

A Perspective on Presentation Content

The four budget scenarios being considered in the charge have highly constrained growth and the question that arises is which subset of existing priorities within FES-program sub-elements should be reduced or eliminated to make room for some new priorities and initiatives. Answering this question benefits from understanding the correlation between the required timing for optimal investment into a specific priority or science driver, the potential return on investment for realizing U.S. leadership, and the required facility scale-size for resolving the scientific, engineering, or technical issue. Each priority or science driver might be addressed by multiple options that are dispersed throughout the four-parameter space (time scale, size scale, potential for increased leadership, spectrum of priorities or science drivers) and the panel would like the speaker to characterize each initiative in this way if possible. White-paper authors could be helpful by characterizing each priority and initiative in this way. Certainly, all of the submitted priorities and initiatives will be dispersed across this parameter space. Rather than dictating a presentation style, his guidance serves merely to convey how the panel might be thinking about how to incorporate your initiative into the recommendations. The "initiatives" white paper is a good place for such a discussion if there is insufficient time in the 10-minute presentation. Below, a notional example of one program sub-element's seven priorities and initiatives. The numbers one through seven could correspond to the options for advancing the U.S. stellarator research, for advancing integrated multi-scale and multi-physics modeling, advancing toward a fusion nuclear science facility, etc.

