Appendix

International Technical Workshop on Gadoid Capture by Pots (GACAPOT)

WELCOME!



Michael Pol Massachusetts Division of Marine Fisheries (USA)



MARINE INSTITUTE

Pingguo He University of New Hampshire (USA)

Paul Winger Fisheries and Marine Institute (Canada)





Agenda

9:00 AM 9:10 AM 9:50 AM	Mike Pol Pingguo He	Welcome and introduction to the workshop, agenda, and logistics Introduction to fish capture by pots
9:10 AM 9:50 AM	Pingguo He	Introduction to fish capture by pots
9:50 AM		
	Bjarti Thomsen	Pot research and pot fishery in Faeroe Islands and other European countries
10:10 AM	Svein Løkkeberg and Odd-Børre Humborstad	Pot research and pot fishery in Norway
10:30 AM	Break	
11:00 AM	Phil Walsh	Pot research in eastern Canada
11:20 AM	Craig Rose	Pot research and pot fishery in the American west coast
11:40 AM	Mike Pol	Pot research in the American east coast
12:00 AM	Ken La Valley	Haddock pot experiment in Gulf of Maine
12:15 AM	Takafumi Arimoto	Pot research in Asian countries
12:30 PM	Lunch (provided to all par	ticipants)
1:00 PM	Paul Winger	Introduction to afternoon discussions
4.00 PM	Mike Pol	Summary and wrap up







F	Pot vs. Tra	Ггар	
	Pot	Тгар	
• Size:	Small	Large	
• Bait:	Used	Not used	
Leader	No	Yes	
Mobility	Can be moved	Stationary for a season	
Capture mechanism	Attract/retain	Guide/trap	

	Classification of Fishing Gear (1550FG)				
GEAR	AR STANDARD ISSCFG				
CATEGORIES	ABBREV.	CODE			
SURROUNDING NETS		01.0.0			
SEINE NETS		02.0.0			
TRAWLS		03.0.0			
DREDGES		04.0.0			
LIFT NETS		05.0.0			
FALLING GEAR		06.0.0			
GILLNETS AND ENTANGLING NETS		07.0.0			
TRAPS		08.0.0			
Stationary uncovered pound nets	FPN	08.1.0			
Pots	FPO	08.2.0			
Fyke nets	FYK	08.3.0			
Stow nets	FSN	08.4.0			
Barriers, fences, weirs, etc.	FWR	08.5.0			
Aerial traps	FAR	08.6.0			
Traps (not specified)	FIX	08.9.0			
HOOKS AND LINES		09.0.0			
GRAPPLING AND WOUNDING		10.0.0			
HARVESTING MACHINES		11.0.0			
MISCELLANEOUS GEAR	MIS	20.0.0			
RECREATIONAL GEAR	RG	25.0.0			
GEAR NOT KNOWN	NK	99.0.0			

Factors Affecting Pot Fishing

- Light level
- Temperature
- Presence of bait/prey species
- Scavengers and parasites

Effects of environmental variables on fish feeding ecology: implications for the performance of baited fishing gear and stock assessment

 A. W. Stoner. J. Fish Bio. Volume 65 Page 1445 - December 2004.
 Effects of environmental variables on fish feeding ecology: implications for the performance of baited fishing gear and stock assessment

- The effectiveness of baited fishing gear ultimately depends upon behaviour of the target species activity rhythms, feeding motivation, and sensory and locomotory abilities.
- Environment related variation in feeding behaviour can act through four different mechanisms: metabolic processes, sensory limitations, social interactions and direct impacts.
- Water temperature, light level, current velocity and ambient prey density are likely to have largest
 effects on fish catchability, potentially affecting variation in CPUE by a factor of ten.
- Feeding behaviour is also density dependent, with both positive and negative effects.
- There is a critical need for greater understanding of how environmental variables affect feeding related performance of baited fishing gear.

Conclusions

Equipment and observation technique has been succesfull

Long lasting bait: a useful system has been developed

Pot entrance should face downstream or be accesibel from all sides

Need more work on effective entrance

Need more work on design (shape, size) of pot and how this affect fish behaviour. A pyramid shape may be an alternative

Alternative stimulation: only initial experiments – no success yet

The Ideal Pot for Cod

- Floated
- Odour plume out of the funnel
- A wide funnel
- Double funnel?
- Two chambers separated by a narrow funnel
- Long-lasting bait
- Visual stimulus
- Other stimuli

