

Schedule of activities

November 11-16 2017 Saint-Malo, France

Saturday November 11, 2017

17:30 *Opening*

Registration

Welcome speech

Patrick Charpy, Saint-Malo Agglomération

Bruno Ernande, Ifremer

Olivier Le Pape, Agrocampus Ouest

Mark Dickey-Collas, International Council for the Exploration of the Sea (ICES)

Icebreaker reception

22:00 *Closure*

Sunday November 12, 2017

8:00 *Registration*

8:25 *Opening remarks*

Session 1: Ecology (spatio-temporal connectivity along the life cycle, essential flatfish habitats, and understanding short to long term changes)

Chair: **William Cheung** - Assistants: **Marine Randon, Matthieu Véron**

8:30	Ewan Hunter	Keynote: FINDING A PLAICE IN HISTORY: THE SENTINEL FLATFISH THAT WITNESSED A CENTURY PLUS OF ENVIRONMENTAL CHANGE	KN1
9:10	Sophie Delerue-Ricard	NO ANONYMITY FOR FLATFISH: TRACING JUVENILES OF COMMON SOLE OF THE NORTH SEA COMBINING GENOMICS, OTOLITH MICROCHEMISTRY AND OTOLITH SHAPE ANALYSIS	O01
9:30	Melissa Haltuch	INVESTIGATING CALIFORNIA CURRENT PETRALE SOLE SPAWNING DYNAMICS AND OCEANOGRAPHIC RECRUITMENT DRIVERS	O02
9:50	Alessandro Orio	CHARACTERISING AND PREDICTING THE DISTRIBUTION OF BALTIC SEA FLOUNDER DURING THE SPAWNING SEASON	O03

10:10 *Coffee Break*

Chair: **Richard Nash** - Assistants: **Marine Randon, Matthieu Véron**

10:40	Catherine Ziegler	MIGRATION DIVERSITY, SPAWNING BEHAVIOR, AND TEMPERATURE SELECTION OF WINTER FLOUNDER: IMPLICATIONS FOR RECOVERY OF A DEPLETED SPECIES	O04
11:00	Arnault Le Bris	TRACKING FLATFISHES USING ARCHIVAL TAG DATA: THE CASE STUDY OF THE GULF OF ST. LAWRENCE ATLANTIC HALIBUT, HIPPOGLOSSUS HIPPOGLOSSUS	O05
11:20	Timothy Loher	RESIDENCY AND CONNECTIVITY BETWEEN PACIFIC HALIBUT RESIDING IN COASTAL INSIDE WATERS AND ON THE OUTER CONTINENTAL SHELF: INSIGHTS FROM THE SALISH SEA AND GLACIER BAY, ALASKA	O06
11:40	Sarah Webster	SIZE AT AGE AND DIET OF PACIFIC HALIBUT IN COOK INLET, ALASKA	O07

12:00 *Lunch*

Chair: **Filip Volckaert** - Assistants: **Marine Randon, Matthieu Véron**

13:30	William Cheung	Keynote: VULNERABILITY AND RISK OF IMPACTS OF FLATFISHES TO CLIMATE CHANGE	KN2
14:10	Toshihiro Wada	DIEL AND SEASONAL MOVEMENT AND MIGRATION OF JUVENILE SPOTTED HALIBUT <i>VERASPER VARIEGATUS</i> [FAMILY PLEURONECTIDAE] RELEASED IN A SHALLOW BRACKISH LAGOON IN FUKUSHIMA, JAPAN, REVEALED BY ACOUSTIC TELEMETRY	O08
14:30	Esther Goldstein	TRANSPORT TRAJECTORIES AND CROSS-SHELF DELIVERY OF LARVAL ARROWTOOTH FLOUNDER, <i>ATHERESTHES STOMIAS</i> , TO SUITABLE NURSERY HABITATS IN THE GULF OF ALASKA	O09
14:50	Elliot Brown	BIOLOGICAL AND PHYSICAL CHARACTERISTICS OF JUVENILE HABITAT FOR PLAICE AND FLOUNDER IN THE DANISH COASTAL ZONE	O10
15:10	Richard Nash	DYNAMIC THINNING LINES, A UNIVERSAL CONCEPT ON PLAICE NURSERY GROUNDS	O11

15:30 *Coffee Break*

Chair: **Julie Nielsen** - Assistants: **Marine Randon, Matthieu Véron**

16:00	Filipe Martinho	USING OTOLITH MICROCHEMISTRY AND GROWTH CHRONOLOGIES TO UNRAVEL ESTUARINE NURSERY USE PATTERNS IN JUVENILE EUROPEAN FLOUNDER <i>PLATICHTHYS FLESUS</i>	O12
16:20	Elizabeth Fairchild	SOUTHERN GULF OF MAINE (USA) WINTER FLOUNDER, <i>PSEUDOPLEURONECTES AMERICANUS</i> , SPAWN OFFSHORE	O13
16:40	Filip Volckaert	SEASCAPE GENETICS OF A FLATFISH REVEALS LOCAL SELECTION UNDER HIGH LEVELS OF GENE FLOW	O14
17:00	Satoshi Katayama	OTOLITH MICROCHEMISTRY OF MARBLED FLOUNDER IN TOKYO BAY, JAPAN	O15
17:20	Dominique Robert	DISTRIBUTION AND HABITAT USE OF GULF OF ST. LAWRENCE ATLANTIC HALIBUT REVEALED THROUGH SATELLITE TAGGING	O16

17:40 **Publish your communication/poster in Journal of Sea Research (Henk van der Veer)**

17:45 *Presentation of the Flatfish competition*

18:15 *Closure*

Monday November 13, 2017

8:15 *Registration*

8:25 *Opening remarks*

Chair: **Ewan Hunter** - Assistants: **Emilie Le Luherne, Julien Di Pane**

8:30	Patrick Reis-Santos	COMBINING JUVENILE FLATFISH DENSITY TIME SERIES FROM SEVERAL ESTUARIES TO IDENTIFY ENVIRONMENTAL DRIVERS OF RECRUITMENT	O17
8:50	Lauri Sadorus	PACIFIC HALIBUT LARVAL DISPERSAL IN THE NORTH PACIFIC OCEAN AND BERING SEA	O18
9:10	Suzanne Poiesz	IS SUMMER GROWTH REDUCTION IN INTERTIDAL EPIBENTHIC PREDATORS RELATED TO FOOD PREFERENCE? A TEST FOR 0-GROUP FLOUNDER IN THE WESTERN DUTCH WADDEN SEA	O19
9:30	Ana Vaz	INTERANNUAL VARIABILITY IN EARLY LIFE HISTORY OF EUROPEAN FLOUNDER <i>PLATICHTHYS FLESUS</i>	O20
9:50	Nell den Heyer	SEX-BIASED MOVEMENT OF ATLANTIC HALIBUT ON THE SCOTIAN SHELF AND SOUTHERN GRAND BANKS	O21
10:10	Matt Siskey	CAN OTOLITH MICROCHEMISTRY DIFFERENTIATE WINTER FLOUNDER [PSEUDOPLEURONECTES AMERICANUS] NURSERY HABITATS AND DIVERSE MIGRATION STRATEGIES?	O22

10:30 *Coffee Break*

Session 2: Interspecies comparisons and interactions

Chair: **Tom Munroe** - Assistants: **Emilie Le Luherne, Julien Di Pane**

11:00	Mary Carla Curran	FLATFISH ASSEMBLAGES VARY OVER A TWELVE-YEAR PERIOD IN A SUBTIDAL SALT MARSH CREEK IN THE SUBTROPICAL SOUTHEASTERN USA	O23
11:20	Léo Barbut	HOW LARVAL TRAITS IMPACT CONNECTIVITY: EXAMPLE OF 6 COMMERCIAL FLATFISH SPECIES IN THE NORTH SEA	O24
11:40	Ingrid Tulp	IMPACT OF HARBOUR SEALS ON DECLINING FISH STOCKS IN AND AROUND THE WADDEN SEA	O25

12:00 *Lunch*

Chair: **Geneviève Lacroix** - Assistants: **Emilie Le Luherne, Julien Di Pane**

13:30	Thomas Hurst	TEMPERATURE-DEPENDENT JUVENILE GROWTH RATES AMONG SIX ALASKAN FLATFISH SPECIES WITH OVERLAPPING DISTRIBUTIONS	O26
13:50	Sioned Sitkiewicz	EFFECTS OF THE PARASITE ICHTHYOPHONUS (SPP.) ON PACIFIC HALIBUT (HIPPOGLOSSUS STENOLEPIS) GROWTH AND CONDITION	O27
14:10	Naomi Breine	SMALL SCALE FLATFISH NURSERY DIFFERENCES IN THE SOUTHERN BIGHT OF THE NORTH SEA	O28
14:30	Erwan Saulnier	DOES THE FOOD AVAILABILITY DETERMINE THE CARRYING CAPACITY OF FISH NURSERIES? THE FOOD LIMITATION HYPOTHESIS TESTED ON AN EASTERN CHANNEL NURSERY GROUND, WESTERN EUROPE	O29

14:50 *Coffee Break*

Chair: **Henrique Cabral** - Assistants: **Emilie Le Luherne, Julien Di Pane**

15:20	Ken Andersen	Keynote: THE TRAIT-SPACE OF FISH	KN3
16:00	Thomas Munroe	INTERFACING SYSTEMATICS AND FISHERIES BIOLOGY: A NEW ZEALAND EXAMPLE (RHOMBOSOLEIDAE: PELTORHAMPHUS NOVAEZEELANDIAE)	O30
16:20	Elzbieta Baranowska	FEEDING ECOLOGY OF GREENLAND HALIBUT IN ICELANDIC WATERS	O31

17:00 *Free time, photo challenge for the Flatfish competition*

19:00 **Poster session, with dinner (please note that Japanese authors will be present tonight only to discuss their posters, not during the second poster session on Wednesday 15)**

22:00 *Closure*

Tuesday November 14, 2017

8:25 *Opening remarks*

Session 3: Experimental ecology and evolution, biotechnology, and other research technologies, including aquaculture and other applications

Chair: **Satoshi Katayama** - Assistants: **Florence Mounier, Erwan Saulnier**

8:30	Manuel Machado	Keynote: BIOTECHNOLOGY FOR FLATFISH AQUACULTURE AND BEYOND: THE CASE OF SOLE	KN4
9:10	Takeshi Tomiyama	THERMAL RESPONSES OF JUVENILE MARBLED FLOUNDER PSEUDOPLEURONECTES YOKOHAMAE	O32
9:30	Maaïke Vercauteren	SKIN ULCERATIONS IN COMMON DAB: UNRAVELING THE AETIOLOGY	O33
9:50	Nathan Wolf	THE POST-MORTEM, PRE-DUMPSTER SAMPLING METHOD: USING POST-PROCESSED CARCASSES AS A DATA SOURCE FOR INVESTIGATIONS OF MARINE FISH SPECIES	O34
10:10	Benjamin Ciotti	CHARACTERISATION OF THE DIET AND GUT MICROBIOTA OF JUVENILE EUROPEAN PLAICE PLEURONECTES PLATESSA FROM TWO NURSERY BEACHES IN WEST SCOTLAND	O35

10:30 *Coffee Break*

Chair: **Audrey Geffen**- Assistants: **Florence Mounier, Erwan Saulnier**

11:00	Josep Planas	TRANSCRIPTOMIC RESPONSES TO TEMPERATURE-INDUCED GROWTH MANIPULATION IN JUVENILE PACIFIC HALIBUT, HIPPOGLOSSUS STENOLEPIS	O36
11:20	Léopold Ghinter	GROWTH OF JUVENILE GREENLAND HALIBUT, REINHARDTIUS HIPPOGLOSSOIDES WALBAUM, IN THE ESTUARY AND GULF OF ST-LAWRENCE	O37
11:40	Tara Dolan	ENVIRONMENTAL DRIVERS OF MORTALITY AND GROWTH IN YOUNG-OF-THE-YEAR WINTER FLOUNDER	O38
12:00	Evelien De Swaef	THE KEY ISSUE TO LARVAL HEALTH RESEARCH IN DOVER SOLE SOLEA SOLEA L.: A RELIABLE EXPERIMENTAL SET-UP AND CHALLENGE MODEL, AS EXEMPLIFIED BY ASSESSING THE PROTECTIVE POTENTIAL OF PROBIOTIC CANDIDATES	O39
12:20	Julie Nielsen	ASSESSING SURVIVAL AND ACTIVITY PATTERNS OF PACIFIC HALIBUT USING POP-UP SATELLITE ARCHIVAL TAGS WITH ACCELEROMETER SENSORS	O40
12:40	Ahmed Souissi	ANALYSIS OF PARTIAL REPRODUCTIVE ISOLATION BETWEEN SOLEA SENEGALENSIS AND SOLEA AEGYPTIACA IN THE TUNISIAN HYBRIDIZATION AREA	O41

13:00 *Lunch box*

14:00 **Departure for the Mont Saint- Michel excursion**

20:00 Back to Saint-Malo

Free time, photo challenge for the Flatfish competition

Wednesday November 15, 2017

8:25 *Opening remarks*

Chair: **Yoh Yamashita** - Assistants: **Louise Day, Léo Barbut**

8:30	Josianne Støttrup	Keynote: MARINE STOCK ENHANCEMENT: MYTH OR REALITY?	KN5
9:10	Jamie Honeycutt	ENVIRONMENTAL SEX DETERMINATION AND EFFECTS OF HABITAT ON SEX RATIOS IN WILD SOUTHERN FLOUNDER, PARALICHTHYS LETHOSTIGMA, POPULATIONS	O42
9:30	Maarten Rutting	COMPARING RNA:DNA RATIO METHODS IN A STUDY RELATING RECENT GROWTH RATES IN JUVENILE FLATFISH WITH COASTAL HABITAT CONDITIONS	O43

9:50 *Coffee Break*

Session 4: Anthropogenic pressures (multi-stressor; e.g., global change, eutrophication, and pollution) in addition to (or excluding) fisheries

Chair: **Benjamin Ciotti** - Assistants: **Louise Day, Léo Barbut**

10:20	Marjolein Post	ASSESSING THE EFFECTS OF THE SAND ENGINE ON ESSENTIAL NURSERY HABITAT CONDITIONS FOR JUVENILE PLAICE AND SOLE	O44
10:40	Peter Randall	SURVIVAL OF DISCARDED TRAWL CAUGHT SOLE SOLEA SOLEA	O45
11:00	Geneviève Lacroix	IMPACT OF WIND FARMS ON FLATFISH POPULATION IN THE NORTH SEA	O46
11:20	Didzis Ustups	TURBOT SCOPHTHALMUS MAXIMUS IN THE BALTIC SEA - WHAT COULD WE LEARN FROM THE LAST TWO DECADES?	O47
11:40	Anne E. McElroy	FACTORS AFFECTING THE HEALTH AND FITNESS OF JUVENILE WINTER FLOUNDER: ASSOCIATIONS AMONG DATA FROM THE CELLULAR TO POPULATION LEVEL	O48

12:00 *Lunch*

Chair: **Anne McElroy** - Assistants: **Louise Day, Léo Barbut**

13:30	Xavier Cousin	Keynote: DOES BEING FLAT MATTER WHEN FACING POLLUTANTS?	KN6
14:10	Dara Wilber	FLATFISH ASSEMBLAGES AND CONSTRUCTION OF THE FIRST OFFSHORE WIND FARM IN THE UNITED STATES	O49
14:30	Lotte Meeuwissen	THE POTENTIAL OF SHOREFACE NOURISHMENTS FOR HABITAT ENHANCEMENT: A CASE OF THE SAND ENGINE LAGOON AS A NURSERY FOR JUVENILE PLAICE PLEURONECTES PLATESSA L.	O50
14:50	Hans Polet	CAN PULSE TRAWLING REDUCE THE MECHANICAL IMPACT ON THE BENTHIC ECOSYSTEM IN THE BOTTOM TRAWL FISHERY FOR SOLE?	O51

15:10 *Break*

Chair: **Janet Duffy-Anderson** - Assistants: **Louise Day, Léo Barbut**

15:40	Elodie Borcier	INTEGRATIVE APPROACH TO DETECT THE VULNERABILITY OF EUROPEAN FLOUNDER POPULATIONS IN STRESSED ENVIRONMENTS: STRESS ECOLOGY, ECOTOXICOLOGY AND GENETIC TOOLS	O52
16:00	Florence Mounier	COUPLING FIELD, EXPERIMENTAL AND BIOENERGETIC MODELLING APPROACHES TO BETTER UNDERSTAND BIOACCUMULATION PROCESSES OF PERSISTANT ORGANIC POLLUTANTS IN SOLEA SOLEA JUVENILES AND LATER TRANSFER TO EGGS IN ADULTS: THE GIRONDE ESTUARY CASE STUDY	O53
16:20	Craig Rose	PRELIMINARY ASSESSMENT OF THE USE OF SATELLITE-REPORTING ACCELEROMETER TAGS TO MONITOR THE SURVIVAL OF TRAWLER DECK-RELEASED PACIFIC HALIBUT	O54

17:00 **Workshop: The Scientists-Stakeholders dialogue for Flatfish fisheries management, international contrasts**

Chair: **Olivier Le Pape**- Assistants: **Emilie Le Luherne, Erwan Saulnier**

17:00 - 17:30:	Situation in France: the scientists point of view, Marie Savina (Ifremer)	W01
17:15 - 18:05:	Situation in France: the fishermen point of view, France Filière Pêche, a supporting structure, Pierre Leenhardt & Morgane Ramonet (FFP)	
	The SURSOLE project, Aurélien Henneveux & David Milly (Pêcheurs d'Aquitaine)	W02
	The SMAC project (Manon Joguet, From Nord)	W03
	The general perception of fishermen on the scientists-stakeholders dialogue related to fisheries management (CNPMEM)	W04
18:05 - 18:40:	Point of view of scientists from abroad : contrasts between the French situation and the one in their own country and structure - Mark Dickey-Collas (ICES, DK), Janet Duffy-Anderson (NOAA, USA), Tim Loher (IPHC, USA), Richard Nash (IMR, NO), Jan Jaap Poos (WMR, NL), Henrique Cabral (MARE, PT), Josianne Støttrup (DTU, DK)	
18:40 - 19:15:	General discussion: Can France learn from other countries?	

19:30 **Poster Session (with dinner) & Flatfish competition**

22:00 *Closure*

Thursday November 16, 2017

8:25 *Opening remarks*

Chair: **Elisabeth Fairchild** - Assistants: **Michele Pernak, Elliott Brown**

8:30	Bruno Ernande	Keynote: EFFECTS OF GLOBAL CHANGE ON EXPLOITED STOCKS' LIFE-HISTORY TRAITS: EXPLOITATION VS. ENVIRONMENT AND EVOLUTION VS. PHENOTYPIC PLASTICITY	KN7
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9:10	Jacqueline Eggleton	HOW BENTHIC HABITATS AND BOTTOM TRAWLING AFFECT TRAIT COMPOSITION IN THE DIET OF EUROPEAN PLAICE, PLEURONECTES PLATESSA, IN THE NORTH SEA	O55
9:30	Emilie Le Luherne	IMPACTS OF GREEN TIDES ON FLATFISH COMMUNITIES AND INDIVIDUAL PERFORMANCES	O56

9:50 *Coffee Break*

Session 5: From local- to global-scale issues in research and ecosystem-based management

Chair: **Jan-Jaap Poos** - Assistants: **Michele Pernak, Elliott Brown**

10:20	Michael Frisk	PROSPECTS FOR RECOVERY OF WINTER FLOUNDER, PSEUDOPLEURONECTES AMERICANUS: LESSONS FROM MIGRATORY DIVERSITY, STOCK STRUCTURE AND MANAGEMENT	O57
10:40	Adriaan Rijnsdorp	THE EVOLUTION OF BOTTOM TRAWLING IMPACT ON NORTH SEA FLATFISH POPULATIONS	O58
11:00	Nancy L. Shackell	LIFE HISTORY TRAIT VARIATION IN NORTHWEST ATLANTIC HALIBUT [HIPPOGLOSSUS HIPPOGLOSSUS] MAY BE INCONSISTENT WITH THE CURRENTLY DEFINED STOCK DOMAIN	O59
11:20	Jonathan Fisher	DYNAMICS AND IMPLICATIONS OF CANADA'S INCREASING RELIANCE ON EMERGING, EXPANDING AND ESTABLISHED FLATFISH FISHERIES	O60
11:40	Kevin Hedges	I WONDER WHERE THAT FISH HAS GONE; APPLICATION OF ACOUSTIC TELEMETRY TO GREENLAND HALIBUT, REINHARDTIUS HIPPOGLOSSOIDES, FISHERY MANAGEMENT	O61

12:00 *Lunch*

Chair: **Tim Loher** - Assistants: **Michele Pernak, Elliott Brown**

13:30	Mark Dickey-Collas	Keynote: ECOSYSTEM BASED MANAGEMENT: WHY TRY TO HERD CATS?	KN8
14:10	Gudjon Sigurdsson	DO AREA CLOSURES INCREASE CATCH OF FLATFISH IN ADJACENT AREAS?	O62
14:30	Kiyomi French	HOW DOES HABITAT CONTRIBUTE TO ATLANTIC HALIBUT [HIPPOGLOSSUS HIPPOGLOSSUS] PRODUCTION AND WHAT IS THE ROLE OF CLOSED AREAS?	O63
14:50	Devin Flawd	TEMPORALLY DYNAMIC SPATIAL DISTRIBUTIONS OF AMERICAN PLAICE [HIPPOGLOSSOIDES PLATESSOIDES] AND YELLOWTAIL FLOUNDER [LIMANDA FERRUGINEA] ON THE GRAND BANKS, NEWFOUNDLAND	O64
15:10	Brooke Wright	EVALUATION OF A REAL-TIME COMMUNICATION SYSTEM FOR BYCATCH AVOIDANCE IN THE US SEA SCALLOP FISHERY	O65
15:30	Jan-Jaap Poos	PULSE FISHING IS MORE EFFICIENT FOR SOME SPECIES, BUT NOT FOR OTHERS, COMPARED TO TRADITIONAL BEAM TRAWLING	O66
15:50	Cecilia O'Leary	UNDERSTANDING HISTORICAL SUMMER FLOUNDER ABUNDANCE PATTERNS THROUGH INCORPORATION OF OCEANOGRAPHIC DEPENDENT VITAL RATES IN BAYESIAN STATE-SPACE MODELS	O67

16:10 *Coffee Break*

16:40 Concluding session (Local organizers & Janet Duffy-Anderson, chair of the steering committee)
 What did we learn this week?
 Awards & thanks
 What about the future?

17:15 *Closure*

20:00 *Banquet**

* paid for separately by individual registrants, located outside the symposium location, in La Demeure du Corsaire, Hotel Magon, 5 Rue d'Asfeld, Saint-Malo Intramuros (Historic Center)

Poster sessions

Coffee breaks and 2 special sessions on Monday 19:00-22:00 and Wednesday 19:15-22:00

Session 1: Ecology (spatio-temporal connectivity along the life cycle, essential flatfish habitats, and understanding short to long term changes)

Matthieu Véron	INTEGRATING MARK-RECAPTURE DATA WITHIN A BAYESIAN LIFE-CYCLE MODEL TO EVALUATE THE SPATIAL STRUCTURE OF A POPULATION AND ITS CONSEQUENCES ON POPULATION DYNAMICS : APPLICATION TO THE SOLE POPULATION IN THE EASTERN ENGLISH CHANNEL	P01
Masakazu Hori	DETECTING MIGRATION ROUTES OF COASTAL FLATFISH JUVENILES USING A STABLE ISOTOPE ANALYSIS IN TOKYO BAY, JAPAN	P02
Hideaki Nishizawa	SPAWNING AND POST-SPAWNING MOVEMENT AND BEHAVIOR OF MARBLED FLOUNDER PSEUDOPLEURONECTES YOKOHAMAE IN TOKYO BAY, JAPAN	P03
Michèle Pernak	WINTER DISTRIBUTION OF PLAICE [PLEURONECTES PLATESSA] AND LEMON SOLE [MICROSTOMUS KITT] LARVAE IN THE ENGLISH CHANNEL AND NORTH SEA INFERRED FROM THE 2016 IBTS-MIK SAMPLING	P04
Hikomichi Mitamura	MOVEMENTS OF THE MARBLED FLOUNDER IN RELATION TO WATER TEMPERATURE AND DISSOLVED OXYGEN IN TOKYO BAY MONITORED BY ACOUSTIC TELEMETRY	P05
Masayuki Yamamoto	COLLECTION RECORD OF MARBLED FLOUNDER EGGS ATTACHED TO THE SIPHON AND SHELL OF LARGE BIVALVES FROM BISAN-SETO, CENTRAL SETO INLAND SEA, JAPAN	P06
Masaaki Sato	POPULATION STRUCTURE AND GENE FLOW OF MARBLED FLOUNDER PSEUDOPLEURONECTES YOKOHAMAE AROUND TOKYO BAY, CENTRAL JAPAN	P07
Audrey Geffen	AGE, GROWTH AND DRIFT OF OVER-WINTERING LEMON SOLE, MICROSTOMUS KITT, LARVAE IN THE NORTHERN NORTH SEA IN 2016 and 2017	P08
Yoh Yamashita	APPLICATION OF OTOLITH OXYGEN STABLE ISOTOPE RATIOS FOR IDENTIFICATION OF TWO JAPANESE FLOUNDER, PARALICHTHYS OLIVACEUS, POPULATIONS WHICH USE TANGO BAY AS A NURSERY GROUND	P09
Marine Randon	SPATIAL AND TEMPORAL VARIABILITY OF GROWTH WITHIN THE EASTERN CHANNEL STOCK OF COMMON SOLE - A FIRST STEP TOWARDS A BETTER UNDERSTANDING OF STOCK STRUCTURATION	P10
Takuji Noda	SPAWNING MIGRATION AND VERTICAL MOVEMENT OF SPOTTED HALIBUT VERASPER VARIEGATUS, FAMILY PLEURONECTIDAE, IN THE WATERS OFF FUKUSHIMA, NORTHEASTERN JAPAN, REVEALED BY DEPTH TEMPERATURE DATA LOGGERS	P11

Session 2: Interspecies comparisons and interactions

Hervé Le Bris	RESOURCES PARTITIONING AMONG BENTHO-DEMERSAL JUVENILE SPECIES: A TWO 24H CYCLE IN SITU TROPHIC MONITORING	P12
Richard Nash	DISTRIBUTION OF LEMON SOLE, MICROSTOMUS KITT, PRE-RECRUITS IN THE NORTH SEA	P13
Tony Miskiewicz	DESCRIPTIONS OF LARVAL DEVELOPMENT OF REPRESENTATIVES OF THREE FAMILIES OF FLATFISH F. BOTHIDAE, F. PARALICHTHYIDAE AND F. CYNOGLOSSIDAE FROM SOUTH-EAST AUSTRALIAN WATERS	P14
Sergey Rusyaev	NEW VIEW ON STATISTICS OF PLAICE FISHERY OF THE BARENTS SEA DURING 1927-1953	P15
Cynthia Yeung	LATITUDINAL DIFFERENCE IN THE QUALITY OF JUVENILE FLATFISH HABITATS IN THE SOUTHEASTERN BERING SEA	P16
Julien Di Pane	SPRING DISTRIBUTION OF FLATFISH LARVAE ALONG FRENCH COAST OF THE EASTERN ENGLISH CHANNEL	P17

Session 3: Experimental ecology and evolution, biotechnology, and other research technologies, including aquaculture and other applications

Anita Kroska	EXPLORING STRESS HORMONES AS A QUANTITATIVE ASSESSMENT FOR POST RELEASE SURVIVAL	P18
Evelien De Swaef	ELECTRON MICROSCOPIC CHARACTERIZATION OF FERTILISED DOVER SOLE SOLEA SOLEA EGGS DURING EMBRYONIC DEVELOPMENT	P19
Carlos Carballo	THERMAL REGIMES DURING EMBRYONIC DEVELOPMENT AND LARVAL REARING DIFFERENTIALLY MODIFY SEX RATIOS AND GROWTH PERFORMANCE IN SOLEA SENEGALENSIS	P20
Carlos Carballo	CHARACTERIZATION OF HATCHING ENZYMES IN SOLE, S. SENEGALENSIS, BY USING GENOMIC APPROACHES TO BE USED AS A NEW BIOTECHNOLOGICAL PRODUCT	P21
Ana LÍgia Primo	MYTAG - INTEGRATING NATURAL AND ARTIFICIAL TAGS TO RECONSTRUCT FISH MIGRATIONS AND ONTOGENETIC NICHE SHIFTS	P22
Jun Shoji	DOES SUBMARINE GROUNDWATER DISCHARGE AFFECT GROWTH OF JUVENILE FLATFISH? A CAGE EXPERIMENT IN THE SETO INLAND SEA, JAPAN	P23
Patricia Pinto	UNDERSTANDING SOLEA SENEGALENSIS PSEUDO-ALBINISM: MICROBIOMICS AND TRANSCRIPTOMICS INSIGHTS	P24

Session 4: Anthropogenic pressures (multi-stressor; e.g., global change, eutrophication, and pollution) in addition to (or excluding) fisheries

Mitsuhiro Ishii	HOW DOES MARBLED FLOUNDER PSEUDOPLEURONECTES YOKOHAMAE RELATE TO TOKYO BAY SURROUNDED BY THE METROPOLITAN AREAS	P25
Thomas Hurst	BEHAVIORAL RESPONSES OF SPECKLED SANDDAB TO POTENTIAL PREDATION CUES AND THE EFFECT OF OCEAN ACIDIFICATION ON THE RESPONSE TO DAMAGED SKIN CUES	P26
Thomas Hervé	COMBINING HEALTH STATUS ASSESSMENT AND CAPTIVITY MONITORING TO ESTIMATE SURVIVAL RATES OF COMMON SOLE SOLEA SOLEA DISCARDED BY FRENCH BOTTOM TRAWLERS IN THE BAY OF BISCAY	P27
Shingo Watari	ANALYSIS OF DEPLETION FACTORS OF THE MARBLED FLOUNDER, PSEUDOPLEURONECTES YOKOHAMAE, IN OSAKA BAY, JAPAN	P28
Aliza Ray	DOES OCEAN ACIDIFICATION IMPACT WINTER FLOUNDER PSEUDOPLEURONECTES AMERICANUS OTOLITHS?	P29

Session 5: From local- to global-scale issues in research and ecosystem-based management

Marie Savina	SCIENCE - INDUSTRY COLLABORATION ON THE EASTERN ENGLISH CHANNEL COMMON SOLE STOCK	P30
Erwan Saulnier	EMPIRICAL-MODEL-BASED ESTIMATES OF MACROBENTHIC PRODUCTION: DOES THE SAMPLING PERIOD MATTERS?	P31
Brian Ritchie	SPATIOTEMPORAL ASSESSMENT OF PACIFIC HALIBUT	P32
Filip Volckaert	COMPARATIVE SEASCAPE GENETICS AS A TOOL TO CONSOLIDATE MARINE RESOURCE MANAGEMENT	P33