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# **WPEC Subgroup 45 Report**

**May 14-18, 2018**

**Morgan C White  
For the VaNDaL Collaboration**

# Kick-off meeting for first year

## Held Monday, May 14 of WPEC Week

- Strong attendance with participants from all five regional data projects representing more than a dozen institutes
- Efforts this last year have identified two key missions that have funding to support work on this project
  - The criticality safety community desires to use this work to help satisfy QA requirements for safety
  - The CIELO follow-on work desires to use this work, coupled with SG46 methods, to help in machine learning systems to help guide new evaluations
- Despite the focus on delayed-critical experiments, there remains a strong desire to work through the issues to make better use of other (sub-critical, reactor physics, shielding, pulsed sphere) experiments

# WPEC SG45 First Year Commitments

- Collect the input decks
  - We have commitments to provide repositories for MCNP, KENO, COG, MORET, and MVP
  - There was concern regarding control of these inputs and consensus emerged to use separate repositories controlled by the appropriate code group
  - ISSUE Some institutes have requirements that mandate they use an infrastructure hosted by NEA; we will need support to ensure this
- Define the layout and implement an initial repository
  - Formed a team responsible for unifying reporting, particularly naming
  - ISSUE changes in naming will require changes to existing data bases, e.g. DICE and NDaST, outside of the control of the SG
- Generate a prototype QA requirements specification and tools to help implement this process
  - Formed a team responsible who are highly motivated, that is they need this to help satisfy criticality safety QA requirements