

GLORIA Education Workshop Madagascar  
Global Learning Opportunities for Regional Indian Ocean Adaptation

9am	<b>Introductions</b>	
	<b>Goals of workshop</b>	
	<b>Nature and Practices of Science and Ocean Literacy</b> <ul style="list-style-type: none"> <li>• Think Pair Share:</li> </ul>	
9:30-10:15	<b>How Learning Happens – Sand on Stage</b> <ul style="list-style-type: none"> <li>• Sand on stage (hands-on activity)</li> <li>• Reflect on what science practices/foundations of learning we were doing in this activity</li> <li>• The learning cycle</li> </ul>	
10:15-10:45	<b>Break</b>	
10:45-12:15	<b>Active Learning Instructional Designs: Climate Activities</b> <ul style="list-style-type: none"> <li>• The Carbon Cycle 3 stations hands on activity</li> <li>• Air and water temperatures demos (1.2)</li> <li>• Greenhouse in a bottle demo</li> <li>• Sea level rise (ice and heat) demos (3.5)</li> <li>• Ocean Acidification demo</li> <li>• Mystery Balloons demo (1.5)</li> <li>• Making currents demo (1.7, 3.7)</li> </ul> <a href="http://mare.lawrencehallofscience.org/curriculum/ocean-science-sequence/oss68-overview/oss68-resources">http://mare.lawrencehallofscience.org/curriculum/ocean-science-sequence/oss68-overview/oss68-resources</a>	
12:15-13:00	<b>Lunch Break</b>	
13:00-13:45	<b>It Takes All Kinds</b> <ul style="list-style-type: none"> <li>• Fish structure &amp; function (Hands-on activity)</li> <li>• Look for evidence of Learning cycle</li> <li>• Five foundations of learning</li> </ul>	
13:45 -14:00	<b>Q&amp;A, reflection and wrap-up – Ocean Literacy Info.</b>	