

Ontology Summit 2022
Pandemics and Other Disasters
Communique Framework v1

Logo Diagram (To Be Done)

Contents and Bullet points

1. Abstract – (to avoid preemption - to be developed after document is near final)
2. Background
 - 2.1. Pre-Summit discoveries of ontologies relating to Disasters, UNDRR and other disaster frameworks (e.g., Europe, Asia) <https://bit.ly/3bcasCN> and <https://bit.ly/3xHwlkZ>
 - 2.2. Launch material: Ravi <https://bit.ly/3yarjis> and All - <https://bit.ly/3xIV2xE>
3. Introduction -Bring out following:
 - 3.1. Common and different Landscape Parameters and Landscape ontologies
 - 3.2. Roles of domain knowledge and ontologies
 - 3.3. Other high level introductory inputs.
4. Tracks Narrations <https://bit.ly/3zVdgia>
 - 4.1. Track 1: Disaster Landscape

??? OGC <https://bit.ly/3G8FUvK> 2021 Disasters Pilot Combines Health and Supply chain

Mark Fox "ISO/IEC WG11 Data Standards for Public Health Emergencies and Related Ontologies". <https://bit.ly/35ayATy>

Cycorp Dr Doug Lenat <https://cyc.com/platform/> and <https://cyc.com/products/> about Ontology Infrastructure

Krzysztof Janowicz Knowledge Graphs and Disaster Mitigation <https://bit.ly/3vi8pUg>

Andrew Dougherty - Personal Emergency Management using the Free Life Planner <https://bit.ly/3MkaXbf>

Yolanda Gil Ontologies for Exploring Interventions for Disaster Preparation and Response <https://bit.ly/3M1CJcO>

Mark Underwood Challenges in Ransomware Recovery - Paying for the Absence of Micro-ontologies in Cybersecurity <https://bit.ly/3ykg1sd>

Ken Baclawski What is Risk? <https://bit.ly/3NdWJde>

Matthew West, OBE Whence Disasters see Synthesis session video recording

Synthesis session recording <https://bit.ly/3OzAm1V>

Whose definitions of disasters and parametrics, ontology?
 - 4.2. Track 2: Pandemics

COVID-19 Knowledge Graphs (only Video <https://bit.ly/3GEQydy>) - Chris Mungall and Justin Reese

Asiyah Lin Post-workshop Report of WCO-2020: Workshop on COVID-19 Ontologies <https://bit.ly/3MqscZu>

Michael DeBellis Semantic Technology and the COVID-19 Pandemic <https://bit.ly/3w5ZQ0X>

Biswanath Dutta CODO: an ontology for collection and analysis of multiparadigm COVID-19 data <https://bit.ly/3tClkTD>

Mariya Evtimova-Gardair - Semantic agents system for personalized searching for COVID information <https://bit.ly/3igGA8w>

Kenneth Baclawski Overview of the Pandemics Track <https://bit.ly/3HuLFV9>

Ken Baclawski Pandemics Track Summary <https://bit.ly/3LsGMOv>

4.3. Track 3: Environment Disasters

Dave Jones and **Karen Moe** ESIP Cross-Domain Collaboratory: Challenges and Opportunities <https://bit.ly/3LMGKS4>

(Only those in recording) Each of the clusters we have invited to speak for 3-4 minutes include:

Ag&Climate - Brian Wee, MassiveConnections

Air Quality - Steve Young, Innovate, Inc.

EnviroSensing - Scotty Strachan, University of Nevada Reno

Data Readiness – Douglas Rao, NOAA

Information Quality - Bob Downs, SEDAC

Moving from data to interoperable information and knowledge in climate research <https://bit.ly/3KrbsPf>

Magagna/S.Schindler: How to make climate research interoperable with I-ADOPT from field observation to data publication

J.Barrott/S.Bharwani: How to make knowledge interoperable: examples from weADAPT and the Connectivity Hub

Dr Ravi Sharma - Earth Observations to monitor disasters - sensors, platforms, image-data and metadata <https://bit.ly/3OR533D>

HSM Prakash, Ph. D. Geological Truth behind Climate Change <https://bit.ly/3xlv16b>

Environmental Disasters (Synthesis Track 3) <https://bit.ly/3OZrBza>

4.4. Track 4: Aerospace/Maritime Disasters

Dr Ravi Sharma - Earth Observations to monitor disasters - sensors, platforms, image-data and metadata (15-20 minutes) (Shared with Track 3 above)

Scott M Hull, NASA GSFC -Maryland Potential Space Disasters, and What We Can Do to Prevent Them <https://bit.ly/39yfjxv>

Robert Rovetto - Space Hazards and Space Ontology (video Recording) <https://bit.ly/3Gw7qxC>

Dr. Ravi Sharma - Particles Released In Space During Apollo Missions (Slides to be loaded)

Robert Rovetto - Co-Champion, Overview Of Track 4 - Space Environment (Synthesis Track 4) <https://bit.ly/3aZIzh6>

5. Analysis (to be performed after the Communiqué is drafted as above)
 - 5.1. Common and different ontologies
 - 5.2. Common and different domain knowledge and models
 - 5.3. KGs and other tools where used (Cyc, Protégé, Patterns)
 - 5.4. Discoveries
6. Challenges (Gaps and Future directions) and Conclusions

References