

Annual InFish In-person Meeting

10-12 April 2018
[USGS Headquarters](#) (Reston, VA)

Attendees:

In-person: Emily Argo, Zeenatul Basher, Doug Beard, Shannon Bower, Daniel Buczek, Bo Bunnell, Michael Cooperman, Ian Cowx, Vittoria Elliott, Etienne Fluet-Chouinard, Amanda Jeanson, Yu-Chun Kao, Trevor Krabbenhoft, Kai Lorenzen, Abigail Lynch, Clint Muhlfeld, Bonnie Myers, Tunde Ojewola, Craig Paukert, Sui Phang, Cris Ramirez, Andrea Reid, Ashley Robertson, Bill Taylor, Ralph Tingley, So-Jung Youn

Remote: Lee Baumgartner, Andrew Carlson, Julie Claussen, Steve Cooke, Gus Engman, Simon Funge-Smith, Sarah Glaser, Ian Harrison, Tom Kwak, Karen Murchie, Dave Philipp, Gretchen Stokes

Zoom: [InFish Meeting](#) (meeting number: 355 491 3708)

Call-in: +1 408 638 0968 or +1 646 876 9923 US Toll ([international numbers available](#))

10 April 2018

Time	Activity	Location
Noon – 1:00 p.m.	Lunch	USGS Cafeteria
12:45 p.m. – 1:00 p.m.	Set up Zoom call Abby Lynch / Remote participants	BA102B/C
1:00 p.m. – 1:10 p.m.	Welcome Doug Beard	BA102B/C
1:10 p.m. – 2:55 p.m.	Lightning talks Abby Lynch (moderator)	BA102B/C
1:10 p.m. – 1:15 p.m.	Evidence synthesis for inland fisheries management Steve Cooke	
1:15 p.m. – 1:20 p.m.	Developing desktop assessment for sustainability in global inland commercial fisheries Shannon Bower	
1:20 p.m. – 1:25 p.m.	Inland fisheries provide a substantial contribution to U.S. commercial fishing Bo Bunnell	
1:25 p.m. – 1:30 p.m.	Global hidden harvest of freshwater fish revealed by household surveys Etienne Fluet-Chouinard	
1:30 p.m. – 1:35 p.m.	Inland and Marine Fisheries Investment and Economic Impact in North America Emily Argo	
1:35 p.m. – 1:40 p.m.	Questions	
1:40 p.m. – 1:45 p.m.	Mechanisms underlying change in inland fish and fisheries: a role for functional genomics Trevor Krabbenhoft	

1:45 p.m. – 1:50 p.m. Effects of climate change and land use on global lake fisheries

Yu-Chun Kao

1:50 p.m. – 1:55 p.m. Predicted impacts of climate warming on aerobic performance and upper thermal tolerance of six tropical freshwater fishes spanning three continents

Michael Cooperman

1:55 p.m. – 2:00 p.m. Impacts of global change on Caribbean fish assemblages and fisheries ecosystem services

Bonnie Myers

2:00 p.m. – 2:05 p.m. **Questions**

2:05 p.m. – 2:10 p.m. Climate change and recreational fisheries

Amanda Jeanson

2:10 p.m. – 2:15 p.m. Assessing climate-driven changes in fisheries and ramifications for agencies and anglers: A case study of Wisconsin's inland lake walleye fishery

Ralph Tingley

2:15 p.m. – 2:20 p.m. Managerial responses to Climate Change in Missouri State Parks & Historic Sites

Tunde Ojewola

2:20 p.m. – 2:25 p.m. Emerging threats and persistent conservation challenges for freshwater biodiversity

Andrea Reid

2:25 p.m. – 2:30 p.m. **Questions**

2:30 p.m. – 2:35 p.m. Modelling Regime Shifts in the Logone

Sui Phang

2:35 p.m. – 2:40 p.m. Biodiversity conservation and fisheries management in the Mekong

Vittoria Elliott

2:40 p.m. – 2:45 p.m. Determining the role of fish in meeting Myanmar's food and nutritional needs

So-Jung Youn

2:45 p.m. – 2:50 p.m. Inland Fisheries are more than a national problem: addressing transboundary perspectives

Ian Cowx

2:50 p.m. – 2:55 p.m. **Questions**

2:55 p.m. – 3:15 p.m.

Break

3:15 p.m. – 3:25 p.m.	Introduction to InFish SDG expert exercise Abby Lynch	BA102B/C
3:25 p.m. – 5:00 p.m.	Breakout groups Leads: Sui Phang, Vittoria Elliott, Abby Lynch	BA102B/C
5:00 p.m. – 5:30 p.m.	SDG exercise wrap-up All / Abby Lynch (moderator)	BA102B/C
6:00 p.m.	Group dinner	Barcelona Wine Bar

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8:15 a.m. – 8:30 a.m.	Set up Zoom call Abby Lynch / Remote participants	BA102A
8:30 a.m. – 9:00 a.m.	InFish Communications InFish Comms Team <i>Website, logo, publication branding, etc.</i>	
9:00 a.m. – 10:00 a.m.	Vulnerability Classification (exposure, sensitivity, adaptive capacity)	
9:00 a.m. – 9:30 a.m.	Climate change context Ian Cowx	
9:30 a.m. – 9:50 a.m.	Relevance to FAO Simon Funge-Smith (remote) <i>Bounding constraints – e.g., Fisheries? Watersheds?</i>	
9:50 a.m. – 10:10 a.m.	Risks to inland fish All / Abby Lynch (moderator) <i>Shortlist of the most significant threats to inland fish</i>	
10:10 a.m. – 10:30 a.m.	Break (vote for threat categories during break)	
10:30 a.m. – noon	Breakout groups	BA102A
10:30 a.m. – 10:40 a.m.	Breakout group introductions <i>Why do you want to be in this group and what do you want to get out of it?</i>	
10:40 a.m. - 11:00 a.m.	Define assigned vulnerability dimension <i>What do we mean by exposure, sensitivity, adaptive capacity for inland fish?</i>	
11:00 a.m. – noon	Metrics to measure vulnerability dimensions <i>Where are data available to measure exposure, sensitivity, adaptive capacity for inland fish?</i>	

Noon – 1:00 p.m.	Lunch	USGS Cafeteria
1:00 p.m. – 2:00 p.m.	Breakout group report-outs	BA102A
1:00 p.m. – 1:20 p.m.	Exposure Dimension lead: Ralph Tingley	
1:20 p.m. – 1:40 p.m.	Sensitivity Dimension lead: Abby Lynch	
1:40 p.m. – 2:00 p.m.	Adaptive capacity Dimension lead: Andrea Reid	
2:00 p.m. – 2:30 p.m.	Integration All / Ian Cowx (moderator) <i>How to get started? Which fish / regions / types / etc.?</i>	BA102A
2:30 p.m. – 3:10 p.m.	Breakout group example Dimension leads: Tingley, Lynch, Reid <i>Assess the example by vulnerability dimension – note issues, concerns, and next steps</i>	
3:10 p.m. – 3:30 p.m.	Break	
3:30 p.m. – 4:30 p.m.	Breakout group report-outs	BA102A
3:30 p.m. – 3:50 p.m.	Exposure Dimension lead: Ralph Tingley	
3:50 p.m. – 4:10 p.m.	Sensitivity Dimension lead: Abby Lynch	
4:10 p.m. – 4:30 p.m.	Adaptive capacity Dimension lead: Andrea Reid	
4:30 p.m. – 5:00 p.m.	Feedback and next steps for InFish group All / Doug Beard (moderator)	BA102A
5:00 p.m. – 6:00 p.m.	Transport to Hotel / Hotel Happy Hour	Sheraton / Westin
6:00 p.m.	Group dinner	bartaco

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– 12:30 p.m.	On own <i>Optional</i> 9:50 a.m. Meet at Constitution Ave. entrance of the Smithsonian Natural History Museum 10:00 a.m. Smithsonian “Oh My” fish collections tour with Dr. Jeff Clayton	Meet at <i>T. rex</i> skull
12:30 p.m.	Russell Senate Office Building security screening All	Meet at Delaware entrance, Constitution Ave
1:00 p.m. – 3:00 p.m.	Capitol Hill roundtable briefing on extreme events and inland fish, followed by a guided Capitol tour	Russell 188
3:00 p.m.	Adjourn / Capitol Hill Happy Hour	Hawk 'n' Dove

USGS meeting

- Casual attire.
- Follow signs from the Visitors Parking. All visitors must enter at the Visitors Entrance and pass through a security screening process. All packages, briefcases, handbags, etc. will be scanned. Visitors must sign in and present a picture identification, such as a State driver’s license. The guard will then issue a visitor’s badge that must be worn at all times.
- When you arrive, ask the guards to direct you to the cafeteria – our meeting room is right nearby. If you have any issue, call Abby’s cell (703- 268-3913).

Capitol Hill briefing

- Business attire required (**men:** e.g., suit and tie; **women:** e.g., skirt/dress and blazer).
- Before entering the [Capitol Visitor Center](#), all visitors are screened by a magnetometer and all items that are permitted inside the building are screened by an x-ray device. The following items are strictly prohibited:
 - Any bag larger than 14" wide x 13" high x 4" deep
 - Aerosol containers
 - Any pointed object (i.e., knitting needles, letter openers, etc. Note: pens and pencils are permitted.)
 - Cans and bottles
 - Electric stun guns, martial arts weapons or devices
 - Food or beverages of any kind
 - Guns, replica guns, ammunition, and fireworks
 - Knives of any size
 - Mace and pepper spray
 - Non-aerosol spray (prescriptions for medical needs are permitted)
 - Razors and box cutters