

DPUB Summit 25 June 2019

Content Blockchain & ISCC

Sebastian Posth @posth https://posth.me

Sebastian Posth

 CEO of Publishing Data Networks GmbH (Data analytics, digital market research)

CEO of Posth Werk BV (posth.me)
 (Consulting on digital innovation and product development)

Sebastian Posth

 Co-Initiator of Content Blockchain Project (from 2016)

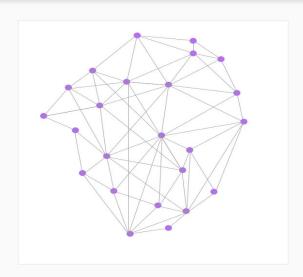
 Chairman of the Board of ISCC Foundation (in the process of legal setup)

Why should the Content Industry care about Blockchain Technology?

- Blockchain is triggering innovation in almost any industry (banking, logistics, insurance, health ...)
- Also, startups and companies in media publishing are investigating its potential (visual arts, music)

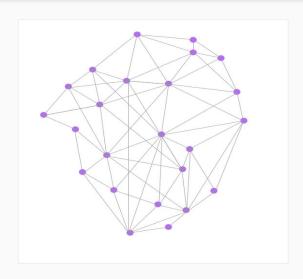
What is Blockchain? (1)

Blockchain is a decentralized and distributed network for the **validation** and **storage** of **transactions data** (e.g. payments) and other metadata



What is Blockchain? (2)

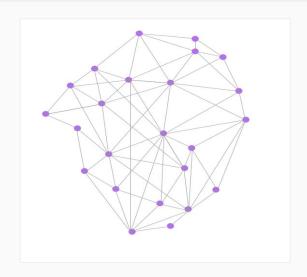
Plockchain enables immutable payment transactions and the transfer of value peer-to-peer without centralised institutions or platforms (e.g. payment providers)



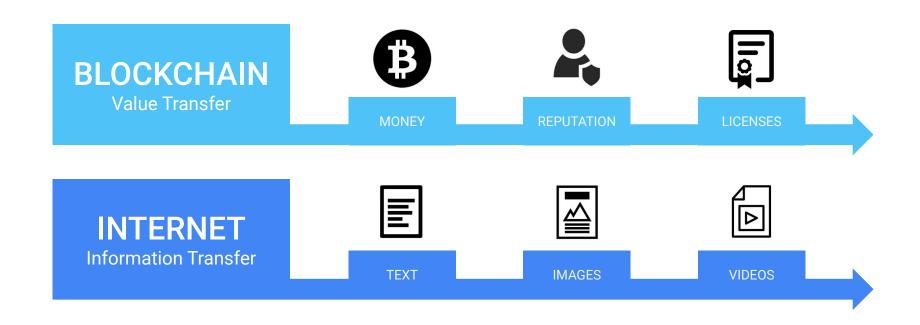
What is Blockchain? (3)

Not the banks, intermediaries, retailers or other centralized institutions ...

But the **network itself validates and settles transactions** in a distributed and, thus, immutable chain



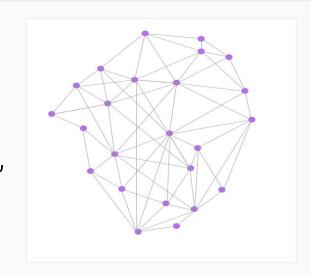
Blockchain Establishes a New Layer

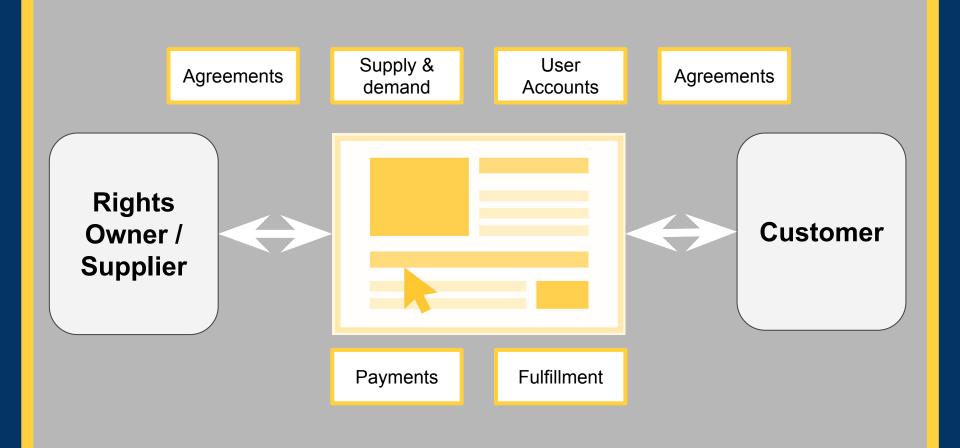


Blockchain Can be Useful

Doing business in a decentralized and distributed media environment

Doing business in a **trustless environment**, If you **don't know the parties** you are interacting with.





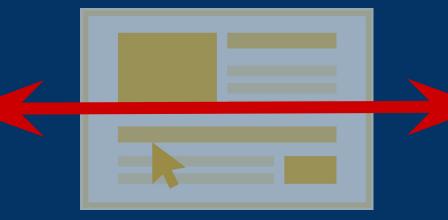




Rights Owner / Supplier

Direct Sales

P2p Payment



Customer

Self-sovereign identity

True digital ownership







Content Blockchain Project - Goal

Developing open standards, technologies and applications that establish **media content** as the subject of transactions* on blockchains

* No content is stored on the blockchain



Suggestion for an Open Layered Blockchain Ecosystem



Open Innovation



INTERFACES



SHOPS



BUSINESS MODELS

Building Blocks

Chain Agnostic Standards



CONTENT IDENTIFIERS



SMART LICENSES



TRANSACTION MODELS

Blockchain

Protocol-Layer Services



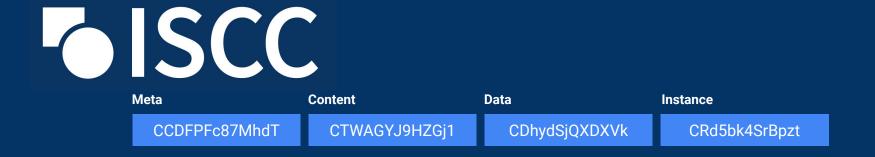
DATA STREAMS



NATIVE TOKENS

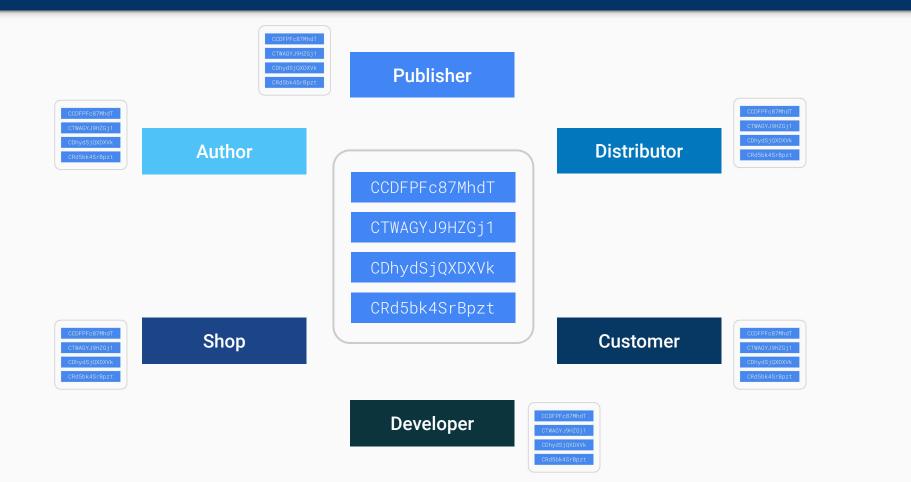


ON-CHAIN GOVERNANCE



- The International Standard Content Code is a proposal for a new standard identifier for digital media content
- Developed for use on **blockchain**, usable **off-chain/offline**
- Universal standard number for digital files in different media formats (text, image, audio, video)
- Cross-industry standard (journalism, academic and trade publishing, music industry, etc.)

Anyone with access to the content will generate the same ISCC





International Standard Content Code - Built-in Features

- Internal Data Management and Digital Distribution
- Content Versioning
- Related Product Identification
- Granular Content Management
- And a lot more ...







PNG File 20161227_160824.png

	Meta-ID	Content-ID	Data-ID	Instance-ID
20161227_160824.jpg	CCDsTERz4UQV5	CYHsLweYPdvgD	CDMqKBaJ6GcN6	CRWSywYJsmuV1
20161227_160824.png	CCDsTERz4UQV5	CYHsLweYPdvgD	CD8Nq2riHZYFA	CRmPuPvEuwNQ9
Similarity	100%	100%	56.25 %	Unique



Print-Produkt PDF File 973570103555.pdf



Digitales Produkt EPUB File 9733641231286.epub

	Meta-ID	Content-ID	Data-ID	Instance-ID	
9783570103555.pdf	CCYFzp5fuCZ5i	CTW146jkamPhi	CDCXUMP3sG7un	CR2qg9diUSbip	
9783641231286.epub	CCYFzp5fuCZ5i	CTW13poWoxkoK	CDiCwHnxCc27y	CRLzb24dPde2w	
Similarity	100%	96,88%	56,25 %	Unique	

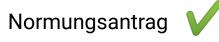


Status quo

International Standard Content Code

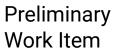


NID - Normenausschuss Information und Dokumentation AA - Arbeitsausschuss 09





ISO/TC 46/SC 9





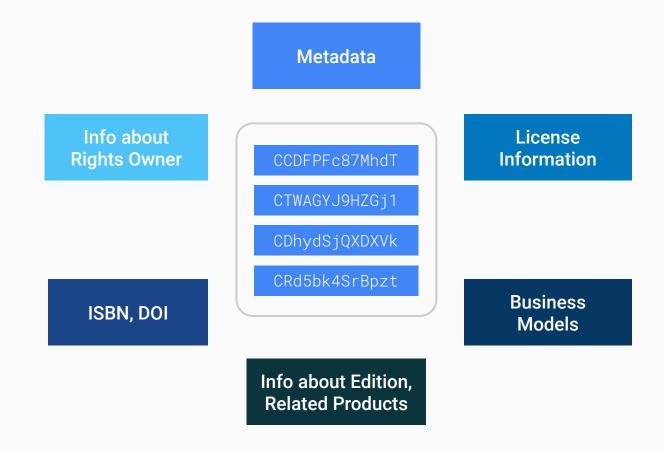


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Why GitHub? - Enterprise Explore - Marketplace Pricing - Search

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On blockchains, additional information can be attached to ISCC





Cadê o barco de pesca? Where's the fishing boat? (Desconheço o auto da foto, infelizmente. I don't know who made this great photo, unfortunately).

Translate Tweet







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Sync Licensing For Advertising, Film, TV & Video Games







Content-Blockchain.org Join the Initiative!

Sebastian Posth

posth@iscc.foundation

+31 6 126 76726

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