

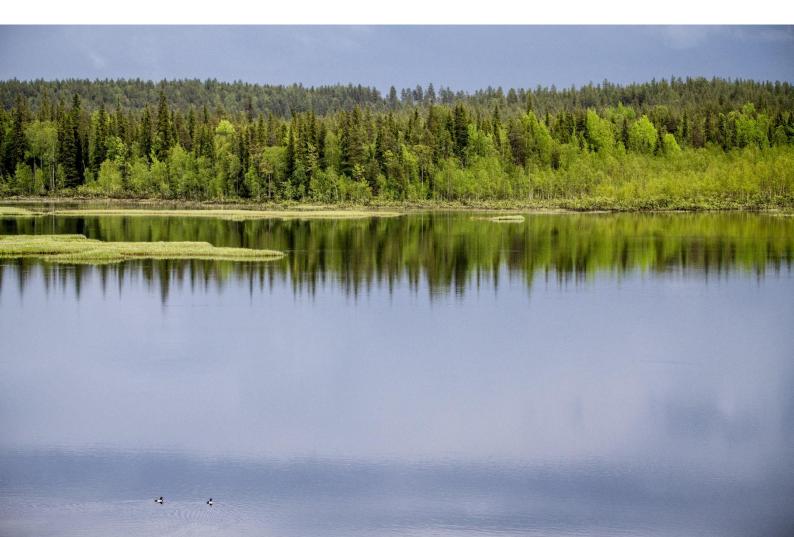
AVES Photographie Annual report

Photographic report on the ringing of migratory birds

Pierre-Lou CHAPOT – Pierre BLANCHOT

2019





From January to July 2019, AVES Photography made a trip across Europe to carry out a photographic report on the ringing of migratory birds. From France to the North of Scandinavia, we went to meet researchers, professional or volunteers ringers, to support and photograph the operations of bird captures in the field.

The birth of AVES Photographie

AVES Photographie, Aperçus Volatiles et Etendues Sauvages, is a naturalist photography project initiated in 2018 in Argentina by Pierre-Lou Chapot, an engineering student in the field of environment at AgroParisTech.



Amateur photographer and passionate about bird watching, Pierre-Lou imagined and built a project of photographic report on migratory birds in Europe for the year 2019. During this experience, he made many meetings and was able to feed his two passions in the heart of the remarkable spaces that he crossed for 7 months.

Pierre-Lou was joined for a part of the trip by Pierre Blanchot, also an engineering student at AgroParisTech. He supported the construction of the project and took part in this adventure in the service of research and birds.



A report in the service of research and conservation of migratory birds

Through this photographic report, we decided to focus on the origin of knowledge of migratory birds, the basis for the creation of this immense knowledge, on the ground, among Birds and Humans.



We set 3 main goals

Support

Support the world of research by offering communication supports to our scientific partners

Promote

Participate in the promotion and valorisation of scientific activities carried out in the field Raise awareness

Raise awareness of the need to preserve biodiversity and act for the conservation of migratory birds in Europe



Our migration alongside birds and scientists

In collaboration with numerous scientific partners, we have followed the migration of several species, from the French wintering areas to the northern nesting regions in Lapland.







- 1. French Atlantic coast
- 2. Camargue France
- 3. Belgium Netherlands
- 4. Christiansø Denmark
- 5. Kristianstad Sweden
- 6. Ottenby Sweden
- 7. Turku Finland
- 8. Maaninka Finland
- 9. Finnish Lapland
- 10. Lofoten Norway
- 11. Varanger Norway

Our results in a few figures



ringing of migratory birds

Online photo albums presenting the diversity of birds in their natural environment

1000 t

ringers in the field

Our results in a few pictures

Our publications followed by a community of over 1500 people

Throughout the trip, we regularly published the images and their explanations on all of our networks, followed by a community of more than 1,500 people.



@avesphotographie

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Our images used by scientists for various publications



Eggs of great tit (*Parus major*). This photo was taken in Ruissalo, Finland, on May 3rd, 2019, by the photographer Pierre-Lou Chapot, www.pierrelouchapot.com/home

en-Der

By providing the images produced to partner researchers, we offer them illustrations that can be used free of charge for the publication of their various communication tools.

This image produced by Pierre-Lou was chosen by Bin-Yan Hsu, a researcher at the University of Turku in Finland, for the publication of a scientific article in the journal "The American Naturalist".



Our exhibition at the International Wildlife Photo Festival of Montier-

With more than 40,000 visitors each year, the Montier festival is the unmissable event for professionals and amateurs of wildlife photography.





Our awareness actions for young people

We met on several occasions with students from the Emile Zola school in Bar-le-Duc and the Louis Pasteur school in Rueil-Malmaison. These interesting exchanges were an opportunity to offer them an opening on the themes of photography, travel and ecology through the migration of birds.

The ringing of migratory birds, a scientific tool for understanding avifauna

The ringing of migratory birds is a scientific tool that allows the study of bird populations and migratory behavior.



European Greenfinch ringed on the island of Jurmo, Finland – May 2019

Ringing, in the broad sense, runs through several stages. It is a regulated scientific activity that requires technical skills and a great knowledge of the species. In fact, all over Europe, all ringers, even volunteers, hold a ringing permit generally obtained after several years of training.



Pentti Runko has been ringing Goldeneyes for over 35 years!

Capture techniques are adapted to species and their environment



Capturing birds requires a good knowledge of their habits.

There are different capture techniques adapted to the type of species sought and the type of habitat present in the capture area. The most common techniques are catching with a net, trapping instrument, or catching young non-flying individuals.



Mallard duck caught on the Grandes Cabanes du Vaccarès, Camargue – February 2019



Ringing allows individual identification and data collection

After identifying the species, a metal ring engraved with a unique code is affixed to a leg of the bird.



These rings will be attached to the leg of young eagles born in Finland.

Different measurements are made to collect several characters of the bird (plumage, morphology, adiposity, etc.).



The length of the folded wing is measured at each capture.

After a few minutes of handling, the bird regains its freedom



Kim Kuntze and the flight of the thrush, Jurmo, Finland – May 2019

Controls deliver valuable information

When a ringed bird is recaptured or found dead, it is then possible to identify the individual using the code on its ring. We therefore learn that this individual moved from the place where he was ringed to the place of recapture.



This dunlin captured by the LPO on the Atlantic coast was captured and ringed in Poland.

Sometimes, colored rings or marks placed on the beak or wings can make it possible to recognize the individual from a distance without requiring a recapture.

And in recent years, tracking methods have been developed and the placement of transmitters has made it possible to collect new, more precise data.



This male Teal wears a coded nasal mark which will allow it to be identified from a distance.

Several million birds are ringed each year in Europe and thus offer a considerable mine of information for the understanding of migratory behavior and the assessment of the state of populations. This data will allow in particular to set up management measures for the conservation of species.

Processing this quantity of information and studying migratory species at the scale of their populations requires international collaboration between researchers. This cooperation is carried out through transnational study programs and the EURING structure centralizes all ringing data in Europe.



The partners of our project

Partner scientific structures

The construction of the project and the quality of its content rested largely on all the researchers, ringers, professionals or volunteers, who agreed to welcome us and share with us their daily lives and their knowledge.



Financial and material partners

We thank all of our financial and material partners for their support and for the trust they placed in us.



Acknowledgements

This project would not have been possible without the considerable help brought by all the people who appreciated our approach and whom we wish to thank today.

Our thanks go first to Matthieu Guillemain, researcher at the Avifaune Migratory Unit of ONCFS, and Céline Arzel, researcher at the University of Turku in Finland. They answered our call and agreed to give us immense support for the construction of the project, and this from our first reflections in 2018.

For their warm welcome and the sharing of their passion in the field, we particularly thank Pentti Runko and Kaisa-Maria, Jarmo Ahtinen, Petri Piisilä, Olli-Pekka Karlin and Lea, Eero Perttunen and his family, Lennart Saari and his family, Svend Erik Garbus, Magnus Hellström and the entire Ottenby Bird Observatory team, Kim Kuntze and the entire Jurmo Bird Observatory team, Elie Gaget, Johan Elmberg and the Wilson family.

For their welcome and the sharing of good moments on the ground, we thank Michel Lepley; Emmanuel Joyeux, Charlotte Francesiaz, Olivier Girard and the team of the Chanteloup reserve; Régis Gallais, Jean-Pierre Guéret, Sylvain Haie and the team of the Baie de l'Aiguillon reserve; Philippe Delaporte, Pierre Rousseau and the team met at Moëze-Oléron; Antoine Stier, Suvi Ruuskanen and her team; Benoit Girard; the team of the Tour du Valat station; Sébastien Pierret; Emmanuel Vialet; Leïla Debiesse.

We also thank François Chiron, researcher at AgroParisTech, for his advice and support in the construction of the project.

Finally, we would like to thank Maud Potier for her trust and admirable energy, as well as the entire Montier Photo Festival team and the RNCFS du Lac du Der team for their hospitality during the last 2 editions of the festival in 2018 and 2019!

A huge thanks goes to the participants of our crowdfunding for their support!

Raphaëlle Elodie Laurence et Alain Marc Françoise Emile Apolline Victor
Valérie Lorraine et Margot Carole Anne Yohan Jacqueline Claude Lucas
Margaux Pascal et Nathalie Madeleine Valentin Julie Joëlle Florie Aude
Schérazade Alain Julien Thomas Benoit Cléa Jean-Loup Manu Rafik PY
Olivier Henri Georges et Praline Charlotte Francine Lucas Vincent Arlette Liam
Hugo Françoise Mariek André Antoine Elisabeth Jean-Yves Michèle Marie
Michel Anne Marie Abel Catherine Olivier Sylvie Elisabeth Chantal Adrian
Benoit Cécile Myriam Christine Clément Elise Pascal Elsa Audrey Anne
Arthur Arthur Marc Fred Jean-Pierre Nicolas Bertrand Florence Marie-Lan
Christian Cécile Marie Max Evilys Genevieve Patrick Pierre Marc Betty
Benjamin Gauthier Daren Thomas Nadia Hannah Didier Victor Nathalie
Alain Tanguy André Martin Harold Julie Juliet Juliette Vincent Odette

AVES Photography... and what's next?

We are currently continuing our work to promote the project and our awarenessraising actions.

Our next interventions will take place on January 18, 2020 to meet two classes from the Louis Pasteur school in Rueil-Malmaison. We will prepare them several games to discover the birds and open them to the theme of ecology.

On January 21, 2020, we will give a conference in the city of Arles to talk about

our project and present the ringing and its interest for the knowledge of migratory birds.

Other exhibitions and conferences are also under construction for the rest of 2020.

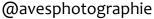
In the longer term, Pierre-Lou will not stop sharing with you his passion for photography. He will continue to publish images made during his next trips and why not, a little later, build a new project like the one he realized in 2019!

Feel free to continue to follow our news!



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Appendix - List of 230 species observed

Ordre : Anseriformes	Famille : Anatidae	
Alopochen aegyptiaca	Egyptian goose	
Anas acuta	Northern Pintail	
Anas clypeata	Northern Shoveler	
Anas crecca	Eurasian Teal	
Anas penelope	Eurasian Wigeon	
Anas platyrhynchos	Mallard	
Anas querquedula	Garganey	
Anas strepera	Gadwall	
Anser albifrons	White-fronted Goose	
Anser anser	Greylag Goose	
Anser fabalis	Bean Goose	
Aythya ferina	Common Pochard	
Aythya fuligula	Tufted Duck	
Aythya marila	Greater Scaup	
Branta bernicla	Brant Goose	
Branta canadensis	Canada Goose	
Branta leucopsis	Barnacle Goose	
Bucephala clangula	Common Goldeneye	
Clangula hyemalis	Long-tailed Duck	
Cygnus cygnus	Whooper Swan	
Cygnus olor	Mute Swan	
Melanitta fusca	Velvet Scoter	
Melanitta nigra	Common Scoter	
Melanitta perspicillata	Surf Scoter	
Mergellus albellus	Smew	
Mergus merganser	Common Merganser	
Mergus serrator	Red-breasted Merganser	
Netta rufina	Red-crested Pochard	
Somateria mollissima	Common Eider	
Somateria spectabilis	King Eider	
Tadorna tadorna	Common Shelduck	
Ordre : Apodiformes	Famille : Apodidae	
Apus apus	Common Swift	
Ordre : Caprimulgiformes	Famille : Caprimulgidae	
Caprimulgus europaeus	European Nightjar	
Ordre : Charadriiformes	Famille : Alcidae	
Alca torda	Razorbill	
Cepphus grylle	Black Guillemot	
Fratercula arctica	Atlantic Puffin	
Uria aalge	Common Murre	
Uria lomvia	Thick-billed Murre	
Ordre : Charadriiformes	Famille : Charadriidae	
Charadrius alexandrinus	Kentish Plover	
Charadrius dubius		
Charadrius hiaticula	Little Ringed Plover	
Charadrius morinellus	Common Ringed Plover	
Pluvialis apricaria	Eurasian Dotterel	
Pluvialis squatarola	European Golden Plover Grey Plover	

Vanellus vanellus	Northern Lapwing	
Ordre : Charadriiformes	Famille : Haematopodidae	
Haematopus ostralegus	Eurasian Oystercatcher	
Ordre : Charadriiformes	Famille : Laridae	
Chroicocephalus genei	Slender-billed Gull	
Chroicocephalus ridibundus	Black-headed Gull	
Hydrocoloeus minutus	Little Gull	
Hydroprogne caspia	Caspian Tern	
Ichthyaetus melanocephalus	Mediterranean Gull	
Larus argentatus	European Herring Gull	
Larus canus	Mew Gull	
Larus fuscus	Lesser Black-backed Gull	
Larus marinus	Great Black-backed Gull	
Rissa tridactyla	Black-legged Kittiwake	
Sterna hirundo	Common Tern	
Sterna paradisaea	Arctic Tern	
Sternula albifrons	Little Tern	
Thalasseus sandvicensis	Sandwich Tern	
Ordre : Charadriiformes	Famille : Recurvirostridae	
Recurvirostra avosetta	Pied Avocet	
Ordre : Charadriiformes	Famille : Scolopacidae	
Actitis hypoleucos	Common Sandpiper	
Arenaria interpres	Ruddy Turnstone	
Calidris alba	Sanderling	
Calidris alpina	Dunlin	
Calidris maritima	Purple Sandpiper	
Calidris minuta	Little Stint	
Calidris temminckii	Temminck's Stint	
Gallinago gallinago	Common Snipe	
Limosa lapponica	Bar-tailed Godwit	
Limosa limosa	Black-tailed Godwit	
Numenius arquata	Eurasian Curlew	
Numenius phaeopus	Whimbrel	
Phalaropus lobatus	Red-necked Phalarope	
Philomachus pugnax	Ruff	
Scolopax rusticola	Eurasian Woodcock	
Tringa erythropus	Spotted Redshank	
Tringa glareola	Wood Sandpiper	
Tringa nebularia	Common Greenshank	
Tringa ochropus	Green Sandpiper	
Tringa totanus	Common Redshank	
Ordre : Charadriiformes	Famille : Stercorariidae	
Stercorarius longicaudus	Long-tailed Jaeger	
Stercorarius parasiticus	Parasitic Jaeger	
Ordre : Ciconiiformes	Famille : Ciconiidae	
Ciconia ciconia	White Stork	
Ciconia nigra	Black Stork	



Ordre : Columbiformes	Famille : Columbidae	Ordre : Passeriformes	Famille : Bombycillidae
Columba livia	Common Pigeon	Bombycilla garrulus	Bohemian Waxwing
Columba oenas	Stock Dove	Ordre : Passeriformes	Famille : Certhiidae
Columba palumbus	Common Wood Pigeon	Certhia brachydactyla	Short-toed Treecreeper
Streptopelia decaocto	Eurasian Collared Dove	Certhia familiaris	Eurasian Treecreeper
Ordre : Coraciiformes	Famille : Alcedinidae	Ordre : Passeriformes	Famille : Cinclidae
Alcedo atthis	Common Kingfisher	Cinclus cinclus	White-throated Dipper
Ordre : Cuculiformes	Famille : Cuculidae	Ordre : Passeriformes	Famille : Corvidae
lamator glandarius	Great Spotted Cuckoo	Coloeus monedula	Western Jackdaw
Euculus canorus	Common Cuckoo	Corvus corax	Northern Raven
Ordre : Falconiformes	Famille : Accipitridae	Corvus cornix	Hooded Crow
Accipiter nisus	Eurasian Sparrowhawk	Corvus corone	Carrion Crow
Aquila chrysaetos	Golden Eagle	Corvus frugilegus	Rook
Buteo buteo	Common Buzzard	Garrulus glandarius	Eurasian Jay
Buteo lagopus	Rough-legged Buzzard	Perisoreus infaustus	Siberian Jay
Circus aeruginosus	Western Marsh Harrier	Pica pica	Eurasian Magpie
Circus cyaneus	Northern Harrier	Ordre : Passeriformes	Famille : Emberizidae
Circus pygargus	Montagu's Harrier	Calcarius lapponicus	Lapland Longspur
Haliaeetus albicilla	White-tailed Eagle	Emberiza citrinella	Yellowhammer
Milvus milvus	Red Kite	Emberiza hortulana	Ortolan Bunting
Pandion haliaetus	Western Osprey	Emberiza rustica	Rustic Bunting
Ordre : Falconiformes	Famille : Falconidae	Emberiza schoeniclus	Common Reed Bunting
alco columbarius	Merlin	Plectrophenax nivalis	Snow Bunting
alco peregrinus	Peregrine Falcon	Ordre : Passeriformes	Famille : Fringillidae
alco rusticolus	Gyrfalcon	Carduelis cannabina	
alco subbuteo	Eurasian Hobby	Carduelis carduelis	Common Linnet
alco tinnunculus	Common Kestrel	Carduelis chloris	European Goldfinch
alco vespertinus	Red-footed Falcon	Carduelis flammea	European Greenfinch
Ordre : Galliformes	Famille : Phasianidae	Carduelis flavirostris	Common Redpoll Twite
Alectoris rufa		Carduelis hornemanni	
Lagopus lagopus	Red-legged Partridge	Carduelis spinus	Arctic Redpoll
	Willow Ptarmigan	Coccothraustes coccothraustes	Eurasian Siskin Hawfinch
.agopus muta .yrurus tetrix	Rock Ptarmigan	Fringilla coelebs	
Perdix perdix	Black Grouse	Fringilla montifringilla	Common Chaffinch
Phasianus colchicus	Grey Partridge	Pinicola enucleator	Brambling
Tetrao urogallus	Common Pheasant	Pyrrhula pyrrhula	Pine Grosbeak
Tetrastes bonasia	Western Capercaillie		Eurasian Bullfinch
	Hazel Grouse	Ordre : Passeriformes	Famille : Hirundinidae
Ordre : Gaviiformes	Famille : Gaviidae	Delichon urbicum	Common House Martin
Gavia arctica	Black-throated Loon	Hirundo rustica	Barn Swallow
Gavia stellata	Red-throated Loon	Riparia riparia	Sand Martin
Ordre : Gruiformes	Famille : Gruidae	Ordre : Passeriformes	Famille : Motacillidae
Grus grus	Common Crane	Anthus cervinus	Red-throated Pipit
Ordre : Gruiformes	Famille : Rallidae	Anthus petrosus	Eurasian Rock Pipit
iulica atra	Eurasian Coot	Anthus pratensis	Meadow Pipit
Gallinula chloropus	Common Moorhen	Anthus trivialis	Tree Pipit
Rallus aquaticus	Water Rail	Motacilla alba	White Wagtail
Ordre : Passeriformes	Famille : Aegithalidae	Motacilla cinerea	Grey Wagtail
Aegithalos caudatus	Long-tailed Tit	Motacilla flava	Western Yellow Wagtail
Ordre : Passeriformes	Famille : Alaudidae		
Alauda arvensis	Eurasian Skylark		
Eremophila alpestris	Horned Lark		



Erithacus rubecula Ficedula albicollis Ficedula hypoleuca Luscinia svecica Muscicapa striata Oenanthe oenanthe Phoenicurus ochruros Phoenicurus phoenicurus Saxicola rubetra Saxicola rubetra Turdus iliacus	European Robin Collared Flycatcher European Pied Flycatcher Bluethroat Spotted Flycatcher Northern Wheatear Black Redstart Common Redstart Whinchat	Panurus biarmicus Ordre : Passeriformes Troglodytes troglodytes Ordre : Pelecaniformes Ardea alba Ardea cinerea Botaurus stellaris	Bearded ReedlingFamille : TroglodytidaeEurasian WrenFamille : ArdeidaeGrande Aigrette
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Phoenicurus ochruros Phoenicurus phoenicurus Saxicola rubetra Saxicola rubicola	Black Redstart Common Redstart		
Phoenicurus phoenicurus Saxicola rubetra Saxicola rubicola	Common Redstart	Botaurus stellaris	Grey Heron
Saxicola rubetra Saxicola rubicola			Eurasian Bittern
Saxicola rubicola	Whinchat	Bubulcus ibis	Western Cattle Egret
		Egretta garzetta	Little Egret
Turdus iliacus	European Stonechat	Ordre : Pelecaniformes	Famille : Threskiornithidae
	Redwing	Platalea leucorodia	Eurasian Spoonbill
Turdus merula	Common Blackbird	Plegadis falcinellus	Glossy Ibis
Turdus philomelos	Song Thrush	Ordre : Phoenicopteriformes	Famille : Phoenicopteridae
Turdus pilaris	Fieldfare	Phoenicopterus roseus	Greater Flamingo
Turdus torquatus	Ring Ouzel	Ordre : Piciformes	Famille : Picidae
Turdus viscivorus	Mistle Thrush	Dendrocopos leucotos	
Ordre : Passeriformes	Famille : Paridae	Dendrocopos major	White-backed Woodpecke
Cyanistes caeruleus	Eurasian Blue Tit	Dendrocopos minor	Great Spotted Woodpecke
Lophophanes cristatus	European Crested Tit	Dryocopus martius	Lesser Spotted Woodpeck
Parus major	Great Tit	Jynx torquilla	Black Woodpecker
Poecile cinctus	Grey-headed Chickadee	Picus canus	Eurasian Wryneck
Poecile palustris	Marsh Tit		Grey-headed Woodpecker European Green
Ordre : Passeriformes	Famille : Passeridae	Picus viridis	Woodpecker
Passer domesticus	House Sparrow	Ordre : Podicipediformes	Famille : Podicipedidae
Passer montanus	Eurasian Tree Sparrow	Podiceps auritus	Horned Grebe
Ordre : Passeriformes	Famille : Prunellidae	Podiceps cristatus	Great Crested Grebe
Prunella modularis	Dunnock	Podiceps grisegena	Red-necked Grebe
Ordre : Passeriformes	Famille : Regulidae	Podiceps nigricollis	Black-necked Grebe
Regulus regulus	Goldcrest	Tachybaptus ruficollis	Little Grebe
Ordre : Passeriformes	Famille : Sittidae	Ordre : Strigiformes	Famille : Strigidae
Sitta europaea	Eurasian Nuthatch	Asio flammeus	Short-eared Owl
Ordre : Passeriformes	Famille : Sturnidae	Strix aluco	Tawny Owl
Sturnus vulgaris	Common Starling	Ordre : Suliformes	Famille : Phalacrocoracida
Ordre : Passeriformes	Famille : Sylviidae	Phalacrocorax aristotelis	European Shag
Acrocephalus schoenobaenus	Sedge Warbler	Phalacrocorax carbo	Great Cormorant
Acrocephalus scirpaceus	Eurasian Reed Warbler	Ordre : Suliformes	Famille : Sulidae
Phylloscopus collybita	Common Chiffchaff	Morus bassanus	Northern Gannet
Phylloscopus sibilatrix	Wood Warbler	Ordre : Upupiformes	Famille : Upupidae
Phylloscopus trochilus	Willow Warbler	Upupa epops	Eurasian Hoopoe
Sylvia atricapilla	Eurasian Blackcap	o haha choha	Larusian noopoc
Sylvia borin	Garden Warbler		
Sylvia communis	Common Whitethroat		
Sylvia curruca	Lesser Whitethroat		
Sylvia melanocephala	Sardinian Warbler		

