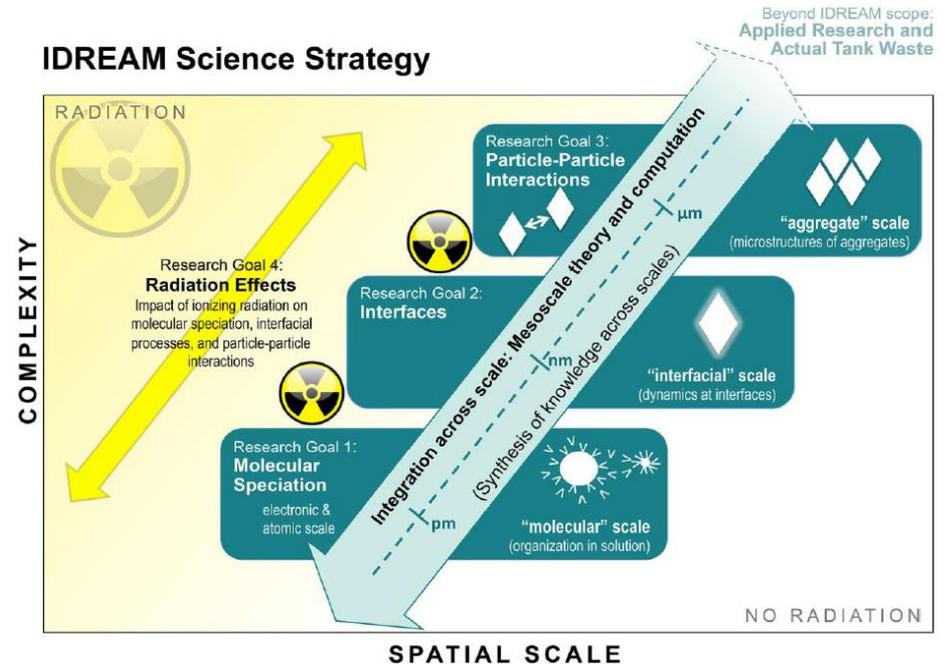


Interfacial Dynamics in Radioactive Environments and Materials (IDREAM)

Sue Clark (Pacific Northwest National Laboratory)

Mission: Master molecular-to-mesoscale chemical and physical phenomena at interfaces in complex environments characterized by extremes in alkalinity and low-water activity, and driven far from equilibrium by ionizing (γ, β) radiation.



RESEARCH PLAN

IDREAM is conducting fundamental studies to support innovations in processing high-level radioactive wastes (HLW). This work facilitates the transformation of HLW processing by elucidating the basic chemistry and physics required to control and manipulate interfacial phenomena in extreme HLW environments.