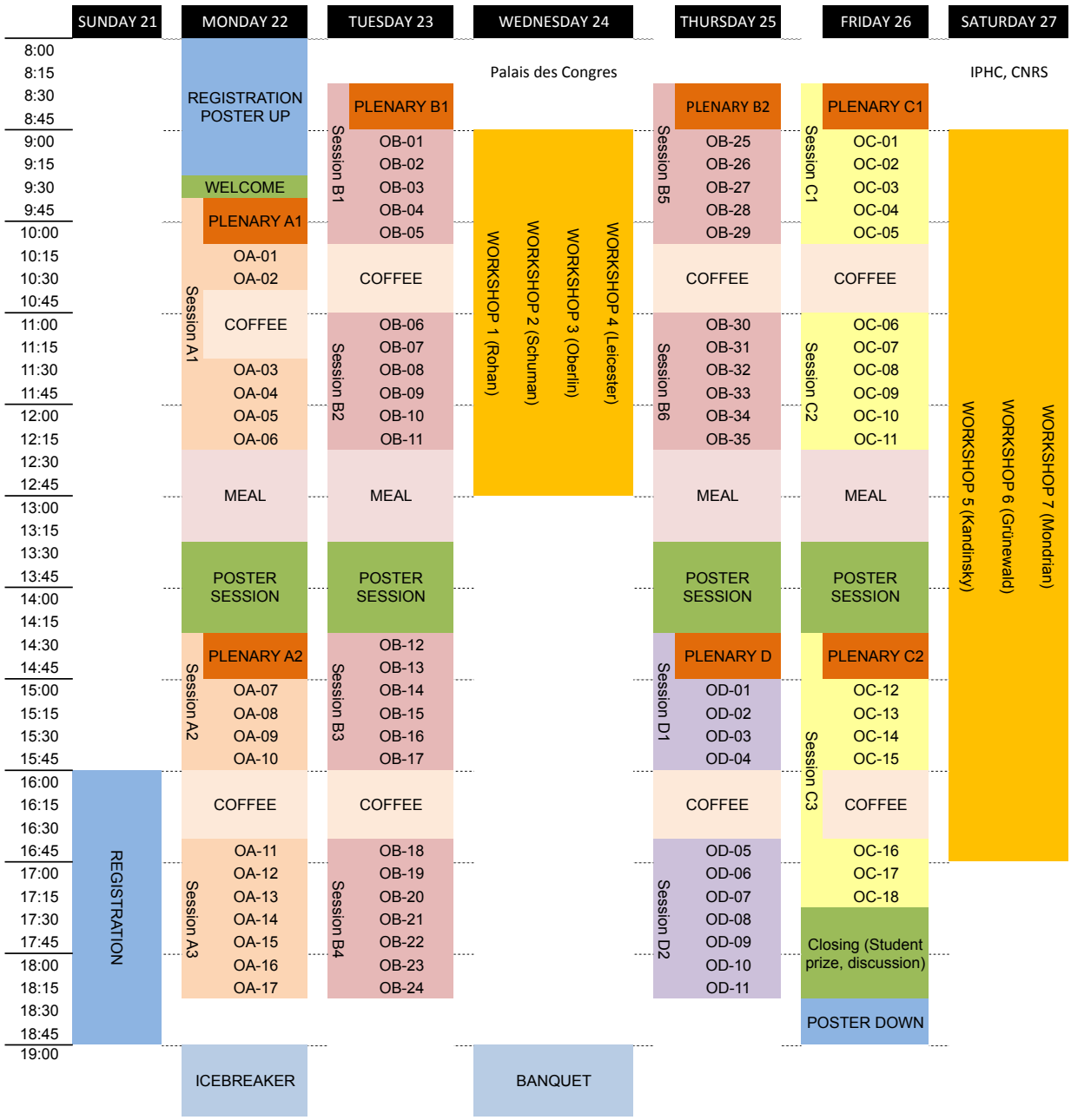
Program


SUNDAY 21
MONDAY 22
TUESDAY 23
WEDNESDAY 24
THURSDAY 25
FRIDAY 26
SATURDAY 27
Palais des Congres
IPHC, CNRS
REGISTRATION
REGISTRATION POSTER UP
WELCOME
PLENARY A1
Session A1
OA-01
OA-02
OA-03
OA-04
OA-05
OA-06
COFFEE
MEAL
POSTER SESSION
PLENARY A2
Session A2
OA-07
OA-08
OA-09
OA-10
COFFEE
Session A3
OA-11
OA-12
OA-13
OA-14
OA-15
OA-16
OA-17
ICEBREAKER
PLENARY B1
Session B1
OB-01
OB-02
OB-03
OB-04
OB-05
COFFEE
Session B2
OB-06
OB-07
OB-08
OB-09
OB-10
OB-11
MEAL
POSTER SESSION
Session B3
OB-12
OB-13
OB-14
OB-15
OB-16
OB-17
COFFEE
Session B4
OB-18
OB-19
OB-20
OB-21
OB-22
OB-23
OB-24
WORKSHOP 1 (Rohan)
WORKSHOP 2 (Schuman)
WORKSHOP 3 (Oberlin)
WORKSHOP 4 (Leicester)
BANQUET
PLENARY B2
Session B5
OB-25
OB-26
OB-27
OB-28
OB-29
COFFEE
Session B6
OB-30
OB-31
OB-32
OB-33
OB-34
OB-35
MEAL
POSTER SESSION
PLENARY D
Session D1
OD-01
OD-02
OD-03
OD-04
COFFEE
Session D2
OD-05
OD-06
OD-07
OD-08
OD-09
OD-10
OD-11
PLENARY C1
Session C1
OC-01
OC-02
OC-03
OC-04
OC-05
COFFEE
Session C2
OC-06
OC-07
OC-08
OC-09
OC-10
OC-11
MEAL
POSTER SESSION
PLENARY C2
Session C3
OC-12
OC-13
OC-14
OC-15
COFFEE
OC-16
OC-17
OC-18
Closing (Student prize, discussion)
POSTER DOWN
WORKSHOP 5 (Kandinsky)
WORKSHOP 6 (Grünewald)
WORKSHOP 7 (Mondrian)

22 September, Monday

09:30 Opening remarks
Oral session A1 (Chairperson: Ratcliffe Norman)
09:45 Plenary A1: Wikelski Martin – Open questions and technological advances in terrestrial animal tracking.
10:15 OA-01: Righton David – Spatial segregation of ocean migrating Atlantic salmon.
10:30 OA-02: Meekan Mark – Why do whale sharks get so big? Ecological drivers of the evolution of body size in the world's largest fish.
Coffee break
11:30 OA-03: Mansfield Kate – First satellite tracks of yearling sea turtles provide new insight on the "lost years" oceanic niche.
11:45 OA-04: Conners Melinda – Shadowed by scale: Important behavioral states of foraging Hawaiian albatross revealed with fine-scale GPS data-loggers.
12:00 OA-05: Tarroux Arnaud – Disentangling effects of oceanography and individual states on foraging patterns of a long-lived seabird.
12:15 OA-06: Prudor Aurélien – Impact of environmental variability and extreme events on foraging of tropical seabirds.
Lunch
13:30 Poster session
Oral session A2 (Chairperson: Roquet Fabien)
14:30 Plenary A2: Hindell Mark – In praise of big bio-logging data sets.
15:00 OA-07: D'ovidio Francesco – Integrating high resolution tracking data with the meso- and submesoscale dynamics of the open ocean.
15:15 OA-08: Goetz Kimberly – Seasonal habitat preference and foraging behavior of a top Antarctic predator, the Weddell seal.
15:30 OA-09: Blanchet Marie-Anne – Living on the edge: harbour seals in the high Arctic.
15:45 OA-10: Guinet Christophe – Finding food at the best price: the cost of foraging in relation to habitat in southern elephant seals.
Coffee break
Oral session A3 (Chairperson: Lea Mary-Anne)
16:45 OA-11: Fedak Mike – A strategic approach to the study of oceanic heat flow to the Pine Island Glacier: the role of ocean data collected by seals in in relation to that of other modalities used in the iStar Ocean2ice Project.
17:00 OA-12: Scheffer Annette – Foraging areas of macaroni penguins (*Eudyptes chrysolophus*) in the south Atlantic and south Indian Ocean.
17:15 OA-13: Sugishita Junichi – Is it advantageous for albatrosses to forage near fishing vessels? An integrated approach using chick weight gain as a proxy for benefit.
17:30 OA-14: McInnes Alistair – Foraging strategies of breeding African penguins *Spheniscus demersus* in relation to fine-scale distribution and abundance of pelagic fish species.
17:45 OA-15: Fort Jérôme – Spatial ecotoxicology: combining biotelemetry to pollutant analyses to investigate the origin of Arctic seabird contamination.
18:00 OA-16: Russell Debbie – Visualisation of the use of anthropogenic structures by marine mammals.
18:15 OA-17: Schneider Manuel – Analysing behaviour of grazers in heterogeneous terrain using high-frequency GPS tracking.
19:00 *Icebreaker*

23 September, Tuesday

Oral session B1 (Chairperson: Takahashi Akinori)

08:30 Plenary B1: Fryxell John – Remote sensing of behavior, energetic constraints, and movement ecology of woodland.

09:00 OB-01: De Grissac Sophie – The Early life at sea of juveniles albatrosses and petrels: a comparative study.

09:15 OB-02: Adachi Taiki – Searching prey in 3D environment: hierarchical foraging behaviour of northern elephant seals.

09:30 OB-03: Aguilar De Soto Natacha – Sharing the wealth, a cost-benefit analysis of niche segregation in deep-diving pilot and beaked whales.

09:45 OB-04: Orben Rachael – Bigger is not always better: Body size predicts individual winter foraging strategies of thick-billed murres (*Uria lomvia*) in the Bering Sea.

10:00 OB-05: Horning Markus – In cold blood: evidence of sleeper shark predation on Steller sea lions from Life History Transmitter implants.

Coffee break

Oral session B2 (Chairperson: Stimpert Alison)

11:00 OB-06: Rutz Christian – Using proximity loggers to map social-network dynamics in wild, free-ranging birds.

11:15 OB-07: Vazquez Diosdado Jorge Alberto – Detection of welfare problems in dairy cows using a real time local positioning system.

11:30 OB-08: Wisniewska Danuta – Targeting fast prey in shallow waters: Predator-prey interactions revealed by echolocation.

11:45 OB-09: Vacquié Garcia Jade – Foraging in the deep dark of the Southern Ocean for luminous prey.

12:00 OB-10: Papastamatiou Yannis – Behavioural routines and central place refuging in a marine predator that never stops swimming.

12:15 OB-11: Hooker Sascha – Images as proximity sensors: recording conspecific Antarctic fur seals at sea.

Lunch

13:30 *Poster session*

Oral session B3 (Chairperson: Heide-Jørgensen Mads Peter)

14:30 OB-12: Fuiman Lee – Foraging tactics of Weddell seals in McMurdo Sound, Antarctica, and their changes with seasonal variations in ambient light.

14:45 OB-13: Christiansen Fredrik – High-resolution Fastloc GPS telemetry reveals fine-scale diel movement patterns and habitat use in grazing sea turtles: links to predation threat and optimisation of resource acquisition.

15:00 OB-14: McHuron Elizabeth – Foraging strategies of California sea lions at the individual and rookery level.

15:15 OB-15: Swift Rene – Prey type and density predict the foraging behaviour and kinematics of two sympatric baleen whale species, fin and humpback whales.

15:30 OB-16: Bodey Thomas – Net gains: Seabird movement reveals the ecological footprint of fishing vessels.

15:45 OB-17: Friedlaender Ari – Feeding rates and under-ice foraging strategies of the smallest bulk-filter feeder, the Antarctic minke whale (*Balaenoptera bonaerensis*).

Coffee break

Oral session B4 (Chairperson: Shepard Emily)

16:45 OB-18: Yovel Yossi – On-board GPS monitoring reveals that wild bats aggregate to improve foraging, but are impaired when conspecific density becomes too high.

17:00 OB-19: Goetsch Chandra – Specific foraging behaviors are associated with different diets in northern elephant seals (*Mirounga angustirostris*).

17:15 OB-20: Jeanniard-Du-Dot Tiphaine – Can acceleration data help to accurately estimate foraging behaviours and efficiencies of free-ranging fur seals?

17:30 OB-21: Williams Hannah – What can accelerometry tell us about soaring flight?

17:45 OB-22: Jorgensen Salvador – Locomotory patterns and energetics of the northeastern Pacific white shark, a long-distance oceanic migrator.

18:00 OB-23: Bestley Sophie – Taking animal tracking to new depths: synthesising vertical and horizontal movement relationships across multiple marine predators.
18:15 OB-24: Thiebault Andréa – Going further in seabird tracking: from observing patterns to understanding processes.

24 September, Wednesday

09:00 *Workshops*
WS-1: Body temperature measurement in free ranging animals (*Salon Rohan*)
WS-2: How can bio-logging advance our understanding of flight? (*Salle Schuman*)
WS-3: A picture is worth a thousand words: bio-logging as a tool for collecting video footage and still images of animal behaviour (*Salle Oberlin*)
WS-4: Wildlife Satellite Telemetry (*Sallon Leicester*)
19:00 *Banquet (L'Ancienne Douane)*

25 September, Thursday

Oral session B5 (Chairperson: Gleiss Adrian)
08:30 Plenary B2: Wilson Rory – In search of a new movement framework based on energetics.
09:00 OB-25: Miyata Naoyuki – Japanese sea bass repeated short excursion to freshwater around salinoedge: Foraging behavior under constraint of salinity adaptation.
09:15 OB-26: Malkemper E. Pascal – Novel techniques to assess spontaneous magnetic behavior in predatory foxes and other free roaming animals.
09:30 OB-27: Watanabe Yuuki – Ecological significance of endothermy in fishes: do they swim faster?
09:45 OB-28: Loretto Matthias-Claudio – Fission-fusion dynamics in wild non-breeding ravens (*Corvus corax*).
10:00 OB-29: Fossette Sabrina – Swim or strand: accelerometry and particle tracking model reveal the importance of rheotaxis to jellyfish dispersal and survival.
Coffee break
Oral session B6 (Chairperson: Shamoun-Baranes Judy)
11:00 OB-30: Sims David – Scale-free behaviour patterns detected in diverse marine predators: what do they mean and why should we get excited?
11:15 OB-31: Sousa Lara – Satellite tracking the world's heaviest bony fish: Movements and behaviour of the ocean sunfish (*Mola mola*) in the northeast Atlantic.
11:30 OB-32: Kölzsch Andrea – Goose family behaviour explored with accelerometers and high-frequency GPS.
11:45 OB-33: Gilbert Nathalie – Are white storks addicted to "Junk Food"? Habitat selection and identification of behaviour by the white stork (*Ciconia ciconia*) from newly developed GPS/GSM data loggers and tri-axial accelerometer data.
12:00 OB-34: Thygesen Uffe – Vertical migrations of bigeye tuna: Predictions from a dynamic optimal foraging model.
12:15 OB-35: Åkesson Susanne – Continental-wide tracking of swifts.
Lunch
13:30 *Poster session*
Oral session D1 (Chairperson: Weise Michael)
14:30 Plenary D: McMahon Clive – Biologging acrobatics: balancing the need for research and animal welfare in a vibrant research environment.
15:00 OD-01: Mulero Margarita – Use of Unmanned Aerial Systems for gathering data from animals marked with GPS collars in Doñana National Park (southwest of Spain).
15:15 OD-02: Pichegru Lorien – Experimental fishing exclusions for penguins in South Africa - A success story.

15:30 OD-03: Andrews Russel – Improving attachments of remotely-deployed dorsal fin-mounted tags: tissue structure, hydrodynamics, in situ performance, and tagged-animal follow-up.
15:45 OD-04: Block Barbara – Monitoring ecosystems with biologging: The challenges and frontiers.
Coffee break
Oral session D2 (Chairperson: Evans Karen)
16:45 OD-05: Jones T. Todd – Electronic tagging studies of pelagic fish: Implications of drag on tag retention and data applicability.
17:00 OD-06: Metcalfe Julian – Hooked on acceleration.
17:15 OD-07: Bidder Owen – A Movement Ecology Toolkit: Novel biotelemetry methodologies for elucidating animal behaviour and location.
17:30 OD-08: Murphy Christin – An animal-borne datalogger records vibrations from seal whiskers during hydrodynamic trail following.
17:45 OD-09: Shorter Alex – Concurrent measures of fine-scale behaviors and basic oceanographic parameters in the veined squid, *Loligo forbesi.*
18:00 OD-10: Humphries Nicolas E. – Unravelling GPS tag data: A simple, objective method for the identification of steps and turns in movement paths.
18:15 OD-11: Tyack Peter – A biologging approach to studying acoustic communication.

26 September, Friday

Oral session C1 (Chairperson: Hawkes Lucy)
08:30 Plenary C1: Costa Daniel – Advances in field physiology.
09:00 OC-01: Miller Patrick – Body density and diving lung volume of northern bottlenose whales (*Hyperoodon ampullatus*) derived from analysis of hydrodynamic performance during glides.
09:15 OC-02: Whitney Nick – Hook, line, and sinker? Accelerometers to assess post-release mortality and recovery periods in coastal sharks.
09:30 OC-03: Williams Cassondra – Blood oxygen depletion patterns and heart rate in a cold-blooded diver, the loggerhead turtle.
09:45 OC-04: Bishop Charles – Locomotion dynamics and heart rate of migrating bar-headed geese (*Anser indicus*).
10:00 OC-05: Portugal Steven – Bright nights, costly mornings: increases in night-time body temperature correspond with brightness of the moon and cloudless nights in wintering barnacle geese (*Branta leucopsis*).
Coffee break
Oral session C2 (Chairperson: Mellish Jo-Ann)
11:00 OC-06: Ponganis Paul – How to dive deep: Heart rate and blood oxygen profiles in California sea lions.
11:15 OC-07: Tift Michael – Gliding down and stroking up: Blood oxygen depletion and exercise intensity in California sea lions.
11:30 OC-08: Hindle Allyson – Endothermy at the poles: understanding air/water thermoregulation in free-ranging Weddell seals by skin surface heat flux.
11:45 OC-09: Furukawa Seishiro – Switching of gill-ventilation modes in freely-swimming sailfish revealed by video/speed/depth/acceleration data-loggers.
12:00 OC-10: Madsen Peter T. – Playing tag with the biggest nose on record: Biomechanics of air-driven sound production in deep-diving sperm whales.
12:15 OC-11: Johnson Mark – Where's the air? Sound recording tags on deep diving whales reveal nasal air movements.
Lunch
13:30 *Poster session*

Oral session C3 (Chairperson: Handrich Yves)

14:30 Plenary C2: Simon Chantal – Stakes and challenges of physical activity evaluation in relation to health in humans.
15:00 OC-12: Evans Alina – Drivers of den entry and exit behavior in the brown bear.
15:15 OC-13: McDonald Birgitte – Big hearts, small bodies, and cold water: Diving heart rate in harbor porpoises.
15:30 OC-14: Roos Marjoleine – The significance of respiration frequency and timing in the energetics of killer whales (*Orcinus orca*).
15:45 OC-15: Van Der Hoop Julie – Acoustic parameters as indicators of metabolic rate in *Tursiops truncatus*.
Coffee break
16:45 OC-16: Graf Patricia – Diving behaviour and energetics of a semi-aquatic, shallow-diving species: The Eurasian beaver (*Castor fiber*).
17:00 OC-17: Willener Astrid – Reassessment of the cardio-respiratory stress response: accounting for stress-associated movement.
17:15 OC-18 Grémillet David – Energetic fitness: linking metabolic effort derived from accelerometry data with Darwinian fitness.
17:30 *Closing remarks*

27 September, Saturday

09:00 *Workshops at IPHC, CNRS*
WS-5: Variability in the movement patterns of marine predator populations: physiological, behavioural and environmental drivers. A CLIOTOP WG2 workshop (*Salle Kandinsky*)
WS-6: Linking marine predator behavior to prey fields (*Amphithéâtre Grünwald*)
WS-7: Making tags work (*Salle Mondrian*)

Poster presentation

PA-01 Torres Leigh – Transferable species distribution models of a pelagic seabird link ecology, oceanography and conservation.
PA-02 Miyazaki Nobuyuki – New advanced devices tell us meaningful information on habitat use of Japanese sea bass and application to Integrated Coastal Management.
PA-03 Heupel Michelle – Location, location, location: variability in grey reef shark movements.
PA-04 Whitehead Thomas – Foraging ecology of crested penguins during the pre-moult stage at Marion Island.
PA-05 Cannell Belinda – Neighbouring little penguin colonies in Western Australia exhibit different responses to climate change.
PA-06 Pollet Ingrid – Breeding and overwinter movements of Leach's storm-petrels, *Oceanodroma leucorhoa.*
PA-07 Peterson Sarah – Elephant seals: biologgers of contaminants in the mesopelagic North Pacific.
PA-08 Baylis Alastair – Multiple foraging strategies of adult female southern sea lions (*Otaria flavescens*) breeding at the Falkland Islands.
PA-09 Roquet Fabien – Seals are valuable auxiliaries to observing the Southern Ocean.
PA-10 Hamilton Charmain – Ringed seals in a changing world: effects of declining sea ice extent on behaviour and movement patterns.
PA-11 Cerqueira Ferreira Luciana – Large scale tracking and home range of an apex predator.
PA-12 Merkel Benjamin – The Barents Sea - Polar bear habitat in a changing climate?
PA-13 Gordine Samantha Alex – Detecting buoyancy changes from compressed dive profiles using a step-wise filtering method.
PA-14 Warwick-Evans Victoria – Time-in-area represents foraging activity in a wide-ranging pelagic forager.
PA-15 Pinto Cecilia – Interpreting the movement behaviour of an endangered marine apex predator.
PA-16 Scales Kylie – On the front line: composite front mapping for investigating oceanographic drivers of habitat use by marine predators.
PA-17 Stier Anna – Argos tracking to understand the ecology and behaviour of agami herons.
PA-18 Angel Lauren – GPS and accelerometry data reveal inter-annual variation in the foraging effort of Australasian gannets.
PA-19 Evans Karen – Multi-decadal variability in the spatial dynamics of southern bluefin tuna.
PA-20 Eichhorn Götz – Northern lapwings *Vanellus vanellus* tracked year(s)-round by light-level geolocation.
PA-21 Kuhn Carey – Linking northern fur seal behavior with prey distributions: the impact of temporal mismatch between predator and prey surveys.
PA-22 Bograd Steven – WhaleWatch: Integrating blue whale satellite telemetry and oceanographic data to develop habitat models for conservation and management.
PA-23 Schaeffer Paul – Thermal biology and habitat selection in box turtles (*Terrepene carolina*).
PA-24 Jumeau Jonathan – Use of wildlife underpasses by small mammals through a road interchange.
PA-25 Della Penna Alice – Moving and foraging in a flowing environment: how do marine predators respond to turbulence?
PA-26 McIntyre Trevor – Behavioural and environmental correlates with foraging success of southern elephant seals from Marion Island.
PA-27 Takahashi Akinori – From individual prey capture to reproductive success: exploring the link between foraging behavior and reproduction in Adélie penguins.
PA-28 Jeglinski Jana – Predicting population-level foraging habitat use in the endangered Galapagos sea lion using Generalised Functional Responses.
PA-29 Orben Rachael – Extrinsic and intrinsic factors influence the winter migrations of black-legged kittiwakes (*Rissa tridactyla*) in the North Pacific.
PA-30 Bestley Sophie – Prediction of krill swarm characteristics driving a marine predator "hotspot" region in East Antarctica.

PA-31 Kienle Sarah – Population-level foraging variability in a mesopelagic predator, male northern elephant seals (*Mirounga angustirostris*).
PA-32 Arthur Benjamin – Commute or migrate? Differing winter foraging strategies of Antarctic fur seals revealed through multi-dimensional tracking.
PA-34 Currey Leanne – A mobile predator? Variable space and depth use patterns of an exploited coral reef fish.
PA-35 Currey Leanne – Environmental drivers of depth use by an exploited reef fish.
PA-36 London Josh – Dive behavior and spatial variability of bearded, ribbon and spotted seals in the Bering and Chukchi Seas.
PA-37 Hochscheid Sandra – ARGOS or GSM? Also loggerhead turtles can call us to communicate their location.
PA-38 Studholme Katharine – Non-breeding season effects on reproduction and genetic structuring in rhinoceros auklets from three colonies in British Columbia, Canada.
PA-39 Jones Esther – Quantifying the variation in scale and magnitude of grey and harbour seal responses to their environment.
PA-40 Rojano-Doñate Laia – Where to do what? Spatial distribution and foraging behaviour of harbour seals (*Phoca vitulina*) in the Wadden Sea.
PA-41 Clay Tommy – Predicting population-level differences in the distribution of non-breeding albatrosses.
PA-43 Cagnacci Francesca – Biologging across space and time: studying a terrestrial species at its distribution range scale.
PA-45 Ratcliffe Norman – Do krill fisheries compete with macaroni penguins? Spatial overlap in prey consumption and catches during winter.
PA-46 Pirotta Enrico – Fin whale movements within and beyond the Pelagos Sanctuary: should we reconsider its boundaries?
PA-47 Heerah Karine – From high-resolution to low-resolution dive datasets: a new index to quantify the foraging effort of marine predators.
PA-48 O'Toole Malcolm – Making the link: higher trophic biomass gives new insight into fine-scale foraging behaviour of southern elephant seals from Kerguelen Island.
PA-49 Dias Maria – Tracking ocean wanderers: BirdLife International's seabird tracking database as a conservation tool.
PA-50 Labrousse Sara – What are southern elephant seals looking for? Long trip from Kerguelen to the Antarctic zone: The length and breadth of the mystery.
PA-52 Zydelis Ramūnas – Studying common crane (*Grus grus*) flight characteristics by high resolution GPS telemetry.
PA-53 Cotté Cédric – Importance of marine circulation on the flexible foraging ecology of top predators.
PA-54 Teilmann Jonas – Acoustic tags on wild harbour porpoises reveal context-specific reactions.
PA-55 Trudelle Laurène – Wintering habitat preferences of humpback whales (*Megaptera novaeangliae*) tagged in Madagascar using habitat modelling.
PA-56 Boveng Peter – Long-term tracking reveals winter site fidelity of bearded seals in the Bering Sea.
PA-58 Gleiss Adrian – How does temperature impact the performance of ectotherms? Lessons from accelerometers deployed on largetooth sawfish (*Pristis pristis*).
PA-60 Dagys Mindaugas – Tracking red-throated divers: from wintering to breeding and back.
PA-62 Huckstadt Luis – Differences in patterns of habitat utilization of Weddell and crabeater seals along their circumpolar distributions: responding to local conditions.
PA-63 Hennicke Janos – Year in, year out in dire straits: Foraging movements and habitat utilisation by Abbott's boobies in oligotrophic tropical waters during breeding, migration and non-breeding.
PA-64 Villegas-Amtmann Stella – Adapted to change: Low energy requirements for Galapagos sea lions in an environment with low and unpredictable productivity.
PA-65 Dyndo Monika – The establishment of captive and wild-born juvenile grey seals released in the Baltic Sea.

PA-66 De Los Reyes Gonzalez Jose Manuel – Multi-year spatial consistency in foraging grounds: the case of the Cory's shearwater (*Calonectris borealis*) in the Canary Current upwelling.

PA-67 Bon Cécile – Use of eddies and associated structures by diving top predators: macaroni penguin in the Crozet islands.

PA-68 Schick Robert – Estimating resource acquisition and at-sea body condition of a marine predator.

PA-69 Widmann Michel – Foraging strategies of Adélie penguin (*Pygoscelis adeliae*) throughout the breeding season and with changing sea-ice conditions.

PB-01 Georges Jean-Yves – Estimating time-budget in freshwater turtles using animal-borne simple sensors.

PB-02 Sueur Cédric – Do random flight analyses highlight animal performances? Influence of individual characteristics on Lévy flight patterns in a wild seabird.

PB-03 Heide-Jørgensen Mads Peter – Stomach temperature of narwhals (*Monodon monoceros*) during feeding events.

PB-04 Fregosi Selene – Integration of an active acoustic playback system with an animal-borne sensor suite for behavioral response studies.

PB-05 Fehlmann Gaëlle – Understanding and predicting baboon space use in a human altered landscape.

PB-06 Corman Anna-Marie – What flight heights tell us about foraging and potential conflicts with wind farms: a case study in lesser black-backed gulls.

PB-07 Gall Gabriella – Individual strategies in group coordination: the role of spatial organisation and vocal signaling.

PB-08 Curé Charlotte – Anti-predator responses of cetaceans to killer whale sound playbacks.

PB-10 Stimpert Alison – Fin whale calling behavior assessed using high-resolution accelerometry.

PB-12 Krietsch Johannnes – Movement patterns of brown skuas during the non-breeding period: internal vs. environmental drivers.

PB-13 Portugal Steven – No back seat driving in pigeon flocks: Navigational scrounging or alternative homing strategies?

PB-14 Chaise Laureline – Habitat use and movement patterns of southern elephant seals during their moult.

PB-15 Steingass Sheanna – Foraging behavior of the Pacific harbor seal (*phoca vitulina richardii*) in the Pacific Northwest and potential impacts of coastal hypoxia on foraging efficiency.

PB-16 Tracey Sean – Exploring movement and behavior of southern bluefin tuna caught and released in coastal regions around southeast Australia.

PB-17 Meyer Xavier – How hydrodynamic handicaps modify complex diving behavioural organization of two deep diving predators.

PB-18 Linnebjerg Jannie – Year-round movement behaviour of Brünnich's guillemots.

PB-19 Kane Suzanne – When hawks attack: video studies of goshawk pursuit strategies.

PB-20 Wilson Kenady – iSeals: Integrating multiple technologies to understand the foraging behavior of monk seals in the main Hawaiian Islands.

PB-21 Takatsuki Naoki – Effects of body size, school size and diel period on the degree of association with drifting seaweeds in juvenile *Seriola* spp., determined by video-logger and GPS satellite telemetry.

PB-24 Gesta Mathieu – Ontogenic changes in the foraging behaviour of naive southern elephant seal pups using a new generation of onboard data processing and satellite data relayed tag.

PB-25 Berlincourt Maud – GPS tracking reveals fine scale colony-specific foraging behaviour and habitat use in the short-tailed shearwater.

PB-26 Ponchon Aurore – Intense prospecting movements of failed breeders nesting among failed conspecifics.

PB-27 Dell'omo Giacomo – Identification of shearwater's behaviour by mean of accelerometers and GPS loggers.

PB-28 Woillez Mathieu – A HMM-based model to geolocate pelagic fish from high-resolution individual temperature and depth histories: European sea bass as a case study.

PB-29 Steinert Sally – Continuous, automatic, location recording in a wild house mouse population.

PB-30 Davis Randall – Classification of free-ranging Weddell seal dives during the late winter based on three-dimensional movements and video-recorded prey capture.
PB-31 Smith Jennifer – Identifying behavioural characteristics of habitat use in juvenile New Zealand sea lions using a state-space model.
PB-32 Krause Douglas – Novel leopard seal (*Hydrurga leptonyx*) foraging behavior revealed using integrated diving, surface position, and video instruments.
PB-33 Shero Michelle – Weddell seal overwinter dive behavior in the Ross Sea: Are animals approaching physiological limits to support gestation?
PB-34 Fais Andrea – Echolocating sperm whales and their prey: No big bangs, but buzzing and chasing.
PB-35 Joumaa Joffrey – Adjustment of diving behaviour with prey encounters and body condition in a deep diving predator: the southern elephant seal.
PB-36 Bastian Thomas – Acoustically tracking the lion's mane jellyfish: horizontal and vertical movements of *Cyanea capillata* (Scyphozoa) in a shallow coastal environment.
PB-37 Naito Yasuhiko – How deep divers maximize energy gain with law foraging efficiency within limited foraging time: a case study of continuous deep diving behavior of northern elephant seal.
PB-38 Ware Colin – New and improved ways to estimate propulsive body acceleration of marine mammals.
PB-39 Chudzińska Magda – Foraging behaviour, energetics and migration currency of capital breeders during spring migration estimated from satellite telemetry.
PB-40 Wege Mia – Inter and intra-individual directional foraging fidelity of lactating Subantarctic fur seals from Marion Island.
PB-41 Akiyama Yu – Effect of prey density on lunge feeding manner of humpback whales *Megaptera novaeangliae* in Iceland.
PB-42 Doyle Thomas – Getting more from your tag - timing of data acquisition provides insights on blue shark surfacing behaviour.
PB-43 Chapple Taylor – Coupling cameras with daily diary tags to study the kinematics and behavior of white shark (*Carcharodon carcharias*).
PB-44 Le Bras Yves – Influence of the diving behaviour of a southern elephant seal on the distance traveled at surface with respect to the oceanic currents and fishing success.
PB-45 McGovern Kristen – Diving behavior and foraging strategies of southern elephant seals.
PB-46 Blackwell Susanna – First deployment of an acoustic tag on an East Greenland narwhal.
PB-47 Yoshino Kaori – Prey encounter rates and diving effort of female northern elephant seals during post-breeding and post-molt migration.
PB-48 Oksanen Sari – What do movements of Baltic ringed seals reveal us from seal-fishery interaction?
PB-49 Lédée Elodie – Movement pattern and habitat use of giant trevally *Caranx ignobilis* in offshore reef habitats.
PB-50 Nakamura Itsumi – Positive buoyancy of deep-sea sharks assisted diurnal vertical migration.
PB-51 Tsuyuki Atsushi – Activity patterns of the black sea bream around oyster rafts in Hiroshima bay, Seto-Inland Sea, Japan.
PB-52 Iwata Takashi – Experiences of prey-capture in the past 2-3 dives influenced the traveling of Antarctic fur seals.
PB-53 Niemi Marja – Seasonal activity patterns of the endangered Saimaa ringed seal.
PB-54 Gill Lisa – Straight from the jackdaw's beak - biologging in bioacoustic research.
PB-56 Makiguchi Yuya – Sperm economy in semelparous salmonid species, chum salmon.
PB-57 Nielsen Nynne – Harbour porpoises from West Greenland: Ocean-farers and deep divers.
PB-58 Sommerfeld Julia – The individual counts: Within sex differences in foraging strategies are as important as sex-specific differences in masked boobies.
PB-59 Hartog Jason – Preferred habitat of southern bluefin tuna around Australia.
PB-60 Yoshida Makoto – Variation in activity patterns of non-native channel catfish observed in river and lake.

PB-61 Steinfurth Antje – Spatial and temporal variability in foraging behaviour of northern rockhopper penguins, *Eudyptes moseleyi*, a comparison between the Tristan da Cunha archipelago and Gough Island.
PB-62 Burke Lauren – Migration and carry-over effects in tree swallows (*Tachycineta bicolor*).
PB-63 Forin-Wiart Marie-Amélie – Use of 3D-accelerometers coupled with GPS-tags to investigate how often, when and where domestic cats (*Felis silvestris catus*) hunt.
PB-64 Cresswell Brian – Nightjar migration - new discoveries, and can we combine technology with people to learn more about small migratory birds?
PB-66 Queiroz Nuno – Oceanic habitat-use and activity patterns of large satellite-tracked blue sharks *Prionace glauca* in the North Atlantic: Linking behaviour with fisheries.
PB-68 Nielsen Mette – Head mounted accelerometers reveal the behavior of red deer (*Cervus elaphus*).
PB-69 Cox Samantha – Interactions between oceanography and the diving behaviour of a pelagic seabird, the Northern gannet *Morus bassanus*, in the Celtic Sea.
PB-70 Evans Thomas – Adjusting flight behaviour according to variable environmental conditions in a foraging marine gull.
PB-71 Kirk Holly – Identifying individual behavioural fidelity and migratory carryover effects in the Manx shearwater (*Puffinus puffinus*), from five colonies over five years, using a machine learning approach.
PB-73 Brownscombe Jacob – Quantifying foraging behaviour of fish using tri-axial accelerometer biologgers.
PB-74 Richard Gaëtan – Variation in body condition during the post-moult foraging trip of southern elephant seals and its consequences on diving behavior.
PB-75 Mate Bruce – Categorizing sperm whale dive types and possible foraging strategies using intermediate-duration Advanced Dive Behavior tags.
PB-77 Wensveen Paul – Does sonar ramp-up reduce the risk of exposure to high intensity sound? An experimental evaluation with humpback whales (*Megaptera novaeangliae*).
PB-79 Conners Melinda – To breed or not to breed? Implications of post-breeding foraging strategies on reproduction in Hawaiian albatrosses.
PB-80 Zajkova Zuzana – Individual activity strategies and circadian, circalunar and circannual activity in Boyd's shearwaters.
PB-81 White Connor – Activity patterns and thermoregulatory behavior of the invasive Burmese python, *Python molurus bivittatus*, in the Florida Everglades, USA.
PB-82 Beltran Roxanne – Using simple biologging metrics to inform dynamic bioenergetics models: a case study with Weddell seals.
PB-83 McLean Montana – Understanding the consequences of recreational angling stress on the biology and movement of White Sturgeon *Acipenser transmontanus* in the Lower Fraser River, British Columbia, Canada.
PB-84 Leblanc Bernard – Did you say 21 months of continuous tracking? The journey of a bowhead whale revealed.
PB-85 Lea James – Habitat use of reef sharks in the Amirantes, Seychelles, and its management implications.
PB-86 Silva João – Effects of temperature on daily activity patterns of the little bustard.
PB-87 Bogdanova Maria – Multi-colony tracking reveals spatio-temporal variation in carry-over effects between breeding and non-breeding seasons in a pelagic seabird species, the black-legged kittiwake.
PB-88 Robson Anthony A – Circadian behaviour of the tropical gastropod Trochus niloticus L. characterized by accelerometry.
PB-89 Bevan Richard – Spatial separation of seabird foraging areas.
PC-01 Gallon Susan – The moult in southern elephant seals: the cost of losing it all.
PC-02 Wright Alexandra – Heart rates of emperor penguins diving at sea: implications for oxygen store management.
PC-03 Mellish Jo-Ann – Thermal profiling in Weddell seals: Implications for understanding thermoregulation of an Antarctic marine mammal.
PC-04 Arnould John – Giving ODBA a shake: assessing the relationships between energy expenditure and accelerometer data in free-ranging animals.

PC-05 Hawkes Lucy – On the wing physiology of bar-headed goose migration.
PC-06 Lewden Agnès – An over-cost of being a pelagic bird: A possible energetic conflict between thermoregulation and digestive processes.
PC-07 Okuyama Junichi – Simultaneous measurements of breaths and energy expenditure reveal the dive tactics of sea turtles.
PC-08 Bastian Thomas – VeDBA: a possible 'count-free' proxy for estimating daily life physical activity energy expenditures from 3-axial accelerometry data in humans?
PC-09 Suzuki Ippei – Swim speed as a measurement to estimate cost of transport in diving otariids.
PC-11 Halsey Lewis – Accelerometry to quantify kinematic and energetic changes in flying pigeons after weight manipulations.
PC-12 Narazaki Tomoko – Analysis of gliding pattern of humpback whales during the feeding season.
PC-13 Tysse Brenda – Are drugs for life, or just for Christmas? Accelerometers reveal long-term changes in Ecstasy (MDMA) users.
PC-14 Brewster Lauran – Accelerometery to determine the field metabolic rate of marine predators.
PC-15 Cornelius Jamie – Measuring the energy cost of seasonal environmental challenges using heart rate transmitters in free-living songbirds.
PD-01 Moustahfid Hassan – Enabling animal acoustic telemetry data sharing and visualization.
PD-02 Kooyman Gerald – Why do satellite transmitters attached to emperor penguins stop transmitting?
PD-03 Cook Timothée – Bio-logging: a tool for integrating non-target top predators into an ecosystem approach to fisheries.
PD-04 Pistorius Pierre – An automated approach towards measuring time-activity budgets in colonial seabirds.
PD-05 Dettki Holger – Wireless Remote Animal Monitoring (WRAM) - A new international database e-infrastructure for management and sharing of telemetry sensor data from fish and wildlife.
PD-06 Jones T. Todd – Consequences of biotelemetry drag and the applicability of data to tag-free animals.
PD-07 Broell Franziska – Using High-frequency accelerometers to resolve fish activity and behavior in response to environmental variation.
PD-08 Spink Andrew – Innovative software for track analysis and behavior detection for wildlife from GPS together with other sensors.
PD-09 Martín López Lucia – A new insight into biomechanics and energetics: Magnetometer and/or gyroscope?
PD-10 Deruiter Stacy – Using Mahalanobis distance to summarise multi-sensor tag data.
PD-12 Zidek Jim – Characterizing uncertainty in the bio-logged paths of sea mammals.
PD-13 Boehme Lars – Integration of a miniaturized conductivity sensor into an animal-borne instrument.
PD-14 Thiebot Jean-Baptiste – Broken-stick modelling as a tool to infer change-points in migratory animal tracks.
PD-15 Dell'omo Giacomo – A smart-phone application to determine laying date and predict hatching time from eggs.
PD-16 Cleeland Jaimie – Flight and foraging behaviour: the albatross around the neck of geo-location.
PD-18 Noda Takuji – How buoyancy change is reflected to instantaneous angular velocity in diving seabirds?
PD-20 Lyon Warrick – Tracking the fine-scale real-time movements of smooth-hound sharks in a shallow water estuary.
PD-21 Dwyer Ross – Using long-term tracking data to understand social dynamics and predict human-crocodile conflict.
PD-22 Goetz Kimberly – Assessing the accuracy of animal-borne CTD tags under laboratory and in-situ conditions.

PD-23 Andrews Russel – The Whale Lander and SpicyTalk - a solution for recording high-resolution behavior from cetaceans for days to weeks with a recoverable, archival transmitting tag.
PD-24 Horning Markus – Combining opportunistic re-encounter data with known fate mortality data in vital rate telemetry: linking implanted satellite transmitters to stationary receivers.
PD-25 Photopoulou Theoni – Efficient abstracting of dive profiles using a broken-stick model.
PD-26 Focardi Stefano – Contacts in the wild: innovations in biologging and the study of interactions among animals.
PD-27 Lopez Rémy – Robust algorithms for underwater tracking of pelagic fishes.
PD-28 Dwyer Ross – Evaluating estimates of space-use determined using GPS and passive acoustic telemetry.
PD-29 De La Torre Pedro – iSAT: tracking marine life from the surface.
PD-30 Handley Jonathan – Animal-borne camera loggers: Investigation for use in gentoo penguin foraging ecology.
PD-31 Pavlov Vadim – Parametric approach to the telemetry tags design for marine animals.
PD-32 Hoenner Xavier – Improved discoverability and usability of bio-logging data collected by the Australian Integrated Marine Observing System.
PD-33 Isojunno Saana – Sperm whale response to tag boat presence: biologically informed hidden state models quantify lost feeding opportunities.
PD-34 Enstipp Manfred – The effects of radio transmitter attachment on the behaviour and energetics of captive long-tailed ducks (*Clangula hyemalis*) during winter.
PD-35 Gleiss Adrian – Unravelling the secrets of tuna locomotion.
PD-36 Alves Jose – Using weather radars to monitor continent-wide aerial patterns of animal movement.
PD-38 Vandenabeele Sylvie – Balancing under the high wire; a study into transmitter antenna effects on a waterbird species, the western grebe.
PD-40 Shorter Kenneth – Reducing impact: design features to minimize hydrodynamic forces for suction cup tags on swimming animals.
PD-42 Ranguelova Elena – Merging expert knowledge and machine learning: towards an interactive Virtual Laboratory for classifying bio-logging data.
PD-43 Weise Michael – Toward a U.S. Animal Telemetry Network for U.S. oceans, coasts, and great lakes.
PD-44 Blight Clint – Using tidal and vertical datum corrections when comparing tag dive depths to local bathymetric data (or how we stopped our seals from burrowing).
PD-45 Nowacek Douglas – The next generation of multi-sensor tags: improving attachments of non-invasive tags with bio-compatible glues and microstructure.
PD-46 Chiaradia André – Can weighbridges be used to determine breeding dates remotely?
PD-47 Lopez Rémy – Improving Argos Doppler location using multiple-model smoothing.
PD-48 Lander Michelle – Development and field testing a satellite-linked fluorometer for marine mammals.
PD-49 Miyamoto Yoshinori – Construction of advanced biologging systems for high rates of data-recovery: a challenging study to clarify the dynamics of fish populations and communities.
PD-50 Holland Kim – Use of land-based Argos receiving stations to improve data collection from satellite tagged marine animals.
PD-51 Wilson Gwendoline Ixia – The eyes have it: A new concept tag for assessing gaze direction in people.
PD-52 Bevan Richard – Conservation grazing: whither do you wander?