

FIRST INTERNATIONAL SYMPOSIUM ON THE MANAGEMENT & BIOLOGY OF DOGFISH SHARKS

JUNE 13-15, 2005
SEATTLE, WASHINGTON USA

AGENDA

Monday June 13

- 8:45-9:45 Registration coffee refreshments /set up posters 
- 9:45-9:50 Welcome – Vince Gallucci
- 9:50-10:15 **Welcoming address** David Armstrong, University of Washington
- 10:15-11:00 **Keynote address- Beliefs, speculation and the sad history of dogfish management** Richard Beamish
- 11:00-12:00 **Session 1 Review of world fisheries for dogfish – Chair: Vince Gallucci**
- 11:00-11:20 European fisheries for spurdog (*Squalus acanthias*): Historical perspective and current status Mike Pawson and Jim Ellis
- 11:20-11:40 Atlantic coast of North America Paul Rago, Steven Campana, and Vincent Gallucci
- 11:40-12:00 Pacific coast of U.S. Greg Bargmann
- 12:00-1:20 Lunch (light lunch provided or on your own) set up posters
- 1:20- 3:10 **Session 2 Biology and Ecology Reproduction and Age Studies**
Session Chair: Mary Lou Mills
- 1:20- 1:40 The potential effects of maternal size on the survival of newborn spiny dogfish. (*Squalus acanthias*) Katherine Sosebee
- 1:40-2:00 Demography, endocrinology and the management of spiny dogfish (*Squalus acanthias*) in Puget Sound. Cindy Tribuzio, Vincent Gallucci, Penny Swanson, Greg Bargmann
- 2:00-2:20 Determination of gastric evacuation rate for spiny dogfish. (*Squalus acanthias*)
Kristin Hannan
- 2:20-2:40 Spiny dogfish in Atlantic Canada: biology and age structure, including a new method for age validation. Steven Campana, Cynthia Jones, Gordon McFarlane, and Sigmond Myklevoll
- 2:40-3:00 Growth change in the spiny dogfish (*Squalus acanthias*) along a latitudinal gradient. Nicci Vega, Vincent Gallucci, Lorenz Hauser, James Franks
- 3:00-3:10 Discussion

3:10-3:30 Coffee break 

3:30-5:00 **Session 3 Stock identification and ecology – Session Chair:
Debbie Farrer**

3:30-3:50 Genetic differentiation and phylogeography of Atlantic and Pacific spiny dogfish (*Squalus acanthias*). Lorenz Hauser, Nicci Vega, Vincent Gallucci, James Franks

3:50-4:10 Coastal migration of tagged spiny dogfish, (*Squalus acanthias*) released on overwintering grounds in North Carolina coastal waters. Roger Rulifson

4:10-4:30 Report of an ongoing investigation of the life history, ecology and population dynamics of spiny dogfish (*Squalus acanthias*) in Alaska. Cindy Tribuzio & Gordon Kruse

4:30-4:50 Phylogeny and fossil record of dogfishes. Jürgen Kriwet

4:50-5:00 Discussion

5:00- 7:00 **Reception and poster viewing**

Welcoming remarks Canadian Consulate

A sea of sharks from A to Z: an artist's perspective on the world of chondrichthyans Ray Troll

Tuesday June 14

8:00-8:30 Coffee refreshments late registration

8:30-10:10 **Session 4 Assessment and modeling 1 – Session Chair: Sandy McFarlane**

8:30-8:50 Migration patterns of spiny dogfish in the NE Pacific during periods of high and low exploitation examined from tag-recovery experiments. Ian Taylor, Greg Bargmann, Greg Lippert, Vincent Gallucci

8:50-9:10 A Cultural Consensus Analysis of Fishermens' and Scientists' Knowledge of Dogfish (*Squalus acanthias*) in Puget Sound: a first step toward policy. Mark Miller, Vincent Gallucci and Alex Lowe

9:10-9:30 The status of spiny dogfish in Puget Sound, Washington. Wayne Palsson

9:30-9:50 Distribution and abundance of *Squalus acanthias* and *S blainvillei* in the Mediterranean Sea based on the Mediterranean International Trawl Survey program (MEDITS). Fabrizio Serena, Costas Papaconstantinou, Giulio Relini, Luis Gil De Sola, Jacques Bertrand

9:50-10:10 Trends in abundance of spiny dogfish in the Strait of Georgia 1980-2004. Jackie King and Gordon McFarlane

10:10-10:30 Coffee break



10:30-11:50 **Session 5 Assessment and modeling 2 – Session Chair: Mary Lou Mills**

10:30-10:40 Sequel of the directed fishery for spurdog in the 1980's off west coast of Ireland. Edward Fahy, Peter Green, Ayesha Power and Edgar McGuinness

10:40-11:00 Modeling the competition between sixgill sharks (*Hexanchus griseus*) and the commercial fishery on spiny dogfish sharks (*Squalus acanthias*). Vincent Gallucci, Ian Taylor, Brian Langseth, Joel Rice and Greg Bargmann

11:00-11:20 Statistical comparison of age-length keys from spiny dogfish spines. Joel Rice, Vincent Gallucci, Cindy Tribuzio, Gordon Kruse

11:20-11:40 Status of spiny dogfish in Atlantic and Pacific Canada. Scott Wallace, Gordon McFarlane, Steven Campana, and Jackie King

11:40-11:50 Discussion

11:50-1:40 Lunch

1:40-3:30 **Session 6 Fisheries management 1 – Session Chair: Jackie King**

- 1:40-2:00 The evolution of spurdog (*Squalus acanthias*) fisheries and assessment of their impact on stocks in the North-east Atlantic: where are we now and how do we manage for sustainability? Mike Pawson and Jim Ellis
- 2:00-2:20 Management of shark bycatch in Alaskan Federal waters. Dean Courtney, Sarah Gaichas, Jennifer Boldt, Kenneth Goldman, and Cindy Tribuzio
- 2:20-2:40 The occurrence of dogfish shark in recreational fisheries in the United States and implications for stock assessments. Greg Bargmann and Patty Zielinski
- 2:40-3:00 Spiny dogfish mortality induced by gillnet and trawl capture and tag and release. Roger Rulifson
- 3:00-3:30 Post-release mortality of discarded *Squalus acanthias* in a NW Atlantic otter trawl fishery. John Mandelman and Marianne Farrington
- 3:30-3:50 Coffee break 
- 3:50-5:00 **Session 7 Fisheries management 2 - Session Chair: Charlotte Mogensen**
- 3:50-4:10 Population estimates of spiny dogfish in USA coastal waters using mark-recapture and density methods. Roger Rulifson
- 4:10-4:30 Management of dogfish fisheries to reduce bycatch of rockfish. Tom Helser
- 4:30-4:50 New monitoring and management regime for the longline fishery in British Columbia. Tamee Mawani
- 4:50-5:00 Discussion

5 00-6:30 **Session 8 Age reading workshop – Session Chair: Sandy McFarlane**

Age determination staff will demonstrate ageing methodology used for spiny dogfish in Pacific waters. This will be a hands on workshop designed for both novice and experienced age readers. Spine samples from US and Canadian Pacific stocks will be available and both age reading and measurement techniques will be examined. In addition, spines from dogfish which were injected with OTC and subsequently recovered up to 20 years later as part of age validation studies will be available for examination. This workshop will be of interest to age readers and researchers using age estimates alike.

Wednesday June 15

8:00- 8:30 Coffee refreshments late registration



8:30-10:00 **Session 9 Management-Recovery Initiatives – Session Chair: Lorenze Hauser**

8:30-8:50 The thrill of decline and the agony of recovery: Scientific challenges of spiny dogfish recovery programs. Paul Rago

8:50-9:10 Conservation of Northwest Atlantic spiny dogfish under US law and CITES. Sonja Fordham

9:10-9:30 How to recover spurdog in the NE Atlantic: Can CITES assist in achieving recovery? Charlotte Mogensen

9:30-9:50 Discussion

9:50-10:10 Coffee



10:10-12:10 **Session 10 Speculations on the future of dogfish – Session Chair: Dick Beamish**

10:30-12:10 A panel discussion on the future of dogfish management, conservation and assessment. Panel members will include representatives from the industry, government agencies, and the conservation community.

Invited speakers: Richard Methot (NOAA-Fisheries-Pacific coast), Paul Rago (NOAA-Fisheries, Atlantic coast), Sonja Fordham (Ocean Conservancy), Ray Forsman (commercial fisher)

12:10 **Closing comments** (light lunch provided)
Discussion

1:00 Adjourn

