

AGNR Cornerstone Draft Submission Application

1. Title – The UMD *Resilient Adaptive Climate Technology ThinkTank (reACT TT): Purpose, Accomplishments and Future Directions*

2. Proposal abstract: reACT TT is a campus-wide initiative involving faculty, staff, and students collaborating with Maryland tribal communities, who are deeply committed to a dynamic transdisciplinary approach to sustainability that includes research, consultancy advice and education to internal and external stakeholders concerning climate change, regenerative design and renewable energy in urban environments and the building industry, and providing opportunities for action related to the University's Land Acknowledgment.

The reACT TT has its origins in the Department of Energy's (DOE) Solar Decathlon (SD) competitions. The goal of these competitions is to "challenge students to design and build high-performance, low-carbon buildings that mitigate climate change and improve our quality of life through greater affordability, resilience, and energy efficiency." (DOE website). reACT TT efforts at UMD revolve around a multi-disciplined, transformative effort to blend western technologies with indigenous knowledge to create environmental, economic, social, and cultural solutions in constructed landscapes and built environments.

ThinkTank goals and objectives include ensuring the resources and structure are in place for future SDs; overseeing the reconstruction of the 2017 award-winning building as a living laboratory; Decolonizing Education to Meet Climate Change Demands; collaborating on the One Health Campus initiative; and building a campus-wide, open, and inclusive response to critical issues that we must address immediately for the sustainable future of our built and urban environments.

The ThinkTank is affiliated with campus sponsors: College of Agriculture & Natural Resources; James A Clark School of Engineering; School of Architecture, Planning & Preservation; University Libraries; and the College of Education. These five academic units sponsored the 2017 and 2020 Team Maryland SD entry and have continued to support our efforts to advance our individual professional and UMD's shared commitment to environmental, cultural, social, and economic resiliency and justice for the future of humankind on this planet.

The goals of this panel are a) to highlight successes, review current projects and activities, and discuss future initiatives; and b) to obtain input and feedback from members of the AGNR community regarding opportunities for further collaboration.

3. Preferred track - Community Climate Resilience

4. Preferred delivery format

- Roundtable or Panel discussion

5. Primary author/presenter information (name, title/position, affiliation, email, phone)

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6. Co-author/presenter information or panel participants (name, title/position, affiliation, email).

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7. Primary author bio: Bill Hubbard is the Assistant Director and state Program Leader for environmental, natural resources and Sea Grant programs with University of Maryland Extension. In this capacity he has statewide administrative and programmatic leadership responsibilities for programs in areas such as watershed, water quality, climate, energy, forestry, aquaculture, wildlife, and home horticulture (including the Master Gardener, Master Naturalist, Home and Garden Information Center and Bay-Wise MG programs). He has held this position since January 2019. Before that he coordinated a southwide regional Extension forestry consortium as a faculty member at the University of Georgia. He also held a state Extension Forestry position at the University of Florida for 5 years and taught forest economics and management and urban forestry.

8. A PDF copy of the complete submission (.pdf formatted document including items 1-7 above)