





# <u>Plan</u>

- S-111 Surface currents specification status
- Tests Datasets
- Use of Korea S-100 viewer and SLGO validator
- Portrayal examples
- Next Steps





# S-111 Surface currents specification status

- -36 metadata entries
- -Supports point, point set, trajectory, grids, unstructured grids
- -Supports predictions, forecasts, observations
- -S-111 to be submitted to IHO members states in 2017

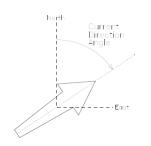
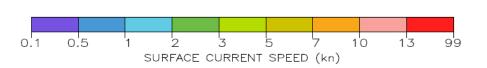


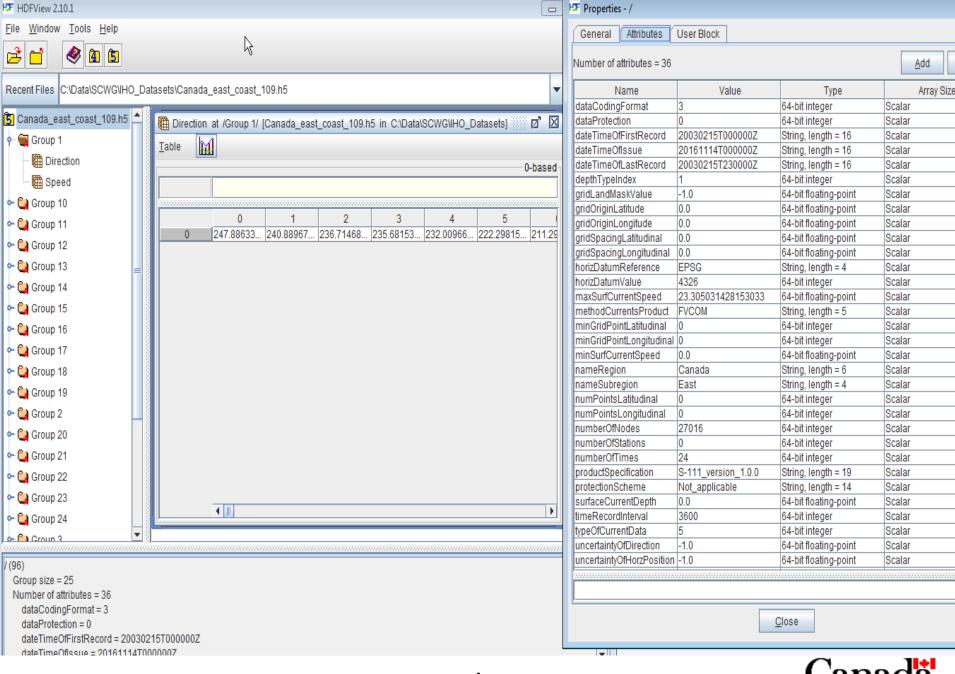
Table 9.1 – Speed ranges	(knots) and RGB colou	r values for the 9-step displa	y.
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Ston	Minimum	Maximum	Appx.	Colour Scale Intensity			Displayed
Step	Speed (kn)	Speed (kn)	Interval (kn)	Red	Green	Blue	Colour
1	0.10	0.49	0.4	118	82	226	
2	0.50	0.99	0.5	72	152	211	
3	1.00	1.99	1	97	203	229	
4	2.00	2.99	1	109	188	69	
5	3.00	4.99	2	180	220	0	
6	5.00	6.99	2	205	193	0	
7	7.00	9.99	3	248	167	24	
8	10.00	12.99	3	247	162	157	
9	13.00	99.99	87	255	30	30	

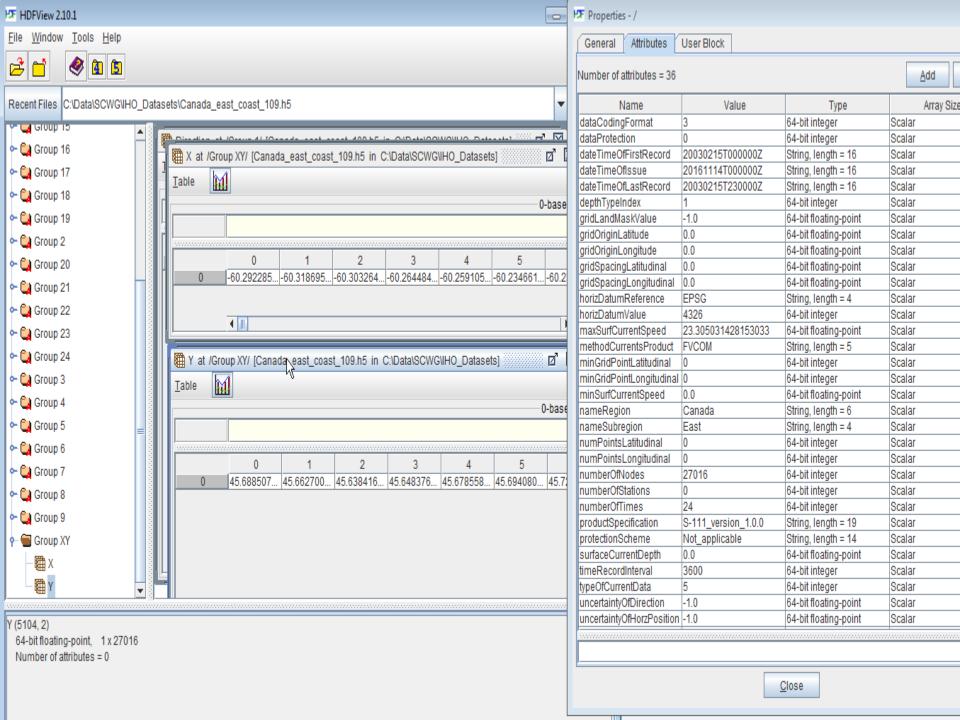
















## S-111 Tests Datasets on IHO website now

### US

### Time series at a few fixed locations

Fictive Data
4 stations
6 minutes interval

### Regularly gridded data

Lake Ontario 25 x 61 grid 6 hours of data

### Irregularly gridded data

Chesapeake Bay 1560 data points 6 hours of data

### Argo surface drifter data

Pacific 384 data points

### Canada

### **Hindcast of West Coast**

72963 data points 24 hours of data 30 Mo

### **Hincast of East Coast**

27016 data points 24 hours of data 10 Mo

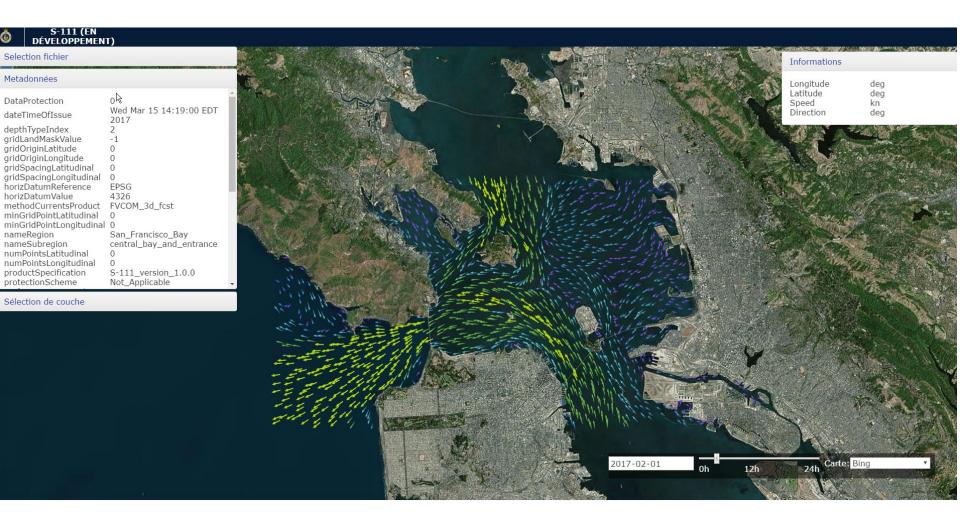
# 2017 Currents predictions of all stations in Canada

23 stations15 minutes interval12 Mo, comp. 1.5 Mo





# Use of Korea S-100 viewer and SLGO validator







# Use of Korea S-100 viewer and SLGO validator







Portrayal examples

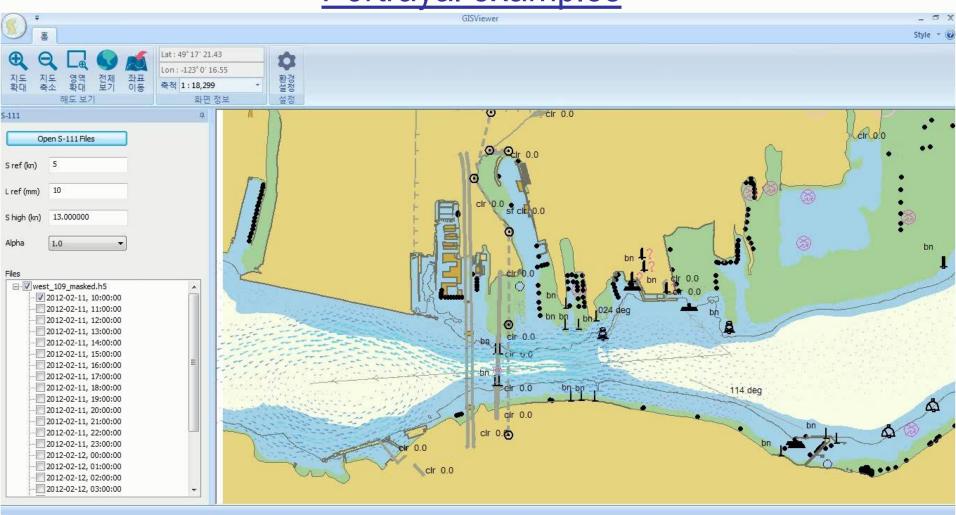








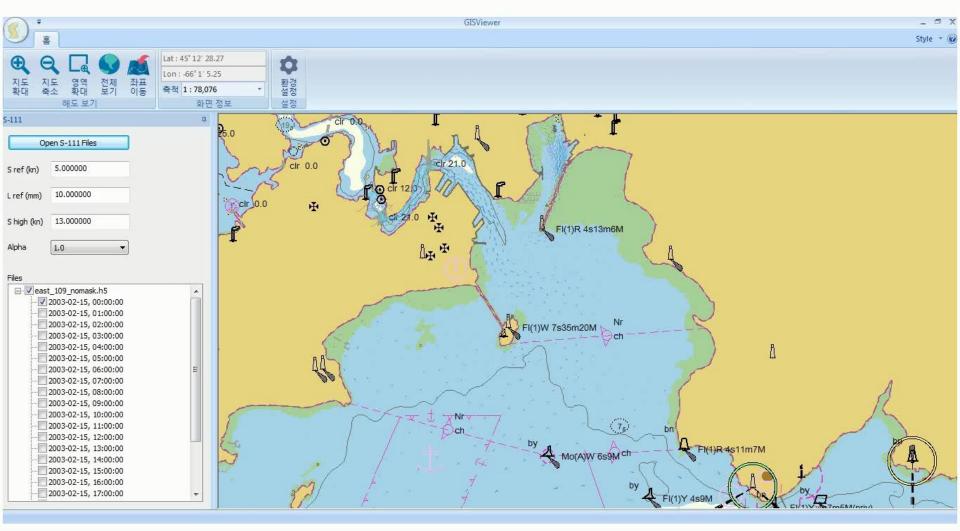
Portrayal examples







# Portrayal examples







# Next steps

- Discovery metadata
- Exchange set
- Transfer between HO and user
- Propose S-111 version 1.0 to members states
- S-104 encoding tests (recycle most of S-111)
   First S-104 test dataset was produced 2 weeks ago.
- CHS to support manufacturer work on S-111/S-102/S-104
- S-100 service delivery model (Business plan)
- Objectives of Canada's Ocean Protection Plan.
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