



Breakout groups will convene each day to examine themes and strategies that are relevant to the ALPS II Mission:

1. To survey progress in autonomous platforms and sensors for ocean research since the original ALPS meeting 13 years ago
2. To assess future prospects and challenges

Day 1, Tuesday, Feb 21

3–4 pm

With a particular focus on ALPS technologies,

- What lessons have we learned from the most important scientific breakthroughs enabled by ALPS?
- What technological, operational and scientific challenges have they identified?
- What new directions do these challenges point us toward?

Day 2, Wednesday, Feb 22

11am – noon

With a particular focus on ALPS advancing science on a global scale,

- Considering the past decade or so, what have been the most important scientific breakthroughs made possible by ALPS?
- What important lessons have been learned with respect to tackling scientific questions with ALPS?
- What are major new opportunities for ALPS to advance the science?
- What are the biggest scientific challenges and needs from ALPS technologies?

3–4 pm

With a particular focus on ALPS advancing science on a regional scale,

- Considering the past decade or so, what have been the most important scientific breakthroughs made possible by ALPS?
- What important lessons have been learned with respect to tackling scientific questions with ALPS?
- What are major new opportunities for ALPS to advance the science?
- What are the biggest scientific challenges and needs from ALPS technologies?

Day 3, Thursday, Feb 23

11 am – noon

With a particular focus on ALPS infrastructure and access,

- What are ALPS needs for a broader user base?
- What are effective strategies for broadening the ALPS user base, and lowering barriers to ALPS technology and deliverables?
- What are effective strategies for supporting the operation of ALPS for science missions? For operational observing?
- What are the most effective strategies for maintaining sustained support for development of new technologies and approaches?

3–4 pm

With a particular focus on integrating ALPS for forecast and other modeling needs,

- What have been important steps forward with respect to modeling and ALPS in the past ~decade?
- What are the modeling communities' biggest needs from ALPS, and vice versa?
- What are major barriers to effective use and integration of ALPS data, and what strategies can be effective in overcoming these barriers?

Day 4, Friday, Feb 24

Plenary

With a particular focus on the future of ALPS,

- What are broad visions for ALPS technology, capabilities, infrastructure, and user base in the next decade, and in the coming decades? Think big!
- Follow-up activities and recommendations.