

## ASFB 2018 PROGRAM

### SUNDAY 7<sup>TH</sup> OCTOBER 2018

#### Registration Opens

4:00PM - 8:00PM

Skyline Lounge

#### Welcome Mixer

6:00PM - 8:00PM

Pool Deck

### MONDAY 8<sup>TH</sup> OCTOBER 2018

#### Registration Opens

8:00AM - 5:00PM

Skyline Lounge

#### Welcome & Plenary

9:00AM - 10:30AM

Skyline Room

#### 9:30 AM Eva Plaganyi

Integrating socio-economic dimensions into ecological research and management frameworks *abs# 1*

#### Morning Tea

10:30AM - 11:00AM

Skyline Lounge

#### Fisheries Management

11:00AM - 12:30PM

Realm Room

#### 11:00 AM Rebecca Oliver

Managing quota in a multi-species, multi-gear fishery in Shark Bay WA *abs# 2*

#### 11:30 AM George Day

Responding to changing demands in fisheries management, refocussing monitoring and assessment *abs# 3*

#### 11:45 AM Marcus Lincoln Smith

Fish, fisheries and environmental assessment and management *abs# 4*

#### 12:00 PM Richard Little

Healthcheck for Australian Fisheries Sustainability *abs# 5*

#### 12:15 PM Nicholas Hill

Performance of Australian fisheries relative to target objectives *abs# 6*

Session Sponsored by



#### Adaptive Management

11:00AM - 12:30PM

Panorama Room

#### 11:00 AM Jarod Lyon

Applied science in the era of 'fake news': are we moving forward or backward? *abs# 7*

#### 11:30 AM Craig Boys

Influence of river flows on small-scale movements of Golden perch and Murray cod in the Namoi River: implications for water sharing planning. *abs# 8*

#### 11:45 AM Kylee Carpenter

"Does anyone here speak water-ish?" – How the benefits of environmental flows get lost in translation. *abs# 9*

#### 12:00 PM Heleena Bamford

Friends with benefits when fish science met environmental water management *abs# 10*

#### 12:15 PM Charles Todd

Meta-population model to inform the management of a once widespread flow dependent freshwater fish. *abs# 11*

## Behavioural Responses

11:00AM - 12:30PM

Vista Room

### 11:00 AM Rhys Coleman

Recovery of threatened dwarf galaxias along Dandenong Creek, Melbourne *abs# 12*

### 11:15 AM Robin Hale

Using behavioural information to inform conservation of the threatened dwarf galaxias *abs# 13*

### 11:30 AM Christine Ulrich

Distinct behavioural responses of selected closely related New Zealand native galaxiids to progressive escapable hypoxia *abs# 14*

### 11:45 AM Bronwyn M Gillanders

The effects of hypoxia on Australian freshwater fish species *abs# 15*

### 12:00 PM Molly E Scott

Effects of temperature on habitat use and home range patterns of coral trout *Plectropomus leopardus* on the Great Barrier Reef Australia *abs# 16*

### 12:15 PM Kai Paijmans

Mixed-species Shoaling as a Behavioural Mechanism Facilitating the Survival of Tropical Fishes in Temperate Regions *abs# 17*

## Life History and Evolution

11:00AM - 12:30PM

Horizon Room

### 11:00 AM Katherine Harrison

Understanding the effects of river flows on population connectivity and genetic viability of Australian freshwater fish species *abs# 18*

### 11:30 AM Thomas A Schmitt

Live fast, die young? Mixed effects modelling reveals limited support for a pace-of-life syndrome in trout *abs# 19*

### 11:45 AM Giovanni Polverino

Ecology matters: pace-of-life syndrome differs between two populations of eastern mosquitofish with divergent life history *abs# 20*

### 12:00 PM Rohan Brooker

Niche construction by a farming fish & the natural selection of domestication *abs# 21*

### 12:15 PM David Moreno

Life-history, ecology and demographics of the spiny dogfish (*Squalus acanthias*) in an environmentally impacted estuarine environment *abs# 22*

## Lunch

12:30PM - 1:30PM

Skyline Lounge

## Fisheries Management

1:30PM - 3:00PM

Realm Room

### 1:30 PM Jon Presser

Reforming the South Australian Marine Scalefish Fishery *abs# 23*

### 1:45 PM Richard Little

Best practice guidelines for Australian fisheries management agencies *abs# 24*

### 2:00 PM April E Hall

The role of partially protected areas as a conservation and management tool *abs# 25*

### 2:15 PM Jemery Day

Evaluating fishery management strategies with the inclusion of a marine closure. *abs# 26*

### 2:30 PM Shane Walters

Adapting to challenges in a Western Australian abalone fishery *abs# 27*

### 2:45 PM Sascha Brand-Gardner

MSC certification as a driver for collaboration between science, management and industry – the WA experience. *abs# 28*

### Adaptive Management

1:30PM - 2:45PM

Panorama Room

#### 1:30 PM Jian Yen

Integrating diverse data types to improve predictions of size-structured population dynamics *abs# 29*

#### 1:45 PM Gabriel Cornell

Do fish respond to enhanced in-stream detritus? Using ecology to inform restoration *abs# 30*

#### 2:00 PM Katherine Cheshire

Fish and Flows: Developing objectives and targets for freshwater fish in NSW Long Term Water Plans *abs# 31*

#### 2:15 PM Stephen Balcombe

Looking for larvae in a stressed river system – is adding water enough? *abs# 32*

#### 2:30 PM Scott Raymond

Modelling the impacts of reservoir expansion on a threatened riverine fish *abs# 33*

### Behavioural Responses

1:30PM - 3:00PM

Vista Room

#### 1:30 PM Jason Thiem

Abiotic drivers of Murray cod activity rates *abs# 34*

#### 1:45 PM Adrian Gleiss

Time-energy budgets derived from animal-borne instruments clarify the responses of fish to changing temperatures *abs# 35*

#### 2:00 PM Karissa Lear

Accelerometers forecast behavioural response to climate change in critically endangered sawfish *abs# 36*

#### 2:15 PM Taryn Laubenstein

Effects of ocean acidification and warming on behavioral and metabolic traits of a large pelagic fish *abs# 37*

#### 2:30 PM Michael Bertram

A growth-promoting agricultural pollutant alters ecologically important behaviours in fish *abs# 38*

#### 2:45 PM Bob Wong

A psychiatric pollutant compromises antipredator behaviour in fish. *abs# 39*

### Life History and Evolution

1:30PM - 3:00PM

Horizon Room

#### 1:30 PM Stephen Swearer

Local larval retention and dispersal results in distinct environmental histories in a temperate reef fish *abs# 40*

#### 1:45 PM Camilla Piggott

Recruitment and habitat use of juvenile fish in the challenging macrotidal environment of the kimberley *abs# 41*

#### 2:00 PM Oliver R.B. Thomas

Evaluating the contributions of black bream (*Acanthopagrus butcheri*) spawning tributaries to year class strength in the Gippsland Lakes using otolith trace element fingerprinting *abs# 42*

#### 2:15 PM Troy A Rogers

Within-season changes in otolith microstructure and chemistry expose the complex early life history of a temperate marine finfish *abs# 43*

#### 2:30 PM Sarah Hearne

A new method for non-destructive high-resolution oxygen isotope analysis of otoliths *abs# 44*

#### 2:45 PM Jeffrey Leis

Is critical speed the best measure of swimming capabilities for fish larvae? *abs# 45*

### Afternoon Tea

3:00PM - 3:30PM

Skyline Lounge

### Fisheries Management

3:30PM - 5:00PM

Realm Room

**3:30 PM Claudio Castillo-Jordán**

Fisheries integration across the Pacific: Australia and Chile. *abs# 46*

**3:45 PM Jo Klemke**

Socially responsible stingray fishing rules - working with all stakeholders to achieve a balanced solution *abs# 47*

**4:00 PM Kim Hunnam**

Enhancing the human nutrition and livelihood benefits from a small-scale, small-pelagic fishery *abs# 48*

**4:15 PM Blake Taylor**

Keeping pace with market shocks *abs# 49*

**4:30 PM Shane Holland**

Integrating customary rights into fisheries management *abs# 50*

### Adaptive Management

3:30PM – 5:00PM

Panorama Room

**3:30 PM David Ikedife**

Understanding the feasibility of using artificial habitats to protect galaxiid populations in yingina / Great Lake *abs# 51*

**3:45 PM Lauren Johnson**

Continuing the recovery of barred galaxias - learning by doing *abs# 52*

**4:00 PM Wayne Koster**

Immigration of silver perch into tributary streams of the Murray River and the influence of streamflow *abs# 53*

**4:15 PM Brendan Ebner**

An application of flagship species and broad scale aquatic biodiversity indicators for potential water resource developments in northern Australia *abs# 54*

**4:30 PM Peter Rose**

Screening the Cohuna Channel diversion to keep native fish in Gunbower Creek *abs# 55*

**4:45 PM Tim Marsden**

Fish Passage in streams of the Gulf of Carpentaria, unique life histories driven by highly variable flow regimes *abs# 56*

### Behavioural Responses

3:30PM - 5:00PM

Vista Room

**3:30 PM Penelope Carbia**

Environmental change in early ontogeny influences cognitive ability in intertidal gobies *abs# 57*

**3:45 PM Cassandra Thompson**

Long-term changes in sociality of butterflyfishes linked to population declines and coral loss *abs# 58*

**4:00 PM Emily Lester**

Halos of fear: the impact of predation threat on feeding behaviour of mesopredatory fishes around patch reefs *abs# 59*

**4:15 PM Louise Tosetto**

Seeing Red: The role of long wavelength sensitive cones in the visual ecology of bluestriped goatfish *abs# 60*

**4:30 PM Karl Moy**

Fatal Attraction: Factors influencing mate preference in the Running River Rainbowfish *abs# 61*

**4:45 PM Christopher Hemingson**

Quantification of colour patterns reveals rapid differentiation and conflicting geographic range effects on reef fish colouration *abs# 62*

### Biology, Ecology and Evolution

3:30PM - 5:00PM

Horizon Room

#### 3:30 PM Hyuck Joon Kwun

Seasonal dynamics of tidal pool fish community in the Seongsan of Jeju Island, Korea *abs# 63*

#### 3:45 PM Jeffrey Kwik

Distribution, ecology and potential establishment of the non-native ocellate river stingray *Potamotrygon motoro* (*Potamotrygonidae*) *abs# 64*

#### 4:00 PM Casper Avenant

Dietary comparison of the tropical herbivore *Siganus fuscescens* and a range of temperate seagrass-associated omnivorous fishes *abs# 65*

#### 4:15 PM Robert Streit

Exploring spatial heterogeneity of algal removal by herbivorous fishes on coral reefs *abs# 66*

#### 4:30 PM Eva McClure

The ecology of important subsistence fishery species under varying environmental conditions *abs# 67*

#### 4:45 PM Zoe Loffler

Damage-resilient *Sargassum* holdfasts are not targeted by herbivorous fishes' *abs# 68*

### Alien Species Committee meeting

5:10PM - 6:00PM

Panorama Room

### Student Night

6:00PM - 8:00PM

Panorama Dining Room

## TUESDAY 9<sup>TH</sup> OCTOBER 2018

### Registration Opens

8:00AM - 5:00PM

Skyline Lounge

### Plenary

9:00AM - 10:00AM

Skyline Room

#### 9:00 AM Stephanie Carlson

Applying evolutionary principles in management and conservation for improved outcomes *abs# 69*

### ECR Excellence Award

10:00AM - 10:30AM

Skyline Room

#### 10:00 AM Jennifer Donelson

Plasticity of marine fish to ocean warming *abs# 70*

### Morning Tea

10:30AM - 11:00AM Skyline Lounge

### Fisheries Management

11:00AM - 12:30PM

Realm Room

#### 11:00 AM Joanne Wortmann

Informing inter-jurisdictional snapper management in eastern Australia *abs# 71*

#### 11:30 AM Gary Jackson

Risk-based selection of indicator species for the assessment of multi-species fishery resources in Western Australia *abs# 72*

#### 11:45 AM Malcolm Haddon

Are simple and cheap stock assessments all that is required? *abs# 73*

#### 12:00 PM Paul Burch

Age and length data for integrated assessments – how much is enough? *abs# 74*

**12:15 PM Henry Wootton**

Novel methods to assess long-term trends in size and age at maturity in fish: a story of harvest and warming *abs# 75*

**Climate Change**

11:00AM - 12:30PM

Panorama Room

**11:00 AM Gretta Pecl**

Climate-driven species redistribution in marine systems *abs# 76*

**11:30 AM John Koehn**

Climate change, fish and fisheries revisited: 2010-2018. *abs# 77*

**11:45 AM Ian Butler**

Climate-proofing fisheries management *abs# 78*

**12:00 PM Rob Freeman**

Squeezed out! The impacts of climate change and invasive fish on a threatened galaxiid - north east Tasmania, observations from long term monitoring. *abs# 79*

**12:15 PM Curtis Champion**

Past and future shifts in distribution and temporal persistence of kingfish (*Seriola lalandi*) oceanographic habitat in southeast Australia *abs# 80*

**Recreational Fisheries**

11:00AM - 12:30PM

Vista Room

**11:00 AM Travis Dowling**

Target 1 Million Getting More Victorians Fishing *abs# 81*

**11:30 AM Lauren Veale**

Citizen science provides insight into Mulloway life history *abs# 82*

**11:45 AM Simon Conron**

Informing sustainable management of Victoria's wild catch recreational fisheries. *abs# 83*

**12:00 PM Michael Gilby**

Victorian aboriginal fishing strategy actions and implementation *abs# 84*

**12:15 PM Gary Jackson**

The use and influence of recreational fisheries data: importance of cohesion to confront uncertainty *abs# 85*

**Movement, Migration and Connectivity**

11:00AM - 12:30PM

Horizon Room

**11:00 AM Krystle Keller**

Diel habitat use and movements of sooty grunter, *Hephaestus fuliginosus*, in a tropical Australian river, using radio and acoustic telemetry *abs# 86*

**11:30 AM Gregory Jenkins**

Movement and site fidelity of juvenile King George Whiting, *Sillaginodes punctatus*, in Victoria *abs# 87*

**11:45 AM Tom Barnes**

The movement of mulloway (*Argyrosomus japonicus*) around the Great Australian Bight Marine Park inferred from satellite telemetry *abs# 88*

**12:00 PM Marianne Nyegaard**

Are coral reefs important to epipelagic sunfish? *abs# 89*

**12:15 PM Luke Carpenter-Bundhoo**

Quantifying fine scale movement of translocated freshwater catfish (*Tandanus tandanus*) in an inland river with acoustic telemetry *abs# 90*

**Lunch**

12:30PM - 1:30PM

Skyline Lounge

### Fisheries Management

1:30PM - 3:00PM

Realm Room

#### 1:30 PM Kevin Rowling

Effective management of fisheries using individual transferable catch quotas (ITQs) - time for a rethink *abs# 91*

#### 1:45 PM Nastaran Mazloumi

Assessment of non-recovery and under-caught TAC species within the adaptive management framework *abs# 92*

#### 2:00 PM Kate Simpson

Managing recovery of abalone stocks from a catastrophic environmental event *abs# 93*

#### 2:15 PM Katherine Heldt

Value for money - optimising survey design in a budget constrained fishery research program *abs# 94*

#### 2:30 PM Ash M Fowler

Prioritising species for fisheries research: a decision analysis approach for diverse fisheries of low financial value *abs# 95*

#### 2:45 PM Stephen Mayfield

Determining stock status in a complex, benthic-invertebrate fishery: Accounting for the impact of spatial, temporal and fleet dynamics *abs# 96*

### Climate Change

1:30PM - 3:00PM

Panorama Room

#### 1:30 PM Morgan S Pratchett

Climate induced coral bleaching and consequences for coral reef habitats and fish assemblages *abs# 97*

#### 2:00 PM Sinead O'Dwyer

Exploring the direct and indirect effects of warming on fish growth *abs# 98*

#### 2:15 PM Julia Brueggeman

Exploring the impacts of a climate change double-header: do rising temperatures impact hypoxia tolerance in estuarine fish? *abs# 99*

#### 2:30 PM David DJ Booth

Tropical fish incursions in temperate Australia: do patterns reveal a climate-change signal? *abs# 100*

#### 2:45 PM Rachel Spinks

Baby fish in hot water – what are the long-term effects on performance? *abs# 101*

### Recreational Fisheries

1:30PM - 2:30PM

Vista Room

#### 1:30 PM Taylor Hunt

GoFishVic – The new Victorian Angler Diary App for recreational fishery monitoring and engagement *abs# 102*

#### 1:45 PM Cameron Desfosses

Recreational survey design to assess biological characteristics in recreational fisheries *abs# 103*

#### 2:00 PM Toby Jeavons

Victorian recreational rock lobster tagging program *abs# 104*

#### 2:15 PM Jeremy Lyle

Rebuilding rock lobster stocks on the east coast of Tasmania: challenges of managing recreational and commercial sectors *abs# 105*

### Movement, Migration and Connectivity

1:30PM - 3:00PM

Horizon Room

#### 1:30 PM Malcolm Francis

Mako shark movements and habitat use in the southwest Pacific Ocean *abs# 106*

#### 1:45 PM John Stewart

Latitudinal variation in the growth and movement patterns of east-coast Snapper (*Chrysophrys auratus*). *abs# 107*

**2:00 PM Hayden Schilling**

Insights into the juvenile dispersal of east Australian tailor using a particle tracking model *abs# 108*

**2:15 PM Chris Bice**

Migration ecology of pouched lamprey, *Geotria australis*, in the River Murray, Australia *abs# 109*

**2:30 PM Jed I Macdonald**

Can collective memories shape herring distributions? A test, linking space-time models and population demographics *abs# 110*

**2:45 PM Brien H Roberts**

Migration to freshwater increases fitness in a partially diadromous fish *abs# 111*

**2:30 PM Anthony Forster**

Freshwater Fisheries Management in Victoria – the last decade *abs#197*

**Afternoon Tea**

3:00PM - 3:30PM

Skyline Lounge

**Fisheries Management**

3:30PM - 5:00PM

Realm Room

**3:30 PM Joseph DiBattista**

The development of eDNA metabarcoding to assess fish biodiversity in coastal ecosystems and integrating these data into marine monitoring programs *abs# 112*

**3:45 PM Mahdi Parsa**

A mean rate estimation method for Poisson Count Data with Heterogeneous Exposure: Application to bycatch risk assessment *abs# 113*

**4:00 PM Fletcher Warren-Myers**

Enriched stable isotope marking of hatchery trout via immersion: A method to monitor restocking success. *abs# 114*

**4:15 PM Timothy Emery**

Measuring congruence between electronic monitoring and logbook data in three Australian Commonwealth longline and gillnet fisheries *abs# 115*

**4:30 PM Rocio Noriega**

Changes in logbook reporting following the implementation of electronic monitoring technologies in Australian Commonwealth fisheries *abs# 116*

**4:45 PM Helen O'Neill**

fishIDER – A bilingual, web-based fish identification tool for market fish in Indonesia *abs# 117*

**Alien Fishes**

3:30PM - 5:00PM

Panorama Room

**3:30 PM Tarmo Raadik**

The wet bits: locating potential freshwater fish refuges in small, unregulated Victorian streams *abs# 118*

**3:45 PM Cindy Palermo**

*Schyzocotyle acheilognathi* (Asian fish tapeworm) found in goldfish (*Carassius auratus*) and carp (*Cyprinus carpio*) in Western Australia *abs# 119*

**4:00 PM Bonnie Holmes**

Tilapia: To eat or not to eat? Policy vs public perspectives in invasive species management *abs# 120*

**4:15 PM Mariah Millington**

The grey list of noxious fish: time for an update? *abs# 121*

**4:30 PM Jason Lieschke**

Where do carp go in the Gunbower Forest during a flood? *abs# 122*

**4:45 PM Sam Perrin**

The effectiveness of stream gradient as a natural ecosystem defender *abs# 123*



### Recreational Fisheries

3:30PM - 4:45PM

Vista Room

#### 3:30 PM Corey Green

Increasing knowledge of Victoria's growing recreational yellowtail kingfish fishery *abs# 124*

#### 3:45 PM Joshua Barrow

Carryover effects of early life growth on the survival of impoundment stocked fish. *abs# 125*

#### 4:00 PM Nathan Miles

Initial impacts of a harvest slot on Murray cod size structure and angler harvest in NSW *abs# 126*

#### 4:15 PM John Douglas

Trout drought: a transformational engagement strategy case study *abs# 127*

#### 4:30 PM Rob Freeman

When old is new again. The use adult brown trout collected from spawning runs to supplement lake-based fisheries. *abs# 128*

### Movement, Migration and Connectivity

3:30PM - 5:00PM

Horizon Room

#### 3:30 PM James O'Dwyer

Larval dispersal as a driver of population connectivity and genetic diversity in Victorian common galaxias *Galaxias maculatus abs# 129*

#### 3:45 PM Nicholas Ling

Intercontinental population genomics of a Gondwanan galaxiid *abs# 130*

#### 4:00 PM Daniel Swadling

Seascape Effects on Temperate Reef Fish: Implications for Marine Conservation *abs# 131*

#### 4:15 PM Giorgia Cecino

Understand fish metapopulation persistence with network approaches *abs# 132*

#### 4:30 PM Sam Payet

Population genomics of coral trout (*Plectropomus*) in the Coral Sea and Great Barrier Reef *abs# 133*

#### 4:45 PM Kynan Hartog-Burnett

Stock structure of tropical clupeid populations *abs# 134*

### Climate Change Public Event

6:00PM - 7:30PM

Melbourne Museum

*Limited tickets*

## WEDNESDAY 10<sup>TH</sup> OCTOBER 2018

### Registration Opens

8:00AM - 5:00PM

Skyline Lounge

### Plenary

9:00AM - 10:00AM

Skyline Room

#### 9:00 AM Steven Cooke

Partnerships Underpin Sustainable and Responsible Recreational Fisheries *abs# 135*

### ECR Travel Award

10:00AM - 10:30AM

Skyline Room

#### 10:00 AM Joel Williams

Looking a little deeper: The importance of temperate mesophotic ecosystems to scientists, managers and recreational fishing *abs# 136*

### Morning Tea

10:30AM - 11:00AM

Skyline Lounge

## Habitat

11:00AM - 12:30PM

Panorama Room

### 11:00 AM Christopher Fulton

Do tropical reef fishes depend on seaweed meadow habitats? *abs# 137*

### 11:15 AM Joshua van Lier

Unseasonal reductions in macroalgal canopy height have lasting effects on tropical fish communities *abs# 138*

### 11:30 AM David Ellis

Multi-scale habitat associations of serranid fishes across coral reef and macroalgal meadows at Ningaloo Reef, Western Australia *abs# 139*

### 11:45 AM Yi-Yang Chen

Do tropical reef fishes exhibit foraging microhabitat preferences in macroalgal meadows? *abs# 140*

### 12:00 PM Paloma Matis

The role of habitat composition in structuring the distribution of reef fish assemblages across a tropical to temperate gradient *abs# 141*

### 12:15 PM Leteisha Prescott

Degraded habitat increasing the susceptibility of resident fishes to disease *abs# 142*

## Threatened Species

11:00AM - 12:30PM

Vista Room

### 11:00 AM Mark Lintermans

Raising awareness of Australia's most threatened freshwater fish: the compilation of a Red Hot Redlist *abs# 143*

### 11:15 AM Amy Tims

Statistical approaches to assessing threatened status in Australian freshwater fishes *abs# 144*

### 11:30 AM Hugh Allan

Monitoring a critically endangered galaxiid by portable pit tag detection *abs# 145*

### 11:45 AM Jesse Trushenski

Identifying and addressing water chemistry differences affecting post-release survival of Snake River Sockeye Salmon smolts *abs# 146*

### 12:00 PM Peter Unmack

Assessing the benefits and risks of translocations in depauperate species: a case study of the conservation management of the critically endangered red-finned blue-eye, *Scaturiginichthys vermeilipinnis*. *abs# 147*

### 12:15 PM Gerry Closs

Were the New Zealand and Australian graylings (*Prototroctes* spp.) distinct species? *abs# 148*

## Elasmobranch Behaviour & Movement

11:00AM - 12:30PM

Horizon Room

### 11:00 AM Sherrie Chambers

Investigating the trophic ecology of a migratory benthic shark using stable isotope analysis *abs# 149*

### 11:15 AM Robert Perryman

Fine-scale site fidelity and social network structure of a reef manta ray population *abs# 150*

### 11:30 AM Joni Pini-Fitzsimmons

Stingray sociality – A case study for the utility of heterarchical analysis in understanding animal societies *abs# 151*

### 11:45 AM Oliver Jewell

Animal-borne video reveals novel habitat-use in white sharks *abs# 152*

### 12:00 PM Samantha Andrzejczek

The cryptic lives of tiger sharks – hidden complexities and enigmatic behaviours in a three-dimensional realm *abs# 153*

**12:15 PM Kye Adams**

Project AIRSHIP: Spotting sharks using blimp-mounted cameras for conservation and human safety *abs# 154*

**Lunch**

12:30PM - 1:30PM

Skyline Lounge

**Biology, Ecology and Evolution**

1:30PM - 2:30PM

Panorama Room

**1:30 PM Jasmin Martino**

Long-term, inter-regional variation and drivers of growth in an iconic fisheries species *abs# 155*

**1:45 PM Nathan Knott**

The quantification of large-scale, systematic changes in rocky reef fish assemblages across the NSW Marine Park network using Baited Remote Underwater Video *abs# 156*

**2:00 PM Sarah-Lena Reinhold**

Laying the foundations of South Australia's Blue Infrastructure Initiative: Windara Reef Stage 1 *abs# 157*

**2:15 PM John Morrongiello**

Large-scale synchrony in NZ fish growth and its implications for fishery productivity *abs# 158*

**Threatened Species**

1:30PM - 2:30PM

Vista Room

**1:30 PM Michael Hammer**

Taxonomy to support biodiversity conservation of Australian rainbowfishes *abs# 159*

**1:45 PM Nick S Whiterod**

It's now or never....the future of threatened small-bodied freshwater fishes in the southern Murray-Darling Basin *abs# 160*

**2:00 PM Zeb Tonkin**

Re-establishing Macquarie perch in the Ovens River: Actions, engagement and a novel evaluation approach *abs# 161*

**2:15 PM Ben Broadhurst**

Spawning habitat of Macquarie perch in the Cotter River, Australian Capital Territory. *abs# 162*

**Fish Ethics and Welfare**

1:30PM - 2:45PM

Horizon Room

**1:30 PM Culum Brown**

Fish are smarter than you think: Implications for welfare *abs# 164*

**1:45 PM Melina Tensen**

Fish welfare standards in aquaculture *abs# 165*

**2:00 PM Vincent Raoult**

A remote-operated vehicle reveals the effects of capture on post-release behaviours of sharks *abs# 166*

**2:15 PM Sarah McDonald**

The effectiveness of three common fish anaesthetics on the native estuarine fish, the Blue-spot Goby (*Pseudogobius* sp.) *abs# 167*

**2:30 PM Keith Rowling**

Influencing attitudes of recreational fishers to interactions with Sharks and Rays *abs# 168*

**Afternoon Tea**

2:45PM - 3:15PM

Skyline Lounge

### Threatened Species Workshop

3:15PM - 5:15PM

Chair: Michael Hammer Facilitator: Mark Lintermans

Panorama Room

### PhD/ECR Workshop

3:15PM - 5:15PM

Chair: Henry Wootton Facilitator: Joshua Barrow

Vista Room

### Fisheries Management Workshop

3:15PM - 5:15PM

Horizon Room

### Fish Ethics Workshop

3:15PM - 5:15PM

Chair: Culum Brown

Aspect Room

### Poster Night

5:30PM - 7:00PM

Skyline Lounge

## THURSDAY 11<sup>TH</sup> OCTOBER 2018

### Registration Opens

8:00AM - 5:00PM

Skyline Lounge

### Plenary

9:00AM - 10:00AM

#### 9:00 AM Nick Bond

Ecosystem modelling to support freshwater fisheries management *abs# 169*

Skyline Room

### National Carp Control Program

10:00AM - 10:30AM

#### 10:00 AM Matt Barwick

A look under the hood of the National Carp Control Plan *abs# 170*

Skyline Room

### Morning Tea

10:30AM - 11:00AM

Skyline Lounge

### Carp

11:00AM - 12:15PM

#### 11:00 AM Mark Lintermans

The medium to long-term ecological effects of major carp reductions. *abs# 171*

#### 11:15 AM Jennifer Marshall

Possible dissolved oxygen and nutrient impacts from mass carp mortality *abs# 172*

#### 11:30 AM Jarod Lyon

How many carp are there in Australia? *abs# 173*

#### 11:45 AM Kenneth McColl

Four common misconceptions about a potential carp biocontrol virus, and implications for a control program *abs# 174*

#### 12:00 PM R. Keller Kopf

Can the carp herpesvirus deliver safe and effective restoration of rivers and wetlands? *abs# 175*

Panorama Room

### Fisheries Management

11:00AM - 12:00PM

#### 11:00 AM Lucas Kas

Assessing the size structured pelagic ecosystems in the western Tasman Sea: over stock status *abs# 178*

Vista Room

**11:15 AM Tiffany Sih**Deep-reef fisheries ecology in the Indo-Pacific *abs# 177***11:30 AM Samuel Williams**Misidentification of Pacific Ocean billfishes by fisheries observers raises uncertainty over stock status *abs# 178***11:45 AM Crystal Beckmann**Accounting for ENSO driven fluctuations in a small-scale prawn trawl fishery *abs# 179***Biology, Ecology and Evolution**

11:00AM - 12:15PM

Horizon Room

**11:00 AM Osmar Luiz**Functional diversity and vulnerability of Australian freshwater fishes *abs# 180***11:15 AM S. Ehsan Mousavi**Stages of embryonic development from zygote to hatching in the viviparous fish, *Gambusia holbrooki abs# 181***11:30 AM Peter Cowman**A new tree for an old problem: Resolving wrasses relationships - phylogeny and biogeography of *Coris* and Old World *Halichoeres* lineages (Family Labridae) *abs# 182***11:45 AM Martin Gomon**What gurnard is that? . . . . . revisiting Indonesian and Australian *Lepidotrigla abs# 183***12:00 PM Maggie Watson**Using biochemistry to monitor the Murray Crayfish *Euastacus armatus* (Parastacidae) *abs# 184***Lunch & AGM**

12:15PM - 2:15PM

Skyline Room

**15 min break**

2:15PM - 2:30PM

Skyline Lounge

**K Radway Allen Award**

2:30PM - 3:30PM

Skyline Room

**2:30 PM Michael Kingsford**Fish tales and life as an ecological detective *abs# 185***Afternoon Tea**

3:30PM - 4:00PM

Skyline Lounge

**Carp**

4:00PM - 5:15PM

Panorama Room

**4:00 PM Jess Hopf**Integrating habitat suitability and population projection modelling to better inform the management of invasive common carp *abs# 186***4:15 PM Peter Durr**Integrated epidemiological and ecological modelling to inform policy – a case study to assist the decision of whether to release Cyprinid herpesvirus 3 (CyHV-3) to control invasive common carp (*Cyprinus carpio*) in southeast Australia. *abs# 187***4:30 PM Nicholas Ling**Can dogs smell fish: using scent detection dogs to sniff out carp *abs# 188***4:45 PM Jonah Yick**The management of European carp in Tasmania *abs# 189***Carp Discussion****Fisheries Management**

4:00PM - 4:45PM

Vista Room

**4:00 PM Jonathan Mitchell**Shark depredation in fisheries: How data from an Australian recreational fishery fits into the global picture *abs# 190*

**4:15 PM Rob Kenyon**

A conceptual model of banana prawn life history that informs both ecosystem services for fishery production while enabling water harvest for multiple use *abs# 191*

**4:30 PM William Bowman**

The implications of varying environmental conditions on the development of a harvest strategy for the nt mud crab fishery *abs# 192*

**Aquatic Pollution**

4:00PM - 5:00PM

Horizon Room

**4:00 PM Daniel Gomez Isaza**

Living in polluted waters: metabolic costs of exposure to nitrate and low pH of a native fish species *abs# 193*

**4:15 PM Juan Manuel Valero-Rodríguez**

Does harvesting of drift algae to reduce nitrogen in coastal marine ecosystems pose a risk to associated fish species? *abs# 194*

**4:30 PM Aldo Turco**

The use of Diffusive Gradient Thin-film units (DGTs) in contaminants concentration assessment and exposure risk for aquatic biota *abs# 195*

**4:45 PM Kathryn Hassell**

Smooth toadfish (*Tetractenos glaber*) as an indicator of pollution stress in Western Port and other coastal embayments in Victoria, Australia. *abs# 196*

**Conference Dinner**

7:00PM - 12:00AM

**Jim Stynes Room, MCG**

Entry through Gate 3, security will be there to check your name badge, then take the escalators up to level 2 and follow directional signage or take the lifts up to level 2 and the Jim Stynes room is just on their right.