

## Italy

Total no. of Botanic Gardens recorded in Italy: 107.

Approx. no. of living plant accessions recorded in these botanic gardens: 400,000 to 500,000

Approx. no. of taxa in these collections: c.15,000 (c.12,000).

Estimated % of pre-CBD collections: 90% to 95%

Location: ABETONE

Founded: 1987

Garden Name: Orto Botanico Forestale dell'Abetone.

Address: Comando Stazione Forestale, Fontana Vaccaia, 51021 ABETONE.

Status: State

Herbarium: Yes    Approx. no. of herbarium specimens: Unknown

Ex situ Collections:

Includes alpinas, flora of Appennines, *Abies alba*, *Fagus sylvatica*, *Laburnum anagyroides*, *Sorbus aucuparia*, *Picea abies*, *Caltha palustris*, *Pinguicula leptoceras*, *Viola palustris*, *Gentiana kochiana*, *Gentiana asclepiadea*, *Gentiana verna*, *Gentiana purpurea*, *Saxifraga paniculata*, *Saxifraga etrusca*, *Saxifraga lingulata*, *Primula officinalis*, *Primula auricola*, *Vaccinium myrtillus*, *Vaccinium vitis-idaea*, *Vaccinium gaultherioides*, *Lilium martagon*, *Lilium croceum*, *Primula appennina*, *Murbeckiella zanonii*, *Rhododendron ferrugineum*, *Cicerbita alpina*, *Lychnis alpina*, *Sempervivum tectorum*, *Dryas octopetala*, *Campanula cochlearifolia*, *Globularia incanescens*, *Genista pilosa*, *Draba aizoides*, *Santolina pinnata*, *Geranium argenteum*.

No. of taxa: 3,000

Rare & Endangered plants: Unknown

- Giardino "Aquilegia" dell'Abetone (located 3km south of Passo dell'Abetone in "Le Regine"). Ex situ Collections: Alpine and rock garden plants in limestone environment.
- Giardino Botanico e Arboreto appenninico del Parco Nazionale d'Abruzzo, via Santa Lucia, 67032 Pescasseroli ABRUZZO (AQ) (Central office, viale delle Medaglie, d'Oro 141, 00136, Rome. Status: National Park. Ex situ Collections include *Daphne mezereum*, *Juniperus nana*, *Vaccinium myrtillus*, *Pinus mugo*, *Rhamnus pumilus*, *Rosa pendulina*, *Salix retusa*, *Arctostaphylos uva-ursi*, *Quercus ilex* and other flora of the Abruzzi National Park, which includes approximately 2,000 higher species of plants, such as *Fagus sylvatica*, *Pinus nigra*, *Cypripedium calceolus*, *Acer pseudoplatanus*, *Quercus cerris*, *Iris marsica*, *Usnea florida*, *Acer opalus*, *A. pseudoplatanus*, *A. lobelii*, *Sorbus aucuparia* and *S. aria*, *Taxus baccata*, *Laburnum anagyroides*, *Ostrya carpinifolia*, *Corylus avellana*, *Acer monspessulanum* and *A. campestre*, *Malus sylvestris*, *Prunus spinosa* and *Prunus mahaleb*, *Quercus pubescens*, *Carpinus betulus*, *Fraxinus excelsior*, *Populus nigra*, *Populus alba*, *Salix alba* and *Salix caprea*, *Tilia platyphyllos*, *Celtis australis* and *Alnus glutinosa*, *Arbutus unedo*, *Laurus nobilis*, *Cercis siliquastrum*, *Castanea sativa*, *Juniperus communis* var. *nana*, *Vaccinium myrtillus* and *Arctostaphylos uva-ursi*, *Lilium bulbiferum croceum*, *L. martagon*, *Quilegia ottonis*, *Gentiana dinarica* and *Marsica iris*.

Location: ASSISI

Founded: c.1995-96

Garden Name: Assisi Herb Garden

Address: C.P. 107, Vicolo St Stefano, ASSISI 06081 PG.

Status: Unknown

Herbarium: No.

Ex situ Collections:

No information available.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: BERGAMO

Founded: 1972

Garden Name: Giardino Botanico "Lorenzo Rota"

Address: Piazza Cittadella 10, I-24129 BERGAMO.

Status: Municipal

Herbarium: Yes    Approx. no. of herbarium specimens: 40,000

Ex situ Collections:

Peat bog plants, Italian natives, exotic and Mediterranean plants, succulents, aquatics, alpine.  
Collections include: *Opuntia dillenii*, *Euphorbia bubalina*, *Aeonium arboreum*, *Genista aetnensis*,  
*Myrtus communis*, *Cistus salvifolius*, *Acanthus mollis*, *Euphorbia characias*, *Lavandula stoechas*, *L.*  
*latifolia*, *Ceratonja siliqua*, *Erica arborea*, *Campanula elatinoidea*, *Telekia speciosissima*, *Campanula*  
*raineri*, *Primula glaucescens*, *Primula palinuri*, *Sanguisorba dodecandra*, *Amsonia tabernaemontani*,  
*Corylopsis spicata*, *Elsholtzia bodinieri*, *Grevillea rosmarinifolia*, *Agave marginata*.

No. of taxa: 600

Rare & Endangered plants: *Campanulaceae elatinoidea*, *Campanula raineri*, *Sitene elisabetha*, *Telekia*  
*speciosissima*, *Primula glaucescens*, *Sanguisorba dodecandra*, *Saxifraga presolanensis*, *Primula palinuri*  
*Petagna*, *Potentilla palustris*, *Allium insubricum*, *Mentha requienii*, *Potentilla pensylvanica*,  
*Physoplexis comosa*, *Campanula isophylla*, *Hippuris vulgaris*, *Marsilea quadrifolia*, *Osmunda regalis*,  
*Lycopodiella inundata*, *Liparis loeselii*.

Location: BOLOGNA

Founded: 1568

Garden Name: Orto Botanico dell'Università

Address: Dipartimento di Biologia Evoluzionistica Sperimentale, Università di Bologna, Via Imerio 42,  
40126 BOLOGNA.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 130,000

Ex situ Collections:

Collections of medicinal and aromatic, aquatic and exotic plants, tropical, succulent and alpine.  
*Cactaceae*, *Abies*, *Araucaria*, *Cephalotaxus*, *Ginkgo*, *Metasequoia*, *Picea*, *Pinus*, *Sequoia*, *Taxus*,  
*Nymphaea alba*, *Nuphar lutea*, *Nymphoides peltata*, *Phragmites australis*, *Typha*, *Carex alata*,  
*Bromeliaceae*, *Welwitschia mirabilis*, *Epithelantha fungifera*, *Crassula*, *Haworthia*, *Lithops*, *Cactaceae*,  
*Crassulaceae*, *Agavaceae*, *Agave victoriae-reginae*, *Pachypodium*, *Euphorbiaceae*, *Liliaceae*, *Aloe*,  
*Euphorbia*, *Magnolia*, *Ginkgo*, *Cryptomeria*, *Pinus brutia*, *Dionaea*, *Drosera*, *Nepenthes*.

No. of taxa: approximately 5,000 (1,500 spp.).

Rare & Endangered plants: Local endangered plants.

Location: BOLOTANA

Founded: Unknown

Garden Name: Il Giardino Botanico Montano di Badde Salighes

Address: BOLOTANA, Sardinia.

Status: Unknown

Herbarium: Unknown

Ex situ Collections:

No information available

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: BORMIO

Founded: 1979

Garden Name: Giardino Botanico Alpino Rezia

Address: Parco Nazionale dello Stelvio, Via Monte Braulio, 56, 23032 Bormio.

Status: State

Herbarium: Yes Approx. no. of specimens: Unknown

Ex situ Collections:

Over 1,200 spp. including *Linnaea borealis*, *Cypripedium calceolus*, *Cortusa matthioli*, *Trientalis*  
*europaea*, *Androsace alpina*, *Ranunculus glacialis*, *Primula glutinosa*, *Achillea atrata*, *Polemonium*  
*coeruleum*, *Primula daonensis*, *Gentiana punctata*, *Allium*, *Achillea*, *Aquilegia*, *Dianthus*, *Gentiana*,  
*Leontopodium*, *Potentilla*, *Primula*, *Ranunculus*, *Salvia*, *Saxifraga*, *Silene*, *Viola*, *Pinus sylvestris*,  
*Pinus mugo* and *Pinus uncinata*, *Larix decidua*, *Pinus cembra*, *Pinus sylvestris*, subsp. *engadinensis*,  
*Picea abies*, *Abies alba*, *Taxus baccata*, *Juniperus communis*, *Caltha palustris*, *Trientalis europaea*,  
*Leontopodium alpinum*, *Drosera anglica*, *Paludella squarrosa*, *Polemonium coeruleum*. Flora of Stelvio  
National Park.

No. of taxa: 2,120

Rare & Endangered plants: Unknown

Location: CAGLIARI

Founded: 1769  
Garden Name: Orto Botanico dell'Università degli Studi  
Address: Viale Fra Ignazio de Laconi 13, I-09100 CAGLIARI, Sardinia.  
Status: University  
Herbarium: Yes Approx. no. of herbarium specimens: 5,000

Ex situ Collections:

Medicinal plants, succulents, *Ceratonia siliqua*, *Pinus halepensis*, *Olea europaea*, *Rhmnus alaternus*, *Pistacia lentiscus*, *Quercus ilex*, *Arbutus unedo*, *Erica arborea*, *Quercus calliprinos*, *Buxus balearica*, *Buxus sempervirens*, *Phoenix dactylifera*, *Chamaerops humilis*, *Syagrus romanzoffiana*, *Agave*, *Aloe*, *Euphorbia*, *Cactus*, *Cotyledon*, *Cereus* and *Opuntia*, *Ficus magnolioides*, *Cyathea cooperi* and *Dicksonia antarctica*, *Calidarium*, *Philodendron*, *Euphorbia canariensis*, *Cycadales*, *Nolina longifolia*, *Sterculia acerifolia*, *Maclura pomifera*, *Nymphaea alba*, *Eichornia crassipes*.

No. of taxa: 900

Rare & Endangered plants: Yes.

Special Conservation Collections: Vegetable collections, florid palms, succulents.

Location: CAMERINO

Founded: 1828

Garden Name: Orto Botanico dell'Università  
Address: Via Pontoni 5, I-62032 CAMERINO (Macerata).  
Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 25,000

Ex situ Collections:

Native flora, flora of Monti Sibillini (Central Appenines), medicinal plants, *Anthriscus nemorosa*, *Ranunculus lanuginosus*, *Datura stramonium*, *Atropa belladonna*, *Hyssopus officinalis*, *Leontopodium nivale*, *Edrajanthus graminifolius*, *Aubretia columnae*, *Matthiola fruticulosa*, *Brassica gravinae*, *Centaurea tenoreana*, *Viola eugeniae*, *Begonia*, *Kalanchoe beharensis*, *Stanhopea tigrina*, *Nepenthes phyllamphora*, *Cinnamomun camphora*, *Piper nigrum*, *Triticum*, *Leontopodium nivale*, *Euphorbia wulfenii*.

No. of taxa: 1,500

Rare & Endangered plants: Unknown

Location: CAMERINO

Founded: 1990

Garden Name: Arboretum Appenninicum, dell'Università di Camerino  
Address: Tuseggia di Camerino (MC), Dipartimento di Botanica ed Ecologia, Via Pontoni 5 - 62043, CAMERINO.

Status: University.

Ex situ Collections:

*Quercus pubescens*, *Fraxinus excelsior*, *Acer pseudoplatanus*, *Acer platanoides*, *Acer campestre*, *Tilia platyphyllos*, *Abies alba*, *Pinus mugo*, *Cryptomeria japonica*, *Pittosporum tobira*, *Pinus cembra sibirica*, *Anemone nemorosa*.

Location: CATANIA

Founded: 1858

Garden Name: Istituto ed Orto Botanico dell' Università  
Address: Università degli Studi Dipartimento di Botanica, Via Antonino Longo 19, I-95125 CATANIA, Sicilia.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 45,000

Ex situ Collections:

Succulents, palms and wild plants of Sicily, *Dracaena* and *Phytolacca*, *Washington filifera*, *W. robusta*, *Phoenix canariensis*, *Phoenix dactylifera*, *Caryota mitis*, *Butia eriostapha*, *Erythea edulis*, *Wilcoxia viperina*, *Trithrinax campestris*, *Trithrinax brasiliensis*, *Sabal*, *Chamaerops humilis* (macrocarpa, microcarpa and dactylocarpa), *Cactaceae*, *Echinocactus grusonii*, *Cereus*, *Mammillaria*, *Blossfeldia liliputana*, *Pereskia grandifolia*, *Lithops*, *Euphorbia abyssinica*, *E. candelabrum*, *Xerosycios danguyi*, *Cissus juttæ*, *Senecio rowleyanus*, *S. pendulus*, *S. ariculatus*, *Phytolacca dioica*, *Ficus glabella* and *Ficus capensis*, *Dracaena draco*, *Cupressus macrocarpa*, *Eucalyptus citriodora*, *Abies nebrodensis*, *Centaurea tauromentana*, *Anthemis ismelia*, *Scilla dimartinoi*, *Salix gussonei*, *Woodwardia radicans*, *Cytisus aeolicus*, *Fraxinus ornus*, *Ceratonia siliqua*, *Quercus fontanesii* *Celtis aetnensis*, *Aloe*

arborescens, Allium, Limonium, Salix, Allium, Zea mays, Triticum durum, Nymphaea alba, Ranunculus, Caltha palustris, Ruscus hypophyllum, Iris, Convallaria, Asparagus, Botrychium, Opuntia, Vicia, Elodea, Marsilea quadrifolia, Equisetum, Aristolochia littoralis, Clematis vitalba, Piper geniculatum, Curcubita, Ruscus aculeatus, Secale, Juncus inflexus, Tulipa, Acorus calamus, Ginkgo biloba, Cephalotaxus, Pinus, Leonorus cardiaca, Ricinus communis, Tilia, Aristolochia, Clematis, Populus, Aloe, Beta vulgaris, Gleichenia, Lycopodium, Botrychium virginianum, Dennstaedtia punctilobula, Marsilea quadrifolia, Osmunda, Lavendula, Cyperus papyrus, Platanus orientalis, Acacia, Pittosporum tobira, Nerium oleander, Begonia, Fagus, Arundo donax, Ammophila arenaria, Mnium, Drosera, Euphorbia tirucalli, Curcubita pepo, Digitalis purpurea, Pinguicula, Urtica dioica, Ampelodesmos mauritanica, Urginea maritima, Verbascum, Quercus ilex, Olea europaea.

No. of taxa: 7,500

Rare & Endangered plants: Yes

Location: CATANIA

Garden Name: Giardino Botanico "Nuova Gussonea"

Founded: 1979

Address: Contrada Carpinteri, 95038 Ragalna (CT), Istituto di Biologia ed Ecologia Vegetale dell'Università di Catania, Via Etnea 440, 95125 Catania, Sicily. (located on the slopes of Mt. Etna).

Status: University.

Herbarium: Yes. Approx. no of specimens: Unknown.

Ex situ Collections:

Astragaletum siculi, Festuca circummediterranea, Quercus pubescens, Quercus cerris, Fagus sylvatica and Betula aetnensis.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: CATANIA

Garden Name: Orto dei semplici elbano

Founded: Unknown

Address: Hermitage S. Caterina, Mount Serra, nr Rio nell'Elba, Catania, Sicily.

Ex situ Collections:

A small botanic garden for the wild flowers of the Tuscan Archipelago with medicinal and endemic plants, situated in the Eastern part of Elba, the Hermitage S. Caterina.

No. of taxa: Unknown.

Rare and endangered plants: Unknown.

Location: COGNE

Founded: 1955

Garden Name: Giardino Alpino Paradisia

Address: Parco Nazionale Gran Paradiso, I-11012 Valnontey, COGNE 11012

Status: State

Herbarium: Yes Approx. no. of herbarium specimens: 1,000

Ex situ Collections:

Berberis vulgaris, Rosa canina and Rosa pendulina, Sedum (S. reflexum, S. album), Sempervivum (S. arachnoideum, S. tectorum), mountain and alpine plants: Urtica dioica, Rumex alpinus, Chenopodium bonus-henricus, Pinguicula vulgaris, Eriophoron scheuchzeri, Dianthus, Achillea, Artemisia, Geranium, Saxifraga, Linnaea borealis, Astragalus centralpinus, Aethionema thomasianum, Saxifraga diapensioides.

No. of taxa: 1,000

Rare & Endangered plants: Aethionema thomasianum, Trifolium saxatile, Potentilla pennsylvanica.

Location: CORFINO

Garden Name: Orto Botanico "Pania di Corfino"

Founded 1984

Address: Loc. Pie' Magnano, 55030 Corfino, Villa Collemantina, Lucca. Status: Municipal.

Herbarium: Unknown

Ex situ Collections:

Fagus sylvatica, Castanea sativa, Carpinus betulus, Ostrya carpinifolia, Prunus mahaleb, Sambucus racemosa, Lonicera alpigena, Swertia perennis, Gentiana purpurea, Trollius europaeus, Geum rivale, Caltha palustris, Paeonia officinalis, Lilium bulbiferum, L. martagon, Orchis mascula, Cephalanthera

damasonium, Primula apennina, Erysimum pseudorhaeticum, Hesperis laciniata, Alyssoides utriculata, Linaria purpurea, Phleum ambiguum, Abies alba.

No. of taxa: Unknown

Rare & Endangered: Unknown

Location: COSENZA

Founded: 1982

Garden Name: Orto Botanico della Calabria Universit...

Address: I-87030 Arcavacata di Rende (CS), COSENZA.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 10,000

Ex situ Collections:

Over 400 species characteristic of the Calabria region. Cistus salvifolius, Cyclamen hederifolium, Pinus halepensis, P. pinea, Arbutus unedo, Phillyrea media, Quercus suber, Q. ilex, Quercus trojana, Quercus macrolepis, Quercus calliprinos, Quercus robur, Nelumbo nucifera, Isoetes (I. histrix, I. histrix subinermis, I. duriei), Polystichum setiferum, Polypodium australe, Woodwardia radicans.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: FERRARA

Founded: 1963 (on original site of 1772)

Garden Name: Istituto ed Orto Botanico dell'Universita di Ferrara

Address: Università di Ferrara, Corso Porta Mare 2, I-44100 FERRARA.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 11,000

Ex situ Collections:

Alismatidae, Arecidae, Commelinidae and Liliidae. Succulent and aromatic plants for industrial, domestic and cosmetic use, medicinal plants, exotic and sub tropical plants, Cycas revoluta, Livistona chinensis, Howea forsteriana. Arecaceae, Poaceae, Liliaceae, Zingiberaceae, Musaceae, Trachycarpus fortunei, Chamaerops humilis, Phoenix canariensis, Musa sapientum, M. acuminata, Lilium regale, Chrysanthemum cinerariifolium, Spartium junceum, Carpinus betulus, Quercus robur, Liquidambar styraciflua, Koelreuteria bipinnata, Osmanthus fragrans, Gymnocladus dioica, Toxicodendron radicans, Zantedeschia aethiopica, Cerastium tomentosum, Euonymus alatus and Acer palmatum, Iris germanica, Nymphaea alba, Nuphar lutea, Hippuris vulgaris, Marsilea quadrifolia, Cyperus papyrus, Eichhornia speciosa, Caltha palustris, Bergenia crassifolia, Cyclamen hederifolium, Reineckia carnea, Hedera helix, Sedum and Sempervivum, Pinus mugo, Carlina acaulis, Pulsatilla montana, Aubrieta deltoidea, Rosaceae, Citrus, Rutaceae, Punica granatum, Osmunda regalis, Thelypteris palustris, Hydrocotyle vulgaris, Drosera, Pinguicula, Ultricularia, Dionaea muscipula, Nepenthes and Sarracenia, Dischidia, Platycerium bifurcatum, Rhyncostylis retusa, Euphorbia candelabrum, Carnegiea gigantea, Euphorbiaceae (50 spp), Cactaceae (180 spp), Crassulaceae (80 spp), Liliaceae (150 spp), (grasses 600 spp. of 25 genera), Cereus, Opuntia, Echinocactus and Mammillaria, Lophophora williamsii. Eschscholtzia californica, Lavandula angustifolia, pteridophyta, Ginkgo biloba, Magnoliaceae, Hamamelidae, Caryophyllidae, Dilleniidae, Rosidae, Asteridae, Valeriana officinalis, Centranthus ruber, Valerianaceae, Dahlia.

No. of taxa: 2,800

Rare & Endangered plants: Unknown

Location: FLORENCE

Founded: 1545

Garden Name: Orto Botanico "Giardino dei Semplici"

Address: Università degli Studi di Firenze, Museo di Storia Naturale, Via P.A. Micheli, 3, 50121 FIRENZE.

Status: University

Herbarium: Yes, two. One established in 1842 with 3,600,000 herbarium specimens, housed at an associated institution, the Herbarium Universitatis Florentinae, Museo Botanico, Via G La Pira 4, 50121, Firenze, and a second established in 1904 with 350,000 specimens, housed at an associated institution, the Erbario Tropicale di Firenze, Via La Pira 4, I-50121 Firenze.

Ex situ Collections:

Cycads, palms, tropical plants, flora of Italy, ferns. Bromeliaceae, medicinal plants, succulents, endemics, carnivorous plants, Yucca, Azaleas, Roses, Ginkgo biloba, Euphorbiaceae, Asclepiadaceae,

Pteridophyta, Orchidaceae, Araceae, *Dioon spinulosum*, *Pachira alba*, *Amorphophallus titanum*, *Taxodium distichum*, *T. mucronatum*, *Cupressus funebris*, *C. goveniana*, *Cedrus deodara*, *C. libani*, *Abies nebrodensis*, *Pinus leucodermis*, *Dioon edule*, *Encephalartos altensteinii*, *Macrozamia riedlei*, *Stangeria eriopus*, *Ceratozamia mexicana*, *Dioon spinulosum*, *Cycas circinalis*, *Musa sapientum*, *Cyperus papyrus*, *Artocarpus altilis*, *Theobroma cacao*, *Coffea arabica*, *Persea gratissima*, *Astrocaryum mexicanum*, *Monstera deliciosa*, *Platyserium bifurcatum*, *Dendrobium aphyllum*, *Sarracenia purpurea*.  
No. of taxa: 3,000

Rare & Endangered plants: Yes

Special Conservation Collections: Ancient plants include *Pinus pyrenaica* (1835), *Taxus baccata* (1792), *Quercus suber* (1805). *Cedrus libani*, *C. atlantica*, *C. deodara* and *Taxodium* (*T. distichum* and *T. mucronatum*).

Location: FLORENCE

Founded: 1904/1959

Garden Name: Giardino Tropicale

Address: Istituto Agronomico per L'Oltremare, Via Antonio Cocchi 4, 50131 FLORENCE.

Status: State

Herbarium: No

Ex situ Collections:

Tropical and subtropical plants, ornamental, industrial, textile and agricultural such as pineapple, avocado, cocoa, Bromeliaceae, Cactaceae, *Cycas revoluta*, *Ravenala madagascariensis*, *Euphorbia tirucalli*, *Metasequoia glyptostroboides*.

No. of taxa: Unknown.

Rare & Endangered plants: Unknown

Location: FLORENCE

Founded: 1959

Garden Name: Societe Italiana dell'Iris

Address: Piazzale Michelangelo, 50100 Florence (and Societa Italiana dell'Iris, Via Bolognese 17 - 50139, Florence.)

Status: Private: (The Italian Iris Society)

Herbarium: No

Ex situ Collections:

*Iris* - *Iris pallida*, *I. germanica*, *I. florentina*, *I. albicans*, *I. lutescens*, *I. pseudopumila*, *I. pumila*, *I. spuria*, *I. sibirica*, *I. pseudoacorus*, *I. laevigata*, *I. unguicularis*, *I. kaempferi*.

No. of taxa: Unknown.

Rare & Endangered plants: Unknown

Special Conservation Collections: Iris

Location: GENOVA

Founded: 1803

Garden Name: Istituto ed Orto Botanico "Hanbury" dell'Universit...

Address: Corso Dogali 1c, I-16136 GENOVA. Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 80,000

Status: University

Ex situ Collections:

Collections include tropical and subtropical plants. *Ficus benjamina*, *Puya spathacea* and *Picea abies*, *Cycadaceae*, *Sesbania punicea*, *Acacia visco*, *Garrya fadyenii*, *Calliandra portoricensis*, *Erythrina crista-galli*, *Mangifera indica*, *Annona cherimolia*, *Theobroma cacao*, *Musa x paradisiaca*, *Monvillea spegazzinii*, *Euphorbia*, *Cactaceae*, *Adiantum* (23 spp), *Angiopteris evecta*, *Cibotium* (*C. schiedeii*, *C. wendlandii*, *C. regale*), *Cycadaceae* (*Encephalartos*, *Macrozamia*, *Cycas*), *Chamaerops humilis*, *Echium festuosum*, *Myrtus communis*, *Pastacia terebinthus*, *Juniperus oxycedrus*, *Thymus vulgaris*, *Helianthemum nummularium*, *Campanula sabatia*, *Scabiosa cretica*, *Euphorbia dendroides*, *Ampelodesmus mauritanicus*.

No. of taxa: 1,600

Rare & Endangered plants: Yes.

- Genoese Botanical Gardens (formerly in the Dinegro Botanical Gardens) in Genova. Ex situ Collections: *Sequoia sempervirens*, *Firmiana simplex*, *Gleditschia triacanthos* and *Arbutus andrachne*.

Location: GUARDIAGRELE

Garden Name: Giordana Botanico Della Majella "M. Tenore"

Founded: Unknown

Address: c/o National Park of Majella, Palazzo Di Sciascio, via Occidentale N.6, 66016, Guardiagrele (CH). (Situating on the Eastern slopes of the National Park)

Status: Unknown

Herbarium: Unknown

Ex situ Collections:

Medicinal flora, plants used for dyeing and tanning, oaks, beeches, high altitude shrubs, rare and endangered plants in Abruzzo. *Goniolimon italicum*, *Centaurea scannensis*, *Phlomis fruticosa*, *Juniperus oxycedrus*, *Myrtus communis*, *Vitex agnus-castus*, *Quercus pubescens*, *Q. cerris*, *Salix cinerea*, *S. foetida*, *Iris pseudacorus*, *Caltha palustris*, *Triturus cristatus*, *T. italicus*, *Centaurea scannensis*, *Iris marsica* and *Campanula fragilis*, *Saponaria bellidifolia*, *Aurinaria sinuata*, *Cymbalaria pallida*, *Drypis spinosa*, *Artemisia petrosa*, *Dryas octopetala*, *Sedum magellense*, *Leontopodium alpinum*, *Festuca dimorpha*, *Isatis allionii*, *Carduus crysacanthus*, *Carex otrubae*, *C. gracilis*, *Euphorbia gasparrinii*, *Deschampsia caespitosa*, *Phalaris arundinacea*, *Lathyrus pannonicus*, *Narcissus poeticus*, *Thalictrum aquilegifolium*, *Thalictrum simplex*, *Filipendula ulmaria*, *Filipendula vulgaris*, *Salvia officinalis*, *Glycyrriza glabra*, *Dracunculus vulgaris*, *Saponaria officinalis*, *Eupatorium cannabinum*, *Silybum marianum*, *Onopordum acanthium*, *Inula helenium*, *Achillea millefolium*, *Artemisia absinthium*, *Balsamita major*, *Matricaria chamomilla*, *Artemisia abrotanum*, *Artemisia dracunculus*, *Armoracia rusticana*, *Hypericum perforatum*, *Mentha aquatica*, *Mentha suaveolens*, *Salvia officinalis*, *Melissa officinalis*, *Hyssopus officinalis*, *Marrubium incanum*, *Origanum majorana*, *Salvia sclarea*, *Thymus serpyllum*, *Glycyrrhiza glabra*, *Allium schoenoprasum*, *Urginea maritima*, *Althaea officinalis*, *Lavatera thuringiaca*, *Chelidonium majus*, *Rumex alpestris*, *Rheum palmatum*, *R. rhabarbarum*, *Ruta graveolens*, *Conium maculatum*, *Pastinaca sativa*, *Peucedanum officinale*, *Valeriana officinalis*, *Verbena officinalis*, *Rhus coriaria*, *Cotinus coccygria*, *Isatis tinctoria*, *Reseda luteola*, *Rubia tinctorum*, *Beta hortensis*, *Beta vulgaris*, *Cynara cardunculus*, *Vicia narbonensis*, *Vicia sativa*, *Linum usitatissimum*, *Morus alba*, *Punica granatum*, *Ziziphus jujuba*, *Malus sylvestris*, *Crataegus azarolus*, *Mespilus germanica*, *Prunus domestica*, *Prunus domestica*, *Sorbus domestica*.

No. of taxa: Unknown

Rare & Endangered plants: Yes, rare and endangered plants of the region.

Location: L'AQUILA

Founded: 1967

Garden Name: Orto Botanico Università

Address: Piazza Annunziata 1, I-67100 L'AQUILA.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 34,000

Ex situ Collections:

Medicinal collections include: *Salvia sclarea*, *Atropa belladonna*, *Hesperis matronalis*, *Digitalis ferruginea*, *Lactuca virosa*, *Gentiana lutea*, *Ribes uva-crispa*, *R. multiflorum*, *R. idaeus*, *Glycine max*, *Crocus sativus*, *Lathyrus sativus*, *Allium sativum*, *Cicer arietinum*, *Senecio tenorei*, *Crepis lacera*, *Cynoglossum columnae*, *Verbascum mallowphrum*, *Viola* (gr. *calcarata*), *Campanula* (gr. *elatines*), *Romulea*, *Cerastium tomentosum*, *Matthiola fruticulosa*, *Arenaria bertolonii*, *Asphodeline liburnica*, *Astragalus aquilanus*, *Centaurea scannensis*, *Centaurea ambigua*, *Centaurea ceratophylla*, *Campanula cavolinii*, *Orlaya daucorlaya*, *Carduus crysacanthus*, *Viscum album*.

No. of taxa: 900

Rare & Endangered plants: *Euphorbia samnitica*, *Viola levieri*, *Goniolimon italicum*, central & south Italian endemics.

- Orto Botanico universitario and Giardino Botanico alpino, Viale di Collemaggio, 67100 L'Aquila.
- Giardino alpino, Campo Imperatore, (Gran Sasso), 67100 L'Aquila. Founded 1953. Status: University. Ex situ Collections: Alpines, aromatic and medicinal plants, *primula auricla*, *Papaver alpinus*, *Viola majellensis*, *Isatis allioni*, *Leontopodium nivale*, *Adonis distortus*, *Cynoglossum magellense*, *Gentiana lutea*, *Artemisia petrosa*. No. of taxa: 450.

Location: LATTE

Founded: 1867

Garden Name: Giardino Botanico Hanbury La Mortola

Address: I-18030 LATTE (Im.).

Status: State

Herbarium: Yes Approx. no. of herbarium specimens: 5,000

Ex situ Collections:

Include *Campanula portenschlagiana*, *Sempervivum calcareum*, *Eucommia ulmoides*, *Ginkgo biloba*, *Malus trilobata*, *Dioon edule*, *Encephalartos altensteinii*, *Encephalartos horridus*, *Encephalartos lehmannii*.

No. of taxa: 3,500

Rare & Endangered plants: Yes.

Special Conservation Collections: *Acacia*, *Agave*, *Aloe*, *Berberis*, *Eucalyptus*, *Rosa*, *Sempervivum*, *Citrus*, cycads.

Location: LECCE

Founded: Unknown

Garden Name: Orto Botanico Di Lecce

Address: Dipartimento di Biologia, Università degli Studi di Lecce, Via Prov. Lecce-Monteroni, 73100 LECCE

Status: University

Herbarium: Unknown

Ex situ Collections:

*Eucalyptus camaldulensis*, *Pinus halepensis*, orchids.

No. of taxa: Unknown

Rare & Endangered plants: Yes.

Special Conservation Collections: *Centaurea*, orchids - including 34 spp. from the local region, such as *Anacamptis pyramidalis*, *Orchis lactea*, *Epipactis microphylla* and *Limodorum abortivum*. *Aceras antropophorum* and *Orchis italica*, *Ophrys ciliata*, *Orchis saccata*, *Spiranthes spiralis*.

Location: LUCCA

Founded: 1820

Garden Name: Orto Botanico Comunale

Address: Via del Giardino Botanico, 12-14, I-55100 LUCCA.

Status: Municipal

Herbarium: Yes Approx. no. of herbarium specimens: 10,000

Ex situ Collections:

Medicinal plants, marsh plants, Ericaceae and Theaceae, *Cedrus libani*, *Chamaecyparis lawsoniana*, *Buxus balearica*, *Magnolia grandiflora*, *Metasequoia glyptostroboides*, *Gleditschia triacanthos*, *Michelia figo*, *Potamogeton poly gonifolius*, *Hottonia palustris*, *Drosera rotundifolia*, *Hibiscus palustris*, *Acorus calamus*, *Alkanna tinctoria*, *Borago officinalis*, *Hypericum perforatum*, *Rhododendron maximum*, *R. ponticum*, *R. arboreum*, *R. lochiaie*, *Camellia maliflora*, *C. oleifera*, *C. sinensis*, *C. octopetala*, *Ficus Monstera*, *Philodendron*, *Bignonia*, *Peperomia*, *Kentia*, *Cymbidium*, *Cattleya*, *Euphorbia*, *Cereus*, *Senecio*, *Echeveria*, *Stapelia*, *Opuntia*, *Pereskia*, *Camellia japonica*.

No. of taxa: 2,000

Rare & Endangered plants: Unknown

Special Conservation Collections: Marshy & aquatic plants of the Lucca district.

- Die Gärten von Schloss Trauttmansdorff, St Valentin Str. 51a, I 39012, MERAN.

Location: MESSINA

Founded: 1889

Garden Name: Istituto di Botanica and Giardino Botanico "Pietro Castelli" dell'Università

Address: Piazza XX Settembre, I-98100 MESSINA, Sicily.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 25,000

Ex situ Collections:

Myrtales, Columniferae, tropical, subtropical and Mediterranean plants, palms, *Ficus macrophylla*, *Pinus brutia*, *Phytolacca dioica*, *Dracaena draco*, *Trachycarpus excelsius*, *Phoenix canariensis*, *Livingstonia chinensis* and *Washingtonia filifera*, *Chorisia insignis*, *Sterculia acerifolia*, *Tipuana tipu*, *Dicksonia* and *Alsophila*, *Pithecoctenium cynanchoides*, *Centaurea tauromenitana*, *Centaurea crassifolia*, *Senecio gibbosus*, *Senecio ambiguus*, *Carlina siciula*, *Scilla cupani*, *Limonium minutiflorum*.



No. of taxa: 200  
Rare & Endangered plants: Unknown  
Special Conservation Collections: Arboretum of exotic plants.

Location: MILAN  
Founded: 1600  
Garden Name: Giardini Botanici dell'Isola Madre  
Address: Amministrazione Borromeo, Via Borromei I/A, I-20123 MILANO.  
Status:

Herbarium: No.  
Ex situ Collections:  
Musa paradisiaca and M ensete, Tecomaria capensis, Solanum jasminoides, Jubea spectabilis, Pinus montezumae, Taxodium distichum, Cinnamomum camphora, Cupressus cachemeriana, Camellia japonica and Camellia sinensis, Azalea indica, mollis, pontica, amoena, glauca, Rhododendron ponticum, R catawbiense, R aucklandii, R arboreun hybridum, Citrus aurantium, Fejjoia sellowiana, Ceratonia siliqua, Acacia verticillata, Myrtus bullata, Myrica cerifera, Myrtus lechleriana, Rhododendron.  
No. of taxa: 5,000  
Rare & Endangered plants: Unknown

Location: MILAN  
Founded: Unknown  
Garden Name: Istituto-Orto Botanico dell'Università di Milano  
Address: Via Giuseppe Colombo 60, I-20133 MILANO.  
Status: University  
Herbarium: Yes    Approx. no. of herbarium specimens: 50,000  
Ex situ Collections:  
Succulents, ferns, Quercus libani.  
No. of taxa: Unknown  
Rare & Endangered plants: Quercus libani  
Special Conservation Collections: Quercus libani and Iris

- Orto Botanico di Brera (Hortus Botanicus Braidensis), Via Breraj, 28 - 20121 Milan. Founded 1774. Status: University of Milan. Ex situ Collections: Tilia, Ginkgo biloba, Juglans nigra, Firmiana platanifolia, Pterocarya fraxinifolia.
- Orto Botanico "G.E. Ghirardi", Via delle Religioni - 25088 Toscolano Maderno (Brescia). Status: University of Milan. Ex situ Collections: Eschscholzia, Nigella, Scutellaria, Nicotiana, pharmaceutical plants, Solanaceae, Camptotheca acuminata.

Location: MILAN  
Founded: 1774  
Garden Name: Orto Botanico di Brera  
Address: Via Brera 28, 20121, Milano  
Status: University  
Herbarium No.  
Ex Situ Collections:  
Solanaceae, Tilia, Sterculia plantanifolia, Juglans nigra, Ginkgo biloba,  
No of taxa: Unknown  
Rare & Endangered: Unknown

Location: MODENA  
Founded: 1772  
Garden Name: Orto Botanico dell' Università  
Address: Viale Caduti in Guerra 127, I-41100 MODENA.  
Status: University  
Herbarium: Yes    Approx. no. of herbarium specimens: 18,000  
Ex situ Collections:  
Approx. 700 herbaceous specimens, aquatic plants, Nymphaea, Nuphar, Eichornia crassipes, Pistia stratiotes, Cyperus papyrus, Amaryllis, Clivia, Agapanthus, Crinus, Ficus, Ficus macrophylla, Cephalocereus euphorbioides, Euphorbia cactus, Agave victoriae-reginae, Euphorbia resinifera,

*Pachypodium lamerei*, *Vitis vinifera*, *Nicotiana tabacum*, *Celtis missisipiensis*, *Ulmus laevis* *Pterocarya fraxinifolia*, *Paulownia tomentosa*, *Ginkgo biloba*, *Cedrus atlantica*, *Quercus pectinata*, *Quercus pedunculata*, *Thuja occidentalis*, *Chamaecyparis lawsoniana*, *Taxodium distichum*, *Cryptomeria japonica*, *Pinus wallichiana*, *Gymnosperme*.

No. of taxa: 2,300

Rare & Endangered plants: Unknown

Special Conservation Collections: Iris

Location: MODENA

Garden Name: Giardino Botanico alpino "Esperia", Passo del Lupo, 41029 Sestola (MO).

Founded: 1954/1980.

Status: Private (Italian Alpine Club Modena).

Ex situ Collections:

Alpines from all over the world, Himalayas, Tibet, Siberia, Pyrenees, North America. *Fagus sylvatica*, *Aconitum napellus*, *Valeriana officinalis*, *Angelica archangelica*, *Digitalis lutea*, *Digitalis purpurea*, *Ribes nigrum*, *Rubus idaeus*, *Ruta graveolens*, *Atropa belladonna*, *Myrris odorata*, *Geranium argenteum*, *Linaria alpina*.

Location: NAPLES

Founded: 1807

Garden Name: Orto Botanico della Facoltà di Scienze dell'Università

Address: Via Foria 223, I-80139 NAPOLI.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 80,000

Ex situ Collections:

Economic plants, comprehensive collections of cycads, tree ferns, palms. Bromeliaceae, *Tillandsia*, *Sansevieria*, succulents and Italian orchids, medicinal plants, succulents and desert plants, plants of Mediterranean heathland, bog plants. *Quercus ilex*, *Pinus canariensis*, *Ficus magnolioides*, *Camellia japonica*, *Gardenia thunbergia*, *Cinnamomum glanduliferum*, *Ginkgo biloba*, *Araucaria bidwillii*, *Microcitrus australis*, *Cordia martinicensis*, *Celtis australis*, diverse *Quercus*, *Zelkova carpinifolia*, *Melaleuca decussata*, conifers, *Cedrus* (*C. atlantica*, *C. deodara*), *Pinus*, (*P. halepensis*, *P. nigra*, *P. canariensis*, *P. leucodermis*, *P. mugo*), *Sequoiadendron giganteum*, *Metasequoia glyptostroboides*, *Araucaria*, *Ephedra* (*E. distachya*, *E. altissima*), *Dioon*, *Encephalartos*, *Ceratozamia*, *Macrozamia*, *Cycas*, *Cupressus dupreziana*, *Abies nebrodensis*, *Pinus leucodermis*, *Citrus* (*C. limon*, *C. paradisi*, *C. aurantium myrtifolia*, *C. aurantium bergamia*, *C. aurantifolia*), *Fortunella margarita*, *F. japonica*, *Chamaedorea desmoncoides*, *Chamaedorea tenella* and *Chamaedorea elegans.*, *Cyanthea* and *Dicksonia*, *Agave*, *Aloe*, *Opuntia*, *Epiphyllum*, *Lithops*, *Echinocactus grusonii*, *Machaerocereus eruca*, *Cephalocereus senili*, *Borzicactus ventimigliae*, *Euphorbia resinifera*, *Brassica oleracea*, *Encephalartos woodii*, *Microcycas calocoma*, *Abromeitiella*, *Aechmea*, *Ananas*, *Billbergia*, *Bromelia*, *Ochagavia*, *Puya*, *Aechmea recurvata*, *Bromelia balansae*, *Tillandsia* (40 species), *Sansevieria*, *Equisetum giganteum*.

No. of taxa: 15,000

Rare & Endangered plants: Unknown

Special conservation collections: Cycads - 103 spp. of 10 genera; *Encephalartos woodii*.

Location: NAPLES

Founded: 1872

Garden Name: Orto Botanico della Facoltà di Agraria dell'Università, Via Università 100, 80055 Portici (NA).

Status: University (Naples).

Herbarium: Yes Approx. no. of herbarium specimens: 50,000

Ex situ Collections:

Exotic plants, Cactaceae, Euphorbiaceae, large collection of succulents, *Encephalartos*, Didieraceae, Euphorbiaceae, Aloes from Madagascar, Apocynaceae, Asclepiadaceae, Didieraceae, Liliaceae, Crassulaceae, *Pachypodium*, *Euphorbia*, *Didierea*, *Alluadia*, *Welwitschia mirabilis*, *Primula palinuri*, *Testudinaria elephantipes*, *Xanthorrhoea preissi*, palms, conifers, cycads, ferns, *Ginkgo biloba*, *Quercus ilex*, *Pastacia lentiscus*, *Asparagus acutifolius*, *Myrtus communis*, *Arbutus unedo*, *Lonicera implexa* and *L. caprifolium*, *Acanthus mollis*, *Ruscus aculeatus*, *Crataegus monogyna*, *Fraxinus ornus*.

No. of taxa: 3,500

Rare & Endangered: Unknown

- L'Hortus Camaldulensis di Napoli, Founded 1816. Status: Private. Ex situ Collections: Acacia, Agavaceae, Melaleuca, Eucalyptus camaldulensis, Quercus ilex.

Location: PADOVA

Founded: 1545

Garden Name: Orto Botanico Università degli Studi di Padova

Address: Via Orto Botanico 15, I-35123 PADOVA.

Status: University

Herbarium: Yes (est. 1837)                      Approx. no. of herbarium specimens: 400,000

Ex situ Collections:

Medicinal plants, orchids, insectivorous plants, succulents, hydrophytes, native plants from the Euganean Hills, rare plants from north east Italy. Plants include ancient specimens of *Chamaerops humilis*, *Platanus orientalis*, *Ginkgo biloba*, *Magnolia grandiflora*, *Agave americana*, *Syringa vulgaris*, *Helianthus annuus*, *Sesamum orientale*, *Hyacinthus orientalis*, *Robinia pseudoacacia*, *Liriodendron tulipifera*, *Ailanthus altissima*, *Cedrus deodara*, *Freesia refracta*, *Cryptomeria japonica*, *Gynerium argenteum*, *Nymphaea*, *Nelumbo nucifera*, *Euryale ferox*, *Pistia stratiotes*, *Eichornia crassipes*, *Cyperus papyrus*, *Haplophyllum patavinum*, *Cistus salvifolius*, *Erica arborea*, *Opuntia vulgaris*, *Spartium junceum*, *Corthusa matthioli*, *Campanula petraea*, *Gypsophila papillosa*, *Moltkia suffruticosa*, *Solanum*, *Taxus baccata*, *Plantanus orientalis*, *Zelkova carpinifolia*, *Quercus ilex*, *Juglans nigra*, *Quercus robur*, *Corthusa matthioli*, *Campanula petraea*, *Albizzia*, *Tamarix* and *Magnolia*, *Platanus orientalis*, *Zelkova carpinifolia*, *Quercus ilex*, *Juglans nigra*, *Mimosa pudica*.

No. of taxa: 6,000

Rare & Endangered plants: Yes.

Special Conservation Collections: Aquatic plants, *Ginkgo biloba*, *Vitex agnus-castus*, *Chamaerops humilis*.

Location: PALERMO

Founded: 1799

Garden Name: Orto Botanico dell'Università di Palermo

Address: Via Lincoln 2, I-90133 PALERMO, Sicilia.

Status: University

Herbarium: Yes      Approx. no. of herbarium specimens: 82,300 (500,000 housed at Erbario, Dipartimento di Scienze Botaniche, Università degli Studi di Palermo, Via Archirafi 38, I-90123, Palermo, Sicily).

Ex situ Collections:

Cactaceae, Euphorbiaceae, Ficoidaceae, Pandanaceae, Araliaceae, Palmae, *Washingtonia filifera*, *Chorisia speciosa*, Cactaceae, Agavaceae, Liliaceae, Euphorbiaceae, Amaryllidaceae, Crassulaceae, Asclepiadaceae, Aizoaceae, Aloaceae, Moraceae, *Parkinsonia aculeata*, *Broussonetia papyrifera*, *Erythrina viarum*, *Sophora japonica*, *Citrus deliciosa*, *Eriobotrya japonica*, *Ficus magnolioides*, *Chorisia speciosa* and *C. insignis*, *Gossypium*, *Bohemeria nivea*, *Aleurites moluccana*, *Soja hispida*, *Citrus*, *Saccharum officinarum*, *Sorghum saccharatum*, *Musa cavendishii*, *Opuntia*, *Tabebuja ipe*, *Ginkgo biloba*, *Dracaena draco*, *Tetrapanax papyrifera*, *Aesculus pavia*, *Casuarina tenuissima*, *Tipuana speciosa*, *Erthrina corallodendron*, *Ficus altissima*, Cycadaceae, Taxaceae, Pinaceae, Cupressaceae, Ginkgoaceae, *Casuarina torulosa* and *Mignolia grandiflora*, Asteraceae, Magnoliopsida, Aloe, *Yucca*, *Dracaena*, *Strelitzia*, Aloe, *Cereus*, *Crassula*, *Euphorbia*, *Opuntia*, *Ficus rubiginosa*, *Phlomis fruticosa*, *Urginea maritima*, *Euphorbia rigida*, *Euphorbia dendroides*, *Rhus pentaphylla*, *Lomelosia cretica*, *Ephedra fragilis*, *Melaleuca leucadendron*, *Elaeodendron australe*, *Pilocarpus pennatifolius*, *Cinnamomum camphora*, *Salvia menthaefolia*, *Paulownia tomentosa*, *Carica quercifolia*, l'Aquarium, *Cyperus papyrus*, *Xanthosoma violacea*, *Ponedderia cordata*, *Pistia stratiotes*, *Colocasia esculenta*, *Ficus magnolioides*, *Nymphaea*, *Nelumbo nucifera*, *Nuphar lutea*, *Sagittaria lancifolia*, *Victoria cruziana*, *Ophiopogon japonicus*, *Bambusa vulgaris*, *B. gracilis*, *B. spinosa*, *Bambusa macroculmis*, *Coffea arabica*, *Strophanthus scandens*, *Crescentia alata*, *Pimenta acris*, *Mimosa polycarpa spegazzini*, *Malpighia fucata*, *Cassia fistula*, *Codiaeum* and *Pandanus*, *Chorisia insignis*, *Sapindus mukorossi*, *Ficus sycomorus*, *Manihot utilisissima*, *Carica papaja*, *Rhizophora mangle*, *Ficus magnolioides*, *Antholiza aethiopica*.

No. of taxa: 15,000

Rare & Endangered plants: Yes

Special Conservation Collections: Tropical plants.

Location: PALLANZA  
Founded: 1933  
Garden Name: Ente Giardini Botanici Villa Taranto  
Address: I-28048 VERBANIA PALLANZA, Lago Maggiore.  
Status: Municipal  
Herbarium: No  
Ex situ Collections:  
Callistemon, Cornus, Cupressus, Daphne, Eucalyptus, Magnolia, Osmanthus, Paulownia, Prunus, Rhododendron, Stewartia, Zelkova. Picea pungens, Picea spinulosa, Chamaecyparis lawsonia, Metasequoia glyptostroboides, Dicksonia antarctica, Victoria amazonica, Rhododendron rhoenicolum, R. sesterianum, R. sinogrande, R. macabeum, R. megacalyx. Davidia involucreta, Trachycarpus fortunei, Erica arborea, E. australis, E. lusitanica, E. hibernica.  
No. of taxa: Unknown  
Rare & Endangered plants: Yes, from various regions and countries.

Location: PARMA  
Founded: 1770  
Garden Name: Istituto e Orto Botanico Universit di Parma  
Address: Via Farini 90, I-43100 PARMA  
Status: University  
Herbarium: Yes Approx. no. of herbarium specimens: 27,000  
Ex situ Collections:  
Alpine plants, succulents, tropical and subtropical, orchids, Bromeliaceae, Nymphaea alba, Eichornia crassipes, Pistia stratiotes, Acorus calamus, Cyperus papyrus, Ulmus campestris, Quercus robur, Platanus hybrida, P. occidentalis, Populus tremuloides, Fraxinus angustifolia, Sequoia sempervirens, Sequoia gigantea, Metasequoia glyptostroboides, Taxodium distichum, Ginkgo biloba, Nelumbo nucifera, Lemna minor, Tilia dasystyla, Chimonanthus praecox, Phelledendron amurense, Gymnocladus canadensis, Linaria tonzigii.  
No. of taxa: 1,000  
Rare & Endangered plants: Linaria tonzigii  
Special Conservation Collections: Succulents, medicinal plants, Alpine and Apennine flora.

Location: PAVIA  
Founded: 1795  
Garden Name: Istituto e Orto Botanico dell'Universita di Pavia  
Address: Via San Epifanio 14, I-27100 PAVIA.  
Status: University  
Herbarium: Yes Approx. no. of herbarium specimens: 200,000  
Ex situ Collections:  
Rose varieties and species, Pelargonium, Fuchsias, Hydrangea, and azaleas, Rhododendron indicum, Welwitschia mirabilis and Chamaedorea oblongata. Ginkgo, Impatiens, Allium ursinum, Magnolia grandiflora, Davidia involucreta, Liriodendron tulipifera, Camellia sinensis, Platanus occidentalis, tropical palms, pteridophytes, Araceae, Euphorbiaceae, Liliaceae, Marantaceae, Bromeliaceae, Cycadaceae, Coffea arabica, Piper nigrum and Eugenia caryophyllata, advocados, jacaranda.  
No. of taxa: 3,000  
Rare & Endangered plants: Yes.

Location: PEGLI  
Founded: 1797  
Garden Name: Giardino Botanico 'Clelia Durazzo Grimaldi'  
Address: Via Beato Martino 9, PEGLI, Genoa. 16100.  
Status: State  
Herbarium: No  
Ex situ Collections:  
Tropical plants, carnivorous plants, roses, Mediterranean plants. Large collections of Cupressaceae (17 spp.), Cactaceae (75 spp.), Compositae (22 spp.), Euphorbiaceae, Leguminosae (27 spp.), Myrtaceae, Oleaceae (16 spp.), Rosaceae (19 spp.), Solanaceae (12 spp.), Agavaceae (39 spp.), Urticaceae, Valerianaceae, Verbenaceae. Taxus.  
No. of taxa: 2,000  
Rare & Endangered plants: Ferns, carnivorous plants, American plants.

Special Conservation Collections: Mediterranean.

Location: PERUGIA

Founded: 1530

Garden Name: Orto Botanico di Perugia

Address: Dipartimento di Biologia Vegetale, Universit... degli Studi di Perugia, Borgo XX Giugno, 74, I-06121 PERUGIA (B.G. located at University of Perugia, San Costanzo, I-06100 Perugia.)

Status: State University

Herbarium: Yes. Approx. no. of herbarium specimens: 26,000

Ex situ Collections:

Flora of Central Italy, Orchidaceae, *Olea europaea*, *Libocedrus decurrens*, *Rosa rugosa*, *R. centifolia*, *R. moschata*, *R. gallica*, *Medicago*, *Trifolium*, *Dorycnium*, *Astragalus*, *Galega*, *Hedysarum*, *Onobrychis*, *Lotus*, medicinal and aromatic plants for the pharmaceutical industry, *Carlina*, *Digitalis*, *Humulus*, *Inula*, *Malva*, *Marrubium*, *Mentha*, *Rheum*, *Salvia*, *Solanum*, *Tanacetum*, *Althaea*, *Angelica*, *Valeriana*, *Thymus*, *Satureja*, *Mentha*, *Lactuca*, *Chondrilla*, *Reichardia*, *Ragadiolius*, *Conium*, *Solanum*, *Linum*, *Gossypium*, *Acorus calamus*, *Eichornia crassipes*, *Menyanthes trifoliata* and *Nymphaea alba*, *Prunus laurocerasus*, *Atropa belladonna*, *Digitalis*, *Rheum*, *Acorus calamus*, *Nasturtium officinale*, *Reichardia picroides*, *Campanula rapunculus*, *Sanguisorba minor*, *Beta vulgaris*, *Cichorium intybus*, *Carlina acaulis*, *Cynara cardunculus*, *Artium lappa*, *Humulus lupulus*, *Fragaria vesca*, *Prunus spinosa*, *Cardamine hirsuta*, *Foeniculum vulgare*, *Urtica dioica*, *Malus*, *Amelanchier ovalis*, *Rubus*, *Ribes*, *Arctostaphylos*, *Calluna vulgaris*, *Rhamnus alaternus*, *Quercus ilex*, *Acer monspessulanum*, aquatic plants, *Azolla filiculoides*, *Caltha palustris*, *Iris pseudacorus*, *Lemna minor*, *Lythrum salicaria*, *Nymphaea*, *Salvinia natans*, *Trapa natans*, *Cyperus papyrus*, *Ligularia tussilaginea*, *Nelumbo nucifera*, *Pistia stratiotes*, tropical and subtropical plants, *Cajanus cajan*, *Cucurbita foetidissima*, *Cyphomandra betacea*, *Dracaena draco*, *Erythrina crista-galli*, *Feijoa sellowiana*, *Persea americana*, *Plumeria alba*, *Psophocarpus tetragonolobus*, *Cucurbita foetidissima*, woody and exotic fruits, *Rubus*, *Ribes*, *Prunus*, *Amelanchier*, *Fragaria*, *Sorbus*, *Malus*, *Carica papaya*, *Carya olivaeformis*, *Coffea arabica*, *Musa*, *Nephelium litchi*, *Piper nigrum*, *Psidium*, *Euphorbia tirucalli*, *E. virosa*, *Aeonium*, *Cotyledon*, *Crassula arborea*, *C. lycopodioides*, *Kalanchoe*, *Sedum*, *Sempervivum*, *Crassulaceae*, *Aloe*, *Gasteria*, *Hawortia*, *Bowiea volubilis*, *Liliaceae*, *Cereus*, *Espostoa*, *Cactaceae*, *Pachypodium*, *Apocynaceae*, *Ceropegia*, *Stapelia*, *Asclepiadaceae*, *Abies nebrodensis*, *Cedrus*, *Ginkgo biloba*, *Juniperus*, *Larix decidua*, *Metasequoia glyptostroboides*, *Picea*, *Pinus*, *Sequoiadendron giganteum*, *Taxus baccata*, *Ceropegia*, *Platycerium*, *Tillandsia*, *Hordeum*, *Secale*, *Triticum*, *Pelargonium*, *Strelitzia*, *Philodendron*, *Schefflera*, *Ficus*, *Castanea*, *Fagus*, *Populus*, *Salix*, *Viscum*, *Loranthus*.

No. of taxa: 3,000 spp

Rare & Endangered plants: Unknown

Special Conservation Collections: medicinal herbs

Location: PESARO

Founded: 1981

Garden Name: Centro Recherche Floristiche Marche

Address: Via E. Barsanti s/n, I-61100 PESARO.

Status: Municipal

Herbarium: Yes. Approx. no. of herbarium specimens: 150,000

Ex situ Collections:

No information available.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: PISA

Founded: 1543

Garden Name: Istituto ed Orto Botanico della Universita

Address: Via Luca Ghini 5, I-56100 PISA.

Status: University

Herbarium: Yes. Approx. no. of herbarium specimens: 300,000

Ex situ Collections:

Succulents, Mediterranean and tropical aquatic plants. *Ginkgo biloba*, *Magnolia grandiflora*, *Quercus virginiana*, *Liliaceae*, *Amaryllidaceae* (mainly Italian species), *Jubaea spectabilis*, *Cycas revoluta*, *Platanus occidentalis*, *Washingtonia filifera*, *Myrtus communis tarentina*, *Conium maculatum*, *Atropa*

belladonna, *Acoanthocheilichia venata*, *Aconitum napellus*, *Monstera deliciosa*, *Musa sapientum*, *Carica papaya*, *Ficus pandurata*, *Pandanus veitchii*, *Caltha palustris*, *Marsilea quadrifolia*, *Hibiscus palustris*, *Nuphar luteum*, *Utricularia australis*, *Cedrus atlantica*, *Fraxinus excelsior*, *Taxus baccata*, *Cephalotaxus drupacea*, *Fatsia papyrifera*, *Taxodium distichum*, *Cinnamomum camphora*, *Araucaria bidwillii*, *Allium*, *Ornithogalum*, *Muscari*.

No. of taxa: 1,600

Rare & Endangered plants: Unknown

Special Conservation Collections: *Ginkgo biloba* and *Magnolia grandiflora* (dating from 1787), *Quercus virginiana* (1827), *Liquidambar orientalis*, *Taxodium distichum*, *Jubaea chilensis* and *Washingtonia filifera* (all from 1827), *Myrtus communis*, palms and collections of Mediterranean bulbous plants and medicinal herbs.

Location: PUGLIA

Garden Name: Orto Botanico dell'Università, Via Orabona 4, 70126 Bari, Puglia. Founded: 1955.

Status: University.

Herbarium: Unknown

Ex situ Collections:

Palms and succulents, *Abies*, *Pinus*, *Pinus brutia*, *Cedrus*, *Cupressus*, *Acer*, *Quercus*, *Tilia*, *Ulmus*, *Erythraea armata*, *Chamaerops humilis*, *Chamaerops excelsa*, *Cocos australis*, *Phoenix canariensis*, *Washingtonia filifera*, *Yucca aloifolia*, *Bougainvillea spectabilis*, *Wisteria sinensis*, *Dracaena indivisa*, *Cycas revoluta*, *Jasminum officinalis*, *Quercus trojana*, *Salvia trilobata*, *Sedum rupestre*, *Asparagus acutifolius*, *Iris pseudopumila*, *Capparis spinosa*, *Asphodelus microcarpus*, *Typha angustifolia*, *Lemna minor*, *Juncus acutus*, *Phragmites australis*, *Cladium mariscus*, *Cyperus rotundus*, *Utricularia vulgaris*, *Eichornia crassipes*, *Pistia stratiotes*, *Nymphaea alba*, *Sagittaria sagittifolia*, *Apyrogyra*, *Desmidium*, *Spermatophyta*, *Lemna minor*, *Myriophyllum spicatum*, *Utricularia vulgaris*, *Sophora japonica*, *Casuarina torulosa*, *Eucalyptus camaldulensis*, *Myriophyllum verticillatum*, *Cladium mariscus*.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: REGGELLO

Founded: Orig.1880: Revived 1976

Garden Name: Arboreti di Vallombrosa, Vallombrosa, 50060 Reggello.

Status: Municipal

Herbarium: Unknown

Ex situ Collections:

Ornamental collections. Angiospermae, *Acer*, *Betula*, *Crataegus*, *Fraxinus*, *Juglans*, *Magnolia*, *Quercus*, *Rhamnus*, *Rhododendron*, *Sorbus*, *Tilia*, *Ulmus*, *Viburnum*, *Abies*, *Cryptomeria*, *Juniperus*, *Picea*, *Pinus*, *Thuja*, *Tsuga*, *Sequoiadendron*, *Metasequoia glyptostroboides*, *Carpinus betulus*, *Glyptostrobos lineatus*, *Taxodium ascendens*, *Pinus lambertiana*, *Cupressus sempervirens*, *Cupressus macrocarpa*, *Arbutus unedo*, *Pinus radiata*, *Acer peronai*, *Acer monspessulanum* and *Acer opalus*.

No. of taxa: 700 spp.

Rare and endangered: *Carpinus betulus* var. *serrata* forma *incisa*

Location: ROMAGNESE (PAVIA)

Founded: 1967

Garden Name: Giardino Botanico Alpino Di Pietra Corva

Address: c/o Municipio, I-27050 ROMAGNESE (Pavia).

Status: Municipal

Herbarium: Unknown

Ex situ Collections:

*Acorus calamus*, *Polemonium coeruleum*, *Epilobium hirsutum*, *Osmunda regalis*, *Nymphaea alba*, *Sagittaria sagittifolia*, *Menianthes trifoliata*, *Trapa natans*, *Polygonum bistorta*, *Viola palustris*, *Calluna vulgaris*, *Vaccinium oxycoccos*, *Drosera rotundifolia*, *Sarracenia purpurea*, *Mimulus*, *Campanula*, *Primula*, *Veronica*, *Adonis*, *Daphne*, *Senecio*, *Gentiana*, *Pulsatilla*, *Allium*, *Paeonia*, *Primula palinuri*, *Helleborus niger*, *Asplenium*, *Notholaena*, *Woodsia*, *Saxifraga oppositifolia*, *S. cotyledon*, *S. florulenta*, *S. vandellii*, *S. burserana*, *Primula carniolica*, *Ramona myconi*, *Artemisia glacialis*, *A. mutellina*, *Araucaria araucana*, *Fuchsia magellanica*, *Nothogagus pumilio*, *Oxalis enneaphylla*, *Mimulus cardinalis*, *Alstroemeria aurantiaca*, *Calceolaria picta*, *Berberis darwinii*, *Adiantum chilense*, *A. sulphureum*, *Blechnum magellanicum*.

No. of taxa: 1,500

Rare & Endangered plants: Unknown  
Special Conservation Collections: Endemic species of Italy.

Location: ROME  
Founded: 1883  
Garden Name: Istituto dell'Orto Botanico della Università "La Sapienza"  
Address: Largo Cristina di Svezia 24, I-00165 ROMA.  
Status: University  
Herbarium: Yes    Approx. no. of herbarium specimens: 18,000 (1,115,659 specimens located at "La Sapienza, Citta Universitaria, I-00185, Rome)  
Ex situ Collections:  
Tropical and Mediterranean plants, palms, aroids, Cactaceae and succulents, conifers. Agavaceae, Bromeliaceae, Euphorbiaceae, Iridaceae, bamboos, aquatic plants, Cedrus deodara, Dasyllirion, Phoenix dactylifera, Phoenix canariensis, Washingtonia robusta, Butia, Cocos, Chamaerops humilis, Ginkgo biloba, Platanus orientalis, Quercus ilex, Victoria amazonica, Cycas circinalis.  
No. of taxa: 6,000 taxa (3,500 spp.)  
Rare & Endangered plants: Yes.  
Special Conservation Collections: Woody plants, palms and subtropical plants including Quillaia saponaria and Azara uruguayensis.

Location: ROME  
Founded: Unknown  
Garden Name: Orto Botanico e Arboreto "Tor Vergata"  
Address: Dipartimento di Biologia, Il Università degli Studi di Roma, Via E. Carnevale s.n.c., I - 00173 ROMA.  
Status: University  
Herbarium: Unknown  
Ex situ Collections:  
No information available: Botanic garden with Roman archaeological remains: plans to recreate a Roman garden  
No. of taxa: Unknown  
Rare & Endangered plants: Unknown

Location: S.BERNADINO DI TRANA  
Founded: 1961  
Garden Name: REA Hortus Tranensis/Giardino Botanico Rea  
Address: Via Giaveno 40, Fraz. San Bernardino, 10090 Trana (Torino).  
Status: State  
Herbarium: Yes    Approx. no. of herbarium specimens: 13,650  
Ex situ Collections:  
Local flora, alpines, herbaceous perennial plants, hardy shrubs (local), Alnus viridis, Calluna, Carex, Festuca, Orchidaceae, Begoniaceae, Commelinaceae.  
No. of taxa: 4,800  
Rare & Endangered plants: Unknown  
Special Conservation Collections: Devoted to the Flora of Sangone's Valley threatened by extinction.

Location: SASSARI  
Founded: Unknown  
Garden Name: Arboreto Mediterraneo del Limbara  
Address: Azienda Foreste Demaniali, Via Roma, 62, 07100 SASSARI, Sardinia  
Status: Unknown  
Herbarium: Unknown  
Ex situ Collections:  
No information available.  
No. of taxa: Unknown  
Rare & Endangered plants: Unknown

Location: SASSARI  
Founded: Unknown  
Garden Name: Istituto di Botanica dell'Università di Sassari

Address: Via Muroni 25, I-07100 SASSARI, Sardinia  
Status: University  
Herbarium: Yes Approx. no. of herbarium specimens: 50,000  
Ex situ Collections:  
Native Angiospermae.  
No. of taxa: 200  
Rare & Endangered plants: Threatened plants of Sardinia

Location: SGONIGO  
Garden Name: Giardino Botanico "Carsiana", Via Sgonigo 55, 34010 Sgonigo (TS).  
Founded: 1964.  
Status: Private.  
Ex situ Collections:  
Rare Alpine flora, *Ostrya carpinifolia*, *Fraxinus ornus*, *Juniperus communis*, *Cotynus coggyria*,  
*Crataegus monogyna*, *Sesleria autumnalis*, *Centaurea rupestris*, *Carex humilis*, *Carici-Centaureetum*  
*rupestris*, *Centaurea cristata*, *Iris illyrica*, *Gentiana tergestina*, *Onosma javorkae*, *Salvia officinalis*,  
*Euphorbia wulfenii*, *Pistacia terebinthus*, *Smilax aspera*, *Rhododendrum hirsutum*, *R. chamaecistus*,  
*Dryas octopetala*, *Scopolia carniolica*, *Primula carniolica*, *Hladnikia pastinacifolia*, *Asarum europaeum*,  
*Digitalis laevigata*.  
No. of taxa: Unknown  
Rare & Endangered: Unknown

Location: SIENNA  
Founded: 1856  
Garden Name: Orto Botanico dell'Università  
Address: Dipartimento Di Biologia Ambientale, Via P. A. Mattioli 4, 53100 SIENNA.  
Status: University  
Herbarium: Yes Approx. no. of herbarium specimens: 47,500  
Ex situ Collections:  
Woody plants native to Southern Tuscany, *Camellia japonica*, *Pterocarya aucasica*, *Aesculus glabra*,  
*Idesia polycarpa*, *Cinnamomum camphora* (planted 1860). *Cydonia oblonga*, *Punica granatum*,  
*Ziziphus lotus*, *Anthyllis barba-jovis*, *Calicotome villosa*, *Viburnum tinus*, *Quercus ilex*, *Arbutus*  
*unedo*, *Erica arborea*, *Erica scoparia*, *Fagus sylvatica*, *Corylus avellana*, *Sorbus aucuparia*, *Nelumbo*  
*nucifera*, *Azolla caroliniana*, *Caltha palustris*, *Mentha aquatica*, *Typha latifolia*, *Pinus*, *Abies*, *Thuja*,  
*Ephedra fragilis*.  
No. of taxa: 2,000  
Rare & Endangered plants: Unknown

Location: TOSCANA  
Garden Name: Giardino Botanico delle Alpi Apuane "Petro Pellegrini"  
Founded: 1966  
Address: Via Massa Armi, Pin della Fioba, 41245 Massa, Toscana.  
Status: Municipal and university.  
Herbarium: Yes: Approx. no.of specimens: 63,000.  
Ex situ Collections:  
*Pteridium aquilinum*, *Asplenium trichomanes quadrivalens*, *Betula pendula*, *Silene nutans*, *Vaccinium*  
*myrtillus*, *Solidago virgaurea*, *Festuca heterophylla*, *Teucrium scorodonia* *Digitalis lutea*, *Phyteuma*  
*orbiculare*, *Castanea sativa*, *Cistus salvifolius*, *Erica arborea*, *Scilla bifolia*, *Sedum monregalensis*,  
*Phyteuma scorzoniferifolium*, *Crepis leontodontoides*, *Luzula pedemontana*, *Gymnocarpium dryopteris*,  
*Saxifraga paniculata*, *Parnassia palustris*, *Ostrya carpinifolia*, *Salix crataegifolia*, *Thesium sommieri*,  
*Scabiosa holosericea*, *Buphthalmum salicifolium flexile*, *Santolina pinnata*, *Centaurea ambigua*, *Carex*  
*macrostachys*, *Astragalus purpureus gremlii*, *Hypericum coris*, *Moltkia suffruticosa*, *Orchis pauciflora*,  
*Helianthemum oelandicum italicum*, *Juniperus phoenicea*, *Polygala carueliana*, *Rhamnus*  
*glaucophyllus*, *Globularia incanescens*, *Leontodon anomalus*, *Saxifraga caesia*, *Potentilla caulescens*,  
*Acer opulifolium*, *Primula auricola*, *Valeriana saxatilis*.  
No. of taxa: 2,530 spp.  
Rare & Endangered plants: Unknown

Location: TOSCOLANO  
Founded: 1964



Garden Name: Mimosa Stazione Agricola (Giardino Botanico sperimentale "Emilio Ghirardi")  
Address: Via Religione 25, I-25088, TOSCOLANO, Maderno (BS).  
Status: University  
Herbarium: Unknown  
Ex situ Collections:  
Medicinal and poisonous plants, Solanaceae, Apocynaceae, Digitalis, Camptotheca acuminata, Nyssaceae.  
No. of taxa: 1,600  
Rare & Endangered plants: Unknown

Location: TRENTO  
Founded: 1938  
Garden Name: Giardino Botanico Alpino alle Viotte del Monte Bondone.  
Address: c/o Museo Tridentino Scienze Naturali, via Calepina, 14 - CP 393, I-38100 TRENTO.  
(special information centre for alpine plants)  
Status: Municipal  
Herbarium: Yes    Approx. no. of herbarium specimens: 59,536  
Ex situ Collections:  
Large arboretum, mainly conifers, rock garden plants. Flora of the Alps and Appennines, species endemic to the Dolomite region, medicinal plants. Rheum officinale, Meconopsis, Incarvillea, Potentilla, Androsace, Leontopodium, Veronica and Gentiana farreri, Phlox, Penstemon, Liatris, Arnica, Eriophyllum, Silphium, Lewisia, Saxifraga arachnoidea, Melandrium elisabethae, Scabiosa vestina, Paederota bonarota, Physoplexis comosa, Rhodothamnus chamaecistus, Ranunculus seguieri, Saxifraga burslerana, Gentiana lutea, Androsace helvetica, Asphodelus albus, Dryas octopetala, Polygonum viviparum. Exotic alpine species such as Picea pungens. Nardus stricta.  
No. of taxa: 2,000  
Rare & Endangered plants: Unknown  
Special Conservation Collections: Native flora, endemic species of the Dolomites and Alps.

Location: TRENTO  
Founded: 1872  
Garden Name: Arboreto di Arco  
Address: Museo Tridentino di Scienze Naturali, Palazzo Sardinia, Via Calepina 14, 38100 Trento.  
Status: Municipal  
Herbarium: Unknown  
Ex situ Collections:  
Mediterranean exotic and ornamental specimens conifer forest, including pines, palms, aquatic plants, bamboos and local plants. Cupressus macrocarpa f. lambertiana and Sequoia sempervirens, Persea americana, Cinnamomum camphora, Sequoiadendron giganteum, Quercus ilex, Cupressus sempervirens, Cupressus macrocarpa, Ilex aquifolium.  
No. of taxa: Unknown  
Rare & Endangered plants: Unknown

Location: TRIESTE  
Founded: 1873 on an earlier medicinal garden (1423).  
Garden Name: Civico Orto Botanico  
Address: Via Marchesetti 2, 34100 Trieste. (Also Piazza Hortis 4, I-34123 TRIESTE. Also via Marchesetti 2, 34100 Trieste)  
Status: Municipal.  
Herbarium: Yes    Approx. no. of herbarium specimens: 100,000  
Ex situ Collections  
Include medicinal plants, Salvia and Paeonia. Plants of the Carso Triestino including Campanula, medicinal plants, rock garden plants.  
No. of taxa: 2,212  
Rare & Endangered plants: Unknown

Location: TRIESTE  
Founded: 1962  
Garden Name: Orto Botanico dell' Università

Address: Via L. Giorgieri 10, Trieste, c/o Dipartimento di Biologia dell' Università, Via Monte Valerio 32, I-34127 TRIESTE.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 129,704

Ex situ Collections:

Cactaceae, Euphorbiaceae, Crassulaceae and *Centaurea forojuliensis*, *Euphorbia wulfenii*, *Dianthus tergestinus*, *Potentilla tommasiniana*, *Tommasinia altissima*, *Helleborus*, *Valeriana*, *Polypodium*, *Quercus petraea*, *Sesleria autumnalis* and *Quercus pubescens*, *Robinia pseudoacacia*, *Carpinus orientalis*, *Ruscus aculeatus*, *Cistus salvifolius*.

No. of taxa: 700

Rare & Endangered plants: Unknown

Special Conservation Collections: Flora of Karst.

Location: TURIN

Founded: 1728

Garden Name: Istituto Botanico dell'Università

Address: Viale P. A. Mattioli 25, I-10125 TORINO.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 450,000

Ex situ Collections:

No information available.

No. of taxa: 1,700

Rare & Endangered plants: Unknown

Location: TURIN

Founded: 1897

Garden Name: Giardino Botanico Alpino "La Chanousia"

Address: Viale Mattioli 25, 10125 Torino.

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: 900,000

Ex situ Collections:

Alpines, circa 1,300 spp., *Eritrichium nanum*, *Geum reptans*, *Ranunculus parnassifolius*, *Artemisia genepi*, *Saxifraga longifolia*, *Arenaria tetraquetra*, *Xatardia scabra*.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: URBINO

Founded: 1550

Garden Name: Istituto di Botanica e Orto Botanico ("Pierina Scaramella" dell'Università)

Address: Via Bramante 28, I-61029 URBINO (PS).

Status: University

Herbarium: Yes Approx. no. of herbarium specimens: Unknown

Ex situ Collections:

Medicinal and ornamental plants, *Ailanthus glandulosus*, *Sophora japonica*, pharmaceutical plants, *Cycadaceae*, palms and *Gymnospermae*.

No. of taxa: 3,500

Rare & Endangered plants: Yes.

Special Conservation Collections: Medicinal collections.

Location: UDINE

Founded: 1951 (on original site of 1880)

Garden Name: Orto Botanico Friulano

Address: Presso Istituto Tecnico per Geometri, Viale Leonardo da Vinci, I-33100 UDINE.

Status: Municipal

Herbarium: Yes Approx. no. of herbarium specimens: 100,000 (housed at Erbario, Sezione di Botanica, Museo Friulano di Storia Naturale, Via Grazzano 1, I-33100 Udine)

Ex situ Collections:

A notable collections of irises, including 150 examples from all over the world, flora of the Friulana region, a comprehensive collection of *Ericaceae*, succulents, ferns, local flora, arid and desert plants, tropical trees, *Platanus orientalis*, *Populus deltoides*, *Pterocarya fraxinifolia*, *Tilia tomentosa*,

Liriodendron tulipifera, Fagus sylvatica, Triticum, Dianthus, Potentilla, Filicales, Caesalpinioideae, Zingiberaceae. Spiraea decumbens, Medicago pironae, Euphorbia triflora kernerii, Centaurea dichroantha, Aquilegia einseleana, Saxifraga burserana, Laserpitium peucedanoides, Scabiosa graminifolia. Gleditschia.  
No. of taxa: Unknown  
Rare & Endangered plants: Yes.  
Special Conservation Collections: Over 150 worldwide specimens of Iris, rare species of local flora.

Location: VALDERIA  
Founded: 1990  
Garden Name: Giardino Botanico Alpino  
"Valderia", Parco Naturale Alpi, Marittima, Corso Dante Livio Bianco 5, 12010 Valdieri.  
Status: Unknown  
Herbarium: Yes. Approx. no. of specimens: 1,200.  
Ex situ Collections:  
Saxifraga florulenta, S. stellaris and S. aizoides, Caltha palustris, Epilobium alsinifolium, Viola valderia, 26 species endemic to Maritime Alps, Potentilla valderia, P. fruticosa, Galium tendae, Silene cordifolia, Viola argenteria, Senecio balbisianus, Primula marginata, Micromeria marginata, Gentiana ligustica, Eryngium alpinum, Eryngium spina-alba, Raponticum scariosum, Campanula alpestris.  
No. of taxa: Unknown  
Rare & Endangered plants: Unknown

Location: VALLE D'AOSTA  
Garden Name: Giardino Botanico "Saussurea"  
Address: Pavillon du Mont Frety, Gruppo del Monte, Bianco, Entreves -Courmayeur (Valle D'Aosta).  
Founded 1985.  
Status: Local municipality.  
Ex situ Collections:  
Local flora including wild specimens, Rhododendron, Vaccinium, Leontopodium alpinum, Eritrichium nanum, Pulsatilla halleri, Lilium bulbiferum and Lilium martagon, Centaurea triumphettii, Androsace septentrionalis, Lychnis alpina, L. flos-jovis, Paeonia officinalis, Stipa pennata, Peucedanum ostruthium, Artemisia genipi and A. umbelliformis, Trifolium alpinum, Galium, Alnus viridis.  
No. of Taxa: Unknown  
Rare & Endangered plants: Unknown

Location: VENTIMIGLIA  
Founded 1867  
Garden Name: Giardini botanici "Hanbury"  
Address: Corso Montecarlo 43, 18030 La Mortola, Ventimiglia (IM), Italy.  
Status: State assisted  
Ex situ Collections:  
Yucca, Aloe, Agave, roses, Salvia, palms and aromatic plants, Australian and desert plants. Eucalyptus citriodora, E. sideroxylon, E. microcorys, Melaleuca, Casimiroa, Prunus, Caesalpinia sepriaria, Thunbergia grandiflora, T. coccinea, T. mysorensis, Mandevilla laxa, Passiflora bryonioides, P. amethystina, P. edulis. Casimiroa edulis (planted 1867), Pinus canariensis (1870), Araucaria cunninghamii (1832), Beaucarnea stricta and B. recurvata. Cupressus lusitanica, Yucca australis, Cupressus guadalupensis, Olmediella betschleriana, Chiranthodendron pentadactylon, Aphyllantes monspeliensis, Chrysanthemum discoideum, Coronilla juncea, Sollya heterophylla, Wigandia urens and Senecio deltoideus.  
No. of taxa: 2,500  
Rare & Endangered plants: Yes.

Location: VICENZA  
Founded: 1961  
Garden Name: Giardino Botanico Alpino 'S. Marco'  
Address: Via Ruspoli 8, Vicenza, 36100, P.O.Box 350.  
Status: Links with University of Padua  
Herbarium: Yes Approx. no. of herbarium specimens: Unknown  
Ex situ Collections:  
Rare and threatened plants of Italy.

No. of taxa: 1,400  
Rare & Endangered plants: Unknown  
Special Conservation Collections: Endemic plants.

Some additional gardens with notable ex situ collections include the following:

- Arboreto "Pascual", Loc. Pradandons, 33017, Tarcento (UD), Friuli-Venezia Giulia. Founded 1953. No of taxa: 2,200, 72 spp.
- Civico Orto Botanico "Ulisse Aldrovandi", Vicolo Baciadonne 1 40017, San Giovanni in Persiceto (BO). Founded: 1985. Status: Municipal. Ex situ Collections: Mediterranean plants.
- Giardino alpino "Antonio Segni", Rifugio Vazzoler, Gruppo del Civetta, Taibon Agordino (BL), Veneto. Founded 1968. Status: Private with municipal affiliation. Ex situ Collections include alpine, *Picea abies*, *Larix decidua*, *Epilobium angustifolium*.
- Giardino Alpino di Pietra Corva, Romagnese (Pavia)
- Giardino Botanico Alpino "San Marco", Pian delle Fugazze, Malga Pra, Valli del Pasubio, Vicenza. Status: Founded 1961 for conservation of mountain flora. Assoc with local Herbarium. Ex situ Collections: Include alpine collections, orchids.
- Giardino Botanico della Scuola Media Statale "E. Toti" di Musile di Piave (Venice)
- Giardino Botanico "Michele Tenore", Via Colle Madonna, 66010 Lama dei Peligni (Chieti)/
- Giardino Botanico Bergomense, Lorenzo Rota, Scaletta di Colle Aperto (Citta Alta), Bergamo (also Passaggio Torre di Adalberto, I-24129 Bergamo).
- Giardino Botanico alpino "Castel Savoia", Castel Savoia - 11025, Gressoney-Saint-Jean (AO). Founded 1990. Ex situ Collections: alpine, *Rhododendron ferrugineum*, *Trollius europaeus*, *Lilium martagon*, *Aquilegia alpina*, *Arnica montana*, *Leontopodium alpinum*, *Sempervivum montanum* and *Sempervivum arachnoideum*, *Gentiana* spp., *Saxifraga* spp., *Epilobium angustifolium*.
- Giardino Botanico alpino "Bruno Peyronel", Comunità Montana Val Pellice (Servizio Ecologia), Corso Lombardini 2 - 10066, Torre Pellice (TO). Founded: 1991. Ex situ Collections: alpine, rock garden plants.
- Giardino Botanico Alpino "Giangio Lorenzoni", Pian Cansiglio, 32015 Puos d'Alpago (BL). (Assoc Univ Padova). Ex situ Collections include: rare alpine plants and plants native to the locality, including oriental alpine, medicinal plants, *Geranium argenteum*, *Gentiana symphyandra*, *Rudbeckia laciniata*, *Potamogeton natans*, *Menyanthes trifoliata*.
- Giardino Botanico Clelia Durazzo Grimaldi, Via Pallavicini 13 - 16156, Genova Pegli. Ex situ Collections: *Echinocactus grusonii*, *Welwitschia mirabilis*, *Drosera*, *Nepenthes*, *Sarracenia*, *Dionaea*.
- Giardino Botanico del Civico Museo di Scienze naturali, Via Medaglie d'Oro 51, 48018 Faenza (RA).  
Ex situ Collections: *Taxus baccata*, *Abies alba*, *Quercus pedunculata*, *Q. pubescens*, *Q. ilex*, *Q. cerris*, *Q. crenata*, *Fagus sylvatica*, *Fraxinus excelsior*, *F. ornus*, *F. angustifolia*, *Carpinus betulus* and *Ostrya carpinifolia*, *Crataegus monogyna*, *Prunus spinosa*, *Spartium junceum*, *Sarothamnus scoparius*, *Lonicera caprifolium*, *Sambucus nigra*.
- Giardino Botanico delle Alpi orientali, Monte Faverghera (BL), Corpo Forestale dello Stato di Belluno, Monte Faverghera, Veneto. Founded: 1969. Status: State. Ex situ Collections include oriental alpine, *Physoplexis comosa*, *Paederota lutea*, *Paederota bonarota*, *Moehringia glaucovirens*, *Arenaria huteri*, *Wulfenia carinthica*, *Rhodothamnus chamaecistus*.
- Giardino Botanico Gole del Sagittario, Anversa degli Abruzzi - AQ.
- Giardino Botanico litoraneo di Porto Caleri, Via Boccavecchia, loc. Porto Caleri, 45010 Rosolina Mare, Veneto. (Assoc with Univ. Padova.) Ex situ Collections include: *Cakile maritima*, *Xanthium italicum*, *Eryngium maritimum*, *Agropyron juniceum*, *Scabiosa argentea*, *Juniperus communis*, *Phyllyrea*, *Phragmites australis*, *Cladium mariscus* and *Typha*, *Pinus pinaster* and *P. pinea*, *Ophrys*, *Orchis*, *Cephalantera*, *Quercus ilex*, *Arthrocnemum fruticosum*, *Halimolobos portulacoides*, *Limonium serotinum*, *Puccinellia palustris*.
- Giardino Botanico montano di Pratorondanino, Pratorondanino, Campoligure (GE).  
Ex situ Collections include *Eryngium alpinum*, *Lilium pomponium* and *Wulfenia carinthica*.
- Giardino Botanico "Loreto Grande", Parco Nazionale d'Abruzzo, 67050 Villavallelonga (AQ).  
Founded: 1984. Status: National Park. Ex situ Collections include: maple, beech, black hornbeam, hazels, wild rose, aridland plants.

- Giardino di flora appenninica, 86082 Capracotta, Isernia (IS). Founded: 1980. Status: Municipal. Ex situ Collections: medicinal plants, rare plants of the Appennines, lilies and orchids.
- Giardino Montano dell' Orecchiella.
- Giardino officinale, 48010 Casola Valsenio (RA), Emilia Romagna. Founded 1938. Ex situ Collections: American, African, Russian plants, including medicinal and pharmaceutical plants and plants used in perfume and cosmetics industry.
- Giardino officinale, Marzana (VR), Corpo forestale di Verona. Founded: 1980. Status: Municipal. Ex situ Collections: medicinal plants.
- Giardino della flora dell'Appennino romagnolo "Valbonella", Valbonella 47010, Corniolo di Santa Sofia (FO), Corniolo. Founded 1983. Ex situ Collections: *Quercus pubescens*, *Ostrya carpinifolia*, *Fraxinus ornus*, *Quercus cerris*, *Castanea sativa*, *Fagus sylvatica*, *Abies alba*, *Quercus ilex*, *Alnus glutinosa*, *Salix*, *Populus*, *Pinus nigra*, *Tozzia alpina*, *Arbutus unedo*, *Murbeckiella zanonii*.
- Giardino delle orchidee spontanee del Mediterraneo, Via Palo Laziale 2, 00055 Palo Laziale, Ladispoli, Rome. Founded: 1984. Status: Private. Ex situ Collections: orchids, *Ophrys apulica*, *Iris pseudopumila*, *Asphodeline lutea*, *Inula candida*, *Dactylorhiza romana*, *Ophrys lunulata*, *Orchis palustris*, *Spiranthes aestivalis*, *Ophrys ciliata*.
- Giardino "La Cavana", Via Palazzina 9, 54035 Fosdinovo MS.
- Orto Botanico dei Frignoli, Passo del Cerreto, Frignoli, 54013 Fivizzano (MS), Toscana. Founded: 1990. Status: Municipal. Ex situ Collections: *Globularia incanescens*, *Helichrysum italicum*, *Saxifraga paniculata*, *Primula apennina*, *Rosa pendulina*, *Sempervivum*, *Parnassia palustris*, *Caltha palustris*, *Veratrum album*, *Chamaecyparis lawsoniana*.
- Orto Botanico del Monte Baldo, Loc. Novezzina, Ferrara di Monte Baldo (VR). Founded 1989. Status: Municipal. Ex situ Collections: *Galium baldense*, *Anemone baldense*, *Knautia baldensis*, *Paeonia officinalis*.
- Orto Botanico dell'Università della Tuscia, Via San Camillo de Lellis, I-01100 Viterbo. Founded: 1985. Status: University. Ex situ Collections: arboretum, succulents, sub-tropical plants from Australia, African plants, palms, bamboos, rose garden, Fabaceae, Rosaceae, Cactaceae, conifers, palms, *Trachycarpus fortunei*, *Pinus*.
- Parco Nazionale Gran Paradiso, Giardino Alpino Paradisia, 11012 Valmontey, Cogne (Aosta). Founded: 1955. Ex situ Collections include *Saxifraga*, *Artemisia* and *Dianthus*, aromatics and medicinal plants, aquatic plants.