



Introduction to the “new” NIEM Open Project

22 May 2025

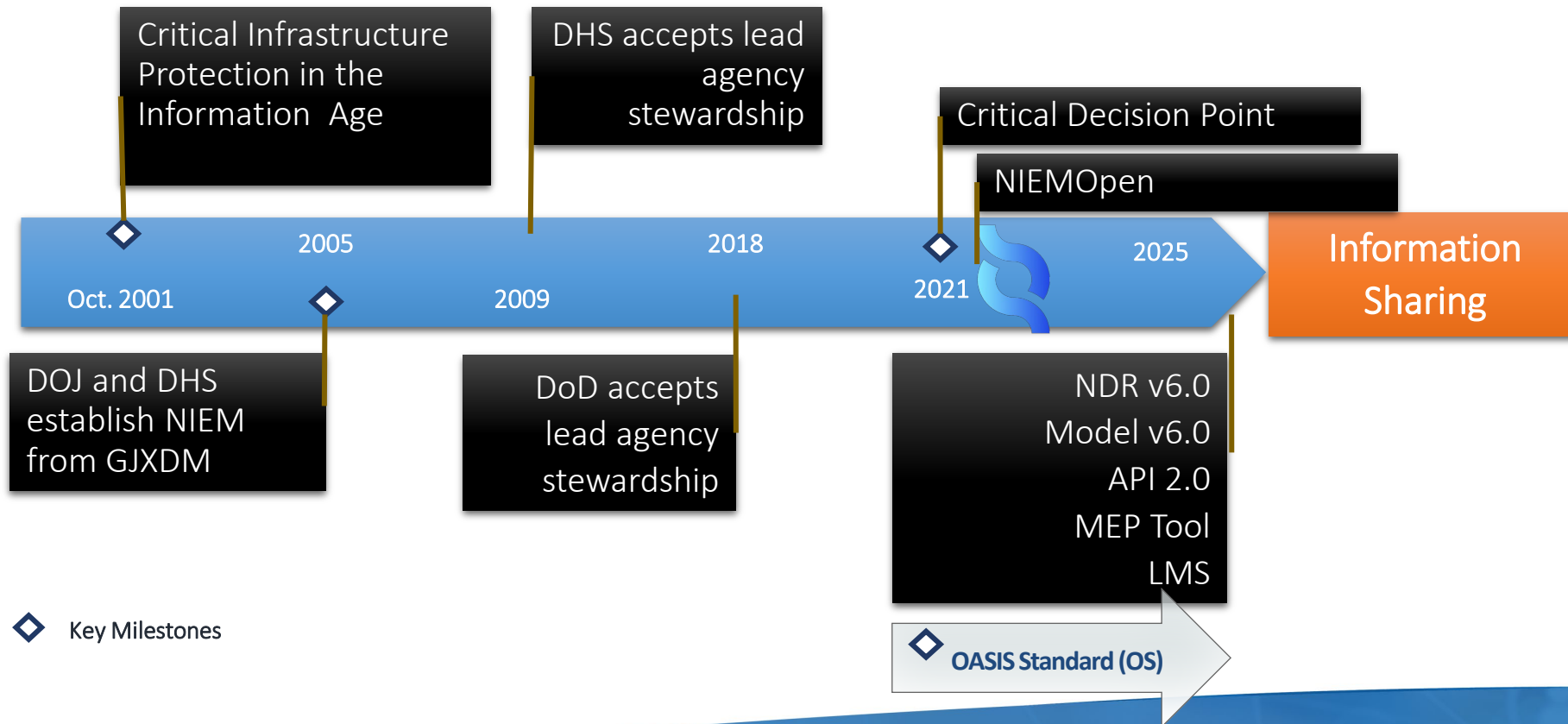
Katherine Escobar
Chair, NIEMOpen

Webinar Agenda

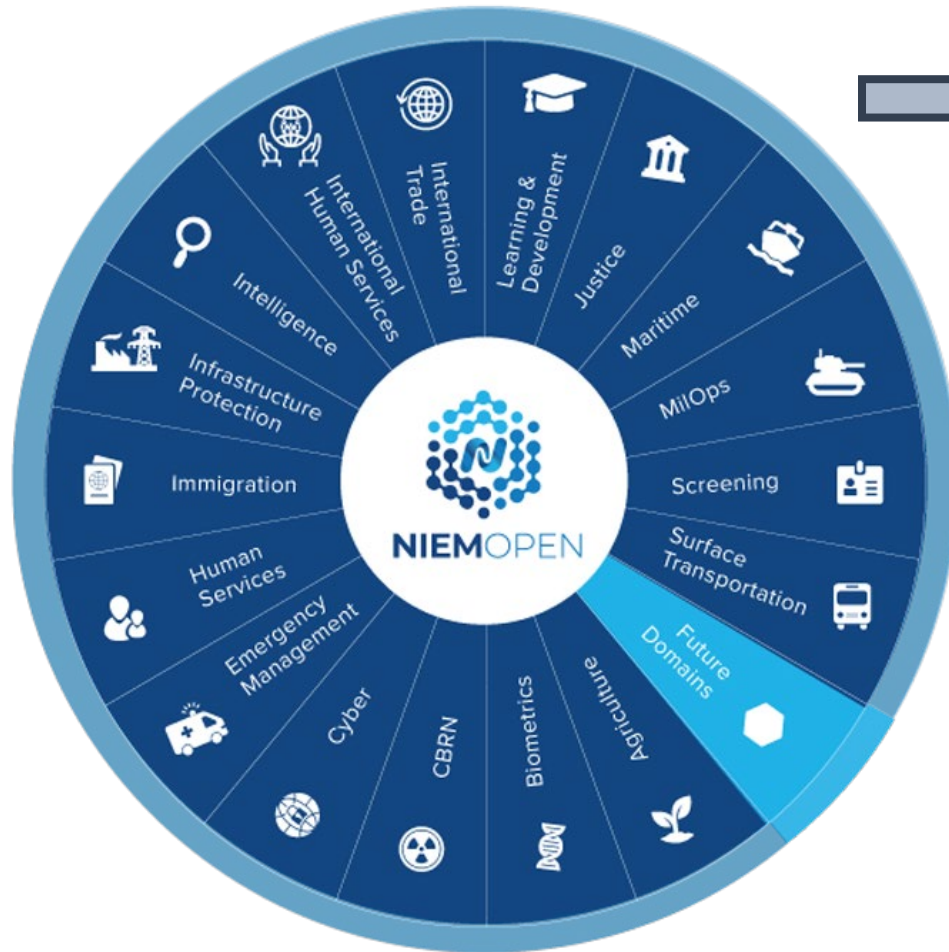
- 1:00 Welcome and relevance - Maria Cardiellos (Executive Director, IJIS)
- 1:10 Introduction to the new NIEMOpen – Katherine Escobar (PGB Chair)
- 1:20 The New NIEM
 - CMF/CMF Tool (includes demo) – Dr. Scott Renner (NTAC Co-Chair)
 - API 2.0 – Dr. Scott Renner (NTAC Co-Chair)
 - NDR 6.0 and toolkit + 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 – Tammi Blackstone, JD (Iowa Integrated Justice Coordinator), Jim Pingel (Mission Critical Partners)
- 2:20 New dimensions for NIEMOpen in ontologies – Paul Wormeli, Carolyn Staats (Director of Innovation, Sonoma County), Jodi Leveque (Assistant CEO, Sonoma County Courts)
- 2:30 The future, plans and resources – Katherine Escobar (PGB Chair)
- 2:35 Open Discussion/Q&A (Katherine Escobar, Maria Cardiellos, NBAC and NTAC Co-chairs)
- 3:00 Close

Introduction to the new NIEMOpen

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



DOMAINS



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

NIEMOpen Current Sponsors

11 Sponsors, 3 Premier

- Sponsors

- JS J6
- DHS S&T
- CJIS (FBI)
- GTRI
- Equivant
- NAIJS
- BJS
- IJIS
- NIJ
- APN
- ODGA (Virginia)



Premier



Homeland
Security
Science and Technology

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Premier



equivant



All Purpose Networks, Inc.



Sponsors in the Offing



MITRE



Senzing



Mission
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Department of National Defense

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CODE for
AMERICA

Nlets

NIST
National Institute of
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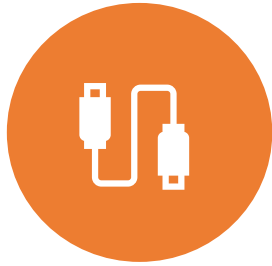


NENA
THE 911 ASSOCIATION

G.L.O.B.A.L.
JUSTICE

ijis
INSTITUTE

What can an Open Project do?



Utilize the same tools and infrastructure to develop open source and standards.



Leverage a wide network of experts and stakeholders to inform strategic decisions.



Iterate quickly while taking advantage of thorough, best-practices process.



Attract a bigger community of contributors with clear, open, transparent governance.



WHAT OASIS BRINGS TO THE TABLE

What you get
(and don't get)
**with Open
Projects**

~~High cost of a Foundation~~
Stakeholder governance

~~Legal headaches, IPR obstacles~~
Industry-vetted IP licenses, support

~~Fractured development efforts~~
Unified community

~~Ignored by government procurement~~
International recognition

~~Opaque rules and processes~~
Transparent tools, support, best practices

Why OASIS?



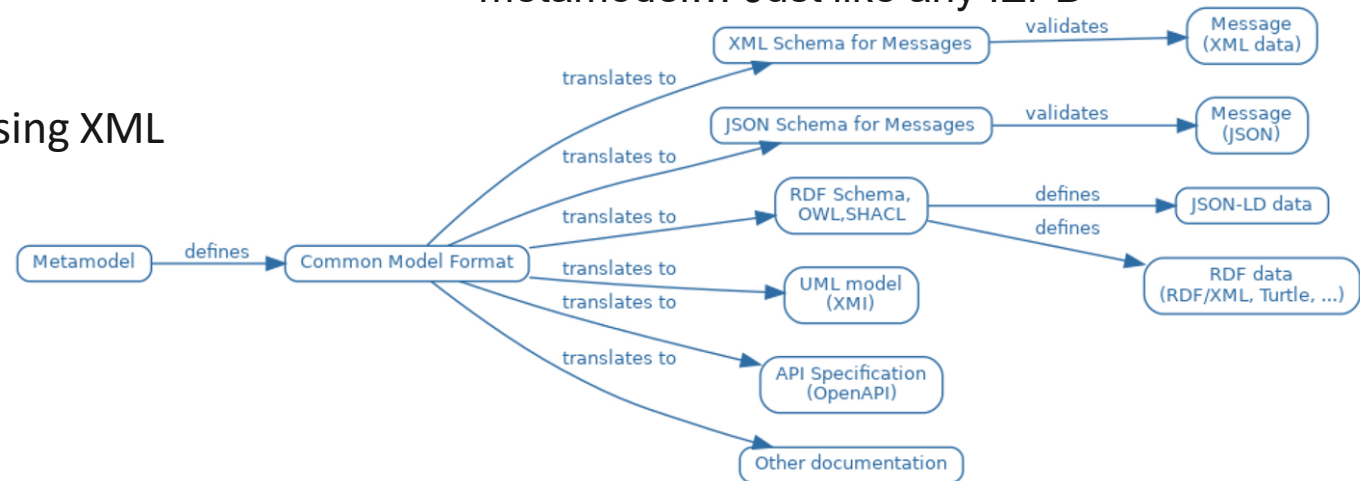
- NIEM Open Project recognized as accredited standard
- Improves International adoption
 - Preference to accredited standards
- Increased scalability and keeps pace with speed of innovations in data technologies and standardization to accelerate adoption and public-private exchange/interoperability
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

NIEM in the 21st 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 Future

22 May 2025

Katherine Escobar
Chair, NIEMOpen

The NIEMOPEN Future

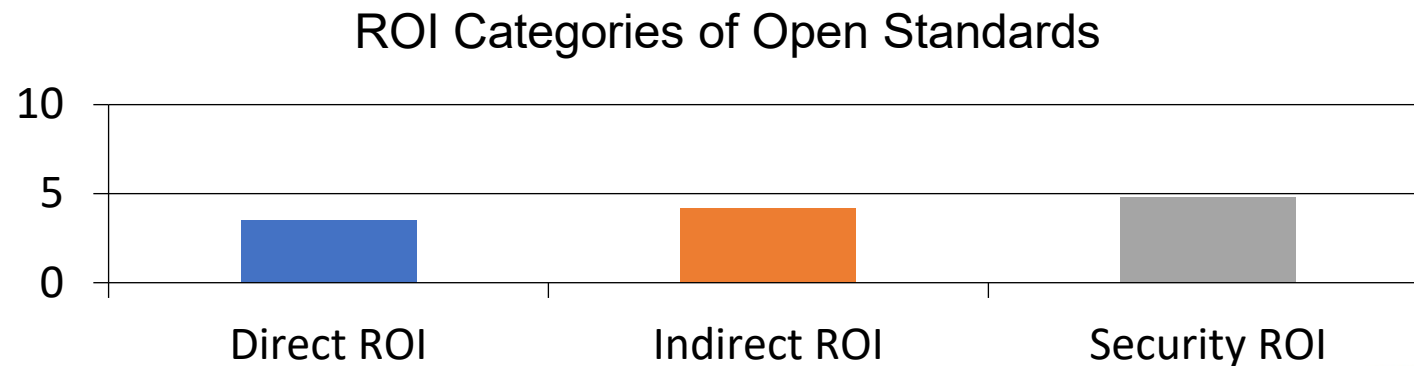
Why Choose NIEMOpen

- 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



ROI of Open Standard Investment

- Direct Returns: Increased interoperability, reduced costs, vendor diversity.
- Indirect Returns: Spurs innovation, enhances security, accelerates compliance.
- Example: NIST & FIPS investment led to globally adopted cryptographic standards.





Conclusion

- Investing in NIEMOpen isn't a cost — it's a strategic advantage.
- Now is the time for Federal, State, Local and Industry leadership.

Let's shape the future, not just comply with it.

Sponsor NIEMOpen



Resources/CONTACT US



oasis-open.org



niempen.org

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

NIEMOpen: github.com/niemopen

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

NBAC TSC (admin): [.../nbac-admin](#)

NMO TSC (admin): [.../nmo-admin](#)

Groups & Mailing Lists

NIEMOpen: lists.oasis-open-projects.org/g/niemopen

NTAC TSC: [.../niemopen-ntactsc](#)

NBAC TSC: [.../niemopen-nbactsc](#)

NMO TSC: [.../niemopen-nmotsc](#)

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