

ASABE Global Initiative to Address Grand Challenges in Sustainable Food, Energy and Water Systems

The Global Initiative is an open forum to share strategies that address the grand challenges that the world faces today. The forum will provide an overview of the position paper *Global Partnerships for Global Solutions: An Agricultural and Biological Engineering Global Initiative* that outlines the challenges faced by our profession today. The forum will focus on the challenges of food security, energy security, and water security in the context of *sustainability* and *climate change*. Specifics of how ASABE, its members, and its partner societies will address these grand challenges as the year 2050 approaches will be presented. Presentations and discussion will also address the following goals:

1. *Improve food productivity.*
2. *Reduce food losses and waste.*
3. *Enhance energy conservation and efficiency.*
4. *Develop adaptable renewable energy systems.*
5. *Improve water availability, conservation, and efficient use.*
6. *Provide clean water for multiple uses.*

The format of this forum will consist of an overview of the *ASABE Global Initiative* and plans for the upcoming Global Food Security Conference (GFSC) in South Africa. Additional short presentations from different continents/regions of the world may be included. Finally, a panel and discussion will follow with a questions and answers segment.