

The background of the slide is a dark blue/black field with a complex network of glowing cyan lines and nodes, resembling a digital or blockchain network. The nodes are small circles, and the lines connect them in a web-like pattern.

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GW Cyber Security & Privacy Research Institute (CSPRI) Presents:

Blockchain Capabilities for Disaster Risk Reduction Management Part 6

A CSPRI APPLIED RESEARCH DISCUSSION
June 15, 2021 - 8:00 am EDT

Update on Frontiers publication

- Dates pushed later in the year
- Interest growing
- Partners from webinars emerging

The screenshot shows the Frontiers website interface for a research topic. At the top, there is a navigation bar with links for 'ABOUT', 'JOURNALS', 'RESEARCH TOPICS', 'ARTICLES', 'SUBMIT', and a search icon. The page title is 'Blockchain Capabilities for Disaster Risk Reduction Management'. Below the title, there are four buttons: 'Manage topic', 'Submit your abstract', 'Submit your manuscript', and 'Participate'. The 'Participate' button is highlighted in orange. To the right of the title, there are social media icons for Facebook, Twitter, LinkedIn, and a share icon. Below the buttons, there are tabs for 'Overview', 'Articles', 'Authors', and 'Impact'. The 'Overview' tab is selected. The main content area is titled 'About this Research Topic' and contains three paragraphs of text. On the right side, there is a 'Topic Editors' section with three entries, each featuring a profile picture, name, affiliation, and a 'Follow' button. The first editor is Neil H Wasserman from George Washington University. The second is Costis Toregas from the School of Engineering and Applied Science at George Washington University. The third is Jean-Fabrice Lebraty from Université de Lyon, France. In the top right corner, there is a 'MY FRONTIERS' link and a 'VIEWS 1,506' counter.

ABOUT JOURNALS RESEARCH TOPICS ARTICLES SUBMIT Q MY FRONTIERS

Research Topic

Blockchain Capabilities for Disaster Risk Reduction Management

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Manage topic Submit your abstract Submit your manuscript Participate

Overview Articles Authors Impact

About this Research Topic

In a typical year, there are hundreds of natural disasters with 12,000+ deaths. Pandemics now dwarf that figure with global mortality now exceeding 1.22 (Nov. 5, 2020) million. Blockchain technology, developed and proven over the last decade, offers unique capabilities to support rapid response to natural disasters, whether the incidence is a flood or threat of contagious disease. Timelines and reach of response are always determinative in limiting negative impact. Blockchain offers a common widely accessible platform for transaction recording, immutable records, identity validation, permissioned data access, monetization, and trustful access to critical data across information systems and geographies. With these capabilities, blockchain can directly address critical challenges of disaster response such as coordination, rebuilding trust, or maintaining safety. All types of organizations are involved. Regarding NGOs, for example, blockchain may support the registration of volunteers, rewards to volunteers and other contributors, demand identification, and tracking the delivery of supplies, such as vaccines and food, and services in complex supply chains.

Blockchain can be considered a disruptive technology based on proven techniques. The application of blockchain goes far beyond the initial application to Bitcoin transactions and other cryptocurrencies. Indeed, blockchain has begun to transform many business sectors and practices. From supply chain to marketing, organizations benefit from taking this technology into account. Blockchain should be viewed as a complement to other disruptive technologies. Along with AI and IoT, for example, blockchain will generate synergies that transform business ecosystems in unanticipated ways.

Currently, the world faces an unprecedented health challenge. The covid_19 outbreak may destabilize the basic viability of individual lives and livelihoods. For example, dining at restaurants has been replaced in a significant part by take-out business and food delivery services. Sectors like tourism and energy production have been profoundly impacted. Videoconferencing and online courses have become essential vehicles for education.

Topic Editors

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VIEWS 1,506

Our journey to date: 5 webinars



- # 1 Concepts and Challenges
- # 2 Consensus, Supply chain
- # 3 DRR drivers and the unexpected
- #4 Digital ID and regions
- #5 Policy and regional aspects

Shaping the future: the options

1. Finish Frontiers publication effort and disband
2. Evangelize concept in both DRR & BC communities
3. Create Community of Interest / Practice (CoI, CoP)
4. Seek funds for PoC pilot implementations



Collaboration



Engage again in September !



Consider and communicate over summer months

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