Notional Outline for ABoVE Concise Experimental Plan (Short Version)

1. Introduction
2. Science Question(s)
3. Second tier science questions or themes for ABoVE
4. Overall Research Approach / Strategy (Top-level description of how we will address the ABoVE questions)
5. Research approach by science question / theme (optional?? Or combine with #3. above

→ It is possible we might want to have a chapter here to roll up / integrate the "requirements" that come out in each of the science question / theme sections above

6. Role of Remote Sensing (or could be so well integrated in the sections above it is unnecessary)
7. Scientific interactions and partnerships with other projects, studies, organizations (OR could be folded into implementation section below)
8. Implementation Strategy / Top-level Requirements
9. Concluding Chapter (optional?)

References

Appendices (optional)

Notional Outline for ABoVE Concise Experimental Plan (Long Version)

1. Introduction (2 pages)
   - Explain motivation and compelling imperative for an Arctic-boreal vulnerability study
   - "Define ABoVE", briefly explain development to date

2. Science Question(s) (2-4 pages)
   - Present overarching science question or/or top-tier science questions and explain them in some detail (e.g. paragraph)
   - Present the and explain the Vulnerability framework OR whatever "final integrating figure" we have
   - Explain how these will address the compelling imperative for an Arctic-boreal vulnerability study ("Compelling Rationale")

3. Second tier science questions or themes for ABoVE (?? Pages)
   - Present/describe each science question or theme and explain what is included and how it contributes to the whole of ABoVE
   - Explain what aspects of the compelling imperative for an Arctic-boreal vulnerability study are addressed
   - Briefly describe what types of research activity will be needed to address this question of theme (may or may not be needed separately here. . .)

4. Overall Research Approach / Strategy (Top-level description of how we will address the ABoVE questions) (~5 pages)
   - Study domain (spatial, temporal, sectoral?)
   - Observational strategy (what will be measured, where, how often and for how long, using what methodologies)
   - Scaling strategy
   - Data analysis approaches/strategy
   - Modeling approaches/strategy

5. Research approach by science question / theme (optional?? Or combine with #3 above. (>>? pages)

→ It is possible we might want to have a chapter here to roll up / integrate the "requirements" that come out in each of the question / theme sections above (it kind of depends on how much detail we get into and how much of it is prescribed versus left to the proposal/competitive process)

6. Role of Remote Sensing (or could be so well integrated in the sections above it is unnecessary)

7. Scientific interactions and partnerships with other projects, studies, organizations (OR could be folded into implementation section below) (2-3 pages, maybe more)
   - Explain what we have and how the interaction(s) is planned to work
   - Explain overall scientific approach to collaborations of all types, including those that might arise in the future

8. Implementation Strategy / Top-level Requirements (~5 pages)
   - Critical aspects of observational infrastructure and procedures
   - Critical aspects of data management
   - Rough Schedule of Events / Timetable
   - Training and Education (involvement of students, public outreach, etc.)

9. Concluding Chapter (optional?)

References (probably go light on these)
Appendices (optional)