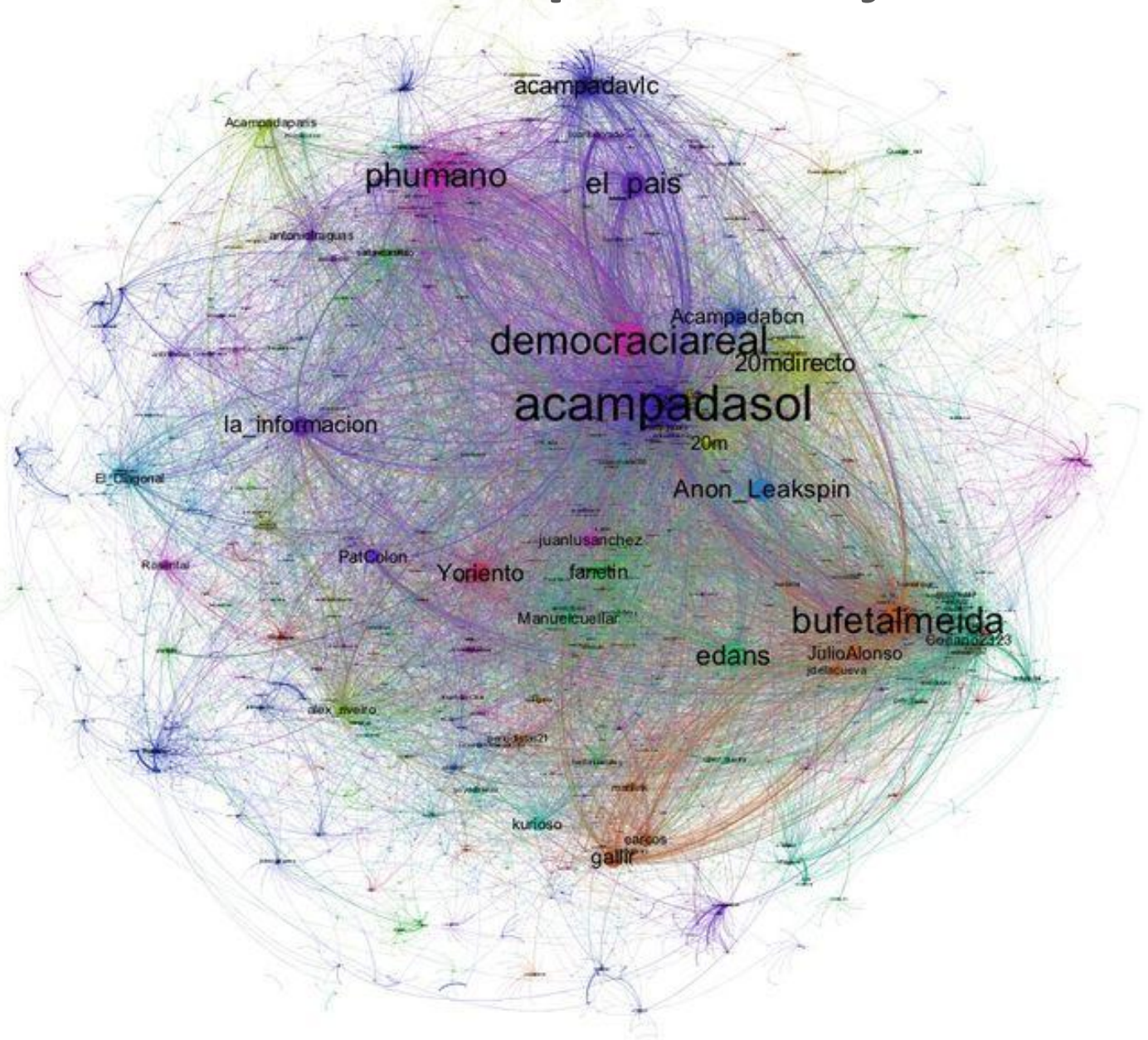
Decentralised Citizens ENgagement Technologies for direct democracy and economic empowerment

Joint Negotiation meeting for Collective Awareness Platforms
Brussels, 15 May 2013

Project coordinator: Francesca Bria, Senior Adviser Nesta
francesca.bria@gmail.com

Nesta
Universitat Oberta de Catalunya IN3
CES cnrs
FORUM VIRIUM
INTERNATIONAL MODERN MEDIA INSTITUTE
KF
neo
dyne.org

D-CENT concept and objectives



D-CENT

- D-CENT will provide civil society with immediately useable digital tools for **direct democracy and economic empowerment**. But it will also grow **longer-term alternatives to today's highly centralised platforms and power structures**

- It brings together world-class technologists and academics with a **large number of citizen groups across Europe**

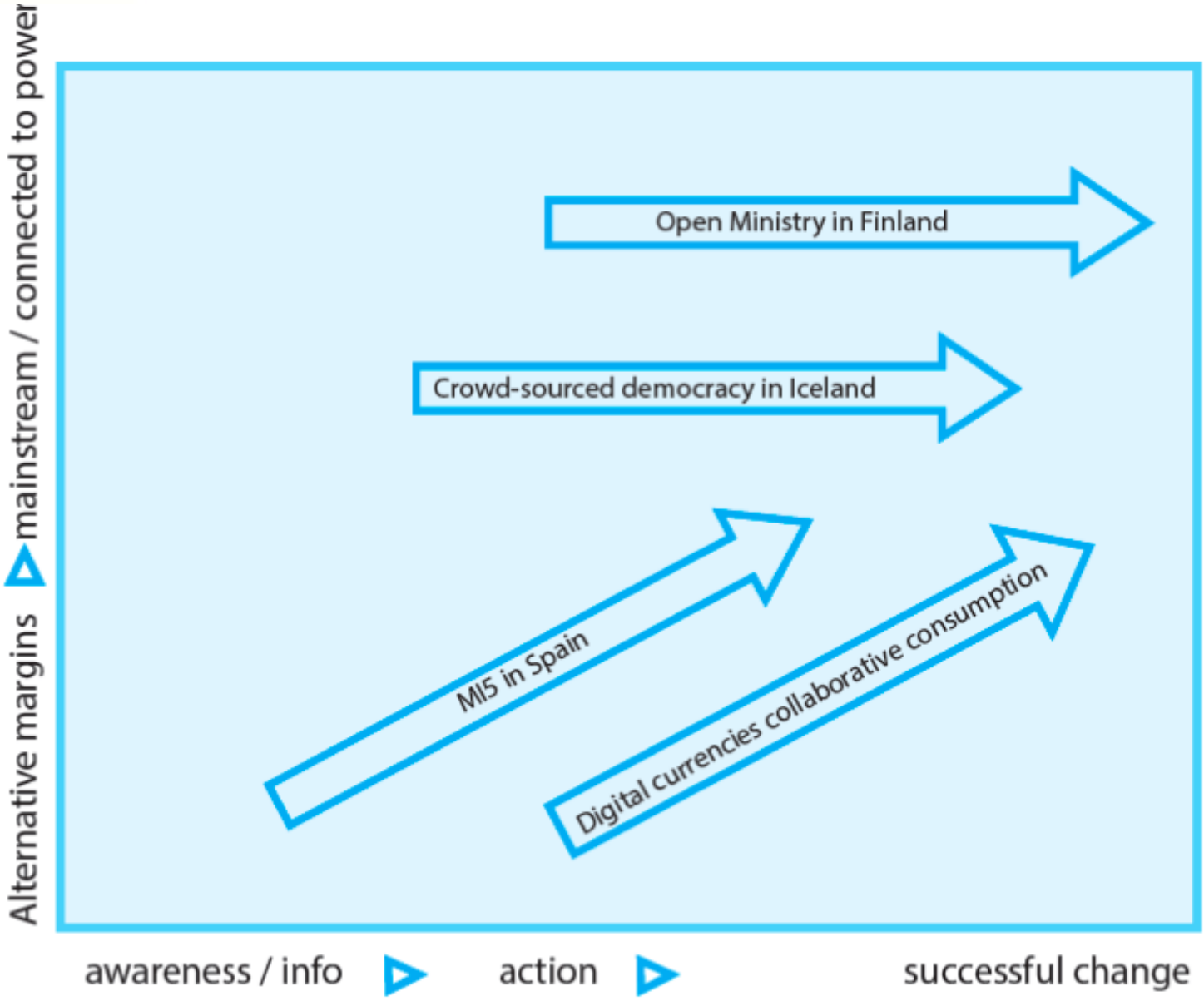
- D-CENT will develop an **open, federated and decentralised social networking platform** for large scale collaboration based on integrating successful open-source codebases that enable to **share in real-time open data, democratic decision making, and digital currency for the social good**

- D-CENT will promote **large-scale adoption** of the D-CENT open specifications, interoperable technology, open data and open APIs

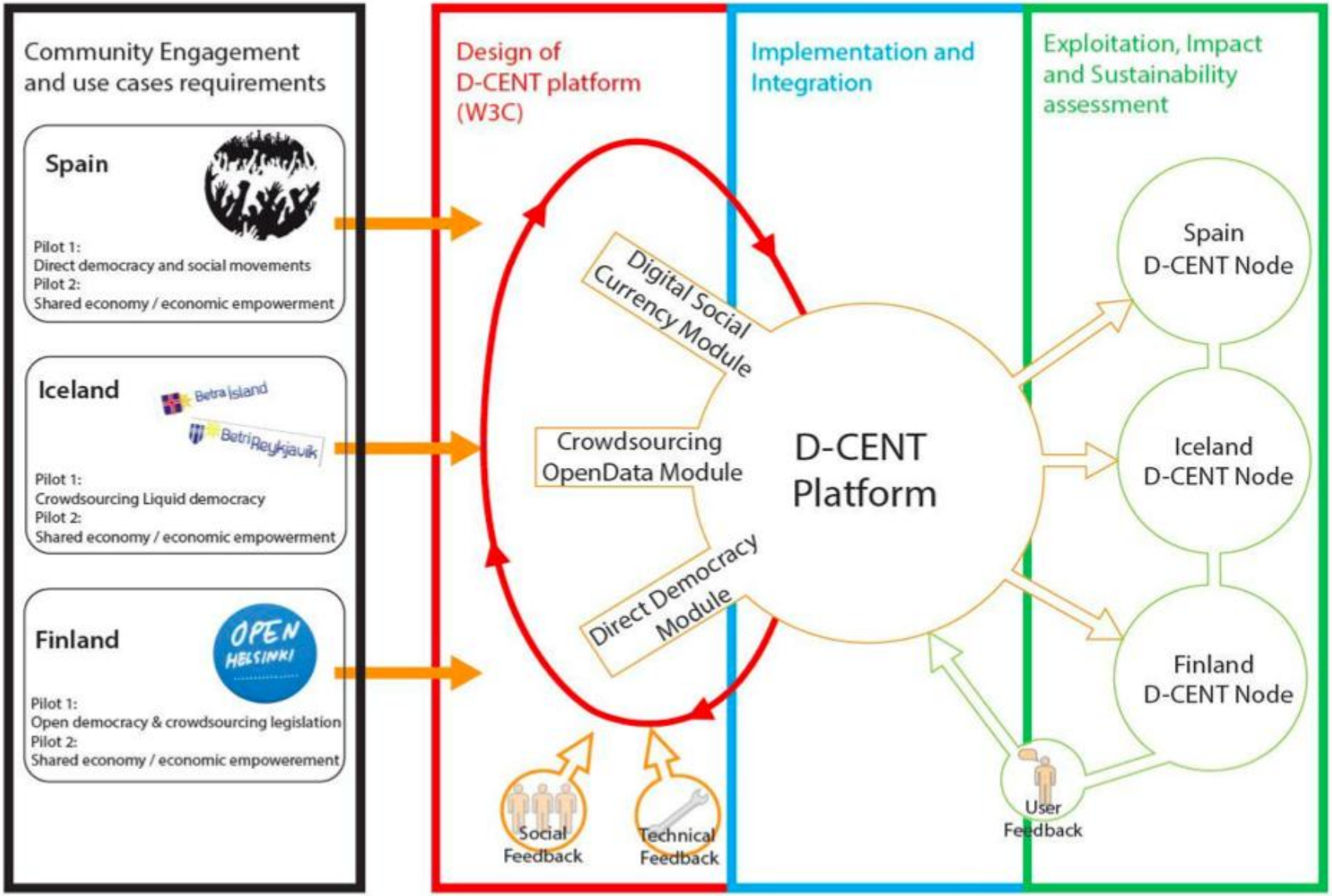
Nesta Universitat Oberta de Catalunya IN3 CES cnrs FORUM VIRIUM INTERNATIONAL MODERN MEDIA INSTITUTE KF neo dyne.org

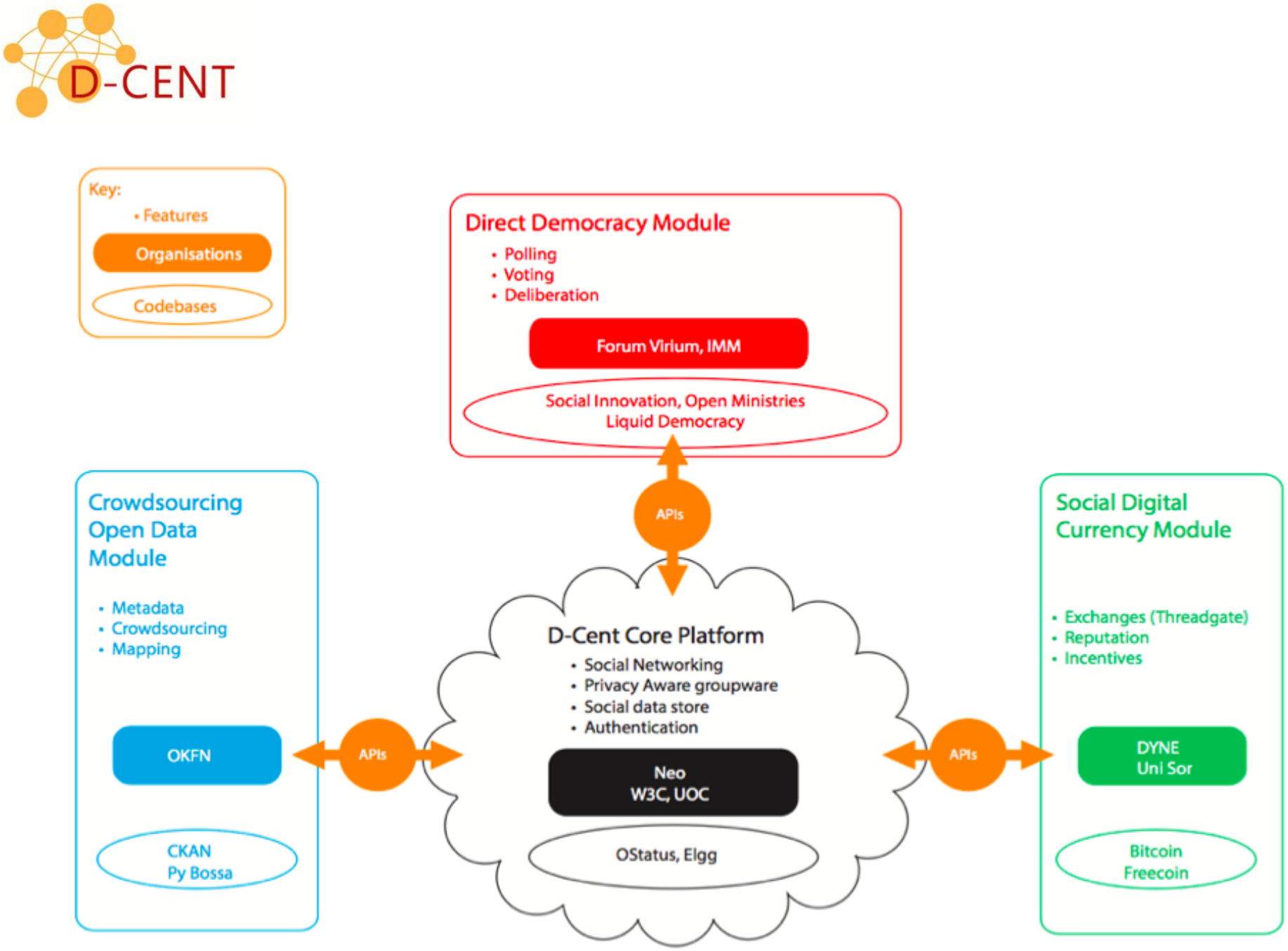
D-CENT use cases and platform open specifications

D-CENT


Alternative margins
mainstream / connected to power
Open Ministry in Finland
Crowd-sourced democracy in Iceland
Ml5 in Spain
Digital currencies collaborative consumption
awareness / info
action
successful change

D-CENT


Community Engagement and use cases requirements
Spain
Pilot 1:
Direct democracy and social movements
Pilot 2:
Shared economy / economic empowerment
Iceland
Betra Island
Betri Reykjavik
Pilot 1:
Crowdsourcing Liquid democracy
Pilot 2:
Shared economy / economic empowerment
Finland
OPEN HELSINKI
Pilot 1:
Open democracy & crowdsourcing legislation
Pilot 2:
Shared economy / economic empowerement
Design of D-CENT platform (W3C)
Implementation and Integration
Exploitation, Impact and Sustainability assessment
Digital Social Currency Module
Crowdsourcing OpenData Module
Direct Democracy Module
D-CENT Platform
Spain D-CENT Node
Iceland D-CENT Node
Finland D-CENT Node
Social Feedback
Technical Feedback
User Feedback

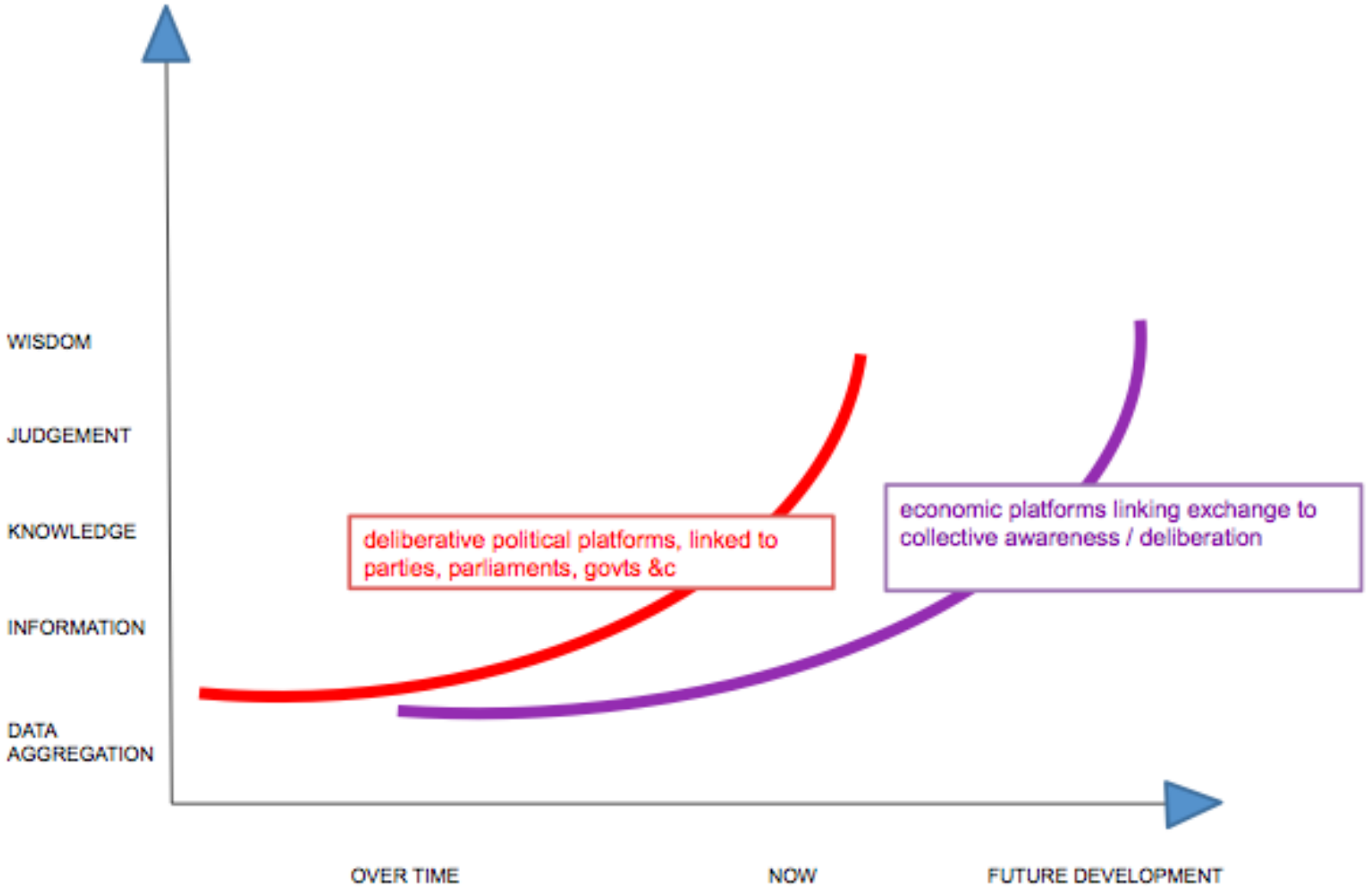

D-CENT
Key:
• Features
Organisations
Codebases
Direct Democracy Module
• Polling
• Voting
• Deliberation
Forum Virium, IMM
Social Innovation, Open Ministries
Liquid Democracy
APIs
Crowdsourcing
Open Data
Module
• Metadata
• Crowdsourcing
• Mapping
OKFN
CKAN
Py Bossa
APIs
D-Cent Core Platform
• Social Networking
• Privacy Aware groupware
• Social data store
• Authentication
Neo
W3C, UOC
OStatus, Elgg
APIs
Social Digital
Currency Module
• Exchanges (Threadgate)
• Reputation
• Incentives
DYNE
Uni Sor
Bitcoin
Freecoin

D-CENT

Comminities engaged in Pilots	Current Users	Projected Impact
SPAIN- 15M citizen movement (DRY) /UOC	Ellg platform 50,000 users DRY 400 citizens groups Exchange network InterXarxes (intercanvis.net), 134 local exchange networks, 2,000 users Oui share platform X.net platform 8,000 followers	Extend Ellg to 100,000 users DRY/15M movement: 6M people local exchange networks in Catalunia, Barcelona, and across Spain
ICELAND- Citizen Foundation/ IMMI	Social Innovation Better Iceland 10,000 users Betri Reykjavík 7800 users	Population of Iceland 319,000 citizens Reykjavík citizenship 120,000 citizens Commercial Credit Circuit or C3 within a network of SMEs across Iceland
FINLAND- Open Ministry/FVH (City of Helsinki Agency)	Open Ministry 7000 active users Laws supported by 50,000 citizens Helsinki Neighbourhoods Association Helka - 78 neighbourhoods groups- 600,000 inhabitants 30 Local Time Banks	Open Ministry 100,000 active users Population of Finland 5,387,000 citizens Population of metropolitan Helsinki 1,300,000 citizens City wide network of neighbourhoods Expand to engage the local node of Community Exchange System (CES)
Purpose.com (Avaaz and	15M users globally	Link-up DCENT with crowding

Advancement beyond the State of the Art

D-CENT


WISDOM
JUDGEMENT
KNOWLEDGE
INFORMATION
DATA AGGREGATION
deliberative political platforms, linked to parties, parliaments, govts &c
economic platforms linking exchange to collective awareness / deliberation
OVER TIME
NOW
FUTURE DEVELOPMENT

Decentralised Social Networking

Letting users control their own data through a decentralized open ecosystem based on open standards built on a federated social web protocol and existing open-source social-networking codebase,

Adding group collaboration capabilities and open-source framework for crowd-sourcing with federation in a single modular open-source codebase

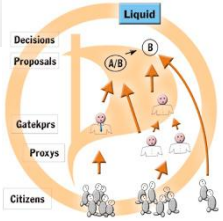
D-CENT

Citizen engagement and open democracy

Open democracy,
crowd source legislation, and deliberation
integrating social feedback from t he citizenship.
Re-factoring software from 3 communities that have revolutionised democracy in the Internet age

The proxying and real-time polling of Liquid Democracy + deliberation by Social Innovation + clear decision-making and authentication of Open Ministry

LIQUID DEMOCRACY
Delegated Voting



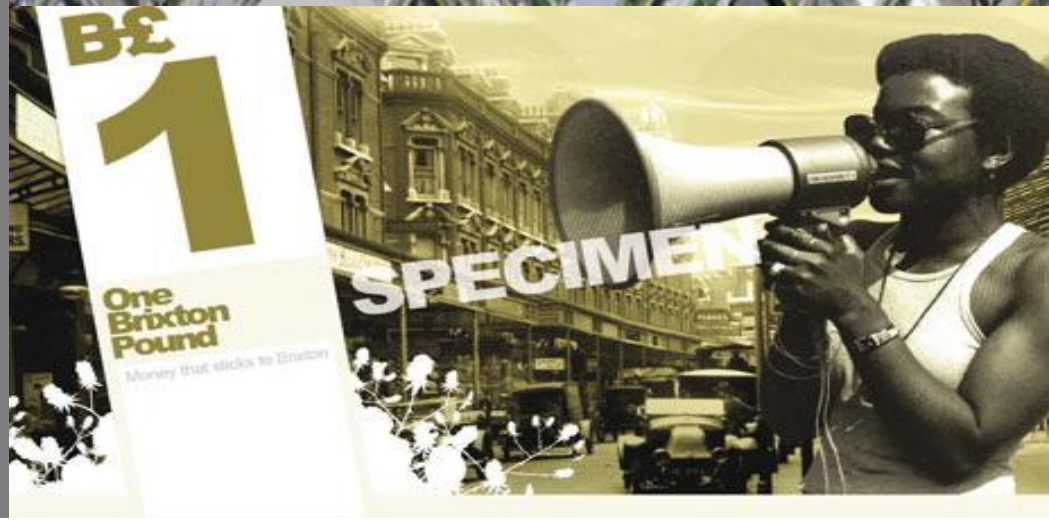
Open Ministry

Betra Ísland

Incentive structures – Linking civic actions to collaborative economic models

Redesign Bitcoin for the social good, enabling communities to use a open-source fork of Bitcoin (Freecoin) to empower their local CES.

Threadgate app a “P2P Craig's list” to share goods and services with Freecoin recording the transactions via a community-controlled rating service. By building on the power of community groups and open data about local resources, D-CENT will enable social digital currencies to reach scale with measurable results



Particpant organisation map

D-CENT principles

- Community ownership of data and access to knowledge
- Security and privacy by design
- Interoperability and standardisation
- Inclusiveness, accessibility, and open source
- Exploiting the network effect through mass user adoption and replicability