

# SUMMARY OF RECOMMENDATIONS

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# *General Features of the Research Recommendations*

- Collectively identify data gaps in the literature; they are not findings of impacts;
- Linked to the ultimate goal of understanding and preventing/minimizing potential impacts to human and ecological health and well-being;
- Apply broadly to Appalachia and other regions.

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# *Summary of the Priority Research Questions*

- **Target better understanding of exposure, risk, and potential effects with an integrated research agenda**
- **Fall into three general subcategories:**
  - (1) stressor and exposure characterization
  - (2) health and well-being assessment
  - (3) evaluation of most-effective practices.
- **Research on stressor and exposure characterization interacts with and supports research on health/well-being**
- **Research on management practices supports preventing and/or minimizing impacts**

**An effective coherent research program should include this set of questions of overarching importance**

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# *Factors to Consider in Implementing the Research Agenda*

- **Parallel, sequenced and integrated** execution is key to achieving timely results and to supporting effective analysis of risk or health endpoints (*Time is linear, research is not!*)
- **Cross-cutting themes** should be acknowledged/considered
- Top priorities among the research questions vary somewhat by region, by decision-making contexts, by stakeholder
- Draft Research Agenda is intended to spur **cooperative research opportunities** for government, the oil and gas industry, nongovernmental organizations, academics and communities **for improving understanding of potential impacts and for minimizing/preventing them**



## *Relationship to Ongoing Research*

- Substantial concordance between the Committee's research questions and some research recommendations in the peer-reviewed literature
- Important ongoing research programs complement this draft Research Agenda, or fit within its framework
  - e.g., climate change research
  - e.g., oil and gas technology research to minimize adverse effects
- The Research Agenda should therefore be implemented in careful coordination with ongoing active research.



# *Looking Ahead to the Afternoon Session*

## **Overall:**

- Is the Agenda clear and understandable?
- Do the key priorities encompass the most important gaps?

## **More specifically** is anything:

- Missing? Out of place? Inaccurate? Improperly emphasized or out of balance?
- We welcome your suggestions regarding
  - Modifications needed and/or strengths in present version
  - Opportunities for effective and efficient collaborations

**The Committee will carefully consider your input along with the results of an upcoming peer review.**

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