



LAWRENCE LIVERMORE NATIONAL LABORATORY

## JCATS Path Forward

2023 JCATS International Users Conference

PRESENTED BY:

Mark Piscotty
Conflict Simulation Laboratory APL

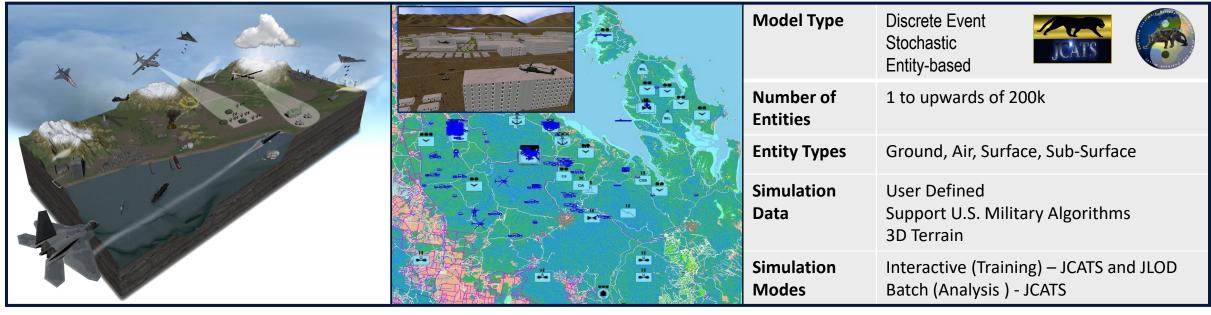
05 July 2023

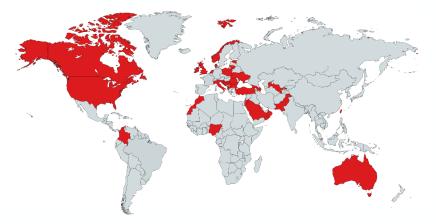




# Almost 50 years...









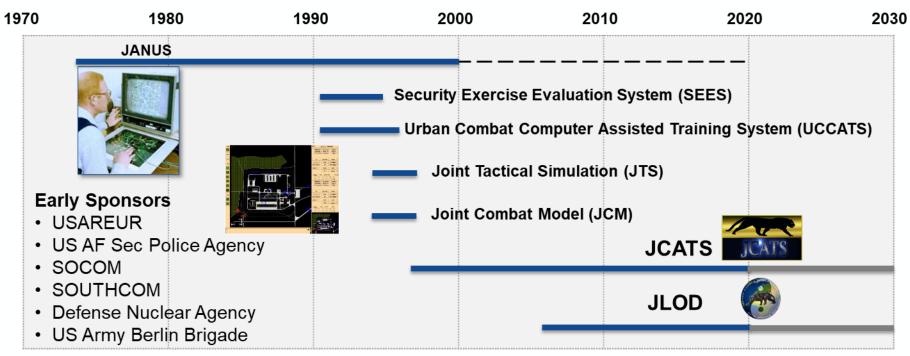






## Almost 50 years...







Marines Osprey Early-1980s (Janus)



Operation Just Cause Panama 1989 (JCM)



Operation Desert Storm Kuwait 1990 (JCM)

Israeli Defense Analyses 1990's (Janus)

Delta Force Red Team Germany 1991 (Janus)

Nuclear Site Security
AF Sec Police 1992 (SEES)

Combat Option Analyses Kosovo 1999 (JCATS)

**History Slide** 



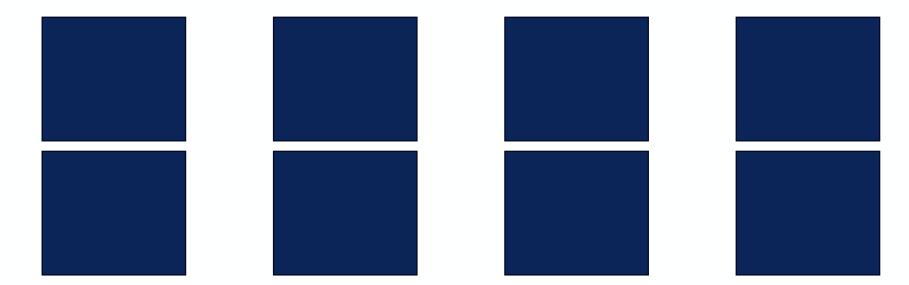


# Thrust areas for development...



#### **Potential Areas for Development and Expansion**

- Terrain Size
- Cyber
- Hypersonics
- Easier deployment and access
- Space
- Wargaming















































#### DISCLAIMER

This document was prepared as an account of work sponsored by an agency of the United States government. Neither the United States government nor Lawrence Livermore National Security, LLC, nor any of their employees makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States government or Lawrence Livermore National Security, LLC. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States government or Lawrence Livermore National Security, LLC, and shall not be used for advertising or product endorsement purposes.

