



## Geographical area and raptor species scope



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# GEOGRAPHICAL AREA AND RAPTOR SPECIES SCOPE

The Advice Hub for raptor biomonitoring in Europe was prepared under the framework of COST Action European Raptor Biomonitoring Facility (<https://erbfacility.eu/>) to support development of raptor biomonitoring at panEuropean scale. In this scope we defined geographical scale and raptor species that this Advice Hub is referring to.

## FOCAL GEOGRAPHICAL AREA



**FIGURE 1 – Map of the European Raptor Biomonitoring Facility Advice Hub's focal geographical area.**

The geographical coverage includes the countries of the European mainland plus the Atlantic and Mediterranean islands, Russia as far east as the Ural Mountains, the Caucasus region, Turkey and the Mediterranean coast of the Middle East as far south as Israel (Figure 1). This includes the following countries (in alphabetical order): Albania, Andorra, Armenia, Austria, Azerbaijan, Belgium, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany,

Georgia, Greece, Hungary, Iceland, Ireland, Israel, Italy, Kosovo, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, Malta, Moldova, Monaco, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Russia (European part as far east as the Ural Mountains), San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Turkey, Ukraine, United Kingdom and Vatican City.

## RAPTOR SPECIES SCOPE

Raptors are a functional or ecological rather than taxonomic group of species, which are predators at, or near, the top of food chains, and encompass four avian orders, three of which occur in Europe: two diurnal orders, namely Birds of Prey (Accipitriformes) and Falcons (Falconiformes); and one nocturnal order, Owls (Strigiformes).

**TABLE 1 – Overview of European raptor species which occur as regular breeders (B), migrants (M) or/and wintering birds (W) within the geographical coverage of this Advice Hub.**

Taxonomy, common and scientific names, and worldwide distribution are taken from IOC World Bird List. Species status and occurrence during breeding, wintering or migration time within focal area: Widespread – occurring in most of countries covered by the Advice Hub and in all regions, Regional – occurring in a certain part of the area covered by the Advice Hub, where it is widespread, Restricted – small population confined to few countries only, Marginal – not characteristic for the area covered by the Advice Hub, only a small part of the species' population occurs, at the limit of its distribution.

COMMON ENGLISH NAME	SCIENTIFIC NAME	STATUS IN FOCAL AREA	OCCURRENCE IN FOCAL AREA	WORLDWIDE DISTRIBUTION
<b>Western Osprey</b>	<i>Pandion haliaetus</i>	B, M, W	Widespread	Worldwide
<b>Black-winged Kite</b>	<i>Elanus caeruleus</i>	B, W	Regional	African and Oriental region
<b>Bearded Vulture</b>	<i>Gypaetus barbatus</i>	B, W	Regional	Eurasia and Africa
<b>Egyptian Vulture</b>	<i>Neophron percnopterus</i>	B, M	Regional	Eurasia and Africa
<b>European Honey Buzzard</b>	<i>Pernis apivorus</i>	B, M	Widespread	Europe and W Asia to Africa
<b>Griffon Vulture</b>	<i>Gyps fulvus</i>	B, M, W	Regional	Eurasia and Africa
<b>Cinereous Vulture</b>	<i>Aegypius monachus</i>	B, W	Regional	S Europe and C Asia to N Africa and S Asia
<b>Short-toed Snake</b>	<i>Circaetus gallicus</i>	B, M	Regional	SW Europe and C Asia to Africa and

COMMON ENGLISH NAME	SCIENTIFIC NAME	STATUS IN FOCAL AREA	OCCURRENC IN FOCAL AREA	WORLDWIDE DISTRIBUTION
<b>Eagle</b>				S Asia
<b>Lesser Spotted Eagle</b>	<i>Clanga pomarina</i>	B, M	Regional	E Europe to Africa
<b>Greater Spotted Eagle</b>	<i>Clanga clanga</i>	B, M, W	Regional	C Europe, E Siberia and N China to S Asia and N Africa
<b>Booted Eagle</b>	<i>Hieraaetus pennatus</i>	B, M, W	Regional	SW Europe, NW Africa, C Asia, India and South Africa to Africa and S Asia
<b>Steppe Eagle</b>	<i>Aquila nipalensis</i>	B, M	Regional	E Europe and C Asia to Oriental region and Africa
<b>Spanish Imperial Eagle</b>	<i>Aquila adalberti</i>	B, W	Regional	Iberian Peninsula, also Morocco
<b>Eastern Imperial Eagle</b>	<i>Aquila heliaca</i>	B, M, W	Regional	SE Europe and C Siberia to Arabian Peninsula and NE Africa
<b>Golden Eagle</b>	<i>Aquila chrysaetos</i>	B, W	Widespread	Eurasian and North America
<b>Bonelli's Eagle</b>	<i>Aquila fasciata</i>	B, W	Regional	Eurasia and N Africa
<b>Shikra</b>	<i>Accipiter badius</i>	B, W	Marginal	S Asia, Africa
<b>Levant Sparrowhawk</b>	<i>Accipiter brevipes</i>	B, M	Regional	SE Europe and C Asia to C Africa
<b>Eurasian Sparrowhawk</b>	<i>Accipiter nisus</i>	B, M, W	Widespread	Eurasia to Oriental region and N Africa
<b>Northern Goshawk</b>	<i>Accipiter gentilis</i>	B, M, W	Widespread	Eurasia and North America

COMMON ENGLISH NAME	SCIENTIFIC NAME	STATUS IN FOCAL AREA	OCCURRENC IN FOCAL AREA	WORLDWIDE DISTRIBUTION
<b>Western Marsh Harrier</b>	<i>Circus aeruginosus</i>	B, M, W	Widespread	Eurasia and Africa to Africa and India
<b>Hen Harrier</b>	<i>Circus cyaneus</i>	B, M, W	Widespread	Europe and N and C Asia to S Asia and N Africa
<b>Pallid Harrier</b>	<i>Circus macrourus</i>	B, M, W	Regional	E Europe and C Asia to Africa and S Asia
<b>Montagu's Harrier</b>	<i>Circus pygargus</i>	B, M	Widespread	Europe, NW Africa, and C Asia to Africa and India
<b>Red Kite</b>	<i>Milvus milvus</i>	B, M, W	Widespread	Europe
<b>Black Kite</b>	<i>Milvus migrans</i>	B, M, W	Widespread	Eurasia, Africa, Australia
<b>White-tailed Eagle</b>	<i>Haliaeetus albicilla</i>	B, M, W	Regional	Eurasia
<b>Rough-legged Buzzard</b>	<i>Buteo lagopus</i>	B, M, W	Regional	Eurasia, North America
<b>Long-legged Buzzard</b>	<i>Buteo rufinus</i>	B, M, W	Regional	Eurasia, Africa to C Africa
<b>Common Buzzard</b>	<i>Buteo buteo</i>	B, M, W	Widespread	Eurasia to Africa and Oriental region
<b>Western Barn Owl</b>	<i>Tyto alba</i>	B, W	Regional	Eurasia, Africa
<b>Boreal Owl</b>	<i>Aegolius funereus</i>	B, W	Regional	Eurasia and North America
<b>Little Owl</b>	<i>Athene noctua</i>	B, W	Regional	Eurasia and N Africa
<b>Northern Hawk Owl</b>	<i>Surnia ulula</i>	B, W	Regional	N Eurasia and North America
<b>Eurasian Pygmy Owl</b>	<i>Glaucidium passerinum</i>	B, W	Regional	Eurasia



COMMON ENGLISH NAME	SCIENTIFIC NAME	STATUS IN FOCAL AREA	OCCURRENC IN FOCAL AREA	WORLDWIDE DISTRIBUTION
<b>Eurasian Scops Owl</b>	<i>Otus scops</i>	B, M, W	Regional	Europe, C Asia to Africa
<b>Cyprus Scops Owl</b>	<i>Otus cypricus</i>	B, W	Restricted	Cyprus
<b>Pallid Scops Owl</b>	<i>Otus brucei</i>	B, M, W	Marginal	W and C Asia to India
<b>Long-eared Owl</b>	<i>Asio otus</i>	B, M, W	Widespread	Eurasia and North America
<b>Short-eared Owl</b>	<i>Asio flammeus</i>	B, M, W	Widespread	Worldwide except Australia
<b>Snowy Owl</b>	<i>Bubo scandiacus</i>	B, M, W	Regional	N Eurasia and North America
<b>Eurasian Eagle Owl</b>	<i>Bubo bubo</i>	B, W	Widespread	Eurasia
<b>Pharaoh Eagle Owl</b>	<i>Bubo ascalaphus</i>	B, W	Marginal	Africa, Arabia Peninsula
<b>Brown Fish Owl</b>	<i>Ketupa zeylonensis</i>	B, W	Restricted	Middle East, SE Asia
<b>Tawny Owl</b>	<i>Strix aluco</i>	B, W	Widespread	Europe, W Asia
<b>Desert Owl</b>	<i>Strix hadorami</i>	B, W	Marginal	Middle East, Arabia, N Egypt
<b>Ural Owl</b>	<i>Strix uralensis</i>	B, W	Regional	Eurasia
<b>Great Grey Owl</b>	<i>Strix nebulosa</i>	B, W	Regional	N Eurasia and North America
<b>Lesser Kestrel</b>	<i>Falco naumanni</i>	B, M, W	Regional	S Europe, NW Africa, C Asia to Africa
<b>Common Kestrel</b>	<i>Falco tinnunculus</i>	B, M, W	Widespread	Eurasia, Africa
<b>Red-footed Falcon</b>	<i>Falco vespertinus</i>	B, M	Regional	C Europe, C Asia to S Africa

COMMON ENGLISH NAME	SCIENTIFIC NAME	STATUS IN FOCAL AREA	OCCURRENC IN FOCAL AREA	WORLDWIDE DISTRIBUTION
<b>Eleonora's Falcon</b>	<i>Falco eleonorae</i>	B, M	Regional	S Europe, N Africa to E Africa, Madagascar
<b>Sooty Falcon</b>	<i>Falco concolor</i>	B, M	Marginal	N Africa, S Asia to SE Africa, Madagascar
<b>Merlin</b>	<i>Falco columbarius</i>	B, M, W	Widespread	N Eurasia and North America to Oriental region and Latin America
<b>Eurasian Hobby</b>	<i>Falco subbuteo</i>	B, M	Widespread	Eurasia to Oriental region and S Africa
<b>Lanner Falcon</b>	<i>Falco biarmicus</i>	B, W	Regional	S Europe, Arabian Peninsula, Africa
<b>Saker Falcon</b>	<i>Falco cherrug</i>	B, M, W	Regional	C Europe, C Asia, S Siberia, Himalayas and Tibet to Oriental region and NE Africa
<b>Gyrfalcon</b>	<i>Falco rusticolus</i>	B, W	Regional	N Eurasia and North America
<b>Peregrine Falcon</b>	<i>Falco peregrinus</i>	B, M, W	Widespread	Worldwide

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