



NASA EARTH SCIENCE DIVISION

APPLIED SCIENCES ADVISORY COMMITTEE

Dec 7, 2021: 11:00 a.m. – 4:00 p.m. ET

Dec 8, 2021: 11:00 a.m. – 3:30 p.m. ET

Dec 9, 2021: 11:00 a.m. – 4:00 p.m. ET

The meeting is entirely virtual – see the last page for teleconference information.

Summary Agenda – Final

Background

The Applied Sciences Advisory Committee (ASAC) serves as a community-based, multi-sector forum to discuss Earth science applications and provide strategic and programmatic guidance to the Earth Science Division (ESD) and the Applied Sciences Program. The ASAC provides analysis, findings, advice and recommendations to inform decisions on the programmatic scope, directions, and priorities regarding applied research, knowledge utilization, and applications.

Within ESD, the Applied Sciences Program focuses on expanding Earth science applications, building applications knowledge and capacity, and enhancing the applications value of satellite missions. There are some topics, such as data access and continuity, that are ongoing issues and cut across ESD overall.

Purpose & Objectives

The meeting serves to inform the ASAC of key issues facing ESD on applications, discuss key topics, formulate ASAC findings and recommendation, receive ASAC advice, and identify matters needing special analysis. The primary topics for this meeting include:

- Earth Science and Applied Sciences Program updates
- Applied Sciences Strategic Plan
- Applications and ESD Flight Program
- Private Sector Engagement
- Rewards Structures for Applications
- Applications and Open Source Science

The primary objective is to discuss efforts to broaden Earth science applications and to formulate findings and recommendations. A product of the meeting is a draft summary or outline of the ASAC's findings and recommendations.

Note: Information about audiovideo access to the meeting is at the end of this document.

Summary Agenda – Final

Day 1: December 7, 2021 • 11:00 am – 4:00 pm ET	<i>All Times ET</i>
<i>Set-up</i>	<i>10:40 – 11:00</i>
<u>Pre-Meeting: ASAC Annual Ethics Training</u>	11:00 – 12:00
Ethics Training (<i>Spear</i>)	
<i>Note: This is a closed session; the meeting opens to the public with Session 1.</i>	
<u>Session 1: Overview and Meeting Objectives</u>	12:00 – 12:10
Opening of Meeting (<i>Sylak-Glassman</i>)	
Introductions (<i>ASAC Members, Executive Secretary, Executive Recorder</i>)	
Welcome and Meeting Overview (<i>Friedl, Saah</i>)	
<u>Session 2: Earth Science, ESD, and Applied Sciences</u>	12:10 – 13:45
ESD and Applied Sciences Program Updates (<i>Friedl</i>)	
Status on ASAC Recommendations (<i>Friedl, Sylak-Glassman</i>)	
Questions & Discussion (<i>Led by Saah</i>)	
<i>Break</i>	<i>13:45 – 14:15</i>
<u>Session 3: Applied Sciences Strategic Plan</u>	14:15 – 15:25
Introduction to Topic (<i>Friedl</i>)	
Summary of the Strategic Plan (<i>Friedl/Sylak-Glassman</i>)	
Discussion (<i>Led by Saah</i>)	
<i>Break</i>	<i>15:25 – 15:35</i>
<u>Session 4: Public Comment Period I</u>	15:35 – 15:40
Public Comments (<i>Led by Sylak-Glassman</i>) – <i>extend time as needed</i>	
<u>Day 1 Synthesis</u>	15:40 – 15:55
Review Day 1 Outcomes, Findings, and Recommendations (<i>led by Saah</i>)	
Preview Day 2 Activities (<i>Saah, Friedl</i>)	
<i>Adjourn Day 1 of Meeting</i> (<i>Sylak-Glassman</i>)	15:55 – 16:00

Day 2: December 8 • 11:00 am – 3:30 pm ET	<i>All Times ET</i>
Set-up	10:40 – 11:00
<u>Opening of Day 2</u>	11:00 – 11:05
Opening of Day 2 (<i>Sylak-Glassman</i>)	
Day 2 Overview (<i>Saah</i>)	
<u>Session 5: ESD Flight Program and Applications</u>	11:05 – 12:05
Introduction to Session (<i>Friedl</i>)	
Flight Program Overview	
- <i>Charles Webb, Flight Program Director</i>	
- <i>Katie Boggs, Flight Program Deputy Director</i>	
Discussion (<i>Led by Saah</i>)	
<i>Break</i>	<i>12:05 – 12:15</i>
<u>Session 6: Private Sector Engagement</u>	12:15 – 13:30
Introduction to Topic (<i>Sylak-Glassman</i>)	
Guest Speaker	
- <i>Molly Dix, RTI International</i>	
Discussion (<i>Led by Saah</i>)	
<i>Break</i>	<i>13:30 – 14:00</i>
<u>Session 7: Reward Structures for Applications</u>	14:00 – 15:30
Introduction to Topic (<i>Friedl, Sylak-Glassman</i>)	
Guest Speakers	
- <i>Angela Bednarek, The Pew Charitable Trusts</i>	
- <i>Julie Vano, Aspen Global Change Institute & AGU Science and Society</i>	
<u>Session 8: Public Comment Period II</u>	15:30– 15:35
Public Comments (<i>Led by Sylak-Glassman</i>) – <i>extend time as needed</i>	
<u>Day 2 Synthesis</u>	15:35 – 15:55
Review Day 2 Outcomes, Findings, and Recommendations (<i>led by Saah</i>)	
Preview Day 3 Activities (<i>Saah, Friedl</i>)	
<i>Adjourn Day 2 of Meeting</i> (<i>Sylak-Glassman</i>)	15:55 – 16:00

Day 3: December 9 • 11:00 am – 4:00 pm ET	<i>All Times ET</i>
<i>Set-up</i>	10:40 – 11:00
<u>Opening of Day 3</u>	11:00 – 11:05
Opening of Day 3 (<i>Sylak-Glassman</i>)	
Day 3 Overview (<i>Saah</i>)	
<u>Session 9: Additional Discussion on Day 2 Topics</u>	11:05 – 11:45
Discussion (<i>led by Saah</i>)	
<u>Session 10: Applications and Open Source Science</u>	11:45– 13:00
Introduction to Topic (<i>Sylak-Glassman</i>)	
NASA and Open Source Science	
- <i>Kevin Murphy, NASA Science Mission Directorate (SMD)</i>	
Guest Speaker	
- <i>Christine Lee, NASA Jet Propulsion Laboratory</i>	
Discussion (<i>Led by Saah</i>)	
<i>Break</i>	13:00 – 13:30
<u>Session 11: Discussion with ESD Leadership</u>	13:30 – 15:00
Preparation for ESD Leadership Discussion (<i>30 min; led by Saah</i>)	
Discussion with ESD Leadership (<i>60 min; led by Saah</i>)	
<u>Session 12: Meeting Synthesis</u>	15:00 – 15:55
Meeting Outcomes, Findings, and Recommendations (<i>led by Saah</i>)	
Committee Report Development (<i>Led by Saah</i>)	
Future Meetings (<i>Led by Saah</i>)	
Meeting Wrap-up (<i>Saah, Friedl, Sylak-Glassman</i>)	
<i>Adjourn ASAC Meeting</i> (<i>Sylak-Glassman</i>)	15:55 – 16:00

Meeting Location and Call-in/Webex Information

The meeting will occur virtually only. Attendance at this meeting is available via WebEx Event Virtual Meeting Tool and via telephone (touch-tone required).

December 7

WebEx Virtual Meeting:

<https://nasaenterprise.webex.com/nasaenterprise/j.php?MTID=me61d04bf47d0feb4d00210e19c813e78>

Meeting number: 2760 060 0870

Meeting password: zJQ2qEPE\$72 (95727373 from telephone)

Telephone:

+1-929-251-9612 or +1-415-527-5035

Access code: 276 006 00870

December 8

WebEx Virtual Meeting

<https://nasaenterprise.webex.com/nasaenterprise/j.php?MTID=mf6ad435c075d9b5a71d15abcbb5c3aab>

Meeting number: 2763 891 6967

Meeting password: 2FMvwm2NU*5 (23689626 from telephone)

Telephone:

+1-929-251-9612 or +1-415-527-5035

Access code: 276 389 16967

December 9

WebEx Virtual Meeting

<https://nasaenterprise.webex.com/nasaenterprise/j.php?MTID=mce43600238b0e8a7393e2e6c286d3cb0>

Event number: 2761 822 5515

Event password: 63uHM2fmmm@ (63846236 from telephone)

Telephone:

+1-929-251-9612 or +1-415-527-5035

Access code: 276 182 25515

Federal Register Notice: [Link](#) or

<https://science.nasa.gov/science-red/s3fs-public/atoms/files/Published%20ASAC%20FRN%20Dec%20Meeting.pdf>