

# The Blockchain in Practice

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Image by Jan Kraus <https://www.flickr.com/photos/johnny/>



# **CLOUGHJORDAN ECOVILLAGE**



ethereum



**IRISH RESEARCH COUNCIL**  
**An Chomhairle um Thaighde in Éirinn**

OCT  
28

## Blockchain & Sustainable Communities: Potential & Pitfalls

by NUI Galway School of Law, FEASTA,  
and Cultivate

€20 – €30

TICKETS

### DATE AND TIME

Fri, October 28, 2016

10:00 AM – 4:30 PM IST

[Add to Calendar](#)



feasta



cultivate

Saturday 2 April 2016

## Notes

A

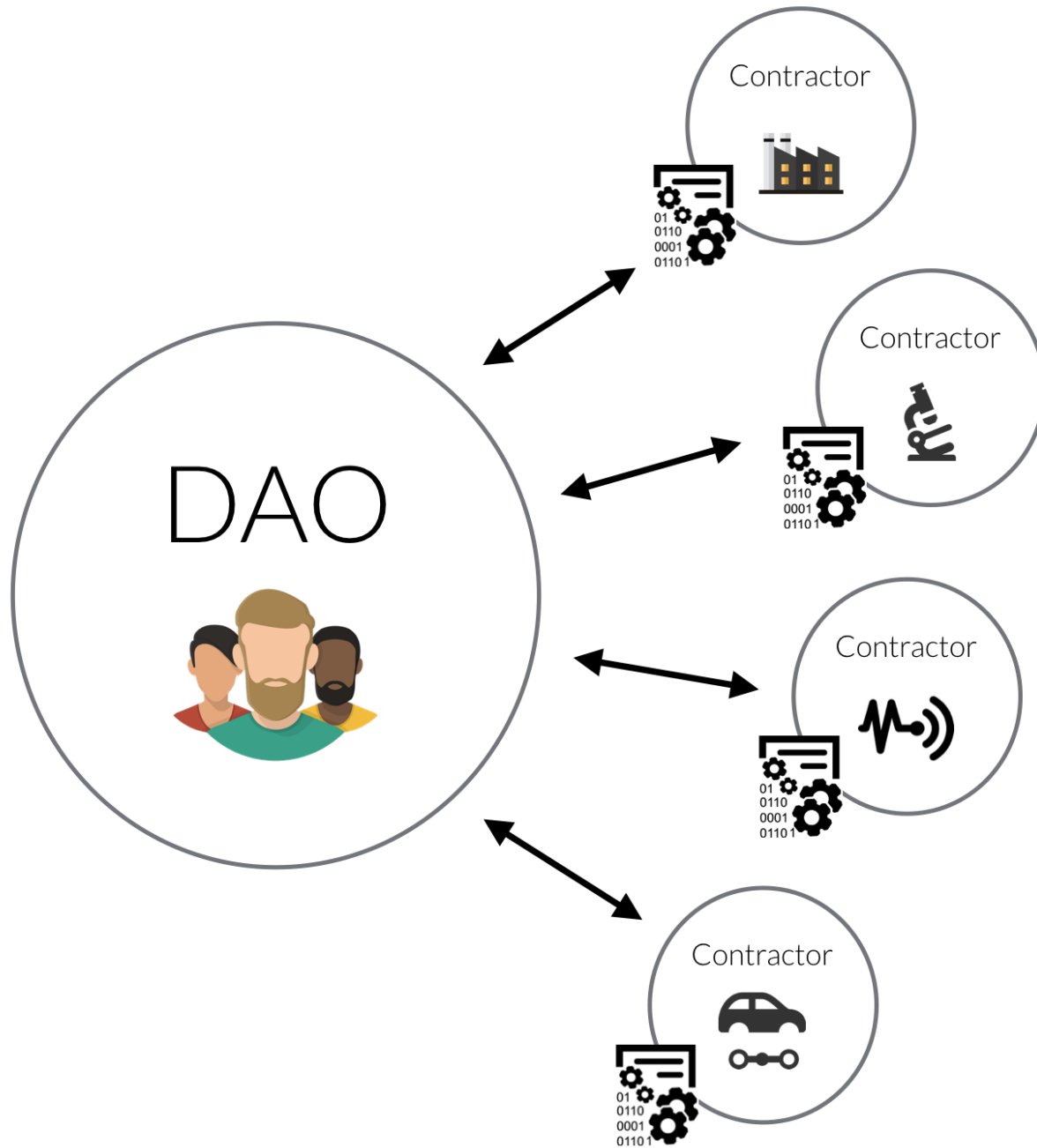
1 Participants: Rónán Kennedy, Davie Philip, Bruce Darrell, Ben Whelan, Mark Doris, Brian O'Hare

2 What is a Cloughpenny?

- This is the beginning of a longer-term project; this is only a pilot but should produce a real working currency
- It may be physical, depending on the purpose of the project. If it is solely for internal use, it does not need to be physical. If it intended as a souvenir, it will have to be physical. Printing crypto-currencies have not worked well in practice.
- An education-backed currency, in keeping with the charitable remit of the project
- Is it based on an existing blockchain? Is it like PeerCoin (<https://peercoin.net>)? Is it a side coin (running in parallel to the BitCoin blockchain)?

Who might use Cloughpennies?

- Those who want to be involved; not those who are not interested
- Local businesses





# Real pros, real fast.

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How it Works



WEB  
DEVELOPERS



MOBILE  
DEVELOPERS



DESIGNERS &  
CREATIVES



WRITERS

# Key Lessons

- ✦ Dearth of good social research on blockchain
- ✦ Don't choose the technology before speaking to users
- ✦ Ethereum (and others) are not so easy-to-use
- ✦ Non-enthusiasts have very limited understanding or interest in virtual currencies

colu.



Arthur Freeman



Tel-Aviv



COIN

BRK coin

local coin: USD

Coins Issued 23,500,000

COMMUNITY



Brooklyn

2,053,00 Members

Brooklyn is the most populous of New York City's five boroughs with 2,636,735 residents in 2015. It is geographically adjacent to southwestern end of Long Island.

Latest Transactions

Members

145,050 total

Amount	Sender	Receiver
52	Lester Terry	Wilbert Clayton
150	Issued by admin	Darlene Garza
250	Megan Chandler	Carla Benson
3,699	Lydia Hampton	Francis Patton
2,500	Andrew Bowman	Megan Chandler
5,200	Terrence Walton	Francis Patton
340	Gretchen McCarthy	Stephanie Alexander

WGIN 4:21 PM 22%

Brooklyn, New York



Your Balance

2060 BRK



Send



Receive

TODAY



Received by the community

+15



Sent to Megan Chandler

-100



Received by the Cheryl Fox









+1200

YESTRODAY



Received from Jeff Sherman

+304

-  Dashboard
-  Manage Assets
-  Transactions
-  Manage Templates
-  Customized App
-  Documentation
-  Settings
-  Support

### Dashboard

	Assets Created <b>100.00</b>		Asset Holders <b>3</b>		API Daily Usage <b>2 / 2</b>		Total API Calls <b>3 / 10</b>
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### Available Assets

Asset Name	Amount	Divisibility
Cloughpenny	90.00	2

1

ISSUE NEW ASSET

### Latest Transactions

Transaction ID	Total Assets	Date
1618c2df24ff17178ffd1622d25d90c84e929ebf546949995b0b4f7ef495de2b	100.00	11.08.2016 14:08
c919043d9ff2a5d71a6125204673d411fcd76be5f6614d9e7a84f006cfec677a	5.00	16.10.2016 09:10

Cloughpenny (Village account) 

# 5.00 CPs



Cloughpenny (Village account)



No transactions yet

 RECEIVE

 ACTIVITY

 SEND

```
[Ronans-MBP:copay-master ronankennedy$ make ios-prod ]
make: *** No rule to make target `ios-prod'. Stop.
[Ronans-MBP:copay-master ronankennedy$ make ios ]
make: *** No rule to make target `ios'. Stop.
[Ronans-MBP:copay-master ronankennedy$ cd app-template/ ]
[Ronans-MBP:app-template ronankennedy$ make ios-prod ]
make: *** No rule to make target `ios-prod'. Stop.
[Ronans-MBP:app-template ronankennedy$ make ios ]
cordova create project-ios com.bitpay.*NAMENOSPACE* *NAMECASENOSPACE* || echo "P
roject Path Existed"
/bin/sh: cordova: command not found
Project Path Existed
cp ProjectMakefile project-ios/Makefile
cp: project-ios/Makefile: No such file or directory
make: *** [project-ios] Error 1
Ronans-MBP:app-template ronankennedy$ □
```

# Reflections

- ✦ Robert Herian: “Blockchain ... merely a tackle in the game of capitalism ... the stuff of high-libertarian and anarcho-capitalist fantasies”
- ✦ Who is buying and selling?
- ✦ Who wins and loses?
- ✦ What is the ontology and deontology of blockchain?