WEDNESDAY JULY 27, 2022



10:00 A.M. - GENERAL SESSION



WELCOME REMARKS

ns and Outreach Lead, Convergence Accelerator, NSF



D1

ACCELERATING CONVERGENT SOLUTIONS FOR SOCIETAL IMPACT

10:45 A.M. - BREAK

11:00 A.M. – LIVE BOOTH PRESENTATIONS BEGIN

OKN INFRASTRUCTURE Open Knowledge Network Tools For Developers Reskilling Workers At The Speed Of Business **SKILLSYNC**

Enabling Scalable Cold Atom Quantum Computing With Integrated Photonics

AI-GRID Al-Enabled Programmable Networked Microgrids

SEAFOOD TRACER Seafood Sustainability From The Source

E5 Finding Your Place In The Blue Space

ANALYSIS AND RESPONSE TOOLKIT FOR TRUST

FOR TRUST Building Trust Through Community

KNOW WHERE GRAPH

A Knowledge Graph for Enviror Intelligence Applications

QUANTUM SENSORS

CRIPT Bringing The Age Of Information To Polymers

CATCCH Informed Decisions For Fishery Sustainability

BLUE GAP Bridging Communities Upstream And Downstream **E6**

> TRUSTFINDER Restoring Confidence In Digital Interaction

SEARCH LIT Human Technologies For Mitigating Misinformation F6

BURNPRO3D D3

Fighting Wildfires Proactively With WIFIRE Commons

NEREID BIOMATERIALS Biodegradable Plastics For Tomorrow's Ocean

E7 Smart Aquaculture. Sustainable Future.

EXPERT VOICES TOGETHER

FUTURE BLUE

Actionable Climate Insights For The Blue Economy

DIGITAL REEFS E8 Digital Reefs At Your Fingertips

WISEDEX Enabling Fast, Comprehensive Misinformation Enforcement

12:00 P.M. - BREAK

1:00 P.M. - GENERAL SESSION CONTINUED

F2



CONVERGENCE ACCELERATOR PANEL DISCUSSION

1:30 P.M.

URBAN FLOODING OKN AnyOne, AnyTime, AnyWhere

SCALES

Transforming The Accessibility And Transparency Of Federal Courts

BIOMEDICAL OKN Connecting The Dots To Advance Precision Medicine For Everyone

D4

Learning Environments For Augmenting Next-Gen Emergency Responders

LEARNER

Launching An Equitable Solution To The Quantum Workforce Bottleneck

COMPUTING THE BIOME

iCATCH E9

BACKYARD BUOYS E13 vned, Globally Connected, Building Resilience

COMMUNITY CREDIT F7

DART ractice, Protect Yourself

Quantum Networks To Connect Quantum Technology

HYDROGEN A Machine Learning Platform For Hydrologic Scenario Generation

FISH LAT

Enhancing Fisheries, Informing Offshore-Energy Decisions E10

TIDEPOOL DIGITAL Connecting Data For Ocean Insight

COURSE CORRECT F8 Against Misinformation

CO-INSIGHTS Fostering Community Collaboration To-Combat Misinformation F12

PRECISION EPIDEMIOLOGY

E11 Recycling To Restore The Coast

RECOAST

MICRO2MACRO Growing The Seaweed Economy

Providing Credible, Actionable Sensemaking Tools F9

URBAN SHORELINES

OCEAN VISION AI Accelerating Ocean Discovery

COMMUNITIES F10

Better Connecting Local Newsrooms With-Their Communities

WEDNESDAY JULY 27, 2022

FOR TRUST

ilding Trust Through Community

F6





2:30 P.M. **OKN INFRASTRUCTURE KNOW WHERE GRAPH SKILLSYNC** Reskilling Workers At The Speed Of Business **PEAOUE** Enabling Scalable Cold Atom Quantum Computing With Integrated Photonics **QUANTUM SENSORS** Bringing The Age Of Information To Polymers Fighting Wildfires Proactively With WIFIRE Commons D1 AI-Enabled Programmable Networked Microgrids **FISH LAT iCATCH RECOAST URBAN SHORELINES E9** E10 Enhancing Fisheries, Informing Offshore-Energy Decisions F12 E11 ng To Restore The Coast ies ID In A Snap **BACKYARD BUOYS** TIDEPOOL DIGITAL MICRO2MACRO **OCEAN VISION AI** Locally Owned, Globally Connected, Building Resilience E13 E14 E15 E16 **COURSE CORRECT COMMUNITIES COMMUNITY CREDIT** Providing Credible, Actionable Sensemaking Tools Better Connecting Local Newsrooms With-Their Communities F10 Precision Guidance Against Misinformation Fostering Community Collaboration To-Combat Misinformation

3:00 P.M. **URBAN FLOODING OKN BIOMEDICAL OKN** Transforming The Accessibility And Connecting The Dots To Advance Precision Medicine For Everyone Transparency Of Federal Courts AnyOne, AnyTime, AnyWhere LEARNER Learning Environments For Augmenting Next-Gen Emergency Responders

QUSTEAM QUANECQT C4 Launching An Equitable Solution To The Quantum Workforce Bottleneck orks To Connect Quantum Technology **COMPUTING THE BIOME HYDROGEN PRECISION EPIDEMIOLOGY** A Machine Learning Platform For Hydrologic Scenario Generation Control In Animal Health

F12

Play, Practice, Protect Yourself

WEDNESDAY JULY 27, 2022



3:00 P.M. CONTINUED

SEAFOOD TRACER Seafood Sustainability From The Source

Finding Your Place In The Blue Space

ANALYSIS AND RESPONSE **TOOLKIT FOR TRUST**

CO-DESIGNING FOR TRUST
Building Trust Through Community CATCCH Informed Decisions For Fishery Sustainability

BLUE GAP E6 Bridging Communities Upstream And Downstream

> TRUSTFINDER Restoring Confidence In Digital Interaction

SEARCH LIT Human Technologies For Mitigating Misinformation **NEREID BIOMATERIALS** Biodegradable Plastics For Tomorrow's Ocean

E7

Smart Aquaculture. Sustainable Future.

EXPERT VOICES TOGETHER

FUTURE BLUE Actionable Climate Insights For The Blue Economy

E8

WISEDEX Enabling Fast, Comprehensive Misinformation Enforcement

Digital Reefs At Your Fingertips

3:30 P.M.

OKN INFRASTRUCTURE

SKILLSYNC Reskilling Workers At The Speed Of Business

PEAQUE Enabling Scalable Cold Atom Quantum Computing With Integrated Photonics

Al-Enabled Programmable Networked Microgrids D1

KNOW WHERE GRAPH

A Knowledge Graph for Envi Intelligence Applications

QUANTUM SENSORS

CRIPTBringing The Age Of Information
To Polymers

BURNPRO3D

Fighting Wildfires Proactively With WIFIRE Commons

END OF DAY 1



THURSDAY JULY 28, 2022



10:00 A.M. - GENERAL SESSION



WELCOMING REMARKS

Convergence Accelerator, NSF



MEET NSF'S DIRECTORATE OF TECHNOLOGY. INNOVATION AND PARTNERSHIPS

10:45 A.M. - BREAK

11:00 A.M. – LIVE BOOTH PRESENTATIONS BEGIN

LEARNER Learning Environments For Augmenting Next-Gen Emergency Responders D4

URBAN FLOODING OKN Delivering Flood Information to AnyOne, AnyTime, AnyWhere

SCALES

Transforming The Accessibility And Transparency Of Federal Courts

BIOMEDICAL OKN

Connecting The Dots To Advance Precision Medicine For Everyone

Launching An Equitable Solution To The Quantum Workforce Bottleneck

C4

QUANECQT Quantum Networks To Connect Quantum Technology

COMPUTING THE BIOME

HYDROGEN

PRECISION EPIDEMIOLOGY D6 Data-Driven Disease Preven Control In Animal Health

A Machine Learning Platform For Hydrologic Scenario Generation

FISH LAT

RECOAST Recycling To Restore The Coast

URBAN SHORELINES

iCATCH E9

Enhancing Fisheries, Informing Offshore-Energy Decisions

MICRO2MACRO

OCEAN VISION AI

BACKYARD BUOYS Locally Owned, Globally Connected, Building Resilience E13

TIDEPOOL DIGITAL E14 Connecting Data For Ocean Insight

E15 Growing The Seaweed Economy E16

COMMUNITY CREDIT

COURSE CORRECT F8 Against Misinformation

Providing Credible, Actionable Sensemaking Tools

COMMUNITIES Better Connecting Local Newsrooms With-Their Communities F10

DART

F12

CO-INSIGHTS

Fostering Community Collaboration To-Combat Misinformation

12:00 P.M. - BREAK

ractice, Protect Yourself

1:00 P.M. - PANEL DISCUSSION



F11

CONVERGENCE ACCELERATOR PANEL DISCUSSION

1:30 P.M.

OKN INFRASTRUCTURE

Open Knowledge Network Tools For Developers

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Enabling Scalable Cold Atom Quantum Computing With Integrated Photonics

QUANTUM SENSORS

AI-GRID

Al-Enabled Programmable Networked Microgrids

CRIPT

Bringing The Age Of Information To Polymers

E2

Informed Decisions For Fishery Sustainability

NEREID BIOMATERIALS E3

FUTURE BLUE Actionable Climate Insights For The Blue Economy E4

Seafood Sustainability From The Source

SEAFOOD TRACER

Biodegradable Plastics For Tomorrow's Ocean

BURNPRO3D

E1

Finding Your Place In The Blue Space

BLUE GAP Bridging Communities Upstream And Downstream **E6**

Smart Aquaculture. Sustainable Future.

Fighting Wildfires Proactively With WIFIRE Commons

DIGITAL REEFS E8 Digital Reefs At Your Fingertips

ANALYSIS AND RESPONSE **TOOLKIT FOR TRUST** Restoring Confidence In Digital Interaction F2

E7

D3

EXPERT VOICES TOGETHER

F4

FOR TRUST Building Trust Through Community F6

SEARCH LIT

Human Technologies For Mitigating Misinformation

Enabling Fast, Comprehensive Misinformation Enforcement

THURSDAY JULY 28, 2022



2:00 P.M.

DATA2KNOWLEDGE CONSORTIUM, TRACK A INTEGRATION

STEP UP, TRACK B INTEGRATION В3 gic Approach to Securing Global Leadership and Economic Competitiveness

TRACK CINTEGRATION

TRACK D INTEGRATION

iCATCH E9 Species ID In A Snap

E13

F7

Enhancing Fisheries, Informing Offshore-Energy Decisions BACKYARD BUOYS

TIDEPOOL DIGITAL Locally Owned, Globally Connected, ecting Data For Ocean Insight Building Resilience

E10

COURSE CORRECT F8 Against Misinformation

FISH LAT

CO-INSIGHTS Fostering Community Collaboration To-Combat Misinformation F12

RECOAST E11 Recycling To Restore The Coast

MICRO2MACRO E15 g The Seaweed Economy

CO:CAST Providing Credible, Actionable Sensemaking Tools F9

URBAN SHORELINES E12

OCEAN VISION AI

COMMUNITIES Better Connecting Local Newsrooms With-Their Communities F10

2:30 P.M.

URBAN FLOODING OKN

COMMUNITY CREDIT

Practice, Protect Yourself

Delivering Flood Information to AnyOne, AnyTime, AnyWhere

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Transforming The Accessibility And Transparency Of Federal Courts

BIOMEDICAL OKN

Connecting The Dots To Advance Precision Medicine For Everyone

Learning Environments For Augmenting Next-Gen Emergency Responders

LEARNER

Launching An Equitable Solution To The Quantum Workforce Bottleneck uantum Networks To Connect Quantum Technology

COMPUTING THE BIOME D4

HYDROGEN A Machine Learning Platform For Hydrologic Scenario Generation

Informed Decisions For Fishery Sustainability

CATCCH

SEAFOOD TRACER E1

> **BLUE GAP** Bridging Communities Upstream And Downstream

E2

E5 E6 ng Your Place In The Blue Space

ANALYSIS AND RESPONSE TOOLKIT FOR TRUST TRUSTFINDER F2

Restoring Confidence In Digital Interaction The ARTT of Building Conversational Trust

SEARCH LIT Human Technologies For Mitigating Misinformation **PRECISION EPIDEMIOLOGY** Data-Driven Disease Prev Control In Animal Health

NEREID BIOMATERIALS E3 Biodegradable Plas Tomorrow's Ocean

E7 nart Aquaculture. Sustainable Future.

DIGITAL REEFS E8 Digital Reefs At Your Fingertips

E4

FUTURE BLUE

Insights For

EXPERT VOICES TOGETHER Enabling Fast, Comprehensive Misinformation Enforcement

3:00 P.M.

FOR TRUST

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SKILLSYNC Reskilling Workers At The Speed Of Business

PEAQUE Enabling Scalable Cold Atom Quantum Computing With Integrated Photonics

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Fighting Wildfires Proactively With WIFIRE Commons

THURSDAY JULY 28, 2022





END OF EXPO 2022

THANK YOU FOR VISITING EXPO 2022

Hosted by the National Science Foundation (NSF) Convergence Accelerator, this exciting virtual exhibition event is your chance to check out novel solutions across six convergence research topics addressing national-scale societal challenges.

During the event you will have the opportunity to connect with NSF-funded Convergence Accelerator research teams including viewing live presentations and solution demos. You may also network with other researchers, innovators, and business and technical practitioners from academia, industry, government, nonprofit, and other communities of practice.

