



U. S. Army Enhancement of Irregular Warfare Modeling & Simulation



U. S. Army Irregular Warfare Current Initiative

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Special points of interest:

- * **Army M&S IW AKO Collaborative site:** <https://www.us.army.mil/suite/portal.do?sp=604091>.



The United States Army is working on possible solutions to the many faceted aspects of Irregular Warfare. Some of the solutions are highly technical such as devices to detect and neutralize improvised explosive devices, intercept and interference of the insurgent communications, and to provide high quality data to populate modern simulations for training, testing and analysis. Recently many are less technical and are focused on gathering information (data) on the social science of interactions in and between insurgent groups. Information from the spontaneous groupings, including the cultural, ethnic and religious groups to the highly sophisticated formal governmental groups is being gathered. This data will be used to formulate

processes, provide decisional inputs and to expand the universality and utility of the simulations and models being used by the US Army professionals. Human Terrain Teams are being deployed to various contentious regions to collect data for social, cultural, ethnographic analysis and to provide insights on our enemies propensities all of which add to or assist in the military decision making process as well as contributing to the growing data bank of information on Irregular Warfare.



Cyber Warfare Methods and Concepts

Focused research on the ambiguity of perceptions propagated through our enemy's use of informational warfare and the ever adapting nature of irregular warfare particularly cyber warfare provides expanding information to de-

velop new methods to model or simulate these aspects of irregular warfare. The contentious nature of teaming by seemingly dissimilar groups of established insurgents offers another area for research and analysis that requires

unique data collection processes and complicated mathematical manipulation to eventually provide reliable modeling which may lead to significant breakthroughs in counter-insurgency operational methods and concepts. The use of

niche technology by insurgent groups provides ample work for those involved in this less technical although important arena.



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