

PACE Applications Workshop 2023 Agenda

**Day 1: Wednesday September 6<sup>th</sup>, 2023**

<b>Time (EDT)</b>	<b>Title</b>
10:00a (20)	<i>Workshop Welcome &amp; Logistics</i> <ul style="list-style-type: none"> <li>• Host: Natasha Sadoff (NASA GSFC/SSAI)</li> </ul>
10:20a (10)	Engagement/Icebreaker Activity
10:30a	<b>Session 1: Welcome and Setting the Stage</b> <ul style="list-style-type: none"> <li>• Goals: <ul style="list-style-type: none"> <li>○ Introduce the workshop theme, goals, and objectives.</li> <li>○ Share results from the PACE Applications Program on user readiness assessments.</li> <li>○ Share key themes and best practices for advancing applications using new data streams.</li> </ul> </li> </ul>
10:30a (30)	<i>NASA Earth Science Leadership Perspective</i> <ul style="list-style-type: none"> <li>• Speaker: Dalia Kirschbaum (NASA GSFC)</li> </ul>
11:00a (30)	<i>PACE Applications Update: User Readiness</i> <ul style="list-style-type: none"> <li>• Speaker: Erin Urquhart (NASA GSFC/SSAI)</li> </ul>
11:30a (30)	<i>Applying Human-Centered Design to Data Science</i> <ul style="list-style-type: none"> <li>• Speaker: Bo Peng, IDEO</li> </ul>
12:00p (60)	LUNCH (60mins)
1:00p (5)	<b>Session 2: PACE Mission &amp; Science. Ready for launch!</b> <ul style="list-style-type: none"> <li>• Host: Erin Urquhart (NASA/SSAI)</li> <li>• Goals: <ul style="list-style-type: none"> <li>○ Provide an overview of the PACE Mission &amp; instruments.</li> <li>○ Update the community on the latest from the PACE Project Science disciplines.</li> <li>○ Provide a snapshot of PACE data and access via OB.DAAC, and next steps leading up to launch.</li> </ul> </li> </ul>
1:05p (30)	<i>PACE Mission Overview, Updates, &amp; Data Products</i> <ul style="list-style-type: none"> <li>• Speaker: Jeremy Werdell (NASA GSFC)</li> </ul>
1:35p (20)	<i>PACE I&amp;T, Status, Hardware Updates</i> <ul style="list-style-type: none"> <li>• Speaker: Mark Voyton (NASA GSFC)</li> </ul>
1:55p (20)	<i>PACE Data Access via the OB.DAAC</i> <ul style="list-style-type: none"> <li>• Speaker: Alicia Scott (NASA GSFC/SAIC)</li> </ul>
2:15p (45)	POSTERS (45mins)
3:00p (55)	<i>Panel: How PACE Discipline Scientists are Preparing for Launch</i> <ul style="list-style-type: none"> <li>• Moderator: Natasha Sadoff (NASA GSFC/SSAI)</li> <li>• Panelists:</li> </ul>

	<ul style="list-style-type: none"> <li>○ Brian Cairns (NASA GISS/Columbia Univ.): <i>Atmosphere and Air Quality</i></li> <li>○ Kirk Knobelspiesse (NASA GSFC): <i>Polarimetry</i></li> <li>○ Ivona Cetinic (NASA GSFC/MSU): <i>Ocean Biogeochemistry &amp; Bio-optics</i></li> <li>○ Amir Ibrahim (NASA GSFC): <i>Atmospheric Correction</i></li> <li>○ Cecile Rousseaux (NASA GSFC): <i>Level 4 products</i></li> <li>○ Fred Huemmrich (UMBC): <i>Terrestrial Science</i></li> </ul>
3:55p-4:00p	ADJOURN

## Day 2: Thursday September 7<sup>th</sup>, 2023

Time (EDT)	Title
10:00a (10)	<i>Day 2 Workshop Welcome &amp; Logistics</i> <ul style="list-style-type: none"> <li>• Host: Erin Urquhart (NASA GSFC/SSAI)</li> </ul>
10:10a (10)	Engagement/Icebreaker Activity
10:20a	<b>Session 3: User Readiness: Are YOU Ready for Launch?</b> <ul style="list-style-type: none"> <li>• Host: Erin Urquhart (NASA GSFC/SSAI)</li> <li>• Goals: <ul style="list-style-type: none"> <li>• Learn about tools, ideas, and best practices in preparation for PACE launch</li> <li>• Consider lessons learned in preparing for incorporating new datasets into applications</li> <li>• Explore topics related to interoperability, stakeholder engagement, and training</li> </ul> </li> </ul>
10:20a (20)	<i>Plenary: Lessons in User Readiness from the ICESat-2 Mission</i> <ul style="list-style-type: none"> <li>• Speaker: Sabrina Delgado-Arias (NASA GSFC/SSAI)</li> </ul>
10:40a (20)	<i>Preparing for PACE: How NASA Can Help</i> <ul style="list-style-type: none"> <li>• Speaker: Melanie Follette Cook (NASA GSFC)</li> </ul>
11:00a (20)	<i>Data Interoperability: How to Prepare your Tools for PACE Data</i> <ul style="list-style-type: none"> <li>• Speaker: Kimberly Hyde (NOAA Fisheries)</li> </ul>
11:20a (20)	<i>Stakeholder (re)Engagement: Training and Communication</i> <ul style="list-style-type: none"> <li>• Speaker: Ashutosh Limaye (NASA MSFC)</li> </ul>
11:40a (20)	<i>Q&amp;A and Discussion</i>
12:00p (60)	LUNCH & LOUNGE (60mins)
1:00p (5)	<b>Session 4: The “hows and whys” of PACE Data Integration</b> <ul style="list-style-type: none"> <li>• Host: Natasha Sadoff (NASA GSFC/SSAI)</li> <li>• Goals: <ul style="list-style-type: none"> <li>○ Learn about PACE simulated data and how to use it to prepare for launch</li> <li>○ Explore case studies about applications preparing for PACE data integration</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ Consider lessons learned from community members</li> </ul>
1:05p (25)	<p><i>Get Ready for PACE with Simulated Data</i></p> <ul style="list-style-type: none"> <li>• Speakers: Emerson Sirk (NASA GSFC/SSAI) and Meng Gao (NASA GSFC/SSAI)</li> </ul>
1:30p (10)	<p><i>Integrating Earth Observation Data: Coastal and Freshwater Ecosystems</i></p> <ul style="list-style-type: none"> <li>• Nima Pahlevan (NASA GSFC/SSAI)</li> </ul>
1:40p (10)	<p><i>Integrating Earth Observation Data: From Sargassum to Oil Spills</i></p> <ul style="list-style-type: none"> <li>• Chuanmin Hu (University of Florida)</li> </ul>
1:50p (10)	<p><i>Integrating Earth Observation Data: Aerosols, Weather, and Human Health</i></p> <ul style="list-style-type: none"> <li>• Marcela Loria Salazar (University of Oklahoma)</li> </ul>
1:50-2:10 (20)	<i>Q&amp;A and Discussion</i>
2:10p (25)	Networking Break + Lounge (25mins)
2:35p (10)	<p><b>Session 5: Onward and Upward: Transition &amp; Implementation</b></p> <ul style="list-style-type: none"> <li>• Host: Erin Urquhart (NASA GSFC/SSAI)</li> <li>• Goals: <ul style="list-style-type: none"> <li>○ Learn about successful transition and operationalization of projects and datasets to operation</li> <li>○ Consider important perspectives in successful and impactful applications</li> </ul> </li> </ul>
2:45p (20)	<p><i>The power of collaboration in creating and operationalizing beneficial NASA data, products, and tools</i></p> <ul style="list-style-type: none"> <li>• Speaker: Amber McCullum (NASA/Bay Area Environmental Research Institute)</li> </ul>
3:05p (45)	<p><i>Panel: Thinking Big on Transitioning Applications</i></p> <ul style="list-style-type: none"> <li>• Moderator: Kelly Luis (NASA JPL)</li> <li>• Panelists: Yaitza Luna-Cruz (NASA HQ); Blake Schaeffer (EPA); Raha Hakimdavar (Zyon Space); Kari St. Laurent (NOAA NESDIS)</li> </ul>
3:50p (5-10)	<p><i>Workshop &amp; Day 2 Closing</i></p> <ul style="list-style-type: none"> <li>• Host: Erin Urquhart (NASA GSFC/SSAI) and Natasha Sadoff (NASA GSFC/SSAI)</li> </ul>
3:55p	ADJOURN