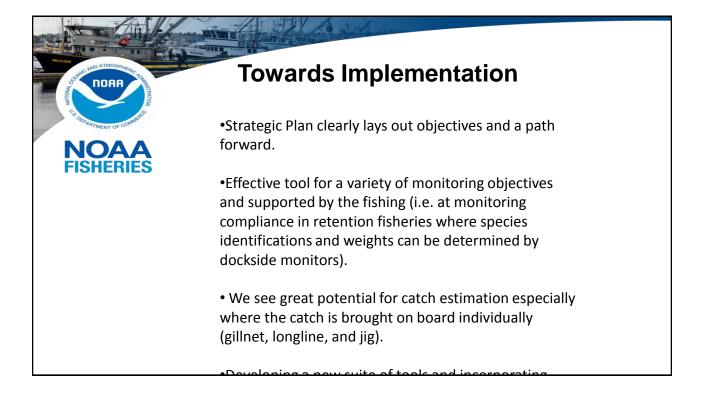


A Must have a clear objective to develop a successful program Must have Industry support and motivation to make it work Deploy the necessary set of tools to collect and validate information Develop infrastructure first to support



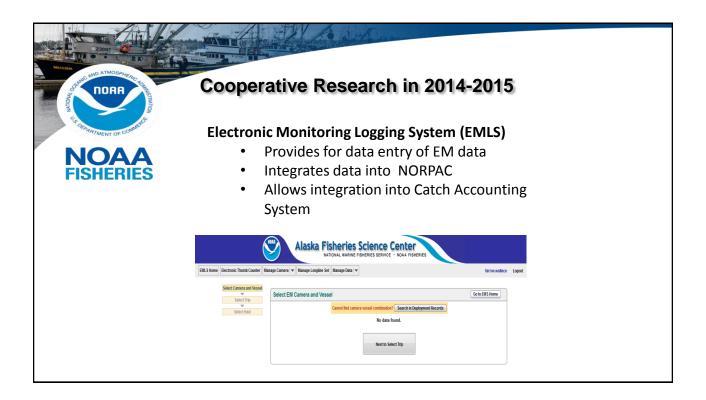
Challenges

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- > Although thought reliable, most studies report lapses in data
- Video quality is often variable throughout a trip influenced by environmental conditions and system maintenance
- > There are differences in species compositions when EM is compared to Observer derived data, Reviewer to Reviewer
- > Time delay for making data available for management (acquiring and post-processing)
- Cost of collecting data is dependent on many factors however, Infrastructure \$ rarely mentioned

AND ATMOSPHERE	Cooperative Research in 2014 Overview of 2014 Industry EM study						
	Metric	Halibut	Sablefish				
	Vessels	9	5				
	Trips	30	18				
	Hauls	224	89				
	Hauls reviewed	70	41				

Cooperativ	e Resea	rch in	2014			
The second second			2011			
Image Quality (# of	f Hauls)		% of Hauls	5		
S Metric	Halibut	Sablefish	Halibut	Sablefish		
High	37	21	53%	51%		
Medium	31	19	44%	46%		
Poor	2	1	3%	2%		
Number of trips wi	Number of trips with incomplete video data					
Metric	Halibut	Sablefish	Halibut	Sablefish		
Every Haul affected	d 6	1	20%	6%		
Some hauls affecte	e d 4	. 3	13%	7%		



Cooperative Research in 2014-2015

Developed a Stereo Camera and Camera Chute systems designed specifically for fishery data collection

- Support automation for capturing specific catch events
- Supports collection of high quality images of fish
- Supports automation of length composition



NOAA

NO4

