling	In fruit Fontanafredda.
<i>Lathyrus ochraceus</i>		Duran.
<i>Lathyrus pratensis</i>	Meadow Vetchling	Scattered in meadows e.g. Dolomiti Friulani, and San Lucano.
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting-pea	San Lucano.
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting-pea	Recorded.
<i>Lathyrus heterophyllus</i>		Pecol 2012.
<i>Ononis spinosa</i>	Spiny Restharrow	Dolomiti Friulani, San Lucano etc. 2012. Duran 2014.
<i>Ononis repens</i>	Common Restharrow	San Lucano 2012.
<i>Melilotus altissimus</i>	Tall Melilot	Scattered records.
<i>Melilotus officinalis</i>	Ribbed Melilot	Recorded.
<i>Melilotus albus</i>	White Melilot	Caprile.

<i>Medicago lupulina</i>	Black Medick	Dolomiti Friulani etc.
<i>Medicago sativa</i>	Lucerne	Belvedere.
<i>Medicago falcata</i>	Sickle Medick	Vajont.
<i>Trifolium alpinum</i>	Alpine Clover	Fontanafredda and Passo di Fedaiia.
<i>Trifolium montanum</i>	Mountain Clover	Meadows at Fontanafredda and Dolomiti Friulani, Giau, and below Fedaiia.
<i>Trifolium repens</i>	White Clover	Common.
<i>Trifolium pallescens</i>		Giau.
<i>Trifolium thalli</i>	Thale Cress	Giau.
<i>Trifolium hybridum</i>	Alsike Clover	Giau.
<i>Trifolium badium</i>	Brown Clover	Fontanafredda and Passo di Giau.
<i>Trifolium aureum</i>	Large Trefoil	Falzarego 2011.
<i>Trifolium pratense</i>	Red Clover	Common.
<i>Trifolium medium</i>	Zigzag Clover	San Lucano.
<i>Trifolium alpestre</i>		Recorded.
<i>Trifolium rubens</i>		Roadsides, Dont.
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	Widespread in grassland.
<i>Lotus alpinus</i>	Alpine Bird's-foot-trefoil	Widespread above 2000m e.g. Passo di Giau.
<i>Lotus maritimus</i>	Dragon's-teeth	At the <i>Epipactis palustris</i> site, and rest stop en route to Venice. (<i>Tetragonolobus maritimus</i>).
<i>Anthyllis vulneraria</i>	Kidney-vetch	Widespread, various subspecies present.
<i>Coronilla vaginalis</i>		In leaf 2014.
<i>Securigera varia</i>	Crown-vetch	Claut, Rocca Pietore, Caprile gravels.
<i>Hippocrepis emerus</i>	False Senna	Cimoliana and Settimana.
<i>Hippocrepis comosa</i>	Horseshoe-vetch	Widespread and locally common.
<i>Hedysarum hedysaroides</i>	Alpine Sainfoin	Valparola.
<i>Onobrychis montana</i>	Mountain Sainfoin	Andraz.
<i>Onobrychis arenaria</i>	Hungarian Sainfoin	Recorded 2015.
<i>Onobrychis viciifolia</i>	Common Sainfoin	Dolomiti Friulani etc.
<i>Elaeagnaceae</i>		
<i>Hippophaë rhamnoides</i>	Sea-buckthorn	
<i>Lythraceae</i>		
<i>Lythrum salicaria</i>	Purple Loosestrife	Roadsides near Venice.
<i>Thymelaeaceae</i>		
<i>Daphne laureola</i>	Spurge-laurel	
<i>Daphne mezereum</i>	Mezereon	In fruit at San Lucano and Dolomiti Friulani.
<i>Daphne cneorum</i>	Garland Flower	Giau, Fedaiia.
<i>Daphne striata</i>	a garland flower	Passo di Giau in fine flower.
<i>Onagraceae</i>		
<i>Circaea alpina</i>	Alpine Enchanter's Nightshade	Woods.
<i>Oenothera glazioviana</i>	Large-flowered Evening Primrose	Lower roadsides.
<i>Oenothera</i> sp.	an evening primrose	East of Longarone 2015.
<i>Epilobium angustifolium</i>	Rosebay Willowherb	Widespread.
<i>Epilobium dodonaei</i>	a willowherb	Dolomiti Friulani, in leaf.
<i>Epilobium hirsutum</i>	Greater Willowherb	Roadsides lower down.
<i>Epilobium montanum</i>	Broad-leaved Willowherb	Cimoliana, Belvedere, etc.
<i>Epilobium alpestre</i>	Whorled-leaved Willowherb	Forest margins at Fontanafredda, Serrai di Sottaguda, and Duran.
<i>Epilobium obscurum</i>	Short-fruited Willowherb	River gravel at Gares.
<i>Epilobium anagallidifolium</i>	Pimpernel-leaved Willowherb	Giau lunch site marsh, 2012.
<i>Epilobium alsinifolium</i>	Chickweed Willowherb	Fontanafredda 2011.

Cornaceae

Cornus sanguinea Dogwood

Santalaceae

Thesium pyrenaicum Pyrenean Bastard Toadflax Recorded 2013.
Thesium alpinum Alpine Bastard Toadflax Dry grassland at Fontanafredda,
Settimana, Posalz, Gares, Giau, etc.
Thesium rostratum a bastard toadflax Cimoliana, Vajont, and Settimana.

Celastraceae

Euonymus europaeus Spindle

Euphorbiaceae

Mercurialis perennis Dog's Mercury Scattered records in leaf.
Euphorbia dulcis Sweet Spurge San Lucano 2014.
Euphorbia helioscopia Sun Spurge San Lucano.
Euphorbia peplus Petty Spurge Cimolais 2012.
Euphorbia triflora ssp. *kernerii* a spurge Cimoliana and Vajont.
Euphorbia cyparissias Cypress Spurge Cimoliana.
Euphorbia amygdaloides Wood Spurge Monte Grappa lunch site 2010.

Rhamnaceae

Rhamnus saxatilis Rock Buckthorn Passo Pordoi 2010.
Rhamnus cathartica Buckthorn Cimoliana.
Rhamnus alpina ssp. *fallax* Alpine Buckthorn Dolomiti Friulani.
Rhamnus pumila Dwarf Buckthorn Cimoliana, Giau, Rocca Pietore,
and Sottoguda.
Frangula alnus Alder Buckthorn San Lucano.

Vitaceae

Parthenocissus quinquefolia Virginia Creeper This species Longarone cliffs?

Linaceae

Linum viscosum Sticky Flax Recorded.
Linum tenuifolium a flax Vajont.
Linum catharticum Purging Flax Scattered records, locally common.

Polygalaceae

Polygala chamaebuxus Shrubby Milkwort Fontanafredda, Cimoliana, and Staulanza.
Polygala nicaeensis Nice Milkwort Cimoliana, ssp. *forojulensis*.
Polygala vulgaris Common Milkwort Scattered records. ssp. *oxyptera* on Gares
gravels.
Polygala alpestris Mountain Milkwort Fontanafredda.
Polygala amarella Dingy Milkwort Rocky grassland at Fontanafredda and
Passo di Giau, etc.
Polygala alpina Alpine Milkwort Apparently this Fedaia, but out of range,
2016?

Aceraceae

Acer platanoides Norway Maple Recorded.
Acer campestre Field Maple Cimoliana.
Acer pseudoplatanus Sycamore Apparently this species at Gares,
Acer opalus Italian Maple but out of range?

Oxalidaceae

Oxalis stricta a sorrel 'Closed road' cliffs 2015.
Oxalis acetosella Wood Sorrel Scattered in leaf.

Geraniaceae

<i>Geranium sanguineum</i>	Bloody Cranesbill	Vajont.
<i>Geranium sylvaticum</i>	Wood Cranesbill	Dolomiti Friulani, Staulanza, Duran, Fontanafredda, Giau, etc. Locally very common.
<i>Geranium nodosum</i>	Knotted Cranesbill	Recorded 2014.
<i>Geranium phaeum</i>	Dusky Cranesbill	Common in meadows and margins e.g. Dolomiti Friulani, Fontanafredda, Pecol, Posalz and in Serrai di Sottoguda. Plants were all of var. <i>lividum</i> , much paler than further west in Europe. A few records, e.g. Posalz and Caprile. Caprile 2011.
<i>Geranium pyrenaicum</i>	Pyrenean Cranesbill	Scattered records.
<i>Geranium rotundifolium</i>	Round-leaved Cranesbill	
<i>Geranium robertianum</i>	Herb Robert	

Balsaminaceae

<i>Impatiens parviflora</i>	Small Balsam	San Lucano and <i>Saxifraga hostii</i> site.
<i>Impatiens glandulifera</i>	Himalayan Balsam	Below Agordo, 2015.

Apiaceae

<i>Sanicula europaea</i>	Sanicle	Settimana 2015.
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	Cimoliana, Giau, etc.
<i>Chaerophyllum villarsii</i>	a chervil	Scattered, e.g. Posalz.
<i>Chaerophyllum aureum</i>	a chervil	Cimoliana.
<i>Anthriscus sylvestris</i>	Cow Parsley	Scattered records, e.g. Duran.
<i>Anthriscus nitida</i>	a cow parsley	Fontanafredda.
<i>Myrrhis odorata</i>	Sweet Cicely	San Lucano 2014.
<i>Pimpinella major</i>	Great Burnet-saxifrage	Meadows and forest edge at Pecol, Fontanafredda, Posalz, and below Giau.
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Dolomiti Friulani, in leaf.
<i>Aegopodium podagraria</i>	Ground-elder	Rough meadow and forest edges at low-middle altitudes.
<i>Seseli libanotis</i>	Moon Carrot	Rocca Pietore boulders.
<i>Seseli kochii</i>	a moon carrot	Locally common, e.g. Cimoliana.
<i>Athamanta cretensis</i>	Athamanta	Sottoguda Gorge.
<i>Grafia golaka</i>	Grafia	Grassland on Passo di Fedaia 2006.
<i>Bupleurum ranunculoides</i>	Thorow-wax	Vajont 2015.
<i>ssp. caricinum</i>		
<i>Trinia glauca</i>	Honewort	Cimoliana.
<i>Carum carvi</i>	Caraway	Cimoliana, Settimana, etc.
<i>Ligusticum mutellinoides</i>	Unbranched Lovage	Stony exposed grassland on Passo Fedaia and Duran.
<i>Ligusticum mutellina</i>	Alpine Lovage	Quite common above 1800m, e.g. Passo di Giau, Staulanza, Duran, and Fontanafredda.
<i>Angelica sylvestris</i>	Wild Angelica	Cimoliana, Gares, etc., in leaf.
<i>Peucedanum venetum</i>	a masterwort	Cimoliana and Vajont.
<i>Peucedanum cervaria</i>	Broad-leaved Spignel	In leaf 2015.
<i>Peucedanum ostruthium</i>	Masterwort	Scattered in leaf, e.g. base of Marmolada and Fedaia.
<i>Peucedanum verticillare</i>	a masterwort	Cimoliana and Vajont.
<i>Pastinaca sativa</i>	Wild Parsnip	San Lucano and Vajont 2011.
<i>Heracleum sphondylium</i>	Hogweed	Widespread.
<i>Laserpitium siler</i>	a sermountain	Cimoliana.
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Frequent in open forests and rough stony ground e.g. San Lucano, Dont, Passo di Giau, and Passo di Fedaia.
<i>Laserpitium peucedanoides</i>	a sermountain	Cimoliana and Andraz.
<i>Daucus carota</i>	Wild Carrot	Venice roadsides and Belvedere.

Gentianaceae

<i>Centaurium erythraea</i>	Common Centaury	Very small examples, services stop last day.
<i>Gentiana lutea</i>	Yellow Gentian	In leaf below Passo di Giau, 2009.
<i>Gentiana punctata</i>	Spotted Gentian	Passo di Giau and Fedaia.
<i>Gentiana asclepiadea</i>	Willow Gentian	Val Cimoliana and San Lucano, in leaf.
<i>Gentiana cruciata</i>	Cross Gentian	In leaf at Cimoliana.
<i>Gentiana prostrata</i>	a gentian	One at Fontanafredda 2010 was a new record for this tour, but not seen there since.
<i>Gentiana clusii</i>	Clusius's Gentian	Cimoliana (over), Marmolada, Valparola.
<i>Gentiana acaulis</i>	Trumpet Gentian	Locally common, Fedaia, Passo di Giau, and Fontanafredda.
<i>Gentiana verna</i>	Spring Gentian	Widespread and locally common, e.g. Giau, Fontanafredda.
<i>Gentiana brachyphylla</i>	a gentian	Fedaia, many in good flower.
<i>Gentiana orbicularis</i>	a gentian	Marmolada, seen from the chair-lift.
<i>Gentiana bavarica</i>	Bavarian Gentian	Valparola, only 1 in flower this year.
<i>Gentiana terglouensis</i>	Triglav Gentian	A few at Valparola.
<i>Gentiana nivalis</i>	Snow Gentian	Over at Fontanafredda.
<i>Gentiana utriculosa</i>	Bladder Gentian	Moister turf at Cimoliana.
<i>Gentiana nana</i>		4 petals. Recorded 2012.
<i>Gentiana pilosa</i>	a gentian	Below Giau 2015.
<i>Gentiana germanica</i>	German (or Chiltern!) Gentian	Fontanafredda.

Apocynaceae

<i>Vinca minor</i>	Lesser Periwinkle	In leaf at San Boldo 2010.
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Aslepiadaceae

<i>Vincetoxicum hirsutum</i>	Swallow-wort	Dolomiti Friulani etc., locally common.
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Solanaceae

<i>Atropa belladonna</i>	Deadly Nightshade	Monte Grappa 2010.
<i>Scopolia carniolica</i>		San Osvaldo, in fruit, 2008. 2010 in fruit at <i>Epipactis palustris</i> site below Passo Duran.
<i>Solanum dulcamara</i>	Bittersweet	San Lucano.
<i>Solanum tuberosum</i>	Potato	San Lucano gravels 2014!

Convolvulaceae

<i>Cuscuta europaea</i>	Greater Dodder	San Lucano, parasitising <i>Urtica dioica</i> , 2014.
<i>Cuscuta epithymum</i>	Dodder	Cimolais 2014.
<i>Calystegia sepium</i>	Hedge Bindweed	Roadsides lower down.
<i>Convolvulus arvensis</i>	Field Bindweed	Services stop last day.

Polemoniaceae

<i>Polemonium caeruleum</i>	Jacob's Ladder	Gares 2009.
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Boraginaceae

<i>Echium vulgare</i>	Viper's Bugloss	Widespread.
<i>Pulmonaria officinalis</i>	Lungwort	Fontanafredda.
<i>Pulmonaria australis</i>	a Lungwort	In fruit Giau and Fedaia.
<i>Symphytum officinale</i>	Common Comfrey	Cortina area roadsides 2013.
<i>Myosotis arvensis</i>	Field Forget-me-not	Cimoliana.
<i>Myosotis discolor</i>	Changing Forget-me-not	Fontanafredda 2009.
<i>Myosotis sylvatica</i>	Wood Forget-me-not	Scattered, e.g. Fontanafredda.
<i>Myosotis alpestris</i>	Alpine Wood Forget-me-not	Scattered records at higher altitudes, e.g. Giau, Fedaia, Fontanafredda, locally very common.

<i>Myosotis scorpioides</i>	Water Forget-me-not	Fontanafredda 2014.
<i>Eritrichium nanum</i>	King of the Alps	Very many fine examples at Fedaia. Abundantly in flower! Gares 2015.
<i>Lappula deflexa</i>		
Lamiaceae		
<i>Ajuga genevensis</i>	Blue Bugle	Scattered records.
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Fontanafredda, Passo di Giau and Passo di Fedaia. Vajont, Cimoliana, Claut. A white flowered form at Claut and San Osvaldo. Fontanafredda in leaf. Fontanafredda, very common after logging disturbance. 2015. San Lucano 2009.
<i>Teucrium montanum</i>	Mountain Germander	
<i>Melittis melissophyllum</i>	Bastard Balm	
<i>Galeopsis ladanum</i>	Broad-leaved Hemp-nettle	
<i>Galeopsis speciosa</i>	Large-flowered Hemp-nettle	
<i>Galeopsis tetrahit</i>	Common Hemp-nettle	
<i>Salvia pratensis</i>	Meadow Clary	Widespread and common.
<i>Lamium orvala</i>	a dead-nettle	Monte Grappa 2010.
<i>Lamium album</i>	White Dead-nettle	Scattered, e.g. Posalz.
<i>Lamium galeobdolon</i>	Yellow Archangel	Forests at Cimoliana. [ssp. <i>flavidum</i>]
<i>Stachys alopecuroides</i>	Yellow Betony	Dolomiti Friulani etc.
<i>Stachys officinalis</i>	Betony	Vajont 2014.
<i>Stachys alpina</i>	Limestone Woundwort	Gares Valley.
<i>Stachys sylvatica</i>	Hedge Woundwort	Cimoliana.
<i>Stachys recta</i>	Yellow Woundwort	Scattered, e.g. Cimoliana and Rocca Pietore. Dolomiti Friulani.
<i>Prunella grandiflora</i>	Large Self-heal	
<i>Prunella vulgaris</i>	Self-heal	Widespread.
<i>Acinos alpinus</i>	Alpine Calamint	Cimoliana etc.
<i>Clinopodium vulgare</i>	Wild Basil	Cimoliana.
<i>Origanum vulgare</i>	Marjoram	Rocca Pietore.
<i>Thymus praecox</i>	Hairy Thyme	Widespread.
<i>Thymus pulegioides</i>	Large-flowered Thyme	Cimoliana.
<i>Lycopus europaeus</i>	Gipsywort	In leaf at Vajont 2011.
<i>Mentha longifolia</i>	Horse Mint	Spring marsh at Fontanafredda, Settimana, and San Lucano, in leaf. Widespread in limey grassland at Cimoliana, Fontanafredda, Passo di Giau, Staulanza, and Passo di Fedaia, etc.
<i>Horminum pyrenaicum</i>	Dragonmouth	
<i>Salvia glutinosa</i>	Sticky Sage	In leaf in Dolomiti Friulani.
<i>Salvia saccardiana</i>	a sage	Vajont.
Plantaginaceae		
<i>Plantago major</i>	Great Plantain	Widespread.
<i>Plantago maritima serpentina</i>	a plantain	Cimoliana 2016. Not recorded for Pordenone province in Flora Alpina.
<i>Plantago media</i>	Hoary Plantain	Widespread.
<i>Plantago lanceolata</i>	Ribwort Plantain	Recorded.
Buddlejaceae		
<i>Buddleja davidii</i>	Buddleia	Occasionally naturalised on lower roadsides.
Oleaceae		
<i>Fraxinus ornus</i>	Manna Ash	Dolomiti Friulani.
<i>Fraxinus excelsior</i>	Ash	Widespread.
<i>Ligustrum vulgare</i>	Privet	Dolomiti Friulani.
Scrophulariaceae		
<i>Verbascum thapsus</i>	Aaron's-rod	Scattered records, e.g. Claut.
<i>Verbascum pulverulentum</i>	Hoary Mullein	Belvedere.

<i>Verbascum chaixii</i>	a mullein	<i>ssp.australicum</i> in Dolomiti Friulani.
<i>Verbascum nigrum</i>	Dark Mullein	Scattered records, e.g. San Lucano.
<i>Scrophularia nodosa</i>	Common Figwort	Cimoliana.
<i>Scrophularia canina</i>	Alpine Figwort	Dolomiti Friulani.
<i>Scrophularia juratensis</i>	a figwort	Cimoliana.
<i>Chaenorhinum minus</i>	Small Toadflax	Caprile 2012.
<i>Linaria angustissima</i>	a Toadflax	Belvedere.
<i>Linaria alpina</i>	Alpine Toadflax	Fedaia.
<i>Digitalis grandiflora</i>	Large Yellow Foxglove	Scattered, e.g. Rocca Pietore.
<i>Veronica bellidioides</i>	Violet Speedwell	Fedaia.
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Scattered records, e.g. Giau. [<i>ssp. humifusa</i> and <i>ssp. serpyllifolia</i>]
<i>Veronica alpina</i>	Alpine Speedwell	Giau 2015.
<i>Veronica fruticans</i>	Rock Speedwell	Locally common at Fontanafredda, also Fedaia and lower Marmolada.
<i>Veronica fruticulosa</i>	a speedwell	Belvedere.
<i>Veronica urticifolia</i>	Nettle-leaved Speedwell	Dolomiti Friulani etc.
<i>Veronica teucrium</i>	a speedwell	Dolomiti Friulani 2011.
<i>Veronica aphylla</i>	Leafless-stemmed Speedwell	Ledges at foot of Marmolada chairlift.
<i>Veronica officinalis</i>	Heath Speedwell	In leaf at Fontanafredda.
<i>Veronica chamaedrys</i>	Bird's-eye Speedwell	Meadow margins at Fontanafredda, Duran, Cimoliana, etc.
<i>Veronica montana</i>	Wood Speedwell	Gares 2015.
<i>Veronica beccabunga</i>	Brooklime	Fontanafredda spring marsh etc.
<i>Veronica persica</i>	Common Field Speedwell	Rocca Pietore.
<i>Paederota bonarota</i>	Bluish Paederota	Frequent on limestone cliffs and boulders e.g. Passo di Giau (and below), Serrai di Sottoguda, Cimoliana, and Andraz.
<i>Melampyrum velebiticum</i>	a cow-wheat	San Lucano.
<i>Melampyrum sylvaticum</i>	Wood Cow-wheat	Cimoliana and Gares.
<i>Euphrasia rostkoviana</i>	an eyebright	Cimoliana.
<i>Euphrasia picta</i>	an eyebright	Fontanafredda.
<i>Euphrasia</i> spp.	Eyebright	Various species not identified.
<i>Bartsia alpina</i>	Alpine Bartsia	Boggy flushes at Passo di Giau, Duran, Fedaia, Fontanafredda, and Valparola.
<i>Pedicularis recutita</i>	a lousewort	Passo di Giau 2015.
<i>Pedicularis rosea</i>	a lousewort	Common at Valparola.
<i>Pedicularis verticillata</i>	Verticillate Lousewort	Widespread and common e.g. Fedaia, Fontanafredda, and Passo di Giau.
<i>Pedicularis palustris</i>	Marsh Lousewort	Fontanafredda 2015.
<i>Pedicularis tuberosa</i>	Long-beaked Yellow Lousewort	Passo di Giau and Fedaia. Leaves only this year.
<i>Pedicularis elongata</i>	a lousewort	Fontanafredda.
<i>Pedicularis rostratospicata</i>	a lousewort	Passo di Giau 2010.
<i>Pedicularis rostratocapitata</i>	Beaked Lousewort	A few in flower at Valparola.
<i>Pedicularis elongata</i> x <i>rostratocapitata</i>		Apparently this hybrid at Valparola, 2015.
<i>Rhinanthus minor</i>	Yellow Rattle	Fontanafredda etc.
<i>Rhinanthus glacialis</i>	Aristate Yellow-rattle	Meadows at Fontanafredda etc.
<i>Rhinanthus pampaninii</i>	a yellow-rattle	A subendemic, Val Cimoliana.
<i>Rhinanthus freynii</i>	a yellow-rattle	Vajont 2014.
<i>Rhinanthus alectorolophus</i>	Greater Yellow-rattle	Cimoliana.
Globulariaceae		
<i>Globularia bisnagarica</i>	a globularia	Vajont and Dolomiti Friulani.
<i>Globularia cordifolia</i>	Matted Globularia	Dolomiti Friulani and Sottoguda.
Orobanchaceae		
<i>Orobanche alba</i>	Thyme Broomrape	Monte Grappa 2010.
<i>Orobanche caryophyllacea</i>	Clove-scented Broomrape	Passo Pordoi 2009.

<i>Orobanche teucrii</i>	Germander Broomrape	Claut 2015, an interesting record. Parasitising <i>Teucrium montanum</i> .
<i>Orobanche flava</i>	Butterbur Broomrape	2 at Claut 2015.
<i>Orobanche gracilis</i>	Slender Broomrape	Dolomiti Friulani and below Giau.
<i>Lentibulariaceae</i>		
<i>Pinguicula alpina</i>	Alpine Butterwort	In flower at Passo di Giau and Marmolada at foot of chairlift, and in fruit at Gares.
<i>Pinguicula vulgaris</i>	Common Butterwort	Streamsides, e.g. Cimoliana and Dont.
<i>Campanulaceae</i>		
<i>Campanula rapunculoides</i>	Rampion Bellflower	Below Passo Duran 2010.
<i>Campanula persicifolia</i>	Peach-leaved Bellflower	Vajont and Dolomiti Friulani.
<i>Campanula barbata</i>	Bearded Bellflower	Fedaia.
<i>Campanula glomerata</i>	Clustered Bellflower	Widespread, e.g. Cimoliana and Posalz.
<i>Campanula cervicaria</i>	a clustered bellflower	Cimoliana.
<i>Campanula spicata</i>	Spiked Bellflower	Roadsides west of Longarone, Vajont, etc.
<i>Campanula latifolia</i>	Giant Bellflower	Gares valley, with very large flowers, although in bud this year.
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	Scattered records, e.g. Rocca Pietore (white flowers).
<i>Campanula rapunculoides</i>	Creeping Bellflower	Cimoliana 2015.
<i>Campanula carnica</i>	a bellflower	San Lucano and Gares 2015.
<i>Campanula cochlearifolia</i>	Fairy's Thimble	Gares gravels, in bud this year.
<i>Campanula cespitosa</i>	Tufted Harebell	Gares, and in bud low on Marmolada. 2014.
<i>Campanula scheuchzeri</i>	a bellflower	Meadows and rocks e.g. Cimoliana.
<i>Campanula rotundifolia</i>	Harebell	Cimoliana, Rocca Pietore, etc.
<i>Phyteuma spicatum</i>	Spiked Rampion	San Osvaldo.
<i>Phyteuma ovatum</i>	Dark Rampion	Gares valley.
<i>Phyteuma zahlbruckneri</i>	a rampion	In flower at Fontanafredda, 2015.
<i>Phyteuma betonicifolium</i>	Betony-leaved Rampion	Gares valley.
<i>Phyteuma orbiculare</i>	Round-headed Rampion	Locally common in meadows.
<i>Phyteuma sieberi</i>	a rampion	Rocks: Passo di Giau and lower Marmolada.
<i>Phyteuma hemisphaericum</i>	Globe-headed Rampion	Fedaia, Passo di Giau etc. 2015.
<i>Phyteuma globulariifolium</i>	Rosette-leaved Rampion	Fedaia lower boulders 2014.
<i>Physoplexis comosa</i>	Devil's Claw	Cimoliana and Claut in fine flower. Serrai di Sottoguda in bud this year.
<i>Rubiaceae</i>		
<i>Asperula cynanchica</i>	Squinancywort	Cimoliana and Claut.
<i>Galium odoratum</i>	Woodruff	Forest floors in the past.
<i>Galium palustre</i>	Common Marsh Bedstraw	Vajont 2011.
<i>Galium verum</i>	Lady's Bedstraw	Dolomiti Friulani.
<i>Galium mollugo</i>	Hedge Bedstraw	Scattered records.
<i>Galium album</i>	Upright Bedstraw	Scattered records.
<i>Galium lucidum</i>	Shining Bedstraw	Scattered records.
<i>Galium aristatum</i>	a bedstraw	Settimana 2012.
<i>Galium laevigatum</i>	a bedstraw	In leaf at San Osvaldo.
<i>Galium rubrum</i>	a bedstraw	San Martino 2013.
<i>Galium pumilum</i>	Slender Bedstraw	Cimoliana etc.
<i>Galium anisophyllum</i>	a bedstraw	Recorded.
<i>Galium margaritaceum</i>	a bedstraw	Cimoliana gravels.
<i>Galium aparine</i>	Cleavers	Cimoliana.
<i>Cruciata laevipes</i>	Crosswort	Gares.
<i>Cruciata glabra</i>	a Crosswort	Gares.

Caprifoliaceae

<i>Sambucus ebulus</i>	Dwarf Elder	Belvedere.
<i>Sambucus nigra</i>	Common Elder	Cimoliana.
<i>Sambucus racemosa</i>	Red-berried Elder	Rocca Pietore and San Lucano.
<i>Viburnum opulus</i>	Guelder Rose	Cimoliana.
<i>Viburnum lantana</i>	Wayfaring Tree	San Lucano.
<i>Lonicera caerulea</i>	Blue-berried Honeysuckle	Giau 2015.
<i>Lonicera alpigena</i>	Alpine Honeysuckle	In fruit at San Lucano.
<i>Lonicera nigra</i>	Black-berried Honeysuckle	San Lucano in fruit, and Gares, many in flower.
<i>Lonicera xylosteum</i>	Fly Honeysuckle	San Lucano.
Adoxaceae		
<i>Adoxa moschatellina</i>	Moschatel	In flower at Gares, 2014.
Valerianaceae		
<i>Valeriana officinalis</i>	Common Valerian	Dolomiti Friulani and Andraz.
<i>Valeriana wallrothii</i>	a valerian	Scattered records, e.g. Dolomiti Friulani.
<i>Valeriana dioica</i>	Marsh Valerian	Boggy flushes, Fontanafredda and Duran.
<i>Valeriana tripteris</i>	Three-leaved Valerian	Scattered records, e.g. Cimoliana.
<i>Valeriana montana</i>	a valerian	Widespread and reasonably common, e.g. Cimoliana and Giau.
<i>Valeriana saxatilis</i>	Rock Valerian	Dolomiti Friulani, Passo di Giau, Andraz, etc.
<i>Valeriana elongata</i>	a valerian	Several on one cliff at Falzarego.
Dipsacaceae		
<i>Dipsacus fullonum</i>	Teasel	Near Venice.
<i>Dipsacus laciniatus</i>	Cut-leaved Teasel	Apparently this species, very robust, on Venice roadsides.
<i>Knautia drymeia</i>		Dolomiti Friulani.
<i>Knautia dipsacifolia</i>	Wood Scabious	Scattered woodland edge records.
<i>Knautia ressmannii</i>		Dolomiti Friulani.
<i>Knautia longifolia</i>		Scattered records.
<i>Knautia arvensis</i>	Field Scabious	Scattered.
<i>Scabiosa triandra</i>	a scabious	Cimoliana and San Lucano.
<i>Scabiosa columbaria</i>	Small Scabious	
<i>Lomelosia graminifolia</i>	a scabious	Near Claut, mostly in bud this year, but 2 flowers seen.
Asteraceae		
<i>Eupatorium cannabinum</i>	Hemp-agrimony	Scattered, e.g. Cimoliana.
<i>Solidago virgaurea</i>	Goldrenrod	Local, e.g. Rocca Pietore.
<i>Bellis perennis</i>	Daisy	
<i>Aster alpinus</i>	Alpine Aster	Fontanafredda and Belvedere.
<i>Aster bellidiastrum</i>	False Aster	Cimoliana.
<i>Erigeron annuus</i>	Annual Fleabane	Widespread and often numerous.
<i>Erigeron acer</i>	Blue Fleabane	Gares gravels.
<i>Erigeron atticus</i>	Greek Fleabane	Fedaia?
<i>Erigeron alpinus</i>	Alpine Fleabane	Rocks on Passo di Giau.
<i>Erigeron neglectus</i>	Neglected Fleabane	Giau.
<i>Erigeron glabratus</i>	Variable Fleabane	Giau.
<i>Antennaria dioica</i>	Mountain Everlasting	Local in drier unshaded places at Cimoliana, Fontanafredda etc.
<i>Antennaria carpatica</i>	Carpathian Catsfoot	Fedaia.
<i>Leontopodium alpinum</i>	Edelweiss	Limestone boulders below Passo di Giau, a few plants. Also Valparola.
<i>Bupthalmum salicifolium</i>	Yellow Ox-eye	Verges and meadows, widespread, e.g. Dolomiti Friulani.
<i>Galinsoga ciliata</i>	a gallant soldier	Pavement weed.
<i>Achillea oxyloba</i>	Alpine Sneezewort	Near the Marmolada dam, and Valparola.

<i>Achillea erba-rotta</i> ssp. <i>moschata</i>	a milfoil	Fedaia lower rocks 2015.
<i>Achillea atrata</i>	Dark-stemmed Sneezewort	Low on Marmolada, Valparola, and Falzarego.
<i>Achillea clavennae</i>	Silvery Milfoil	Rocks on Passo di Giau and Fedaia.
<i>Achillea macrophylla</i>	Large-leaved Sneezewort	Dolomiti Friulani roadsides.
<i>Achillea millefolium</i>	Yarrow	Widespread.
<i>Achillea roseoalba</i>	a yarrow	Dolomiti Friulani.
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	San Lucano 2011.
<i>Matricaria discoidea</i>	Pineapple-weed	Gares valley.
<i>Leucanthemopsis alpina</i>	Alpine Moon Daisy	Fedaia 2015.
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Dolomiti Friulani.
<i>Leucanthemum heterophyllum</i>	an ox-eye daisy	Cimoliana.
<i>Artemisia vulgaris</i>	Mugwort	Cimoliana and Claut.
<i>Artemisia absinthium</i>	Wormwood	Belvedere.
<i>Artemisia genipi</i>	a wormwood	A few at Fedaia, in leaf.
<i>Tussilago farfara</i>	Coltsfoot	In leaf.
<i>Petasites albus</i>	White Butterbur	Still in flower in Sottoguda Gorge 2014! Over this year.
<i>Petasites hybridus</i>	Butterbur	Similar habitats to latter but at lower altitudes, in leaf and fruit.
<i>Petasites paradoxus</i>	Alpine Butterbur	In leaf and fruit.
<i>Homogyne alpina</i>	Alpine Coltsfoot	Common in shade and among rocks e.g. Passo di Giau, Cimoliana, and Fontanafredda. Locally very common.
<i>Homogyne discolor</i>	an alpine coltsfoot	Valparola.
<i>Adenostyles alliariae</i>	Adenostyles	Forests, margins and meadows.
<i>Adenostyles glabra</i>		Scattered, e.g. Dolomiti Friulani and Andraz.
<i>Arnica montana</i>	Arnica	Scattered in meadows at Fontanafredda, and below Passo di Giau.
<i>Doronicum columnae</i>	Heart-leaved Leopard's-bane	Grassy parts of boulder waste at Passo di Giau, and Falzarego.
<i>Doronicum glaciale</i>	a leopard's-bane	Fedaia 2015.
<i>Senecio incanus</i>	Grey Alpine Groundsel	Leached grassland, Passo di Giau, Fedaia. [ssp. <i>carniolicus</i>]
<i>Senecio inaequidens</i>	Narrow-leaved Ragwort	Longarone roadsides 2014, native to South Africa.
<i>Senecio germanicus</i> ssp. <i>glabratus</i>	Wood Ragwort	Fontanafredda.
<i>Senecio cacaliaster</i>	a ragwort	In bud at Posalz, 2015.
<i>Senecio doronicum</i>	Chamois Ragwort	Rocky grassland on Passo Pordoi 2009.
<i>Senecio alpinus</i>	Alpine Ragwort	Meadows and moist flushes at Fontanafredda, and below Passo Duran.
<i>Senecio erraticus</i>	a ragwort	By the stream at Pecol, 2007.
<i>Senecio rupestris</i>	Rock (Oxford) Ragwort	Roadsides.
<i>Senecio abrotanifolius</i>	a ragwort	A few in Settimana 2015.
<i>Senecio vulgaris</i>	Common Groundsel	Recorded.
<i>Tephrosieris tenuifolia</i>	a ragwort	Grassland on Passo di Fedaia, and Gares.
<i>Carlina acaulis</i>	Stemless Carlina Thistle	Old fruiting heads.
<i>Arctium lappa</i>	Greater Burdock	Scattered.
<i>Arctium minus</i>	Lesser Burdock	Scattered.
<i>Carduus nutans</i>	Musk Thistle	Cimoliana 2014.
<i>Carduus personata</i>	Great Marsh Thistle	Widespread in moist forest edges, e.g. Gares.
<i>Carduus defloratus</i>	Alpine Thistle	Widespread. More than one subspecies present.
<i>Cirsium eriophorum</i>	Woolly-headed Thistle	Cimoliana 2014.
<i>Cirsium vulgare</i>	Spear Thistle	Venice Airport.
<i>Cirsium montanum</i>	a thistle	Below Giau 2015.
<i>Cirsium erisithales</i>	Yellow Melancholy Thistle	Cimoliana etc.
<i>Cirsium carniolicum</i>	a thistle	San Lucano?

<i>Cirsium oleraceum</i>	Cabbage Thistle	Dont and San Lucano.
<i>Cirsium spinosissimum</i>	Spiniest Thistle	Grassland on Passo di Giau.
<i>Cirsium helenoides</i>	Melancholy Thistle	Fontanafredda, in bud this year.
<i>Cirsium palustre</i>	Marsh Thistle	Fontanafredda.
<i>Cirsium arvense</i>	Creeping Thistle	Scattered records.
<i>Centaurea dichroantha</i>	a knapweed	Yellow and purple forms in Cimoliana, all in bud this year.
<i>Centaurea scabiosa</i>	Greater Knapweed	Vajont.
<i>Centaurea jacea</i>	Brown Knapweed	Vajont, ssp. <i>angustifolia</i> ?
<i>Centaurea nigrescens</i>	a knapweed	Scattered records, e.g. San Osvaldo and Cimoliana.
<i>Centaurea nervosa</i>	Plume Knapweed	Passo di Giau and Fedaia, in bud.
<i>Centaurea montana</i>	Perennial Cornflower	Vajont.
<i>Centaurea triumfetti</i>	a mountain cornflower	Probably this species at Cimoliana, 2012.
<i>Cichorium intybus</i>	Chicory	Verges lower down.
<i>Aposeris foetida</i>	Aposeris	Common under spruce e.g. Fontanafredda, Staulanza, and Cimoliana.
<i>Hypochoeris uniflora</i>	Giant Cat's-ear	Fedaia and Valparola.
<i>Hypochoeris facchiniana</i>	a cat's-ear	Posalz.
<i>Hypochoeris radicata</i>	Cat's-ear	Recorded.
<i>Leontodon helveticus</i>	a hawkbit	Fontanafredda.
<i>Leontodon hispidus</i>	Rough Hawkbit	Cimoliana.
<i>Leontodon incanus incanus</i>		Cimoliana.
<i>Leontodon incanus tenuiflorus</i>	a hawkbit	
<i>Picris echioides</i>	Bristly Oxtongue	Venice Airport 2012.
<i>Picris hieracioides</i>	Hawkweed Oxtongue	Scattered records, e.g. Posalz.
<i>Scorzonera aristata</i>	Bearded Viper's-grass	Fontanafredda.
<i>Tragopogon pratensis</i>	Goatsbeard	Cimoliana.
<i>Sonchus asper</i>	Prickly Sow-thistle	
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	
<i>Lactuca serriola</i>	Prickly Lettuce	Roadsides lower down.
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Fontanafredda, in bud.
<i>Prenanthes purpurea</i>	Purple Lettuce	San Lucano and Gares, in leaf.
<i>Mycelis muralis</i>	Wall Lettuce	Scattered records.
<i>Taraxacum palustre</i>	Marsh Dandelion	Giau marsh 2015.
<i>Taraxacum officinale</i>	Dandelion	Widespread.
<i>Taraxacum spp.</i>	Dandelions	Verges at Passo di Giau and scree/crevices high on Marmolada.
<i>Chondrilla chondrilloides</i>	a lettuce	Vajont and Cimoliana, locally very common.
<i>Lapsana communis</i>	Nipplewort	Cimoliana.
<i>Crepis paludosa</i>	Marsh Hawksbeard	Widespread, e.g. Cimoliana.
<i>Crepis aurea</i>	Golden Hawksbeard	Locally common, e.g. Passo di Giau and Fontanafredda.
<i>Crepis bocconei</i>	a hawksbeard	Valparola 2015.
<i>Crepis alpestris</i>	a hawksbeard	Cimoliana 2015.
<i>Crepis froelichiana dinarica</i>	a hawksbeard	Pink flowers. Several in Cimoliana.
<i>Hieracium staticifolium</i>	a hawkweed	Cimoliana.
<i>Hieracium hoppeanum</i>	a hawkweed	Fontanafredda.
<i>Hieracium pilosella</i>	Mouse-ear Hawkweed	Vajont.
<i>Hieracium piloselloides</i>	a hawkweed	Recorded.
<i>Hieracium cymosum</i>	a hawkweed	Passo Fedaia 2009.
<i>Hieracium aurantiacum</i>	Fox-and-Cubs	Recorded.
<i>Hieracium bifidum</i>	a hawkweed	Recorded 2016.
<i>Hieracium villosum</i>	a hawkweed	Passo di Giau 2015.
<i>Hieracium piliferum</i>	a hawkweed	Passo di Giau and Fedaia.

D. ANGIOSPERMS – MONOCOTYLEDONES

Butomaceae

Butomus umbellatus Flowering-rush Roadside ditches near Marco Polo airport. Not seen 2015 or 2016.

Juncaginaceae

Triglochin palustris Marsh Arrow-grass Flushes at Fontanafredda.

Juncaceae

Juncus jacquinii a rush In bud at Fedaia.
Juncus filiformis Thread Rush Andraz 2016.
Juncus trifidus Three-leaved Rush Acid grassland on Passo di Giau and Passo Fedaia.

Juncus monanthus a rush On calcareous substrates, Fedaia and low on Marmolada.

Juncus compressus Round-fruited Rush Settimana etc.
Juncus tenuis Slender Rush Dolomiti Friulani.
Juncus subnodulosus Blunt-flowered Rush Recorded 2012.
Juncus articulatus Jointed Rush Wet flushes, Dolomiti Friulani.
Juncus triglumis Three-flowered Rush Several in wet flushes at Andraz.
Luzula campestris Field Woodrush Fontanafredda and Giau etc.
Luzula multiflora Many-flowered Woodrush Cimoliana etc.
Luzula pallidula Fen Wood-rush Fen at Gares 2015. New for Belluno province?

Luzula sudetica a woodrush More acid grassland at Passo di Giau, Fontanafredda, etc.

Luzula alpina Alpine Woodrush Recorded.
Luzula spicata mutabilis a woodrush Acid sward at Giau.
Luzula sylvatica Great Woodrush Giau 2014.
Luzula sieberi a woodrush North of Cortina lunch site.
Luzula nivea a woodrush Dolomiti Friulani.
Luzula luzuloides White Woodrush Forests at Fontanafredda etc.
ssp.rubella at Fontanafredda.

Luzula alpinopilosa a woodrush Locally common on acidic substrates.
Luzula glabrata a woodrush Deep acid soils near Col de Cuch, 2010.

Luzula pilosa Hairy Woodrush Cimoliana.

Cyperaceae

Trichophorum alpinum Cotton Deer-grass Fontanafredda.
Trichophorum caespitosum Deer-grass Valparola and Giau bogs.
Blysmus compressus Flat-headed Sedge Cimoliana.
Eriophorum angustifolium Common Cotton-grass Wet flushes at Fontanafredda and Passo di Giau.

Eriophorum latifolium Broad-leaved Cotton-grass Settimana and Dont.
Eriophorum vaginatum Hare's-tail Cotton-grass Bog near Passo do Giau.
Eleocharis quinqueflora Few-flowered Spike-rush Valparola 2015.
Eleocharis palustris Common Spike-rush Fontanafredda 2012.
Schoenus nigricans Black Bog-rush Passo di Giau 2012.
Schoenus ferrugineus Brown Bog-rush Passo Pordoi 2010.
Elyna myosuroides Fedaia 2015.
Carex paniculata Tussock Sedge Fontanafredda and Duran.
Carex spicata Spiked Sedge Cimoliana.
Carex pairae a sedge Vajont 2014.
Carex leporina Oval Sedge Gares.
Carex echinata Star Sedge Fontanafredda and Dolomiti Friulani 2012.

Carex dioica Dioecious Sedge Duran and Giau.

<i>Carex davalliana</i>	Davall's Sedge	Duran and Fontanafredda.
<i>Carex lachenalii</i>	Hare's-foot Sedge	Giau bog 2015.
<i>Carex curvula</i>	Curved Sedge	More acid grassland at Fontanafredda.
<i>Carex hirta</i>	Hairy Sedge	Fontanafredda.
<i>Carex lasiocarpa</i>	Slender Sedge	Santa Croce lake shore 2014.
<i>Carex pseudocyperus</i>	Cyperus Sedge	San Lucano 2012.
<i>Carex rostrata</i>	Bottle Sedge	San Lucano lake and Duran.
<i>Carex sylvatica</i>	Wood Sedge	Cimoliana.
<i>Carex capillaris</i>	Hair Sedge	Fontanafredda.
<i>Carex flacca</i>	Glaucous Sedge	Widespread and very common.
<i>Carex panicea</i>	Carnation Sedge	Marshes: Fontanafredda, Passo di Giau, Duran, and Dolomiti Friulani.
<i>Carex pilosa</i>	a sedge	Fontanafredda 2008.
<i>Carex distans</i>	Distant Sedge	Recorded 2011?
<i>Carex flava</i>	Great Yellow-sedge	Dolomiti Friulani.
<i>Carex lepidocarpa</i>	Long-stalked Yellow Sedge	Dolomiti Friulani.
<i>Carex demissa</i>	a yellow sedge	Recorded 2014.
<i>Carex viridula</i>	a yellow sedge	Dolomiti Friulani.
<i>Carex pallescens</i>	Pale Sedge	Grassland and wood edges at Fontanafredda and Duran.
<i>Carex halleriana</i>	a sedge	Cimoliana.
<i>Carex digitata</i>	Fingered Sedge	Dolomiti Friulani.
<i>Carex ornithopoda</i>	Bird's-foot Sedge	Dolomiti Friulani.
<i>Carex ornithopodioides</i>	a bird's-foot sedge	Fontanafredda.
<i>Carex humilis</i>	Dwarf Sedge	Passo di Giau rocks 2012.
<i>Carex montana</i>	Soft-leaved Sedge	Widespread.
<i>Carex pilulifera</i>	Pill Sedge	Cimoliana 2012.
<i>Carex alba</i>	White-flowered Sedge	Cimoliana, San Lucano and San Osvaldo. Locally very common.
<i>Carex sempervirens</i>	Evergreen Sedge	Widespread and common.
<i>Carex firma</i>	a sedge	Cimoliana upper cliffs.
<i>Carex mucronata</i>	a sedge	Cimoliana.
<i>Carex ferruginea</i>	a sedge	Widespread, e.g. Dolomiti Friulani. <i>ssp.ferruginea</i> and <i>australpina</i> .
<i>Carex brachystachys</i>	a sedge	Giau 2015.
<i>Carex frigida</i>	a sedge	Gares 2014.
<i>Carex limosa</i>	Bog Sedge	Fontanafredda 2008.
<i>Carex atrata</i>	Jet Sedge	Valparola. [<i>ssp. aterrima</i>]
<i>Carex nigra</i>	Common Sedge	Marshy ground at Fontanafredda, Passo di Giau, Duran, etc.
<i>Carex rupestris</i>	Rock Sedge	Passo di Giau.
<i>Carex pulicaris</i>	Flea Sedge	Andraz 2011.
Poaceae		
<i>Festuca paniculata</i>	a fescue	Vajont.
<i>Festuca spectabilis</i>	a fescue	Cimoliana.
<i>Festuca gigantea</i>	Giant Fescue	Sottoguda.
<i>Festuca pratensis</i>	Meadow Fescue	Scattered records.
<i>Festuca alpestris</i>	a fescue	This in Dolomiti Friulani?
<i>Festuca valesiaca</i>	a fescue	Common in grassland on Passo di Fedaia.
<i>Lolium perenne</i>	Perennial Rye-grass	Scattered records.
<i>Lolium multiflorum</i>	Italian Rye-grass	Pecol 2012.
<i>Catapodium rigidum</i>	Fern Grass	1 at Fontanafredda was a surprise, 2009.
<i>Poa annua</i>	Annual Meadow-grass	Widespread.
<i>Poa trivialis</i>	Rough Meadow-grass	
<i>Poa pratensis</i>	Smooth Meadow-grass	
<i>Poa minor/Poa cenisia</i>	an alpine meadow-grass	One or both species present on Marmolada.
<i>Poa nemoralis</i>	Wood Meadow-grass	San Lucano etc.

<i>Poa bulbosa</i>	Bulbous Meadow-grass	Scattered records, e.g. Passo di Giau.
<i>Poa alpina</i>	Alpine Meadow-grass	Grassy knolls and rocks at Fontanafredda, Passo di Giau, Fedaia, generally viviparous.
<i>Dactylis glomerata</i>	Cock's-foot	Widespread.
<i>Briza media</i>	Quaking Grass	Locally common, e.g. Fontanafredda and Dolomiti Friulani.
<i>Sesleria sphaerocephala</i>		Rocks on Passo di Giau.
<i>Sesleria caerulea</i>		Limestone: Passo di Giau, Cimoliana, etc.
<i>Melica nutans</i>	Mountain Melick	Cimoliana and Giau.
<i>Melica ciliata</i>	Ciliate Melick	Cimoliana.
<i>Glyceria notata</i>	Plicate Sweet-grass	In the lake at San Lucano.
<i>Bromus tectorum</i>	Drooping Brome	Rocca Pietore.
<i>Bromus inermis</i>	Hungarian Brome	Dry verges.
<i>Brachypodium sylvaticum</i>	Wood False-brome	Scattered records.
<i>Brachypodium pinnatum</i>	Tor Grass	Dolomiti Friulani.
<i>Brachypodium rupestre</i>		Dolomiti Friulani.
<i>Elymus caninus</i>	Bearded Couch	Scattered records.
<i>Elymus repens</i>	Common Couch	Dolomiti Friulani.
<i>Helictotrichon pubescens</i>	Hairy Oat	Track margins in forest at Posalz.
<i>Helictotrichon pratense</i>	Meadow Oat	Low cliff at Fontanafredda. [Some probably referable to <i>H. praeustum</i>]
<i>Arrhenatherum elatius</i>	False Oat-grass	Cimoliana.
<i>Koeleria pyramidata</i>	Pyramidal hair-grass	Dolomiti Friulani.
<i>Trisetum flavescens</i>	Yellow Oat-grass	Cimoliana.
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	Moist flushed ground at Fontanafredda.
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	Cimoliana etc.
<i>Anthoxanthum alpinum</i>	Alpine Vernal-grass	Fedaia.
<i>Agrostis alpina</i>	a bent-grass	Fedaia 2015.
<i>Agrostis rupestris</i>	a bent-grass	Passo di Giau 2012.
<i>Agrostis stolonifera</i>	Creeping Bent-grass	Posalz.
<i>Calamagrostis pseudophragmites</i>	a small-reed	River gravels lower down.
<i>Calamagrostis varia</i>	a small-reed	<i>Saxifraga hostii</i> site.
<i>Phleum pratense</i>	Timothy	Meadows.
<i>Phleum alpinum</i>	Alpine Cat's-tail	Fedaia.
<i>Phleum rhaeticum</i>	a cat's-tail	Fontanafredda.
<i>Phleum phleoides</i>	Purple-stem Cat's-tail	Dolomiti Friulani.
<i>Phleum hirsutum</i>	a cat's-tail	Fontanafredda.
<i>Alopecurus pratensis</i>	Meadow Foxtail	Meadows.
<i>Phragmites australis</i>	Common Reed	Vajont.
<i>Molinia caerulea</i>	Purple Moor-grass	Moist grass at Fontanafredda.
<i>Nardus stricta</i>	Mat-grass	Dry turf at Fontanafredda etc.
<i>Setaria verticillata</i>	Rough Bristle-grass	This species recorded?
<i>Sorghum halepense</i>		Roadsides lower down.
<i>Typhaceae</i>		
<i>Typha latifolia</i>	Bulrush	Roadsides lower down.
<i>Liliaceae</i>		
<i>Tofieldia calyculata</i>	Tofield's Asphodel	Flushes at Dolomiti Friulani and Fontanafredda.
<i>Veratrum album</i>	White False-helleborine	Widespread in flower.
<i>Asphodelus albus</i>	White Asphodel	In fruit San Boldo 2010.
<i>Anthericum ramosum</i>	Branched St. Bernard's Lily	A few at San Lucano, and Cimoliana. 2009.
<i>Paradisea liliastrum</i>	St. Bruno's Lily	Below Fedaia.
<i>Hemerocallis lilio-asphodelus</i>	a day lily	An intriguing probable endemic, Val Cimoliana. Several in fine flower.
<i>Hemerocallis fulva</i>	a day lily	Naturalised.
<i>Colchicum autumnale</i>	Meadow Saffron	In fruit, e.g. Cimoliana meadows.

<i>Lloydia serotina</i>	Snowdon Lily	Many at Fedaia.
<i>Gagea fragifera</i>		2 in Passo di Giau marsh, 2014.
<i>Lilium martagon</i>	Martagon Lily	Forest edges and meadows: Dolomiti Friulani, San Lucano, Giau, and Fedaia.
<i>Lilium bulbiferum</i>	Orange Lily	Locally very common. [some without bulbils: var. <i>croceum</i>].
<i>Allium schoenoprasum</i>	Chives	In bud in Valparola marsh and Fontanafredda.
<i>Allium victorialis</i>	Alpine Leek	In bud at Fedaia 2014.
<i>Allium carinatum</i>	Keeled Garlic	San Boldo 2010.
<i>Allium vineale</i>	Crow Garlic	Fontanafredda 2013.
<i>Convallaria majalis</i>	Lily-of-the-valley	Scattered in leaf. 1 in flower Cimoliana.
<i>Maianthemum bifolium</i>	May-lily	Cimoliana.
<i>Streptopus amplexifolius</i>		Gares.
<i>Polygonatum verticillatum</i>	Whorled Solomon's-seal	San Lucano and Cimoliana.
<i>Polygonatum multiflorum</i>	Solomon's Seal	San Boldo 2010.
<i>Polygonatum odoratum</i>	Scented Solomon's-seal	In fruit at San Lucano 2015.
<i>Paris quadrifolia</i>	Herb Paris	Cimoliana and Gares.
Iridaceae		
<i>Crocus albiflorus</i>	White Crocus	In flower by recent snowmelt at Fedaia.
Orchidaceae		
<i>Cypripedium calceolus</i>	Lady's Slipper Orchid	Many in fine flower at Cimoliana, c.6 at Sottoguda, and the one below Staulanza over this year.
<i>Epipactis palustris</i>	Marsh Helleborine	Just coming into flower at Dont. Also Vajont.
<i>Epipactis helleborine</i>	Broad-leaved Helleborine	In leaf at Cimoliana.
<i>Epipactis atrorubens</i>	Dark Red Helleborine	Vajont.
<i>Cephalanthera damasonium</i>	White Helleborine	Several in Monte Grappa woods 2010.
<i>Cephalanthera longifolia</i>	Sword-leaved Helleborine	1 at Cimoliana.
<i>Cephalanthera rubra</i>	Red Helleborine	1, San Osvaldo.
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	Rather widespread this year, e.g. Val Cimoliana and Claut.
<i>Listera ovata</i>	Twayblade	Scattered records.
<i>Listera cordata</i>	Lesser Twayblade	9 near Staulanza.
<i>Goodyera repens</i>	Creeping Lady's Tresses	Last stop on Day 4, 2013.
<i>Platanthera bifolia</i>	Lesser Butterfly Orchid	Widespread, common in Dolomiti Friulani. Several at Fedaia.
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	Gares 2007. 2010 1 at the Monte Grappa lunch site.
<i>Chamorchis alpina</i>	False Orchid	Several fine spikes at Valparola at a reliable site for the species.
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Widespread and often common. Seen daily.
<i>Gymnadenia odoratissima</i>	Short-spurred Fragrant Orchid	Several at Andraz, Dolomiti Friulani etc., in previous years. Not seen 2016.
<i>Pseudorchis albida</i>	Small White Orchid	Grassy places e.g. Fontanafredda, Passo di Giau, and Passo di Fedaia.
<i>Nigritella rhellicani</i>	Black Vanilla Orchid	Fontanafredda and Fedaia.
<i>Nigritella rubra</i>	Red Vanilla Orchid	Only 1 this year, below the Passo di Giau.
<i>Coeloglossum viride</i>	Frog Orchid	Short turf, Fontanafredda, Fedaia, etc.
<i>Dactylorhiza sambucina</i>	Elder-flowered Orchid	Fontanafredda, a few of both purple form and yellow form, still just in flower.
<i>Dactylorhiza cruenta</i>	Flecked Marsh Orchid	Possibly this species at Fontanafredda 2013.
<i>Dactylorhiza majalis</i>	Alpine Marsh Orchid	Very common in wet areas over 1800m, Passo di Giau, Duran, Staulanza, and Fontanafredda etc.

<i>Dactylorhiza lapponica</i>	a marsh orchid	This species at Dont.
<i>Dactylorhiza fuchsii</i>	Common Spotted Orchid	Locally very common in woods and meadows e.g. Dolomiti Friulani and Gares. Several at Fontanafredda.
<i>Traunsteinera globosa</i>	Round-headed Orchid	Several in grassland at Fontanafredda.
<i>Orchis ustulata</i>	Burnt Orchid	One at Cimoliana, the first seen on the tour since 2008!
<i>Orchis militaris</i>	Military Orchid	Several at Fedaia. = <i>Orchis ovalis</i> , <i>Orchis mascula</i> ssp. <i>ovalis</i> , or <i>Orchis mascula</i> ssp. <i>signifera</i> .
<i>Orchis mascula</i>	Early Purple Orchid	Cimoliana meadows.
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	A few at Vajont.
<i>Ophrys insectifera</i>	Fly Orchid	Several in flower below Staulanza.
<i>Corallorhiza trifida</i>	Coralroot Orchid	2 at San Osvaldo, 5 at Posalz.
<i>Malaxis monophyllos</i>	Single-leaved Bog Orchid	Apparently this hybrid with both parents on Passo Fedaia, 2008.
<i>Nigritella rubra x Gymnadenia conopsea</i>		And 1 below Passo Giau in 2011 and 2012.
<i>Nigritella rhellicani x Gymnadenia conopsea</i>		1 at Fedaia.
<i>Dactylorhiza majalis x Gymnadenia conopsea</i>		Apparently this hybrid at Falzarego 2011.

Systematic List Number 2 Butterflies

The nomenclature and the systematic order follow Tolman and Lewington's *Butterflies of Britain and Europe* published by HarperCollins (1997). Species not seen this year are annotated with the year in which they were last seen. Species added this year are annotated 2016.

Papilionidae

Swallowtail	<i>Papilio machaon</i>	Dolomiti Friulani and San Lucano.
Scarce Swallowtail	<i>Iphiclides podalirius</i>	Seen on arrival day, 2015.
Apollo	<i>Parnassias apollo</i>	Vajont and Belvedere.
Clouded Apollo	<i>Parnassius mnemosyne</i>	1 at Gares.

Pieridae

Large White	<i>Pieris brassicae</i>	Cimoliana.
Black-veined White	<i>Aporia crataegi</i>	Numerous Dolomiti Friulani, a few elsewhere.
Small White	<i>Artogeia rapae</i>	A few records.
Green-veined White	<i>Artogeia napi</i>	Scattered records.
Mountain Green-veined White	<i>Artogeia bryoniae</i>	Gares, Falzarego, and Andraz.
Orange-tip	<i>Anthocharis cardamines</i>	Gares, 2016.
Clouded Yellow	<i>Colias crocea</i>	A few records 2016.
Berger's Clouded Yellow	<i>Colias alfacariensis</i>	Vajont and Day 9 2014.
Brimstone	<i>Gonepteryx rhamni</i>	Widespread in small numbers.
Wood White	<i>Leptidea sinapis</i>	Widespread.

Lycaenidae

Blue-spot Hairstreak	<i>Satyrium spini</i>	1 at Vajont.
Green Hairstreak	<i>Callophrys rubi</i>	Cimoliana.
Sooty Copper	<i>Lycaena tityrus</i>	Sottoguda and Day 9.
Purple-edged Copper	<i>Lycaena hippothoe</i>	Fontanafredda 2016.
Little Blue	<i>Cupido minimus</i>	Widespread.
Osiris Blue	<i>Cupido osiris</i>	A male at Fedaiia 2016.
Holly Blue	<i>Celastrina argiolas</i>	1 at Claut 2016.
Mountain Alcon Blue	<i>Maculinea rebeli</i>	Vajont 2014.
Large Blue	<i>Maculinea arion</i>	Andraz and Day 8, 2016.
Silver-studded Blue	<i>Plebejus argus</i>	Day 3, 2015.
Idas Blue	<i>Plebejus idas</i>	Cimoliana and San Lucano.
Brown Argus	<i>Aricia agestis</i>	Day 9.
Mountain Argus	<i>Aricia artaxerxes</i>	A few records 2014.
Mazarine Blue	<i>Cyaniris semiargus</i>	Widespread in small numbers.
Escher's Blue	<i>Agrodiaetus escheri</i>	Sottoguda 2014.
Amanda's Blue	<i>Agrodiaetus amanda</i>	A male at Sottoguda.
Chalk-hill Blue	<i>Lysandra coridon</i>	Cimoliana.
Adonis Blue	<i>Lysandra bellargus</i>	Dolomiti Friulani 2016.
Common Blue	<i>Polyommatus icarus</i>	Dolomiti Friulani.

Riodinidae

Duke of Burgundy Fritillary	<i>Hamaeris lucina</i>	Numerous in Cimoliana.
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Nymphalidae

Purple Emperor	<i>Apatura iris</i>	2 at San Lucano 2016.
White Admiral	<i>Limenitis camilla</i>	San Lucano.
Hungarian Glider	<i>Neptis rivularis</i>	Several in Val Cimoliana.
Red Admiral	<i>Vanessa atalanta</i>	Scattered records.
Painted Lady	<i>Vanessa cardui</i>	Numerous in 2009, none in 2008, on only 2 days in 2010. A very worn individual at Fontanafredda 2011. Not seen 2012. 2013 on 4 days. 2014 only on one day. 2015 on 4 days. 2016, seen on 6 days.

Small Tortoiseshell	<i>Aglais urticae</i>	Widespread in small numbers.
Comma	<i>Polygonia c-album</i>	1 at Gares.
Silver-washed Fritillary	<i>Argynnis paphia</i>	1 at San Lucano.
Dark Green Fritillary	<i>Argynnis aglaja</i>	Claut 2015.
High Brown Fritillary	<i>Argynnis adippe</i>	Vajont 2014.
Titania's Fritillary	<i>Clossiana titania</i>	Sottoguda 2014.
Pearl-bordered Fritillary	<i>Clossiana euphrosyne</i>	A few records.
Thor's Fritillary	<i>Clossiana thore</i>	Fontanafredda, Gares, and Sottoguda, 2015.
Spotted Fritillary	<i>Melitaea didyma</i>	Settimana 2014.
False Heath Fritillary	<i>Melitaea diamina</i>	A few records.
Heath Fritillary	<i>Mellicta athalia</i>	San Osvaldo.
Provencal Fritillary	<i>Mellicta deione</i>	1 at San Lucano 2016.
Asian Fritillary	<i>Hypodryas intermedia</i>	1 in Gares valley 2016.
Marsh Fritillary	<i>Euphydryas aurinia</i>	A few at higher altitudes, <i>glaceigenita</i> , 2015.

Satyridae

Marbled White	<i>Melanargia galathea</i>	Vajont.
Alpine Grayling	<i>Oeneis glacialis</i>	Fedaia 2015.
Arran Brown	<i>Erebia ligea</i>	Widespread and locally common in previous years. Not seen 2016.
Large Ringlet	<i>Erebia euryale</i>	Scattered records 2015.
Mountain Ringlet	<i>Erebia epiphron</i>	1 at Fedaia, 2016.
Woodland Ringlet	<i>Erebia medusa</i>	Widespread in small numbers.
Almond-eyed Ringlet	<i>Erebia alberganus</i>	Giau and Fontanafredda, 2015.
Common Brassy Ringlet	<i>Erebia cassioides</i>	4 on Day 9 2014.
Bright-eyed Ringlet	<i>Erebia oeme</i>	Day 8, 2016.
Dewy Ringlet	<i>Erebia pandrose</i>	Scattered high altitude records.
Meadow Brown	<i>Maniola jurtina</i>	1, Cimoliana, 2014.
Small Heath	<i>Coenonympha pamphilus</i>	Dolomiti Friulani.
Pearly Heath	<i>Coenonympha arcania</i>	Locally common, as in Dolomiti Friulani.
Alpine Heath	<i>Coenonympha gardetta</i>	Fontanafredda and Day 9.
Speckled Wood	<i>Pararge aegeria</i>	Cimoliana and Gares.
Large Wall Brown	<i>Lasiommata maera</i>	Fontanafredda.
Woodland Brown	<i>Lopinga achine</i>	Dolomiti Friulani, San Lucano, and Andraz, locally common.

Hesperidae

Grizzled Skipper	<i>Pyrgus malvae</i>	Cimoliana.
Large Grizzled Skipper	<i>Pyrgus alveus</i>	Day 9 2014.
Oberthur's Grizzled Skipper	<i>Pyrgus armoricanus</i>	A few records, 2015.
Olive Skipper	<i>Pyrgus serratulae</i>	Fontanafredda.
Alpine Grizzled Skipper	<i>Pyrgus andromedae</i>	Fedaia 2015.
Dingy Skipper	<i>Erynnis tages</i>	Scattered records.
Large Chequered Skipper	<i>Heteropterus morpheus</i>	Dolomiti Friulani.
Chequered Skipper	<i>Carterocephalus palaemon</i>	c.5 Cimoliana.
Essex Skipper	<i>Thymelicus lineola</i>	Scattered records.
Small Skipper	<i>Thymelicus sylvestris</i>	Scattered records.
Large Skipper	<i>Ochlodes venatus</i>	Scattered records.
Silver-spotted Skipper	<i>Hesperia comma</i>	Day 3, 2016.

Systematic List Number 3 Birds

Cormorant	<i>Phalacrocorax carbo</i>	Venice area.
Great Egret	<i>Egretta alba</i>	North of Venice.
Little Egret	<i>Egretta garzetta</i>	North of Venice.
Grey Heron	<i>Ardea cinerea</i>	Scattered records.
Mute Swan	<i>Cygnus olor</i>	Alleghe.
Mallard	<i>Anas platyrhynchos</i>	Alleghe.
Honey Buzzard	<i>Pernis apivorus</i>	1 at Cimoliana, 1 at Rocca Pietore.
Black Kite	<i>Milvus migrans</i>	En route to Venice.
Common Buzzard	<i>Buteo buteo</i>	Scattered records.
Common Kestrel	<i>Falco tinnunculus</i>	Scattered records.
Corncrake	<i>Crex crex</i>	Notable was one calling in a meadow at Posalz.
Black-headed Gull	<i>Larus ridibundus</i>	Venice area.
Yellow-legged Gull	<i>Larus cachinnans</i>	Venice area.
Rock Dove	<i>Columba livia</i>	Towns, especially in the lowlands.
Woodpigeon	<i>Columba palumbus</i>	Scattered records.
Collared Dove	<i>Streptopelia decaocto</i>	Seen on the first day.
Common Swift	<i>Apus apus</i>	Scattered records.
Black Woodpecker	<i>Dryocopus martius</i>	Heard and seen briefly at the Claut dinosaur footprint site.
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Scattered records.
Crag Martin	<i>Ptyonoprogne rupestris</i>	Widespread and reasonably common.
Swallow	<i>Hirundo rustica</i>	Scattered records.
House Martin	<i>Delichon urbica</i>	Widespread.
Tree Pipit	<i>Anthus trivialis</i>	Scattered records.
Water Pipit	<i>Anthus spinoletta</i>	Above 2200m on three days.
Grey Wagtail	<i>Motacilla cinerea</i>	Widespread near streams.
White Wagtail	<i>Motacilla a. alba</i>	Widespread in small numbers.
Dipper	<i>Cinclus cinclus</i>	Gares and Sottoguda.
Wren	<i>Troglodytes troglodytes</i>	Scattered records.
Dunnock	<i>Prunella modularis</i>	Scattered records.
Robin	<i>Erithacus rubecula</i>	Scattered records.
Black Redstart	<i>Phoenicurus ochruros</i>	Common around the hotels and seen also at various other sites.
Common Redstart	<i>Phoenicurus phoenicurus</i>	Daily at the Pineta.
Northern Wheatear	<i>Oenanthe oenanthe</i>	Scattered high altitude records.
Ring Ouzel	<i>Turdus torquatus</i>	Giau.
Blackbird	<i>Turdus merula</i>	Widespread.
Fieldfare	<i>Turdus pilaris</i>	A few records.
Song Thrush	<i>Turdus philomelos</i>	Scattered records.
Mistle Thrush	<i>Turdus viscivorus</i>	Scattered records.
Lesser Whitethroat	<i>Sylvia curruca</i>	A few records.
Garden Warbler	<i>Sylvia borin</i>	Heard often.
Blackcap	<i>Sylvia atricapilla</i>	Widespread, mostly heard.
Bonelli's Warbler	<i>Phylloscopus bonelli</i>	Often heard, especially in Dolomiti Friulani.
Chiffchaff	<i>Phylloscopus collybita</i>	Widespread. Heard often.
Goldcrest	<i>Regulus regulus</i>	Often heard.
Marsh Tit	<i>Parus palustris</i>	Scattered records.
Crested Tit	<i>Parus cristatus</i>	A few records, e.g. Claut.
Coal Tit	<i>Parus ater</i>	Scattered records.

Blue Tit	<i>Parus caeruleus</i>	Scattered records.
Great Tit	<i>Parus major</i>	Scattered records.
Red-backed Shrike	<i>Lanius collurio</i>	Only near Agordo.
Jay	<i>Garrulus glandarius</i>	Widespread.
Magpie	<i>Pica pica</i>	Venice area etc.
Nutcracker	<i>Nucifraga caryocatactes</i>	Above the tree line at Falzarego, and at Andraz.
Alpine Chough	<i>Pyrrhonorax graculus</i>	Quite common above 2000m, and often very tame.
Carrion Crow	<i>Corvus corone corone</i>	Widespread.
Hooded Crow	<i>Corvus corone cornix</i>	Lower altitudes.
Raven	<i>Corvus corax</i>	Widespread.
Starling	<i>Sturnus vulgaris</i>	Venice area.
House Sparrow	<i>Passer domesticus</i>	Widespread.
Italian Sparrow	<i>Passer domesticus</i>	<i>italiae</i> in Cimolais and probably elsewhere.
Snow Finch	<i>Montifringilla nivalis</i>	Fedaia and Marmolada.
Chaffinch	<i>Fringilla coelebs</i>	Widespread and common.
Serin	<i>Serinus serinus</i>	Widespread.
Greenfinch	<i>Carduelis chloris</i>	Scattered records.
Goldfinch	<i>Carduelis carduelis</i>	Widespread in small numbers.
Linnet	<i>Carduelis cannabina</i>	Scattered records.
Redpoll	<i>Carduelis flammea</i>	Passo di Giau.
Common Crossbill	<i>Loxia curvirostra</i>	1 at Fedaia.
Bullfinch	<i>Pyrrhula pyrrhula</i>	Scattered records.
Yellowhammer	<i>Emberiza citrinella</i>	Fedaia.

Systematic List Number 4

Mammals, Reptiles & Amphibians

Common Mole	<i>Talpa europaea</i>	Hills noted.
Alpine Marmot	<i>Marmota marmota</i>	Seen or heard on several days, such as on Passo de Fedaiia and Passo di Giau.
Snow Vole	<i>Chionomys nivalis</i>	1 seen by PGC from the Marmolada chairlift, 2007.
Red Squirrel	<i>Sciurus vulgaris</i>	A few signs of feeding.
Hazel Dormouse	<i>Muscardinus avellanarius</i>	One seen well, if briefly, in the middle of the day (!), at San Lucano, 2016.
Alpine Chamois	<i>Rupicapra rupicapra</i>	1 at Fedaiia.
Alpine Ibex	<i>Capra ibex</i>	A male at Fedaiia 2013.
Wild Boar	<i>Sus scrofa</i>	Signs only.
Badger	<i>Meles meles</i>	A lower jaw found in Sottoguda gorge, 2009.
Hare	<i>Lepus europaeus</i>	Feltre area 2010.
Mountain Hare	<i>Lepus timidus</i>	Droppings at higher altitudes.
Adder	<i>Vipera berus</i>	1 at Posalz, and a few dead individuals. 2005.
Asp Viper	<i>Vipera aspis</i>	1 seen very well at Fedaiia 2013 and 2015.
Grass Snake	<i>Natrix natrix</i>	1 in Settimana Valley, 2012. San Lucano lake 2016.
Dice Snake	<i>Natrix tessellata</i>	1 at Gares. 2005. Fontanafredda 2010.
Smooth Snake	<i>Coronella austriaca</i>	Dead individuals at Cimoliana and Claut, 2016.
Slow Worm	<i>Anguis fragilis</i>	2 dead near Posalz. 2005. Selva di Cadore 2011.
Common Lizard	<i>Lacerta vivipara</i>	Scattered records.
Common Wall Lizard	<i>Podarcis muralis</i>	Scattered records.
Common Frog	<i>Rana temporaria</i>	Scattered records.
Common Toad	<i>Bufo bufo</i>	Scattered records.
Fire Salamander	<i>Salamandra salamandra</i>	Larvae Settimana, 2015.
Alpine Newt	<i>Triturus alpestris</i>	A few in Settimana Valley 2013.
Alpine Salamander	<i>Salamandra atra</i>	1 in the Sottoguda Gorge, 2006, a superb find.