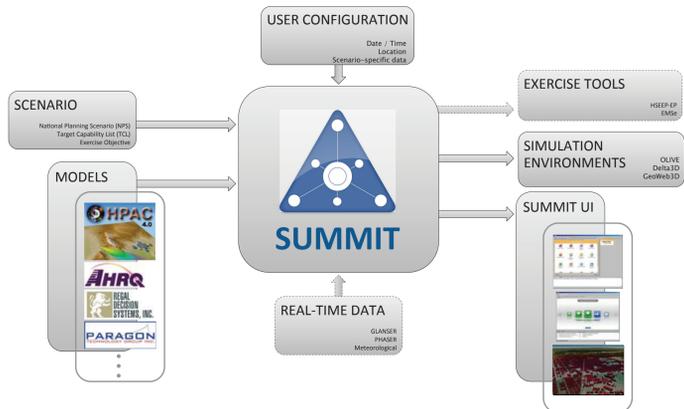




## Standard Unified, Modeling, Mapping, & Integration Toolkit (SUMMIT)



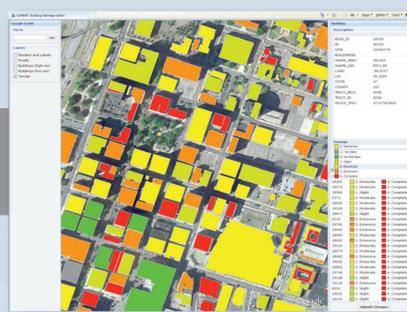
SUMMIT is a modeling & simulation software environment that enables analysts, emergency planners, responders, and decision makers to seamlessly access integrated suites of modeling tools & data sources for planning, exercise, or operational response. SUMMIT is being used in small and large-scale exercises to accelerate scenario planning, provide scientifically-grounded scenario data, and enhance the realism and common operating picture.



## SUMMIT in Action

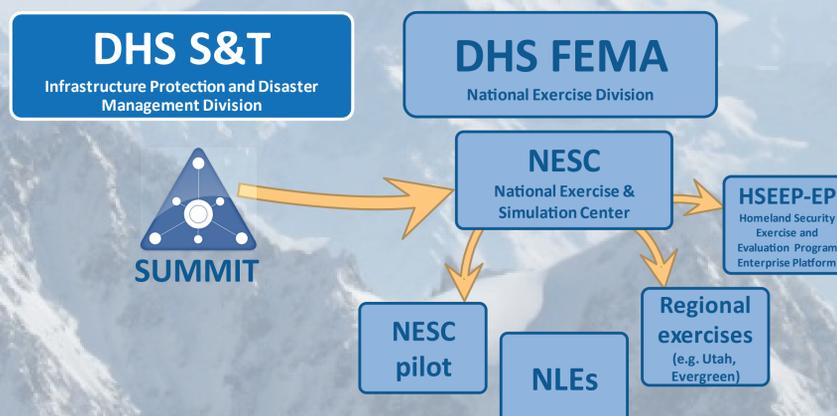
SUMMIT is providing next-generation exercise capabilities to the planning and conduct of federal, state, and local exercises. SUMMIT provides modeling and simulation (M&S) capabilities for developing a science-based scenario and injects as well as an integrated common operating picture for M&S results and data visualization capabilities, including mapping of modeled data. DHS S&T is partnering with the Federal Emergency Management Agency's (FEMA) National Exercise and Simulation Center (NESC) to pilot SUMMIT in National Level Exercises (NLEs) and regional exercises.

For NLE 11, SUMMIT piloted capabilities including a scenario adjudication tool that allowed planners to bridge the gap between a model-driven exercise with an objective-driven exercise, an iPad app that introduced next-generation immersive visualization tools for exercises, an innovative platform for generating integrated scenario data from linked models, and integrated visualization of scenario data to support the common operating picture.



## SUMMIT Transition

DHS S&T has partnered with the Federal Emergency Management Agency (FEMA) National Exercise & Simulation Center (NESC) to transition SUMMIT to an operational setting. The NESC is a congressionally-mandated exercise and simulation facility within FEMA Headquarters. The NESC's primary objectives include providing state-of-the-art modeling and simulation capabilities to support national, federal, state, local, and tribal exercises.



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