SMART-CDR Competition – Guidance for Concept Paper

The narrative for Phase 1 should provide responses for each of the following four sections. The bullets below are only suggestions to guide the responses. Teams may decide which sections to focus responses. The individual sections do not have a word limit; however, the aggregate response to these four sections **must not exceed 2,000 words**, excluding captions, figures/graphs, or references. Teams may also include **up to three supporting images, figures, or graphs**, which are not included in the word count. Submissions can be in bullet or paragraph form, phrases, or complete sentences. Please include a word count at the end of the narrative. See the Official Rules document for evaluation criteria and other important information.

Section 1: Outline the CDR MRV challenge your team is attempting to solve.
- Identify which CDR approach(es) are relevant for your MRV project.6
- What are the key MRV challenges addressed by your MRV project? Consider including a brief literature review summary to support your response.

Section 2: Outline your MRV project and proposed work activities.
- Describe your team's solution for addressing the challenge(s) outlined in Section 1.
- What are the objectives of your project?
- What are the project boundaries (i.e., what will be included and what is outside of scope)?
- What are the methods and major activities that will be performed, and the timeline for performing them?

Section 3: Describe how your MRV solutions differs from and/or improves upon existing methods.
- What, if anything, currently exists that is similar to your proposed MRV solution but is insufficient?
- How does your team's solution build upon or improve existing MRV technologies or methods?
- What needs or gap(s) does your team's solution fill? How is your team's MRV solution novel and/or innovative?

Section 4: Discuss your predictions for the project and the potential impacts.
- What do you anticipate the results of your MRV project will reveal?
- Who are the end users (e.g., companies, governments, researchers, standards organizations, general public) of this project's findings?
- Can your project be scaled-up? What are the local, regional, and/or global impacts of the proposed solution? Is the project applicable globally, or does it have geographic dependencies?
- What are the technological, societal, and/or other benefits from successful development and implementation of your solution?
- Are there risks or unintended consequences to consider in your proposed MRV solution? If so, what are the corresponding mitigation strategies?