

# BLOCKCHAIN HEALTHCARE SITUATION REPORT (BC/HC SITREP)

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## WELCOME

The National Institute of Standards and Technology (NIST) has released a 60pp overview of blockchain technology and is looking for feedback from the public.

Science Distributed will be presenting our business plan to potential investors in February. We have started by telling our story to the public (links on p2).

We will continue to bring you the regular BC/HC SITREP content. We'll also give you additional early looks at Science Distributed, including the first look at our public Technical Narrative in a couple weeks.

– Sean Manion, PhD

Science Distributed: *Better Science, Cheaper Research, Faster Miracles*

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## BLOCKCHAIN HEALTHCARE NEWS

### HIMSS Advises Layered Approach to Healthcare Blockchain

*The HIMSS Blockchain Work Group suggests that organizations integrate healthcare blockchain into their IT infrastructure in phases to ensure success.*

<https://hitinfrastructure.com/news/himss-advises-layered-approach-to-healthcare-blockchain>

### Blockchain Technology Overview - NIST

*NIST announces the release of Draft NISTIR 8202, Blockchain Technology Overview. This publication is intended to provide a high-level technical overview of blockchain technology. It discusses its application for electronic currency as well as broader uses. The document looks at different categories and approaches for different blockchain platforms.*

*This document is intended to help readers to understand the technologies which comprise blockchain systems and to understand how blockchains can be appropriately and usefully applied to technology problems.*

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***"Public Comments Due: February 23, 2018***

***Email Comments to: [nistir8202-comments@nist.gov](mailto:nistir8202-comments@nist.gov)***

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<https://csrc.nist.gov/publications/detail/nistir/8202/draft>

### Research initiatives focus on blockchain tech to improve pharmacy supply chain

*The Center for Supply Chain Studies study is a proof of concept effort to show blockchain in action, while the second focuses on temperature-controlled environments of the supply chain.*

<http://www.healthcareitnews.com/news/research-initiatives-focus-blockchain-tech-improve-pharmacy-supply-chain>

## How blockchain could save lives by getting medicine where it's needed

*Jim Nasr, who until very recently was chief software architect at the Centers for Disease Control and Prevention, says blockchain could help stamp out counterfeit drugs.*

<https://www.techrepublic.com/article/how-blockchain-could-save-lives-by-getting-medicine-where-its-needed/>

## 8 properties of blockchain that could aid data exchange

1. *There's no one in charge*
2. *References, rather than data, are stored*
3. *Public vs. Private*
4. *It's still a work in progress*
5. *The disruption of middlemen*
6. *Problems with hacking? Not yet*
7. *Opportunities in finance*
8. *Disrupting healthcare*

<https://www.healthdatamanagement.com/list/in-blockchain-references-rather-than-data-are-stored>

## PODCAST: HOW OPEN SCIENCE COULD BENEFIT FROM BLOCKCHAIN

*Experts reflect on the implications of blockchain for research.*

*Reporting from the APE2018 a recent conference gathering the who's who of scholarly publishing in Berlin on 16th and 17th January 2018, EuroScientist Editor, Sabine Louët interviews several experts on their views on how blockchain technology will change the world of scientists.*

<https://www.euroscientist.com/podcast-open-science-benefit-blockchain/>

## BLOCKCHAIN NEWS

### Hyperledger releases Hyperledger Sawtooth 1.0, its second distributed ledger project

*Hyperledger, the open source blockchain project from the Linux Foundation, released Hyperledger Sawtooth 1.0, its latest open source digital ledger project. Sawtooth joins its sister project, Hyperledger Fabric which reached 1.0 in July last year.*

<https://techcrunch.com/2018/01/30/hyperledger-releases-new-open-source-distributed-ledger-called-hyperledger-sawtooth/>

## SCIENCE DISTRIBUTED – AN INTRODUCTION

### **“Science Distributed: Path to Faster Miracles, Part 3 – Team Magic”**

<https://www.linkedin.com/pulse/science-distributed-path-faster-miracles-part-3-team-magic-manion/>

### **Previously:**

### **“Science Distributed: Path to Faster Miracles, Part 1 - Problem & Opportunity”**

<https://www.linkedin.com/pulse/science-distributed-path-faster-miracles-part-1-sean-manion/>

### **“Science Distributed: Path to Faster Miracles, Part 2 - Value Proposition”**

<https://www.linkedin.com/pulse/science-distributed-path-faster-miracles-part-2-sean-manion/>

**Up next: “Science Distributed: Path to Faster Miracles, Part 4 – The Field”**