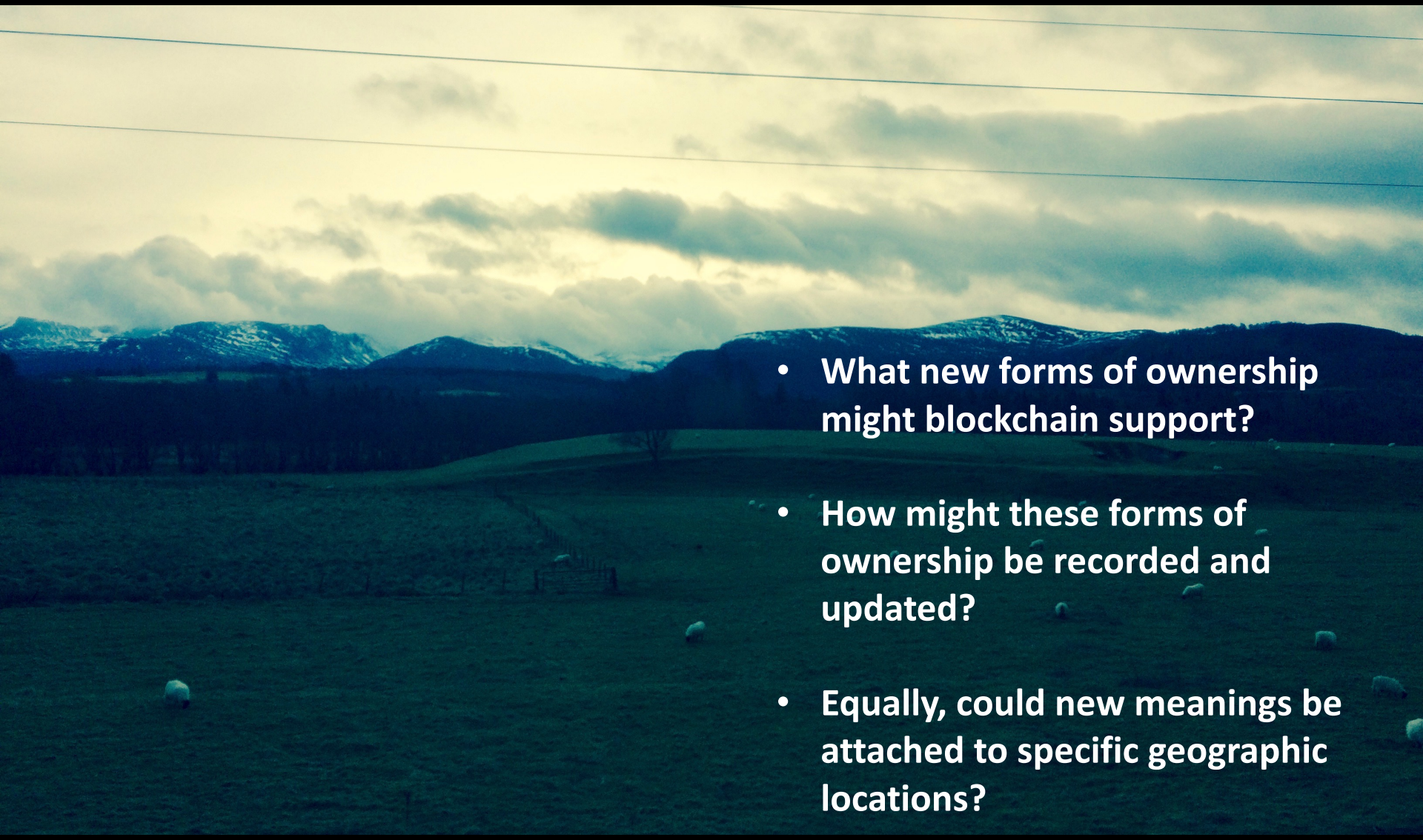
BLOCKCHAIN RURALITIES

Novel Digital Geographies in the Scottish Highlands

Royal Geographical Society Annual Conference
POWER 2.0: Digital Geographies

Dr. George S Jaramillo
Innovation School
The Glasgow School of Art



- What new forms of ownership might blockchain support?
- How might these forms of ownership be recorded and updated?
- Equally, could new meanings be attached to specific geographic locations?

cairngorms national park

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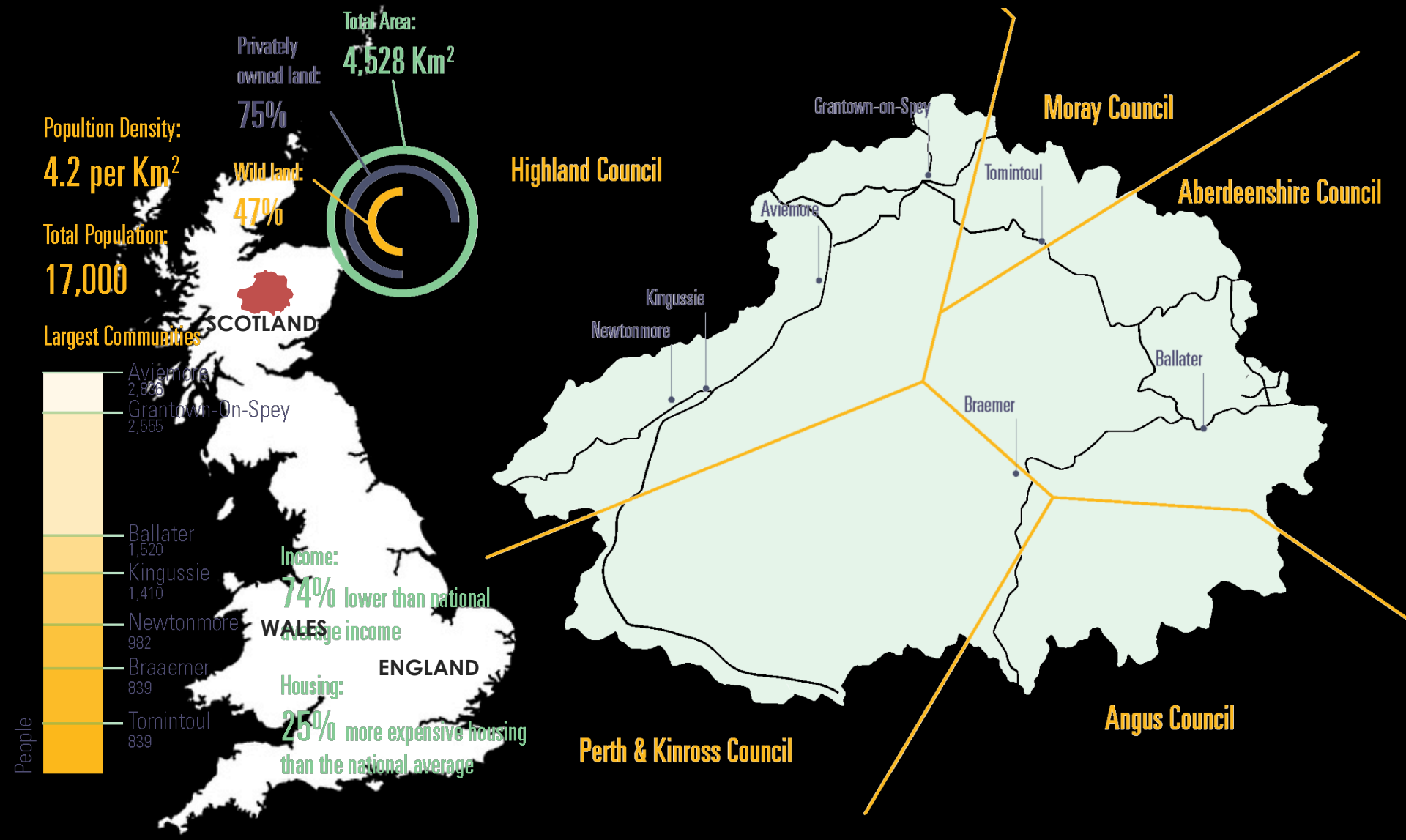
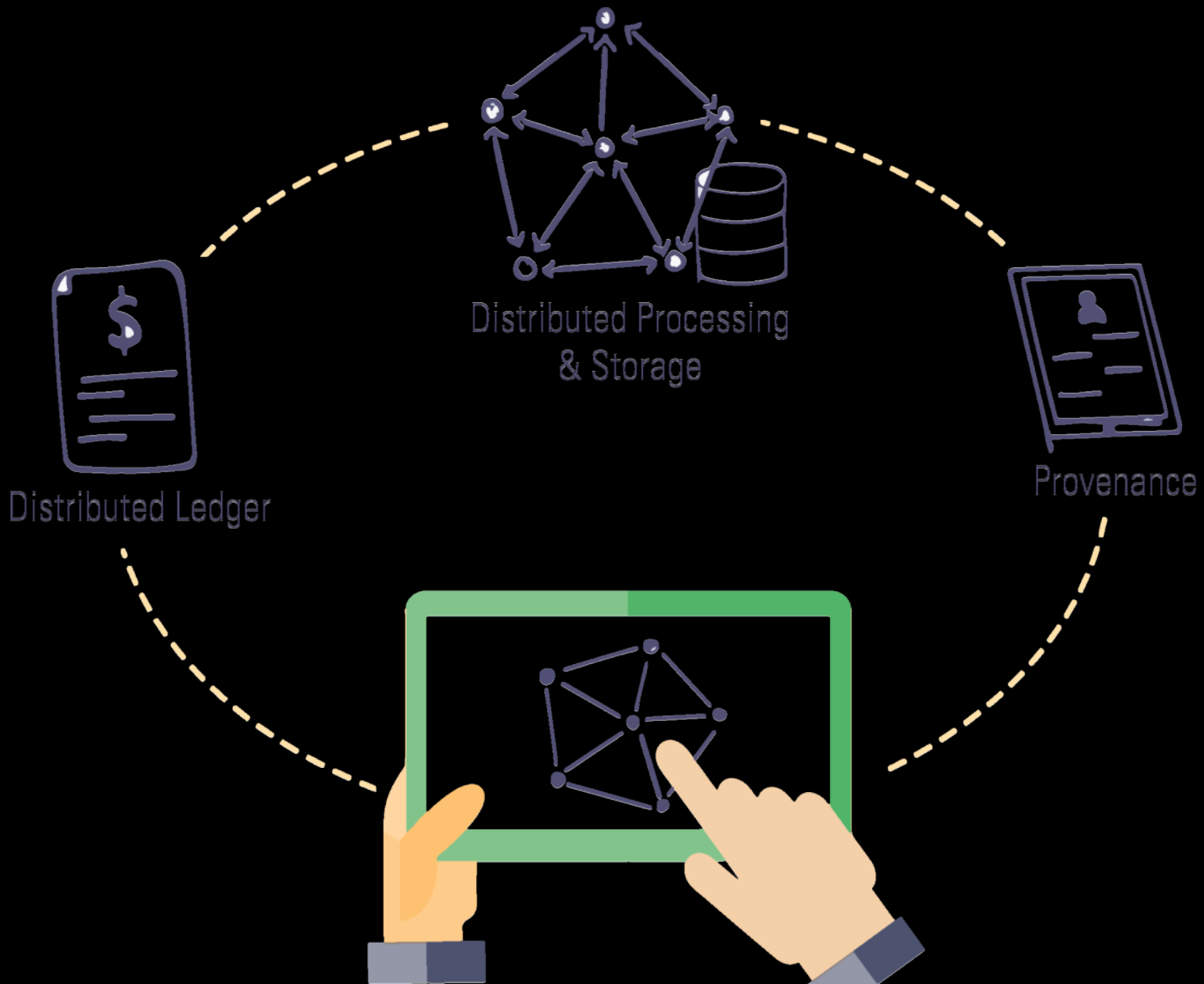
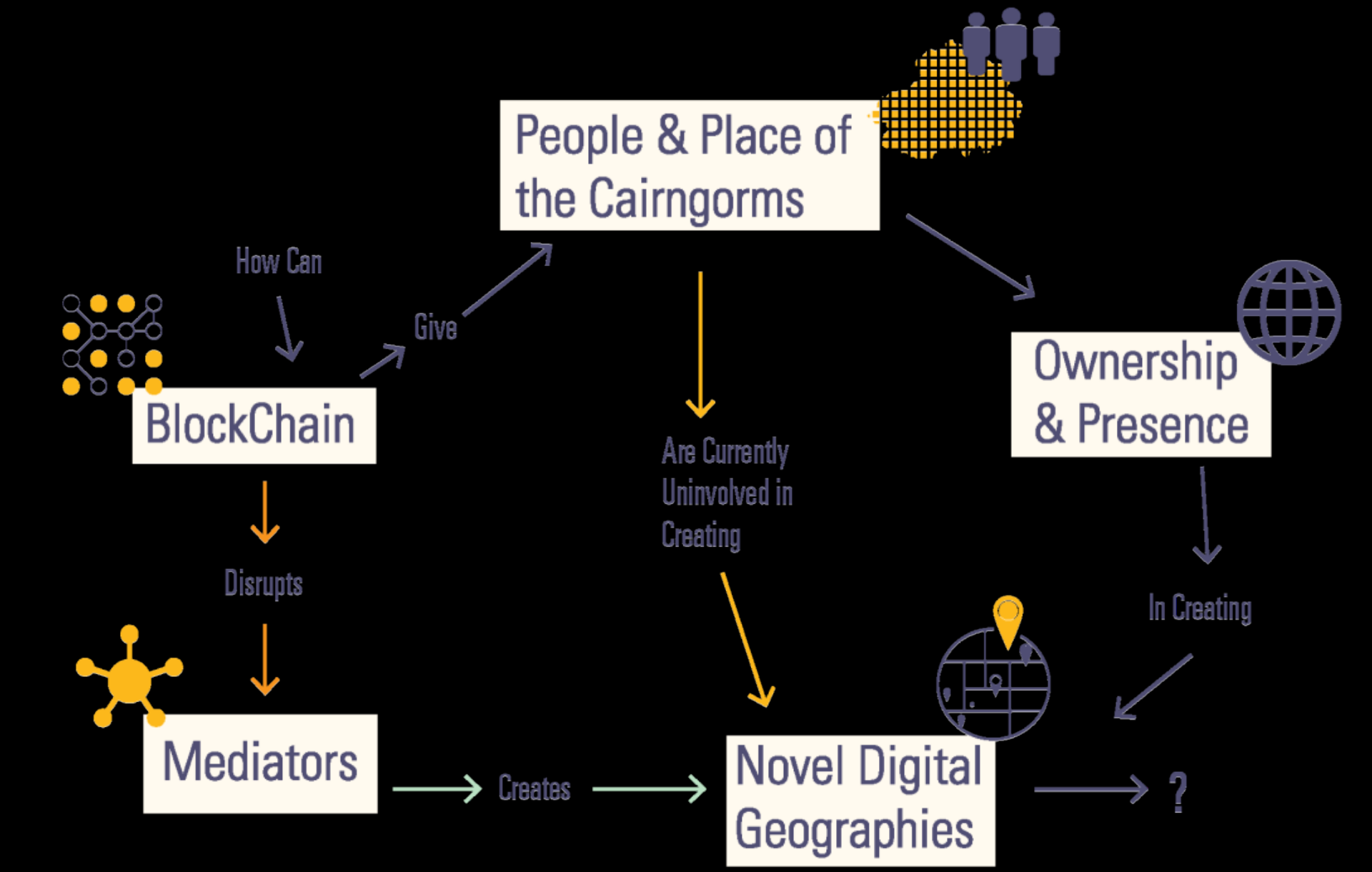
location



blockchain technologies



initial themes



stakeholders

Ian

Margerie & Kathy

Stephen

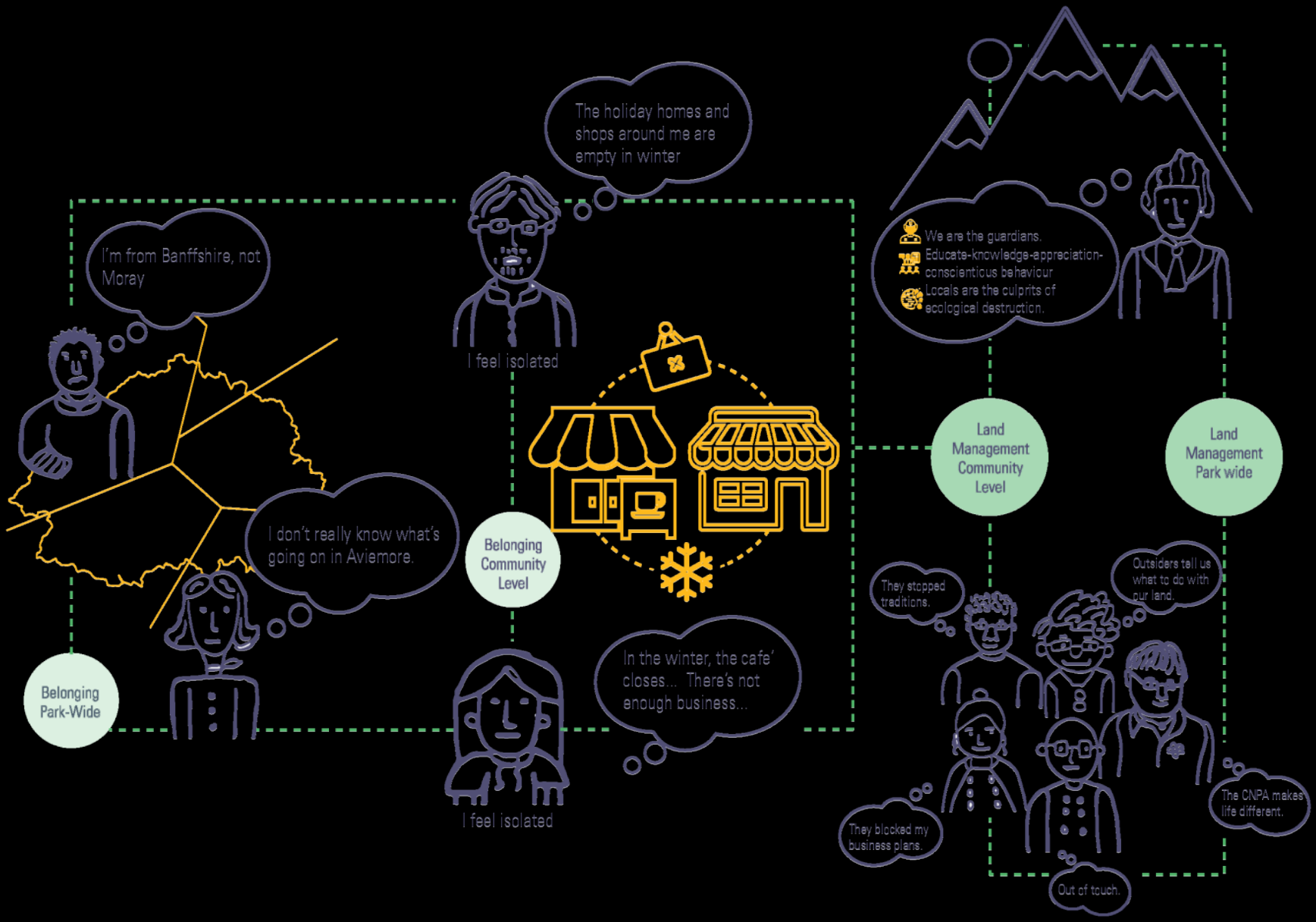
Ron

Dianne

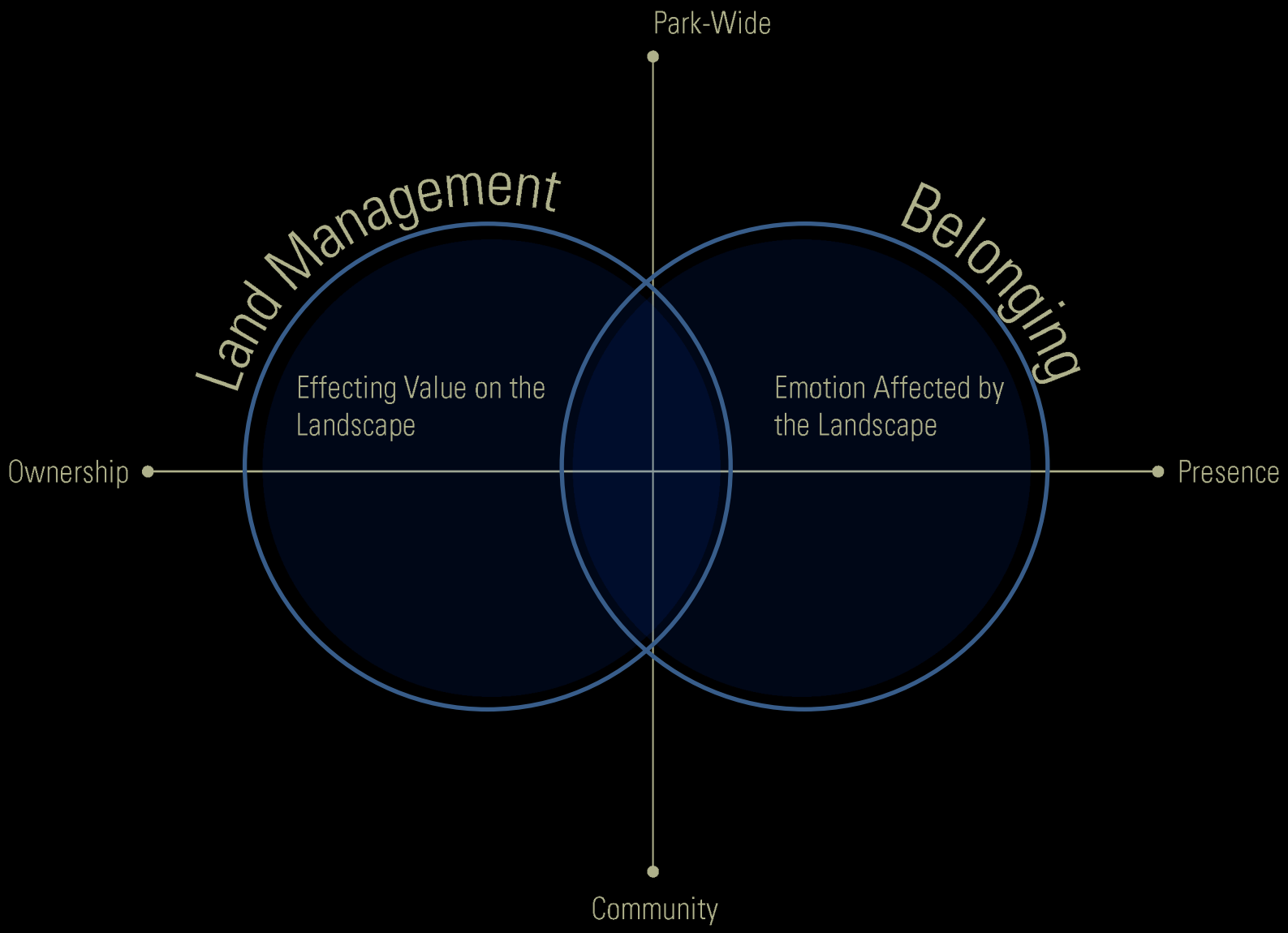
Ebeth

The National Park Authority

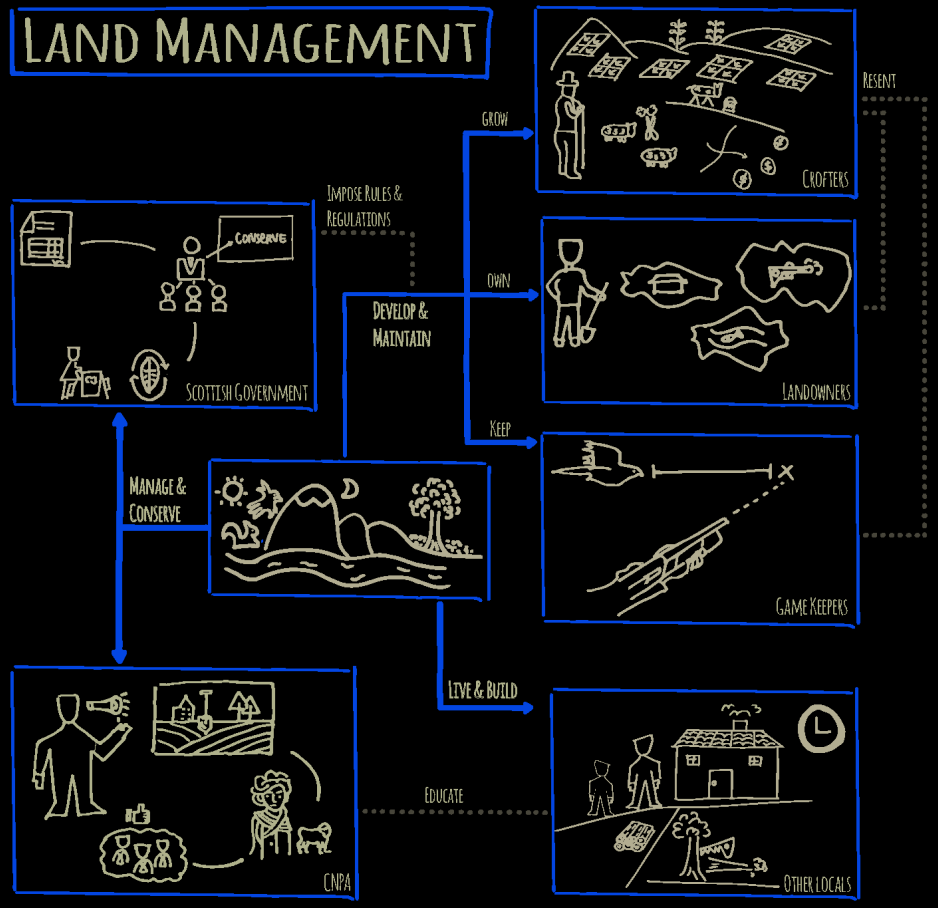
developing insights

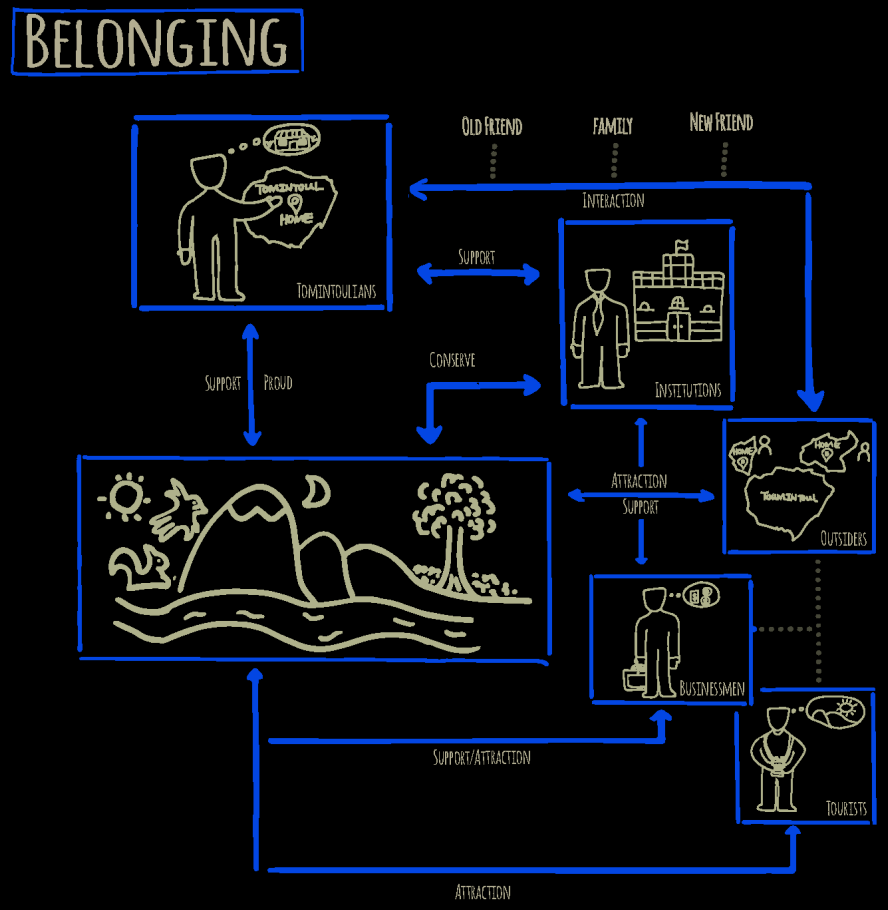


emergent themes



synthesis





What if citizens saw themselves as partners with the Park Authority?

inspiration

"Walking thus, hour after hour, the senses keyed, one walks the flesh transparent. But no metaphor, transparent, or light as air, is adequate. The body is not made negligible, but paramount. Flesh is not annihilated but fulfilled. One is not bodiless, but essential body."

Nan Shepherd, 1977
The Living Mountain

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BLOCKCHAIN RURALITIES

CLAIMING

RESPONDING

DISTRIBUTING

LiveDrop

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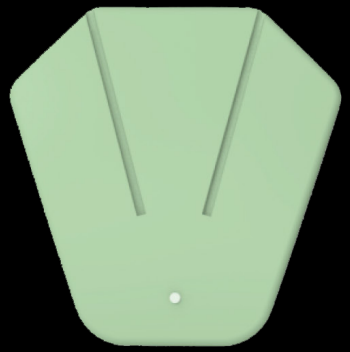
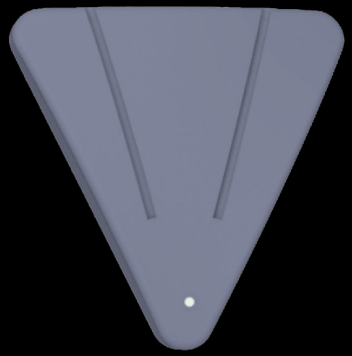
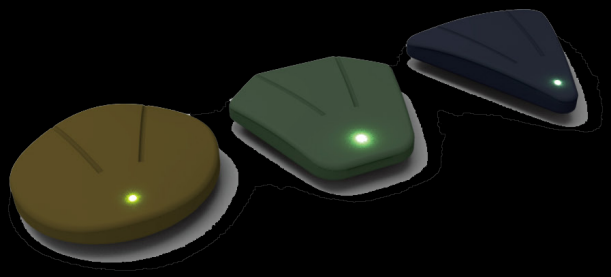
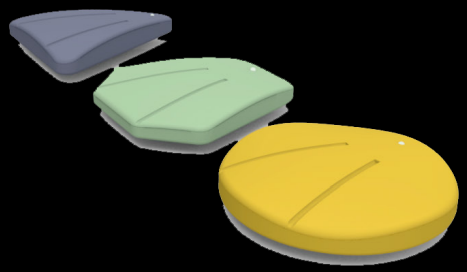


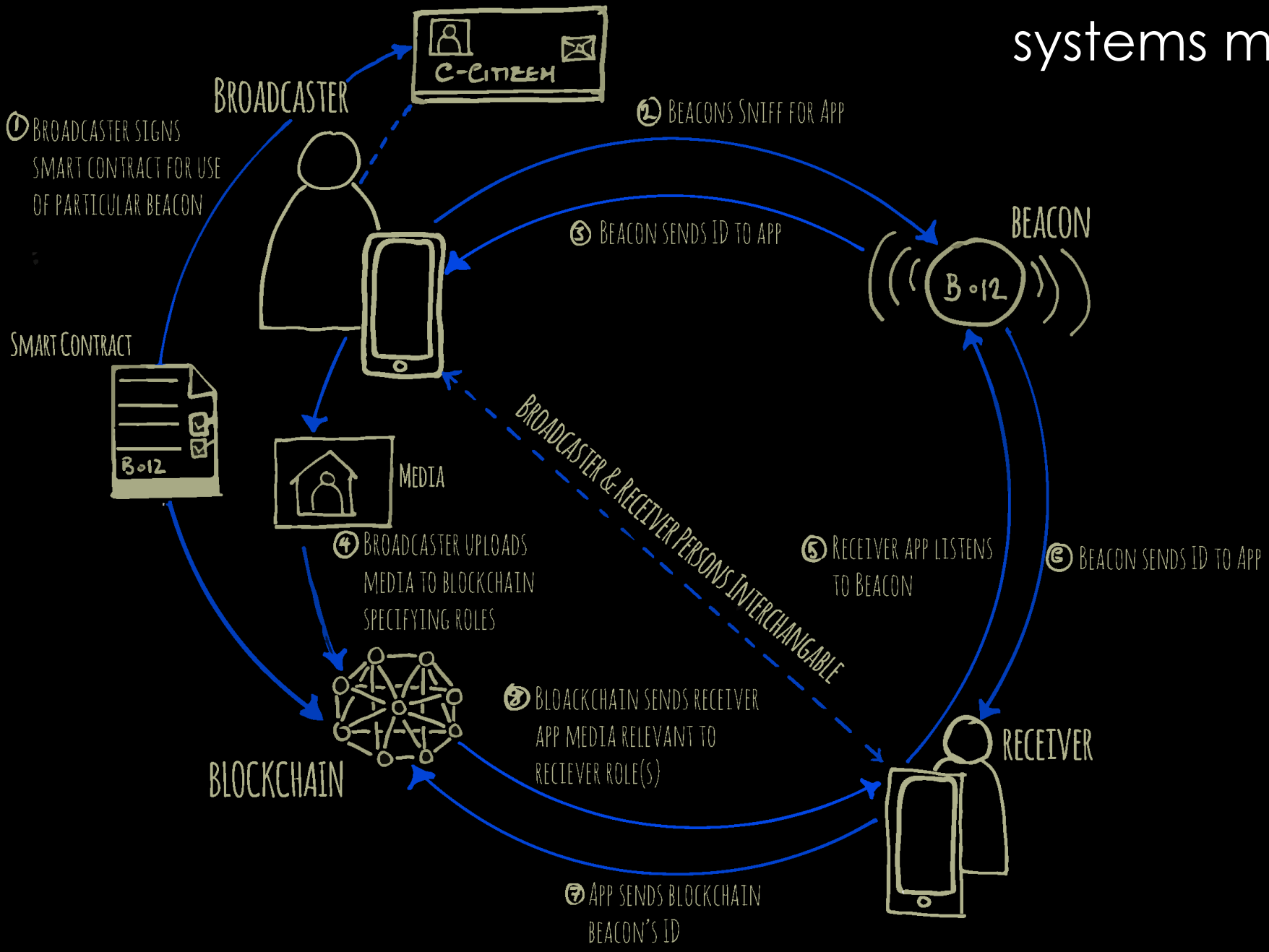






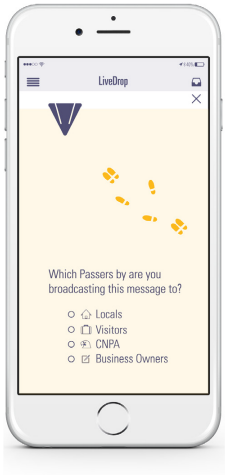
LiveDrop

systems map

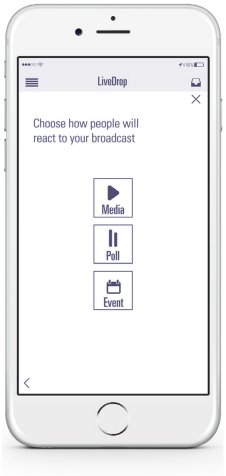

C-CITIZEN
BROADCASTER
① BROADCASTER SIGNS SMART CONTRACT FOR USE OF PARTICULAR BEACON
② BEACONS SNIFF FOR APP
③ BEACON SENDS ID TO APP
BEACON
B·12
SMART CONTRACT
B·12
MEDIA
BROADCASTER & RECEIVER PERSONS INTERCHANGABLE
④ BROADCASTER UPLOADS MEDIA TO BLOCKCHAIN SPECIFYING ROLES
⑤ RECEIVER APP LISTENS TO BEACON
⑥ BEACON SENDS ID TO APP
BLOCKCHAIN
⑦ BLOACKCHAIN SENDS RECEIVER APP MEDIA RELEVANT TO RECIEVER ROLE(S)
RECEIVER
⑧ APP SENDS BLOCKCHAIN BEACON'S ID

applications

Owning Temporarily



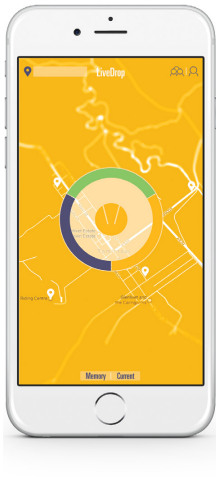
Broadcasting



Defining Interaction

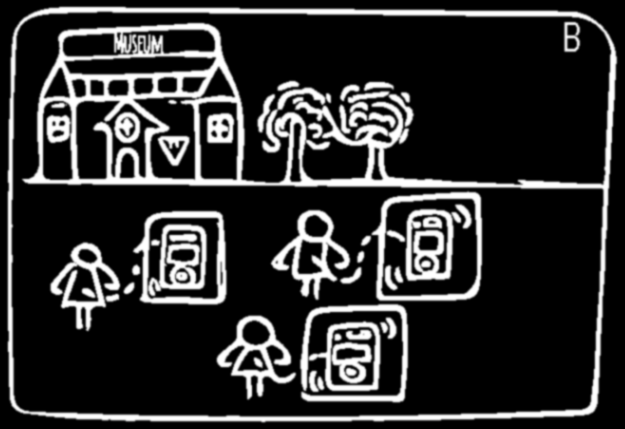
Getting Altered

Viewing & Contributing

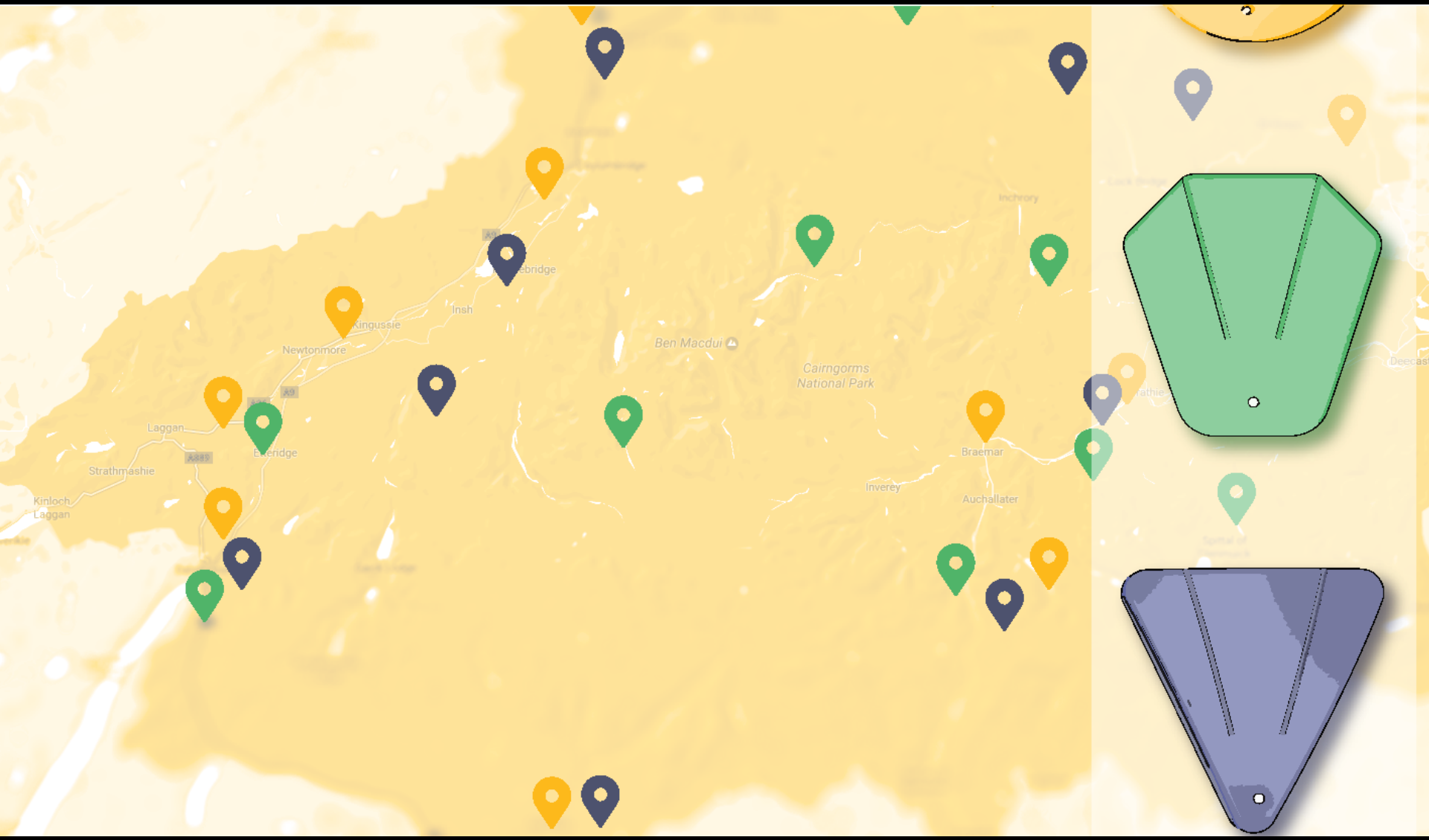


Reviewing

scenario



distribution



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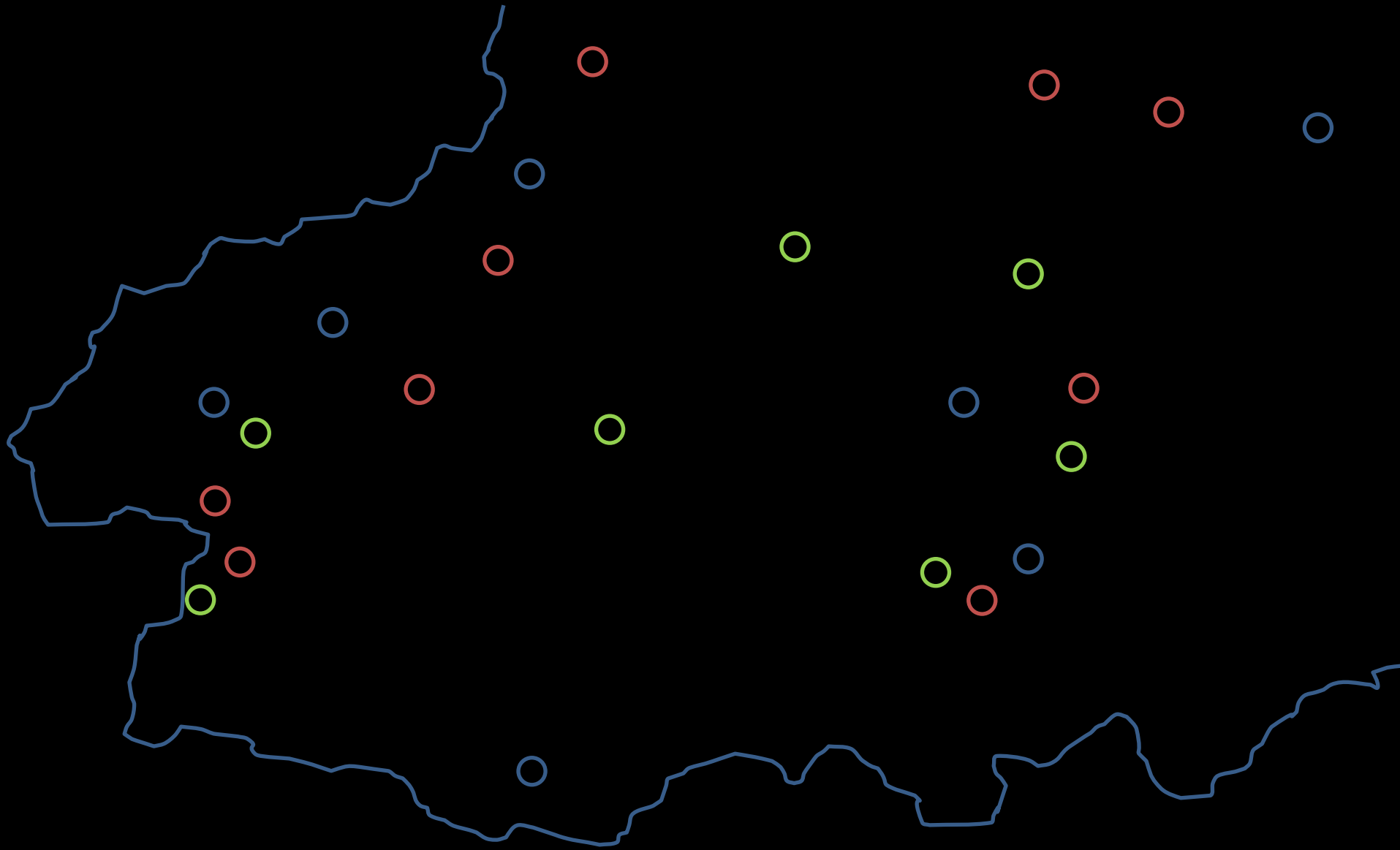
adhoc distributed network



conclusions