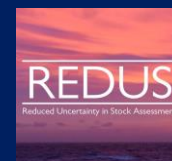


Reduced Uncertainty in Stock Assessment (REDUS)

A strategic project at the Institute of Marine Research

Closing Seminar (online)

2nd - 4th December 2020, 11:00 - 14:00 CET



2nd Dec	Catch surveys & Assessment modelling	Presenter	Inst.
11:00	Welcome and introductions	E. Olsen	IMR
	<i>Catch surveys and estimation</i>		
11:05	Introduction to survey designs for fisheries catch sampling	J.H. Vølstad	IMR
11:15	Probabilistic catch-sampling in real-time	H. Otterå	IMR
11:40	Estimation support systems	E. Fuglebakk	IMR
12:05	Break (10 min)		
	<i>Stock assessment and modelling</i>		
12:15	The specification of the data model in SAM matters	M. Aldrin	NCC
12:40	Fish stock assessment and uncertainty in input data	S. Aanes	NCC
13:05	REDUS best practice guide	E. Olsen	IMR
13:30	Closing discussions	J.H. Vølstad	IMR
14:00	End session		

3rd Dec	Management Strategy Evaluation		
11:00	Welcome and introductions	G. Søvik	IMR
11:05	MSE Tools and Techniques	D. Howell	IMR
11:30	Evaluating fisheries management scenarios through marine ecosystem models	H. Perryman	IMR
	<i>Using multispecies and ecosystem realities to evaluate different kinds of HCRs</i>		
11:55	Single species HCRs in a single species "reality"	D. Goto	IMR
12:02	Single species HCRs in an ecosystem "reality"	H. Perryman	IMR
12:09	Multispecies HCRs	A. Perez-Rodriguez	IMR
12:16	Ecosystem HCRs	C. Hansen	IMR
12:23	Questions		
12:43	Break (10 min)		
12:53	Synthesis HCR evaluation into the future	D. Howell	IMR
13:23	REDUS Framework	I. Umar	IMR
14:00	End session		

4th Dec	Fisheries-independent (scientific) surveys		
11:00	Welcome and introductions	N.O. Handegard	IMR
11:10	Introduction to survey designs	E. Johnsen	IMR
11:15	The zig-zag survey design	A. Harbitz	IMR
11:30	A spatio-temporal index model, predicting indices in areas without survey coverage	O.N. Breivik	NCC
11:45	The IBTS survey	N. Jourdain	IMR
12:00	Implementation of software: Survey time series, StoX, Rstox, and survey planner	E. Johnsen	IMR
12:15	Break (10 min)		
12:25	Introduction to sensors and sampling	N.O. Handegard	IMR
12:30	Fisheries sonar - biases and automation	S. Vatnehol	IMR
12:45	Standardization of sampling trawls and reduced sampling bias in the future	S. Rosen	IMR
13:00	Simulating acoustic trawl surveys using an end-to-end ecosystem model	A.J. Holmin	IMR
13:15	Acoustic dead zone corrections	K. Ono	IMR
13:30	Stock table	G. Søvik	IMR
13:55	Closing remarks	E. Olsen	IMR
14:00	End of seminar		

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