

# WEBINAR AGENDA

1:00 Welcome and relevance - Maria Cardiellos (Executive Director, IJIS)

1:10 Introduction to the new NIEMOpen – Katherine Escobar (PGB Chair)

1:20 The New NIEM

New NIEM Model Version 6.0 – Dr. Scott Renner (NTAC Co-Chair)

CMF/CMF Tool ( includes demo) – Dr. Scott Renner (NTAC Co-Chair)

API 2.0 – Dr. Scott Renner (NTAC Co-Chair)

NDR 6.0 and toolkit + future updates – Dr. Scott Renner (NTAC Co-Chair)

1:50 Future Architecture, role of Ontologies, and AI - Brad Bolliger (NTAC Co-Chair)

2:00 The future of NIEMOpen with OASIS – Jim Cabral (Acting Director OASIS)

2:10 NIEM on the ground – Maria Cardiellos (Executive Director, IJIS) TBD

2:20 New dimensions for NIEMOpen in ontologies – Carolyn Staats (Sonoma County)

2:30 The future, plans and resources – Katherine Escobar (PGB Chair)

2:35 Q&A (panel with Katherine Escobar, Maria Cardiellos, NBAC and NTAC Co-chairs)

3:-00 Close



# NIEMOPEN

Webinar

Introduction to the “new” NIEM Open Project  
22 May 2025

Stephen Sullivan

# INTRODUCTION TO THE NEW NIEMOPEN

- As NIEM celebrates its 20<sup>th</sup> anniversary its worth spending a little time reflecting on how far we've come:

Timeline image

# CURRENT SPONSORS



APN



equivant



# POTENTIAL FUTURE SPONSORS



Canada

Department of National Defense

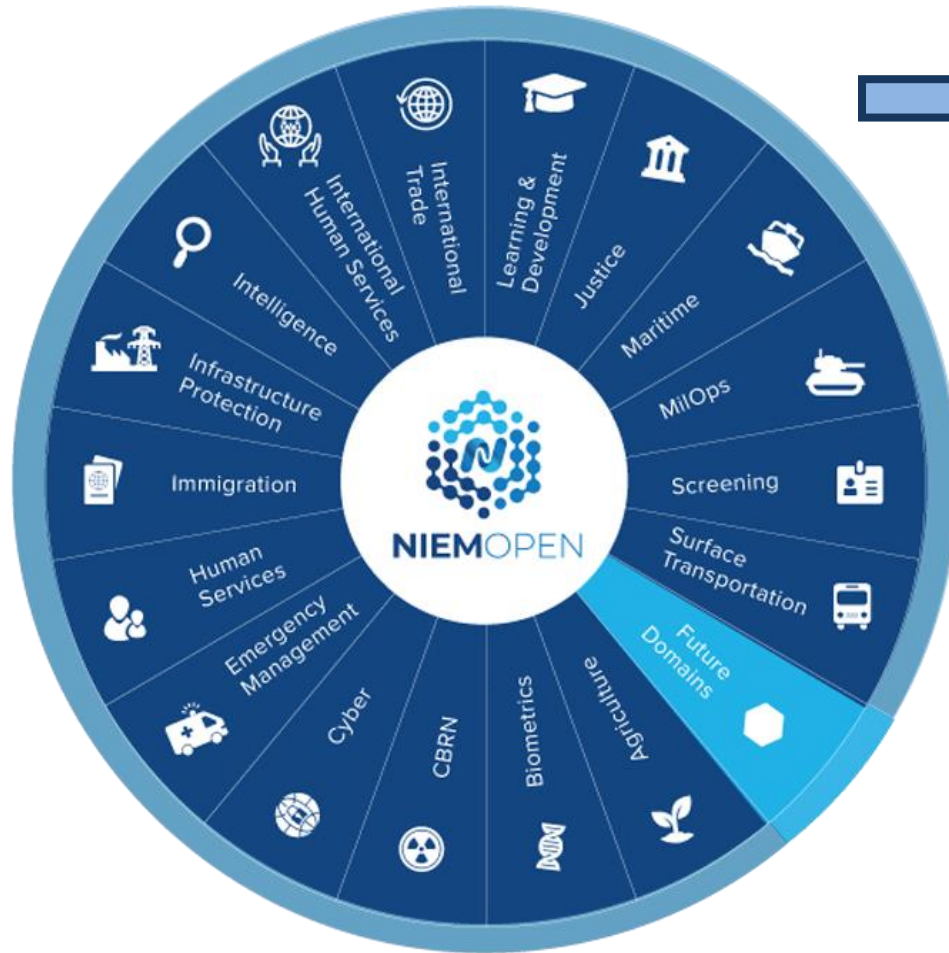


Microsoft

MITRE



# DOMAINS



- **17 Domains Plus Core**
- **3 Domains in the Offing**
  - Forensics
  - Analytical Laboratories
  - Identity Management
- **Other Interested Parties**
  - DISA
  - NATO

# WHAT OASIS OPEN PROJECT BRINGS TO NIEM?



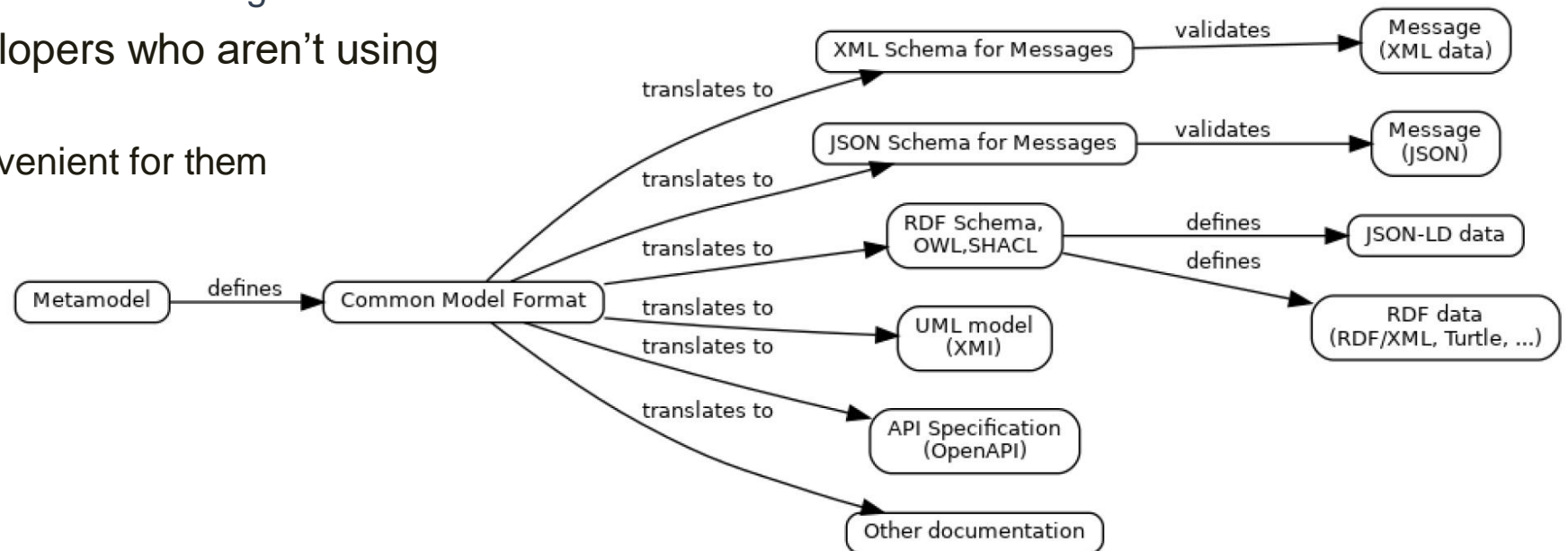
- NIEM Open Project recognized as accredited standard
- Improves International adoption
  - Preference to accredited standards
- Increased scalability and keeps pace with speed of innovations in data technologies and standardization to accelerate adoption and public-private exchange/interoperability
  - Sustainable
  - Aligns with Government Policy/Process/Procedure
  - Open Standard removes barriers – industry hesitation to participate, conflict of interest concern

# NIEM IN THE 21<sup>ST</sup> CENTURY

## Common Model Format (CMF)

- NIEM has always used XML Schema as its data modeling language
  - Model semantics formally defined via mappings to Resource Description Framework (RDF)
  - Mappings defined in the Naming and Design Rules
  - Convenient for designers and developers implementing XML-based data exchange
- NIEM now supports developers who aren't using XML
  - XML Schema is not convenient for them

- For NIEM 6, we created the NIEM metamodel and Common Model Format
  - Metamodel: A conceptual data model for the things we want to know about data models
  - CMF: A NIEM-based implementation of the metamodel... Just like any IEPD





# LEANING FORWARD INTO THE FUTURE

- Official Standard
- New Architecture
- New Model
- New Design Rules
- New Tools & APIs
- New Training/Learning Management System
- Embracing New Technologies
  - AI
  - Knowledge Graphs
  - Ontologies
- Support for Other Standards
- Outreach to Industry and International Partners







# NIEMOPEN

Webinar  
NIEMOpen Future  
22 May 2025

Stephen Sullivan

# THE NIEMOPEN FUTURE

## Why Choose NIEMOpen

- Recognized Standard
- Flexible & Adaptable Architecture
- Robust AI Support
- Host for Emerging Technologies
- World Class Accredited Training
- Cutting Edge Tools
- International Footprint
- Industry and Government Choice
- Expanding Community of Interest
- Sustainable Infrastructure & Growth



# RESOURCES/CONTACT US



[oasis-open.org](https://oasis-open.org)



[niempen.org](https://niempen.org)  
[niem.gov/](https://niem.gov/)



Latest Model Specification v6.0 PS02  
[GitHub - niemopen/niem-model: The NIEM reference data model](#)



## Git Repos

[github.com/NIEM/NIEM.github.io](https://github.com/NIEM/NIEM.github.io)

NIEMOpen: [github.com/niemopen](https://github.com/niemopen)

NTAC TSC (admin): [github.com/niemopen/ntac-admin](https://github.com/niemopen/ntac-admin)

NBAC TSC (admin): [.../nbac-admin](https://github.com/niemopen/nbac-admin)

NMO TSC (admin): [.../nmo-admin](https://github.com/niemopen/nmo-admin)



## Groups & Mailing Lists

NIEMOpen: [lists.oasis-open-projects.org/g/niemopen](https://lists.oasis-open-projects.org/g/niemopen)

NTAC TSC: [.../niemopen-ntactsc](https://lists.oasis-open-projects.org/g/niemopen-ntactsc)

NBAC TSC: [.../niemopen-nbactsc](https://lists.oasis-open-projects.org/g/niemopen-nbactsc)

NMO TSC: [.../niemopen-nmotsc](https://lists.oasis-open-projects.org/g/niemopen-nmotsc)

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