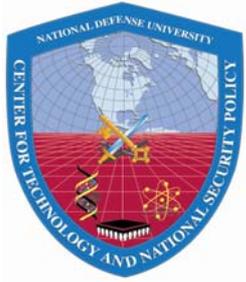


HSCB

Day 2 Outbrief
*Counterinsurgency Working
Group*



Counterinsurgency Working Group

Participants



Chair: Dr. Jack Goldstone

Co-Chair: CDR Brett Pierson

Dr. Barry Silverman

Dr. Stephen M. Shellman

Dr. Larry Kuznar

Dr. Conrad Crane

Mr. Al Sciarretta (ST)*

Dr. Chuck Barry (ST)

Ms. Lauren Lee (ST)

Mr. Michael Manno

Ms. Anne McGee

Dr. xxxxx Edwards

Dr. Jack Goldstone

Dr. David Garment

Dr. Al Sweetser

Dr. Mike Vlahos

Dr. Richard Pei

Mr. Paul Works

Dr. Lisa Moya

Dr. Dennis McBride

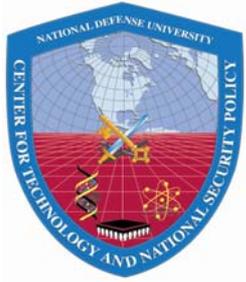
Dr. Victoria Romero

Dr. Richard Cunningham

Dr. Paul Wise

Dr. Roger Hillson

(ST) indicates Synthesis Team Member. (ST)* indicates Synthesis Team Lead



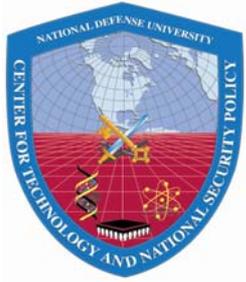
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Process & Content



- **Introductions**
- **Presentation : CDR Brett Pierson - “The Hairball that Stabilized Iraq: Modeling FM 3-24”**
- **Discussions**

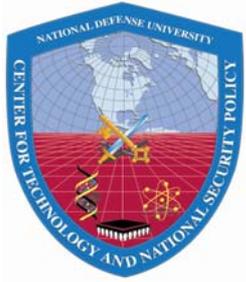
- **Additional Supporting Papers/Material**
 - **Dr. Jack Goldstone – “Modeling Macro-systemic Change for Counter-insurgency”**
 - **Muhammed Abdul Bari – “Homegrown terrorism 1: We must slay the mythical dragons of ‘Eurabia’”**
 - **Busso von Alvensleben – “Homegrown terrorism 2: Breaking the vicious circle of marginalisation and radicalisation”**
 - **Peter Turchin – “Arise ‘cliodynamics’”**
 - **FM 3-24**
 - **Al Sciarretta – COIN Use Case**



Counterinsurgency Working Group Key Discussion Points



- Additional information needed for COIN
 - Better definition of COIN
 - Include situation in which country has weak or no government
 - Coordinate definition with other related areas: counterterrorism, SSTRO
 - Terminology problem: Too many terms that overlap; have semantic inflation
 - Better understanding of need for COIN tools above/below brigades
 - How do we delineate which tools are for the right people
 - E.g., BDE Cdr needs a community model to see possible issues at his level
 - Solicit feedback from small units about information needs
 - FM 3-24 model is a higher level model, need simpler tools for small units
 - If we allowed people to look domestically at conflict, would we get farther along to build the methodologies and the underlying functions of the models
 - How would it be different for non-domestic modeling?

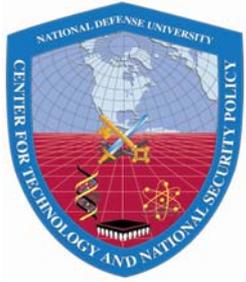


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Key Discussion Points



- FM 3-24 Model
 - Uses system dynamics to model COIN
 - Need to address agent-based models in the model
 - Has not been validated with real-world data
 - What type of research is needed to make this a practical tool?:
 - Not an enemy-centric model (e.g., Al Qaeda did a lot of things wrong)
 - Program is hard-wired from US viewpoint – if you don't get with the U.S. program then you're an enemy
 - Model has three terms that need FAR better definition *and* recognizable measures
 - Understanding and knowledge of social structures
 - Appropriate mix of effort and use of force
 - PSYOPS effectiveness
 - Need for understanding local legitimacy

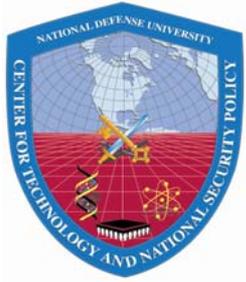


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Key Discussion Points



- FM 3-24 Model (continued)
 - Need better understanding of why/how people move in groups not as individuals from one state (e.g., neutral) to another (e.g., pro-government)
 - Need to understand the impact of criminal element
 - Need to include inter-Agency involvement (the DI_E pieces)
 - Need to design models to be able to handle more than one insurgency at a time
 - Non-state actors; religious sects; criminal
 - May attack each with a different line (military, diplomatic, economic)
 - FM 3-24 model is focused on reduction of violence – need other assessment of other insurgent actions and outcomes
 - Need to “unpack” what is included in “Support Insurgency”

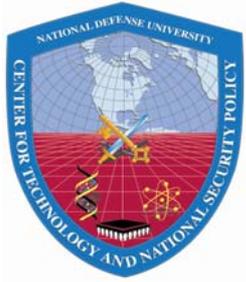


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Key Discussion Points



- HSCB Modeling Needs
 - Models that are
 - Tailorable
 - Updated within a resource repository
 - Complex and adaptive while running
 - Bounds for complex, adaptive models
 - MOPs and MOEs for assessing progress
 - Ability to model “trust”
 - Hybrid models with fine grain locations for addressing particular issues
 - A systems architecture so different models can inform each other
 - Ability to add “governability” in the analysis

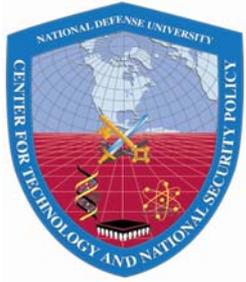


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Key Discussion Points



- HSCB Modeling Needs (continued)
 - Integration of data, models, and systems (how do the 4 clubs interact?)
 - Design to allow output of one model (e.g., agent-based) to feed the system dynamics of another system component
 - Need mapping of data across models
 - Include hand-shake across modeling modalities
 - Supporting data needs some agreed on and clearly defined objectives
 - Need cross-disciplinary understanding across modelers and social scientists
 - Need an integrated DIME model
 - Know how people will react to an action
 - Understand/know about social structures: leaders/networks/norms
 - Need bits and pieces of models that can be used by all and then build from there
 - Framework for tailoring the architecture

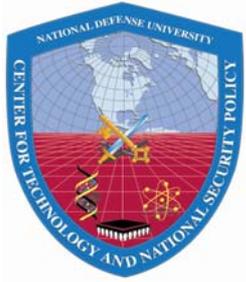


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Key Discussion Points



- HSCB Modeling Needs (continued)
 - Data
 - Collect data for broad preparedness in the world; for future conflicts
 - Need to identify data sources
 - How do we collect data on unknown future conflicts
 - What are the bounds on what we need to collect
 - Data on local social structures
 - Data standards, data storage, data mining, data extraction/discovery tools
 - Environmental data that influences HSCB
 - Besides get data from the field, where else
 - Open source data, incl. international (e.g., World Bank Quality of Governance, Swiss)
 - » E.g., CompanyCommander.com (now under AKO)
 - » Do research on blogs
 - From the field on debriefs – what data was most valuable? Missing?
 - Include medical data (e.g., HIV positive)

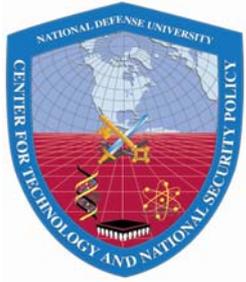


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Key Discussion Points



- VV&A
 - How do we VV&A tools in a world of competitive analysis
 - For example, joint output that opposes a Service may be discredited by a pro-Service SME
 - How to get something useful to a 3-Star that will withstand scrutiny
 - Need for better evidence-based assessment
 - Need access to social science people who WANT to help
 - How often do we update the model and VV&A it?
- Other considerations
 - Consider using psychologists from industry
 - Need to be more open about what we are doing – pos. image
 - Proceed with caution to prevent anti-DoD view
 - Need closer relationships with Non-DoD organizations and NGOs



Counterinsurgency Working Group Recommendations to NDU



- We have a long way to go in HSCB modeling
 - Fine grain models would be a good start rather than solving the world problem
 - Need to V&A pieces of models and measures first; only then can models be VVA'd.
 - Entertain proposals for models of parts of process: security, governance, services, training, economy as well as integrated models

Need our “team” input for
this slide