

CivTech[®]

Driving daring and innovation in the public sector

Alexander Holt

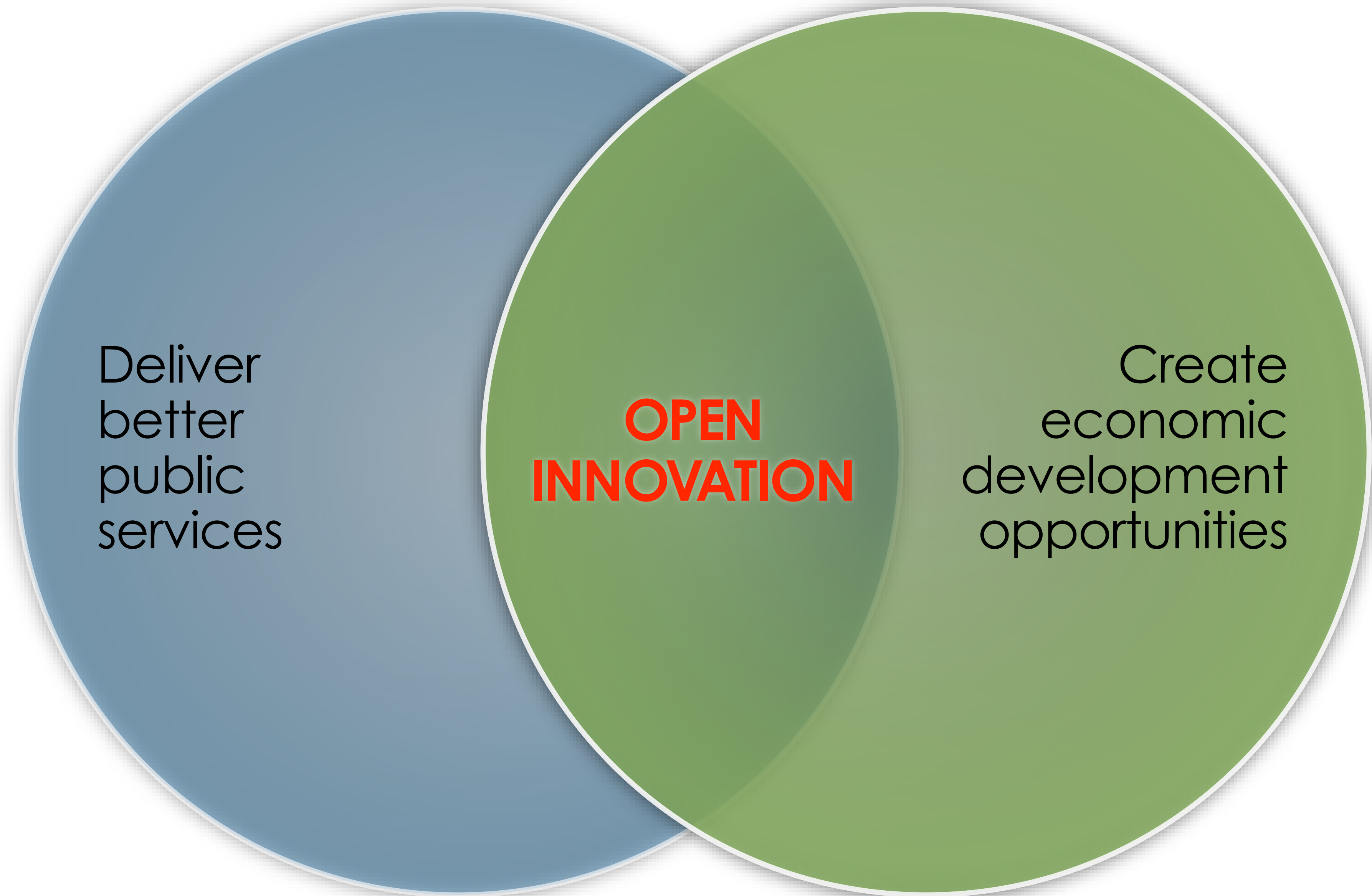
Founder of the CivTech[®] Programme,
Scottish Government



Scottish Government
Riaghaltas na h-Alba
gov.scot

@CivTechScotland

CivTech[®]'s mission:
*to drive **daring** and innovation*
in the public sector by
***collaboratively** solving challenges*
*that make people's lives **better***

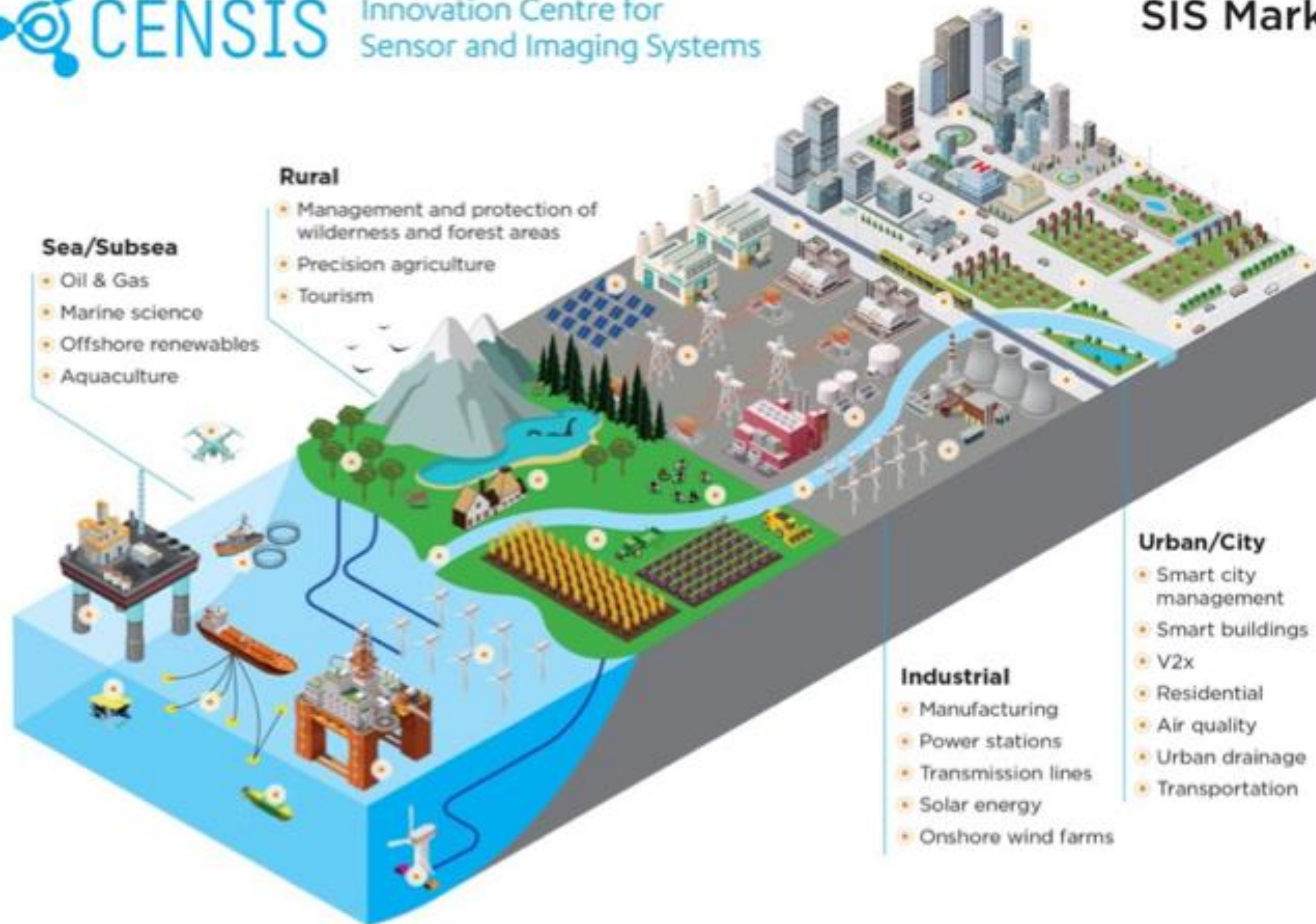


SPECS THAT TAKE
1 YEAR TO WRITE
6 MTHS TO PROCURE
12+ MTHS TO ROLL OUT









HOW CAN YOU

PROCURE

WHAT YOU DON'T

KNOW EXISTS?



A close-up photograph of a metal padlock. The padlock is dark and appears to be made of steel or iron. It is positioned on the left side of the frame. Behind the padlock, on a plain white surface, three large, dark question marks are drawn. The lighting is soft, highlighting the texture of the metal and the smooth surface of the wall.

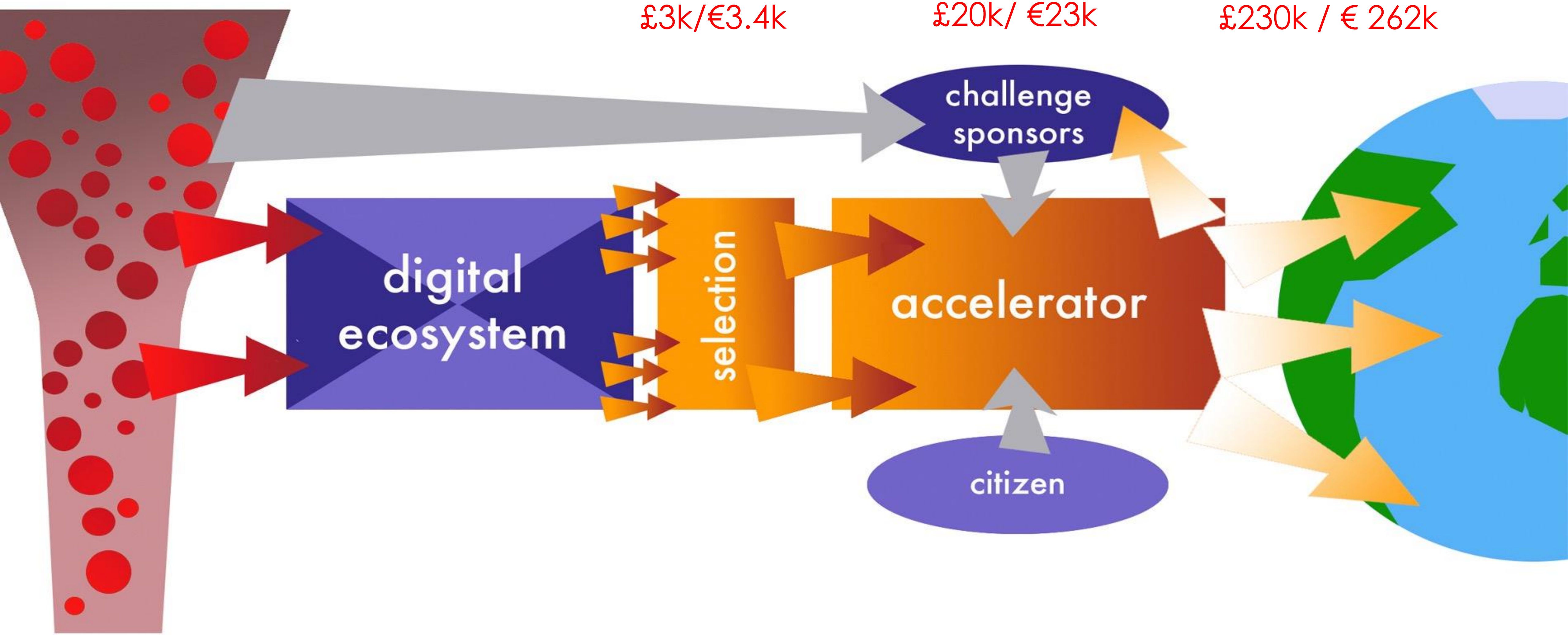
???

6-10 challenges

3 companies per challenge
£3k/€3.4k

1 company per challenge
£20k/ €23k

Contracts up to
£80k / €91k
£230k / € 262k



CivTech[®] {2.0}



Scottish Government
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How do we improve our flood warning capabilities?

RiverTrack

Flood alarms for at-risk communities



RiverTrack®

22 devices installed

Moniaive & Menstrie communities

EU2020 project

Gary Martin

gary@rivertrack.org

[@RiverTrackorg](https://twitter.com/RiverTrackorg)

How can we utilise tech to deliver smarter road capability?

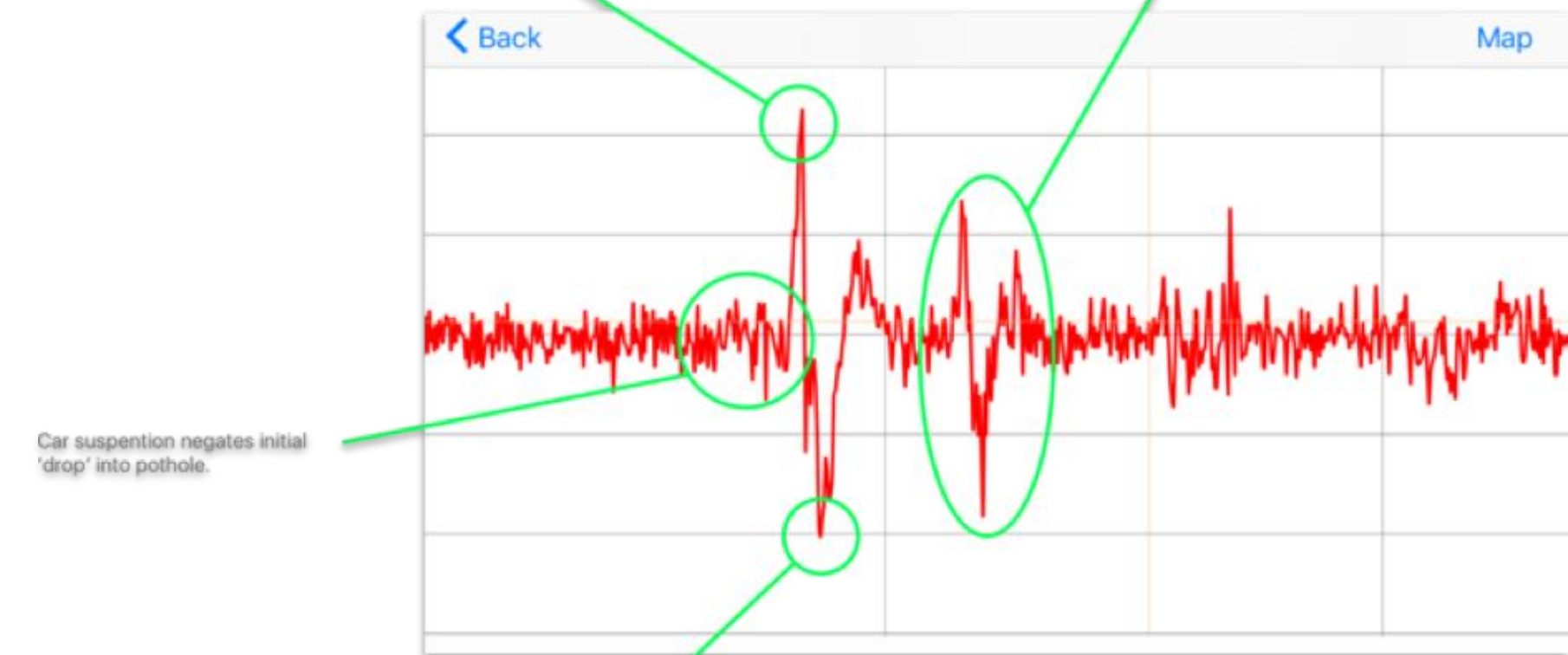
Road Intelligence

Road defect prediction system



Wheel hits front of pothole, car front raises on compressed suspension springs.

Back wheel hits the same pothole, phone in the front so signature is smaller.



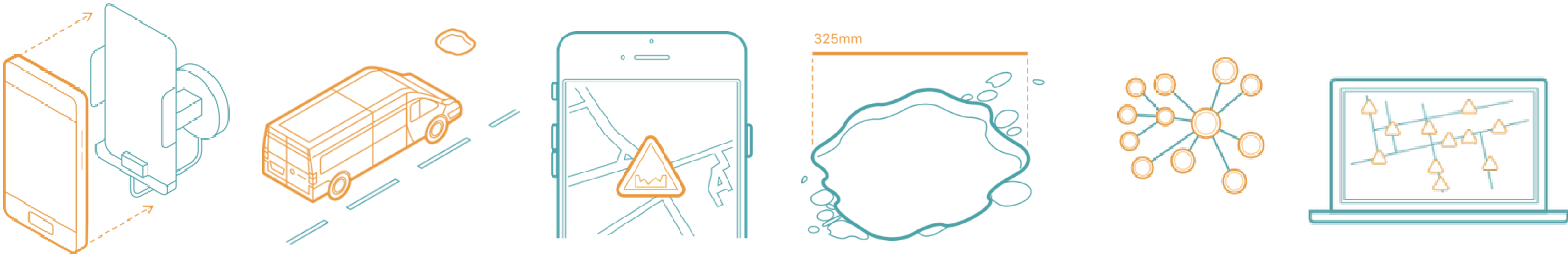
Downward force as suspension springs re-contract.

Road Intelligence



2018

Predicting potholes before they happen



CivTech®

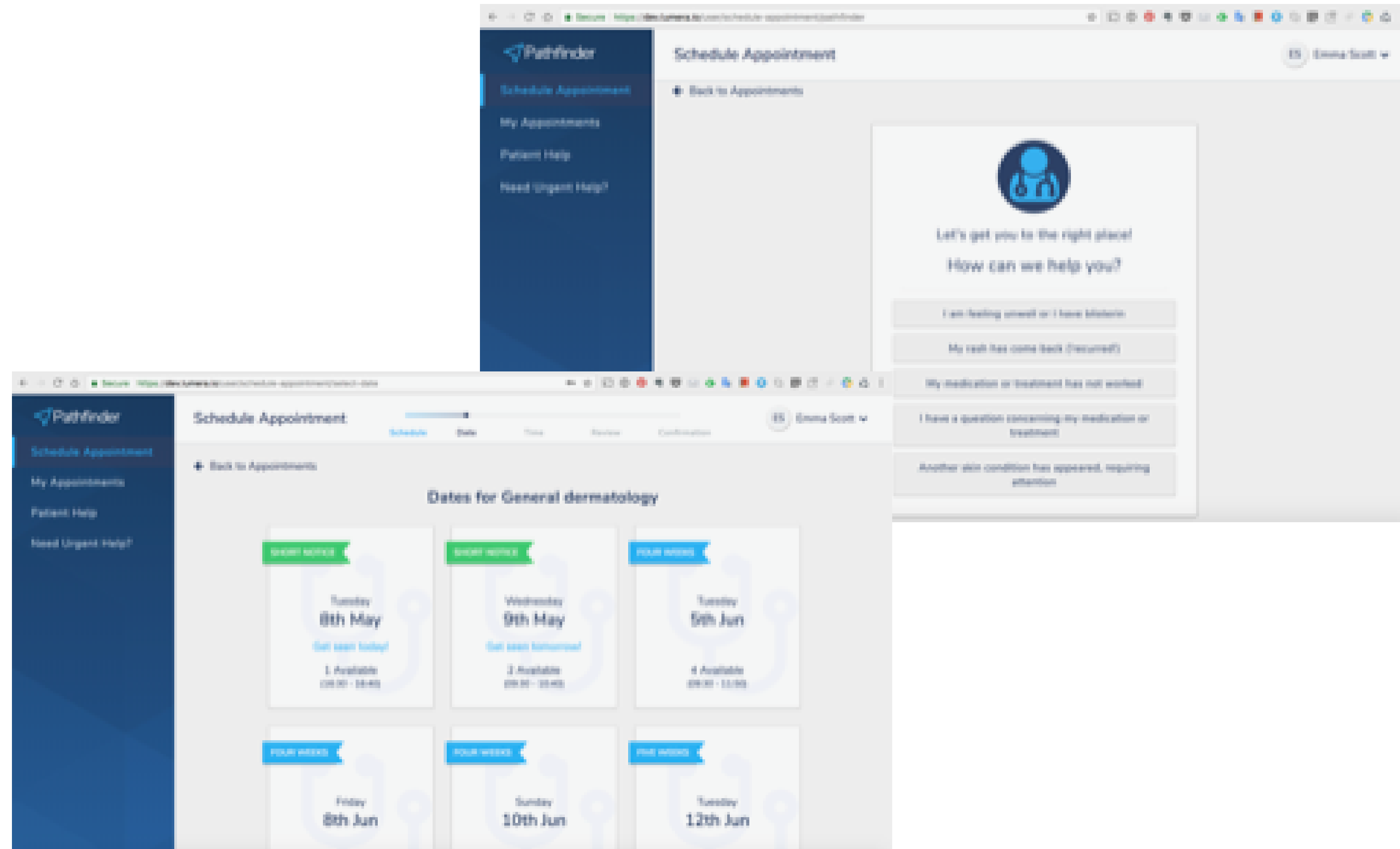




How do we create a smarter booking system for outpatients?

Lumera Health

Better triage underpins a better service





Better understand our data to improve all aspects of services?

Dogfish Mobile

Integrating data



The screenshot displays the Dogfish Mobile application interface. It features a sidebar menu on the left with categories: Customers, Tickets, Addresses, Businesses, Data, Toolkit, and Help. The main content area is split into two panels. The top panel, titled 'Customer Info', shows fields for Title (Mr), Forename (Edgard), Surname (Cullingford), Address Line 1 (18 Leny Road), Address Line 2 (Deanston), Postcode (FK166AP), Primary Contact Number (0782577777), and Secondary Contact Number. The bottom panel, titled 'Business', shows a business named 'Simons Pizza' with two addresses: '13 Leny road, Deanston, Doune, FK166AP' and '18 Leny Road, Deanston, FK166AP', and a business owner 'Edgard, Cullingford, 0782577777'. Below these panels are sections for 'Add Customers' and 'Add Addresses', each with a search input field. A 'Save Changes' button is located at the bottom right of the interface.

HOW COULD WE
HAVE PROCURED
WHAT WE DIDN'T
KNOW EXISTED?

CivTech® {3.0}



CivTech[®] {3.0}

C1: Scottish Anti-Illicit Trade Group
How can tech help stop illicit trading?

C2: Glasgow City Council
How can we better connect people and places through public transport to address social isolation?

C3: Stirling Council
How can technology help us improve services by better understanding investment requirements for our public buildings?

C4: Scottish Housing Regulator
How can we use data to drive up standards in social rented housing?

C5: Scottish Natural Heritage
How can we use tech to enhance engagement with the outdoor environment in Scotland?

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C6: NHS NSS

How can we transform the re-use of products for NHS Scotland?

C7: NHS NSS

How can we make the NHS waiting time system more efficient and effective?

C8: Scottish Government Digital Directorate

How can we improve the monitoring of staff satisfaction, happiness and wellbeing?

C9: Scottish Government Digital Planning

How can we use technology and data to improve the reach and quality of public engagement in the planning system?

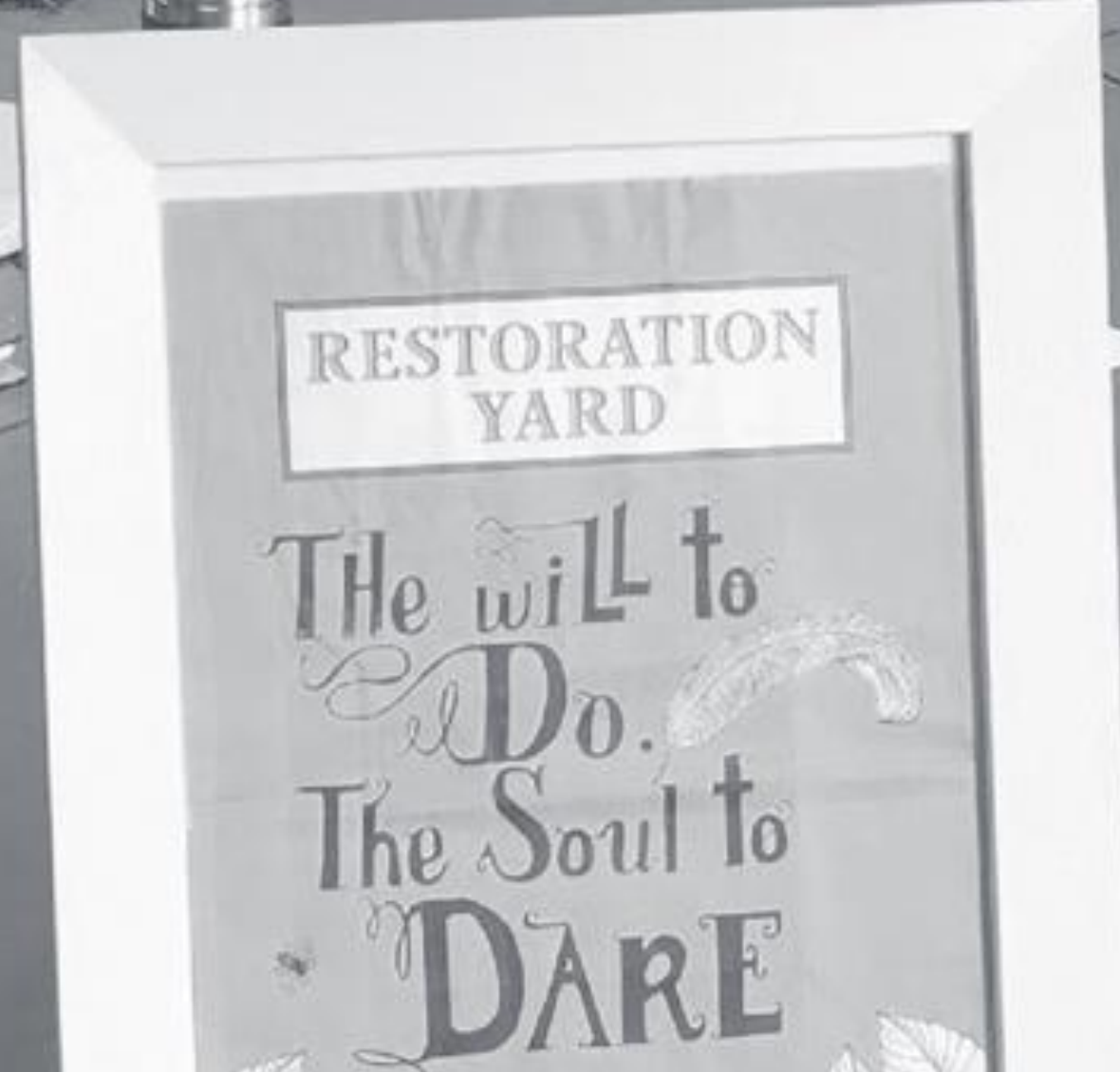
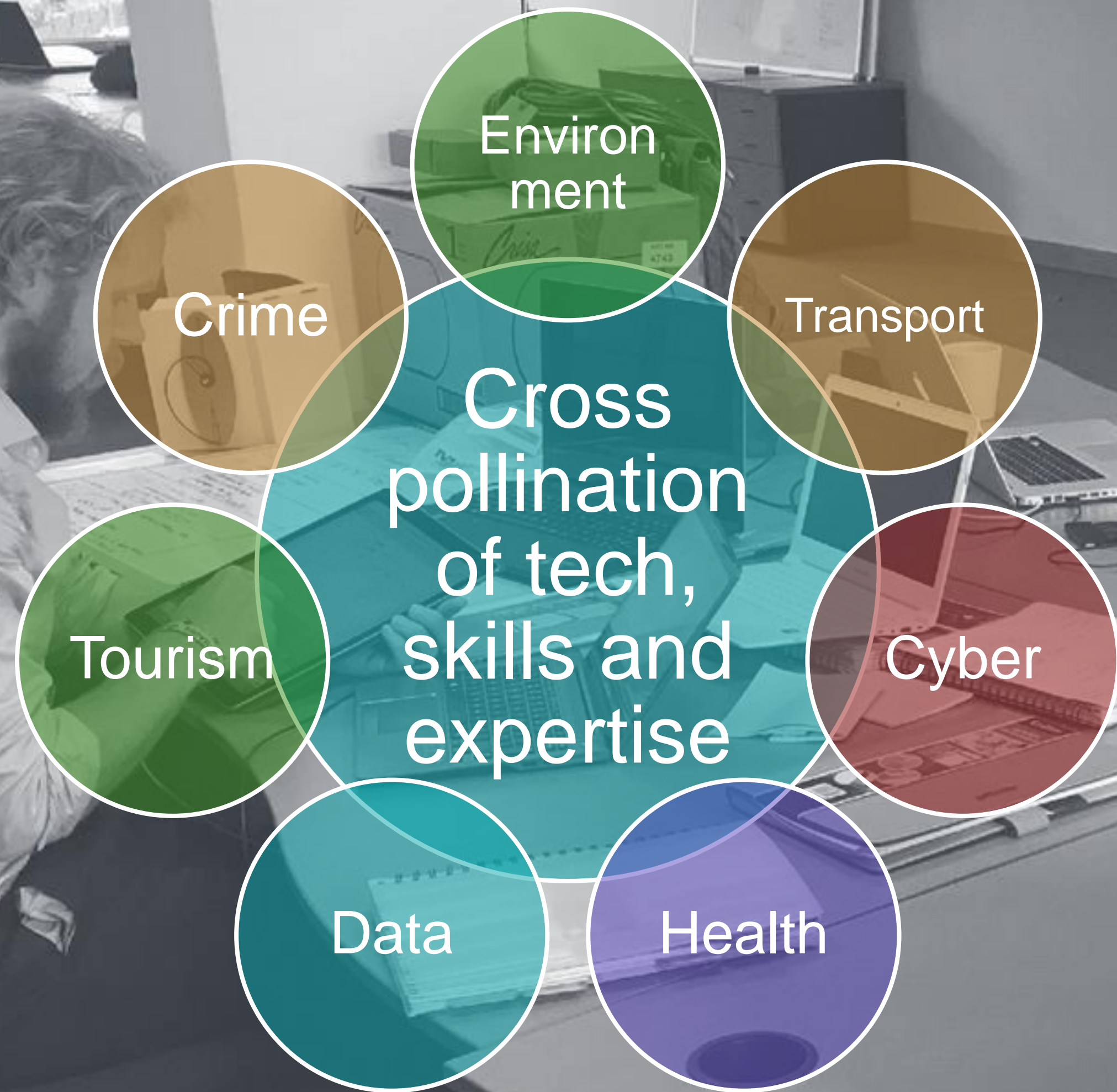
C10: YoungScot

How can tech help young people manage their digital footprint?

Lesson learnt

Start with the problem
not the solution

Cross-pollination



CivTech[®] Intrapreneurship Leaders Programme



Lesson learnt

Collaborate with
EVERYONE!!

IMPACT

“Exemplar” – GovTech Catalyst – UK Gov – 2018

“Hugely successful” – TechNation Report – 2017/18

“Role model” – RSA & Innovate UK – 2017

“Impressive...a lot that Victoria can learn from.” – Special
Minister for State, Victoria, Australia – 2017

Challenge Sponsors:

Nation Health Service Scotland –

“**Re-wired our brains** as to how we view problems”

Gov agencies **running procurements** more innovatively

Stirling Council **cost avoidance** of £1.5m

2 cohorts
2016/17

£1.1m / €1.25m

CivTech contracts

16/18

Still
operational

£1.33m/

€1.5m

Subsequent
contracts

51/36.5fte

New jobs
created
(excl. founders)

£908k

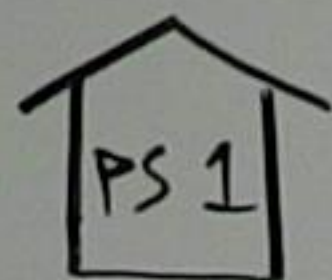
Investment
raised

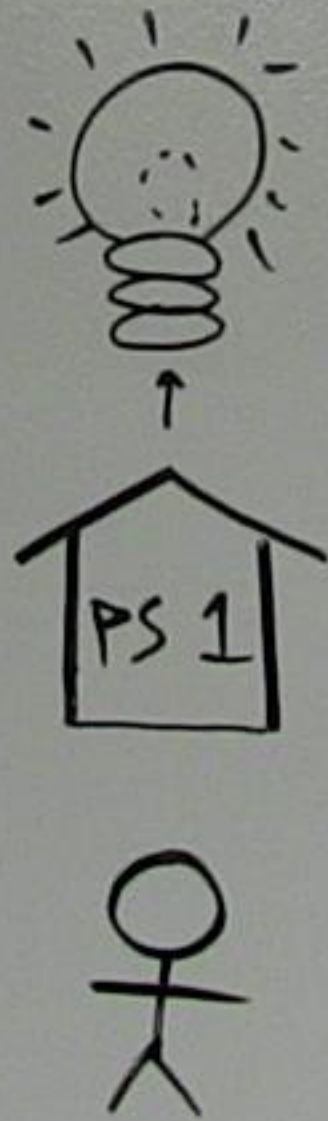
“I am so **inspired** by what I have seen at CivTech®. It is truly transformative. It has **changed the mindset** within procurement and I want to evangelise for this kind of work across the Scottish Government and our agencies.

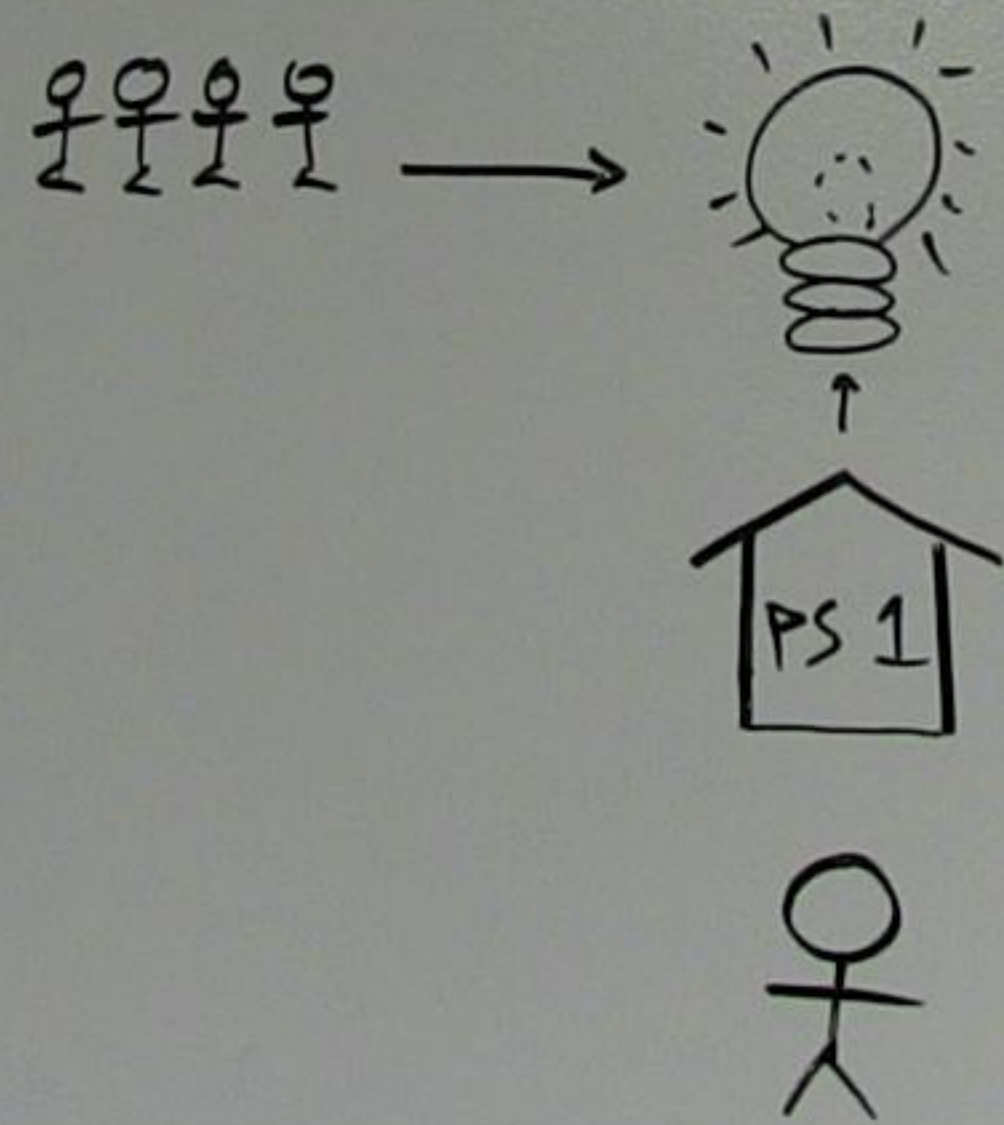
It is a **game changer** and is **disrupting public sector ways of working** in the way digital is disrupting the private sector. It is transformative to the point where I want us to revisit our systems to make sure **this kind of project can flourish.**”

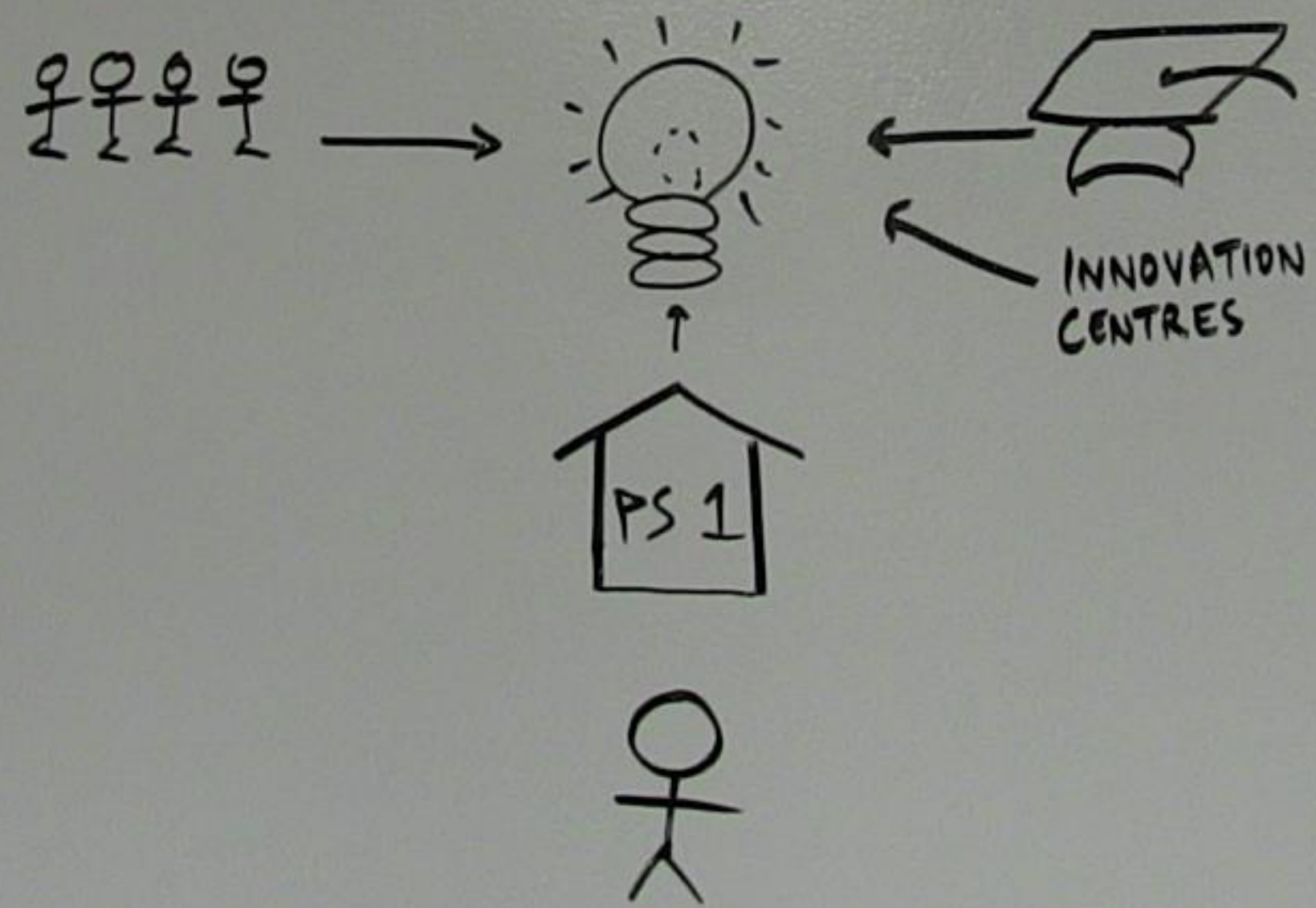
Cabinet Secretary for Finance and the Constitution

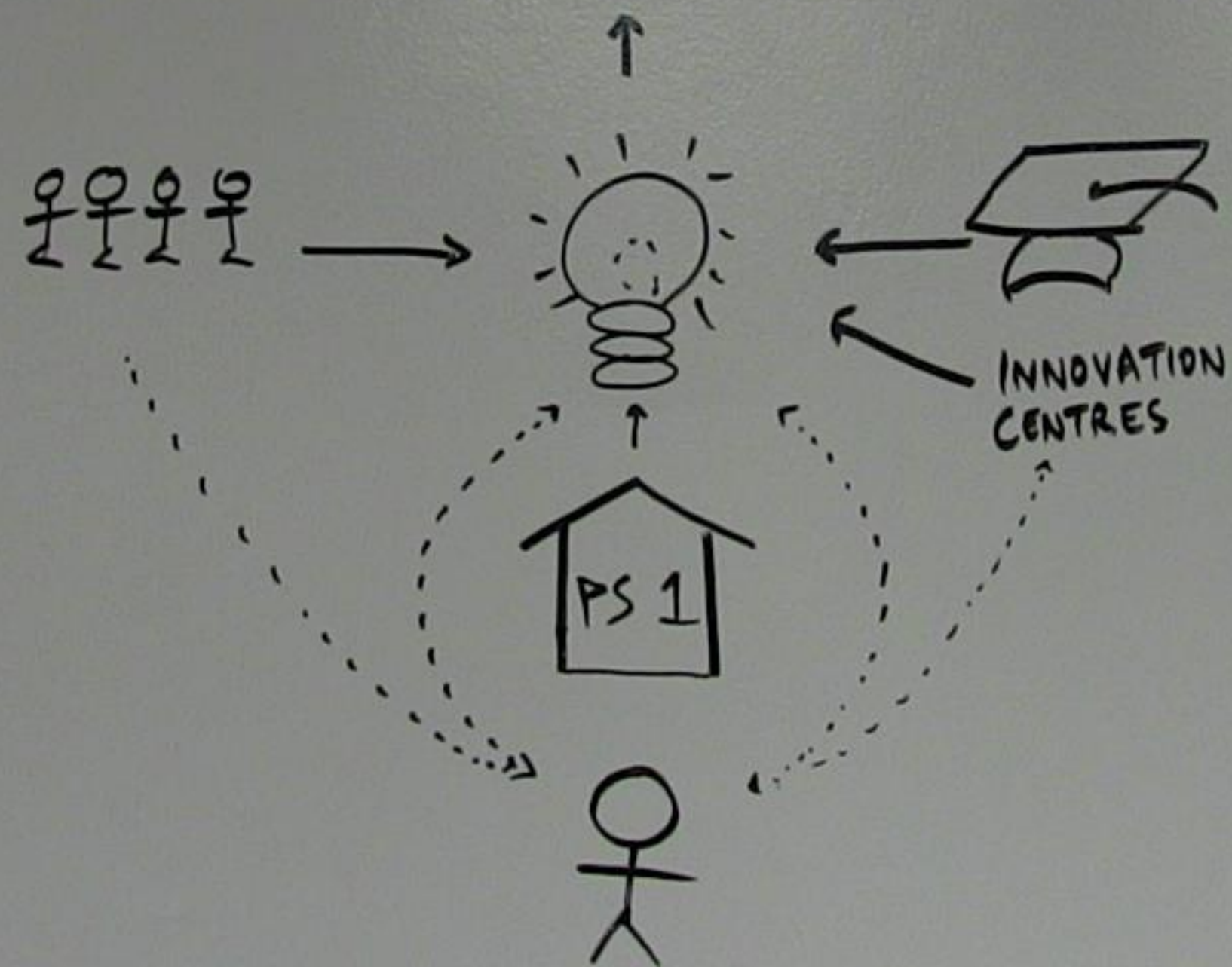
OK

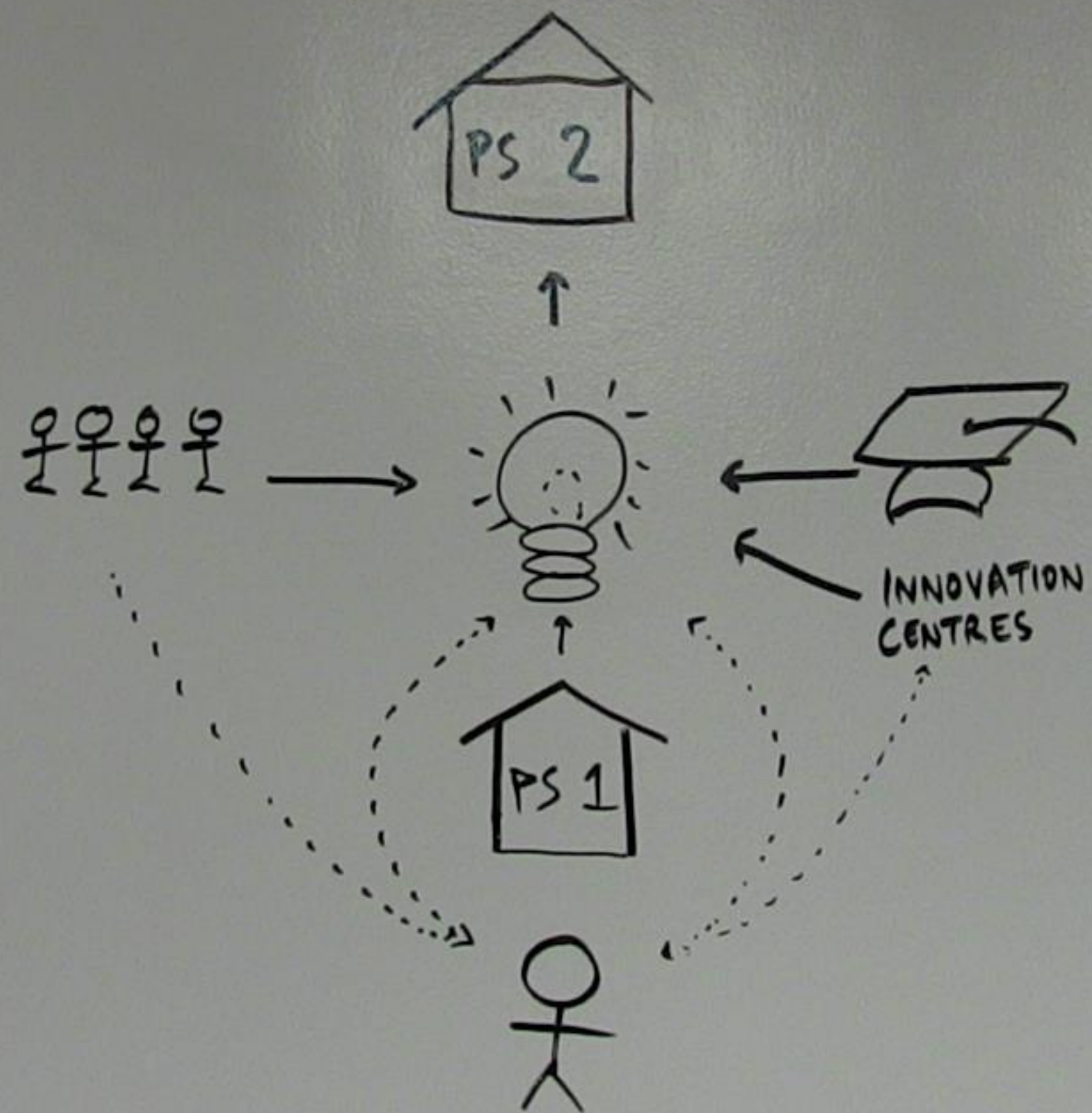


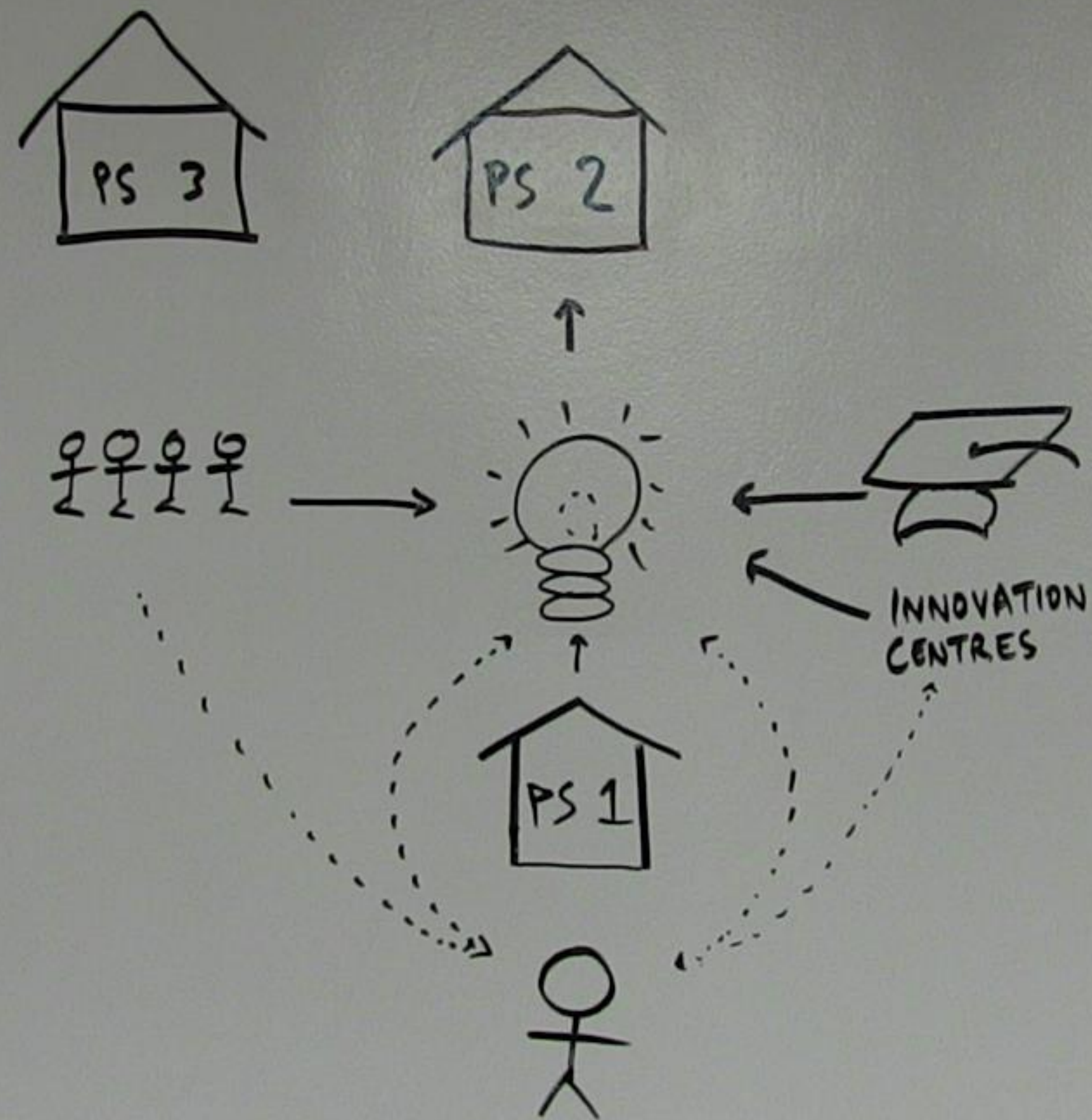


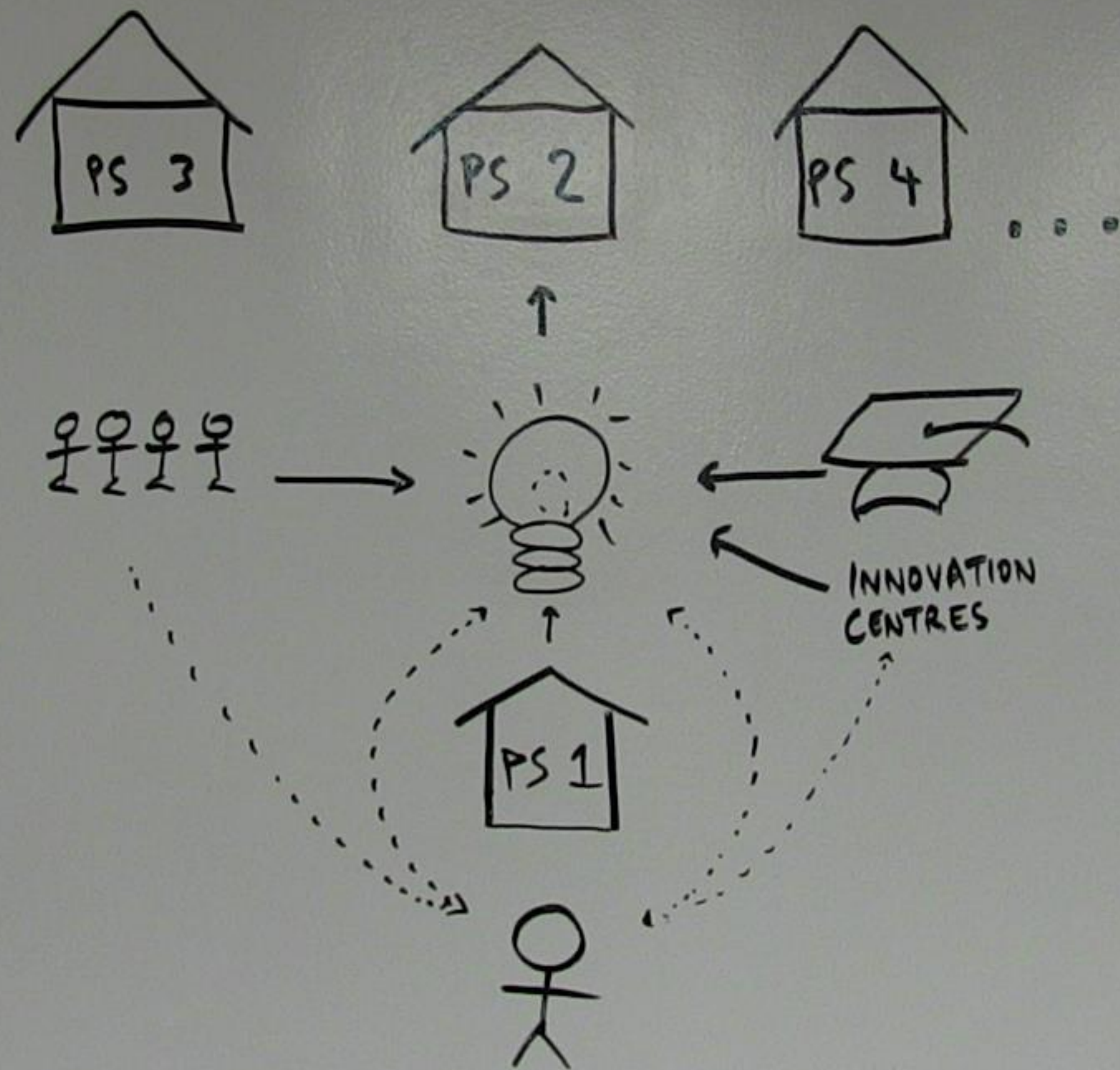


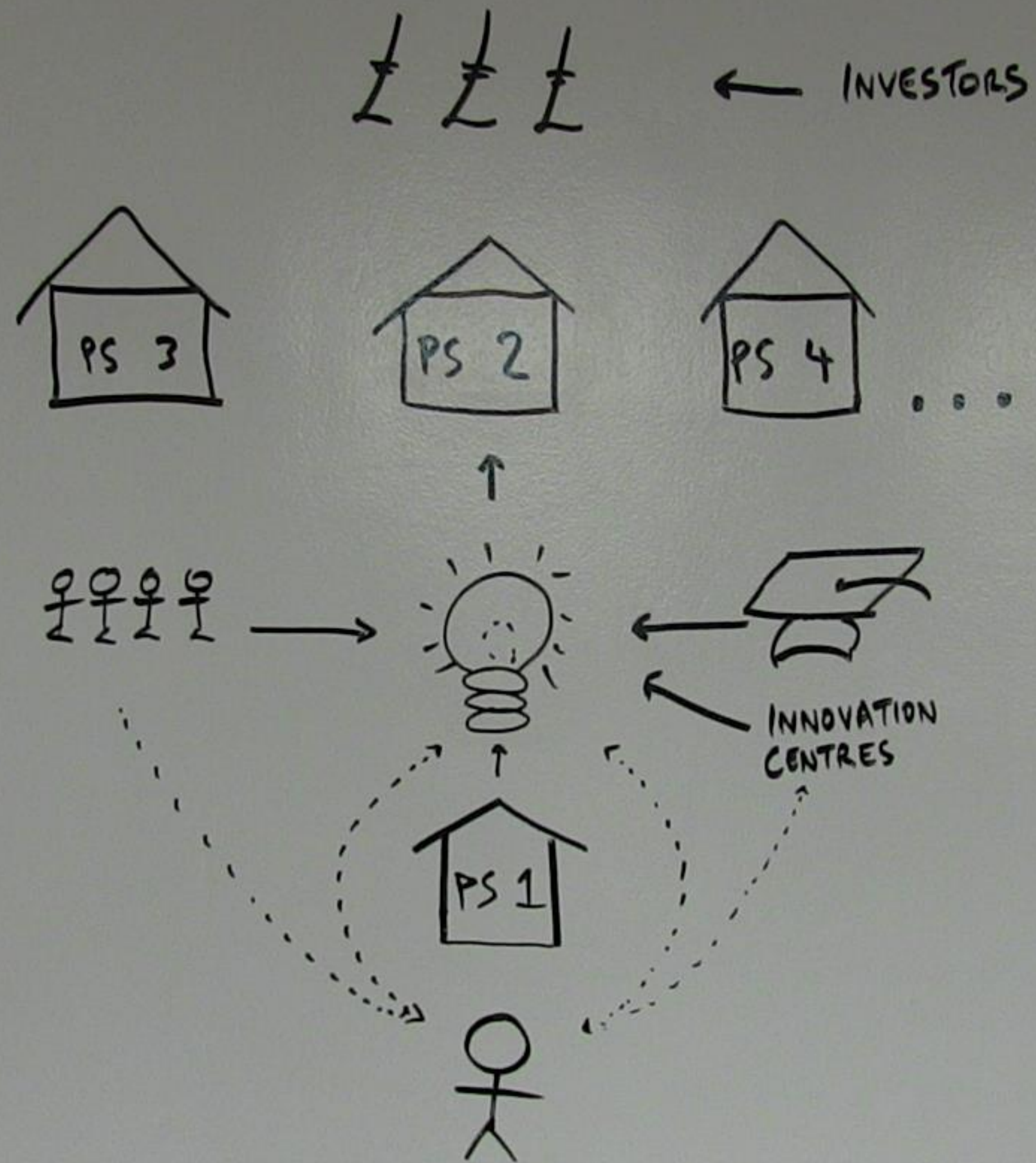






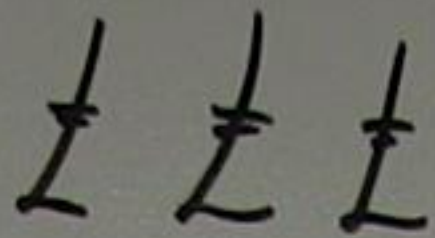




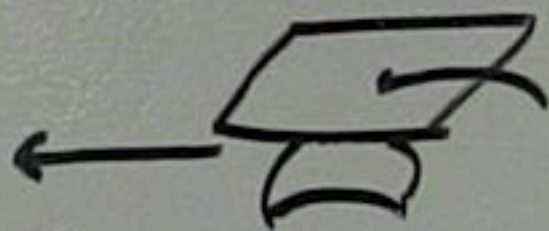
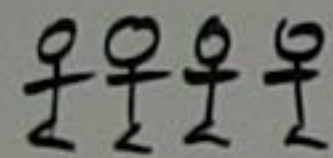
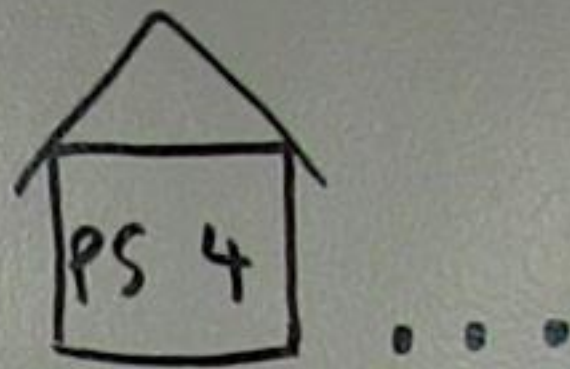
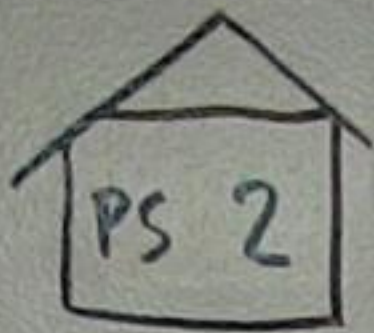
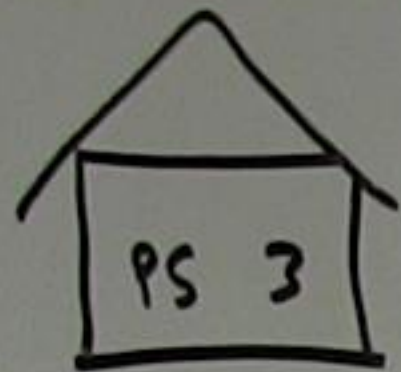




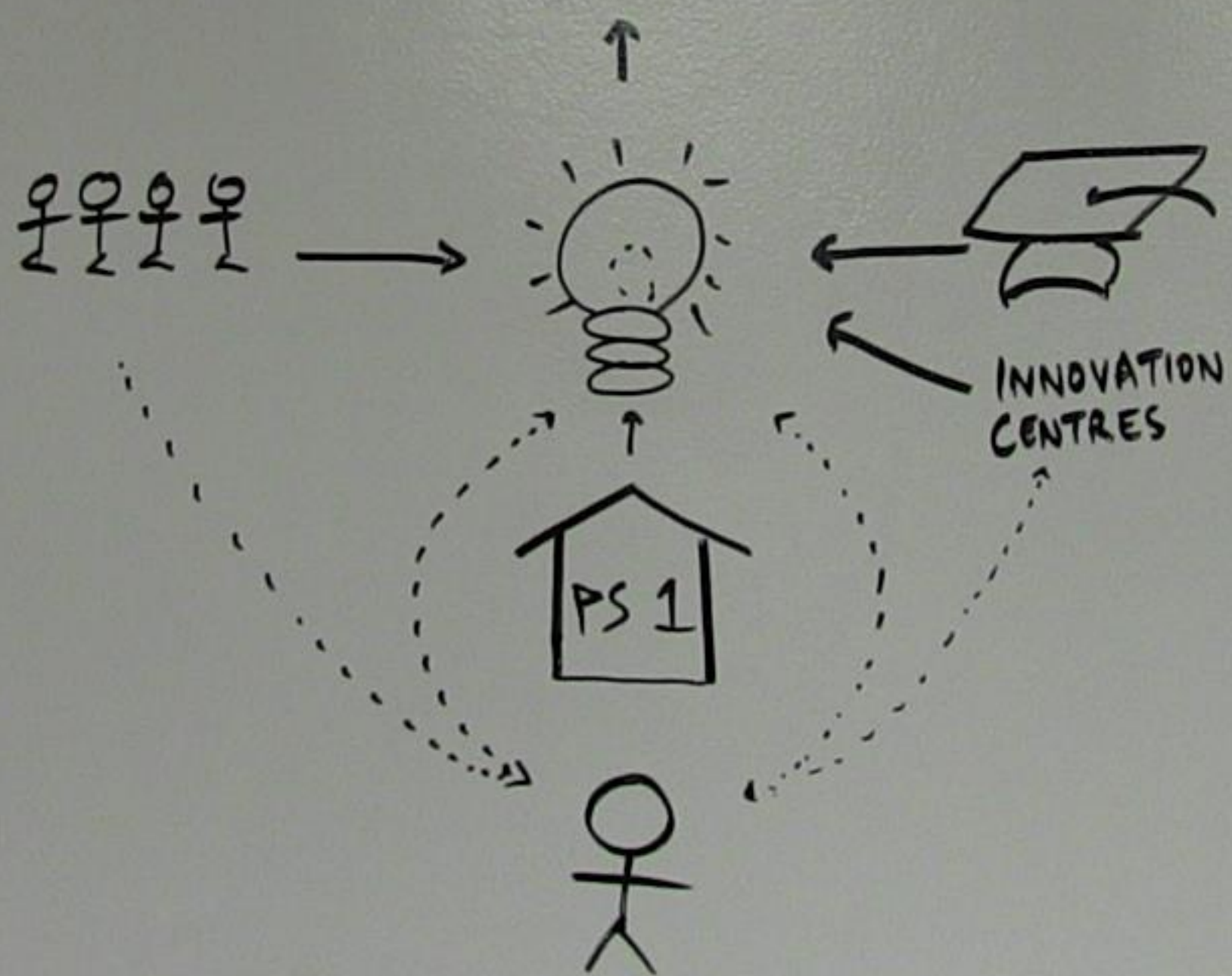
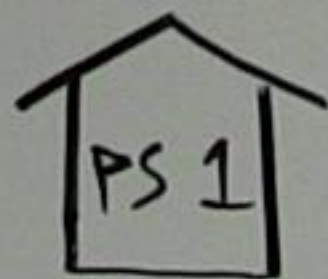
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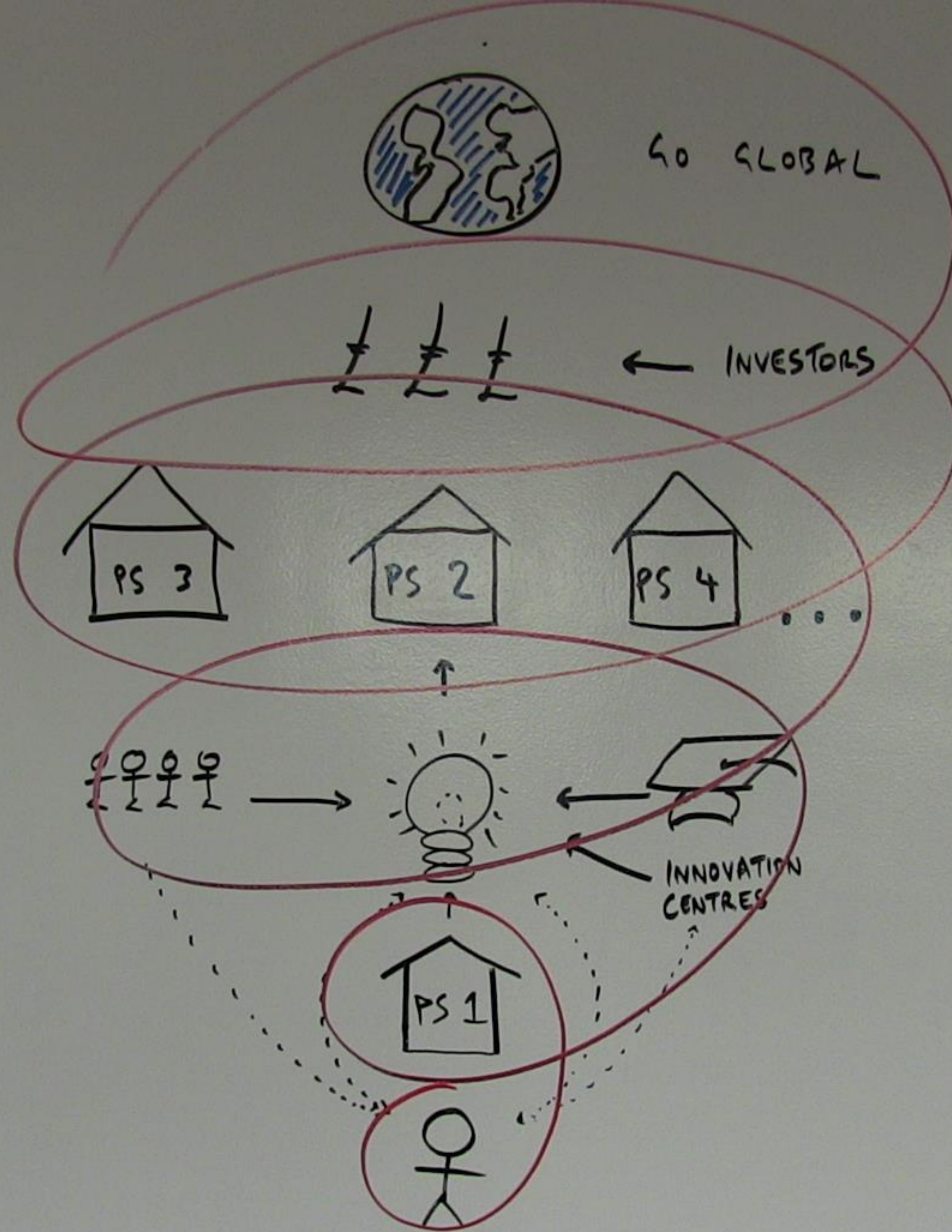


← INVESTORS



INNOVATION CENTRES



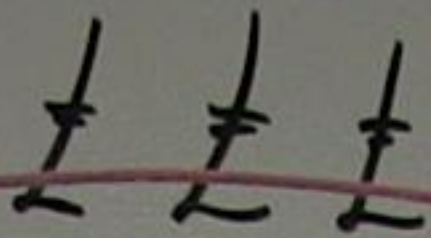


PRODUCTIVITY

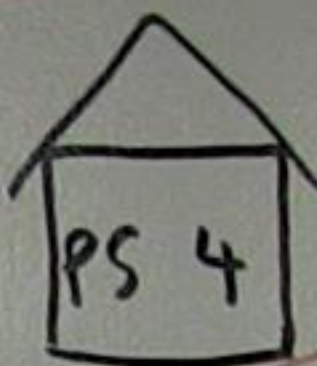
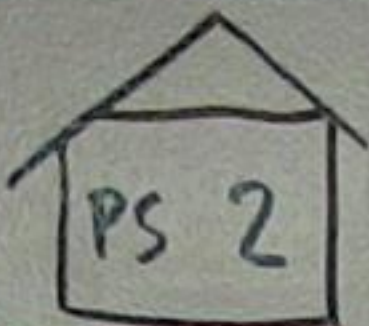
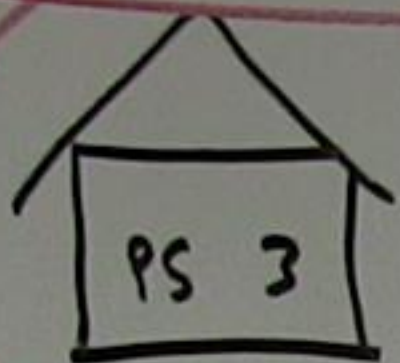
TRUST



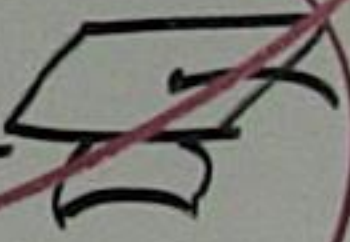
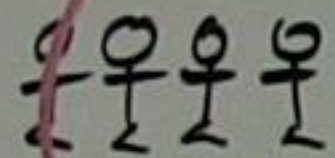
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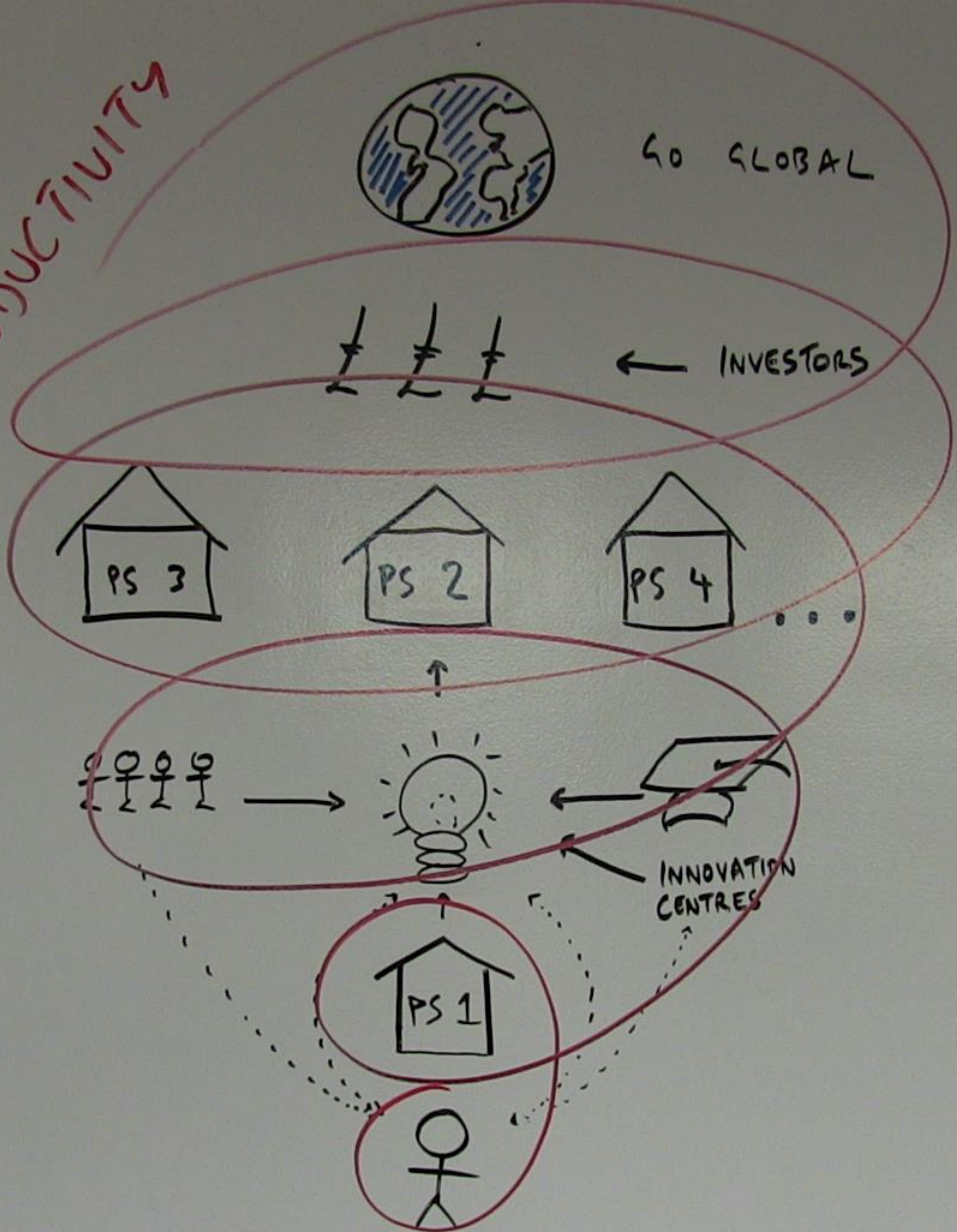
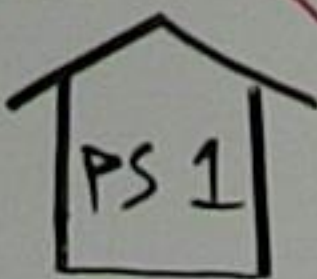
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INNOVATION CENTRES

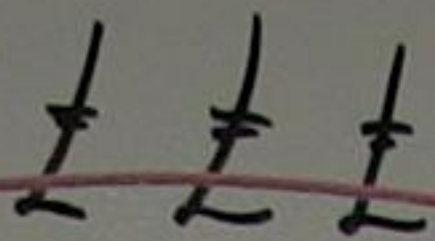


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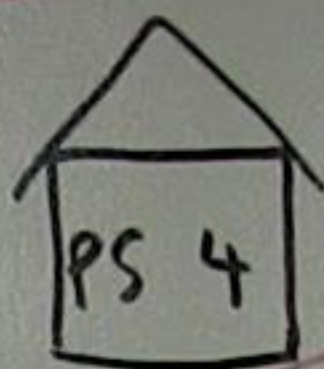
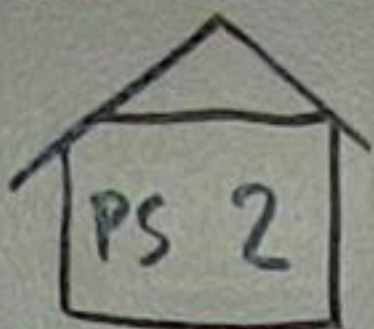
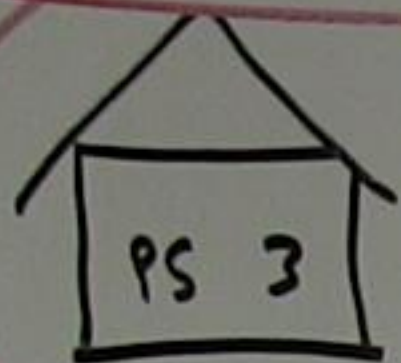
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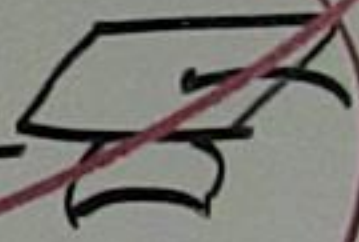
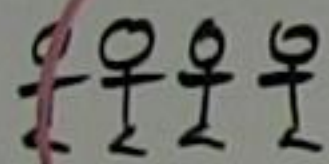
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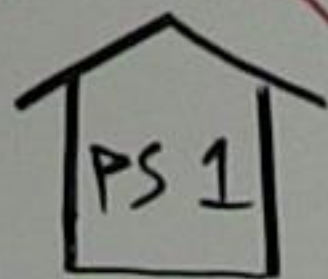
← INVESTORS



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INNOVATION CENTRES



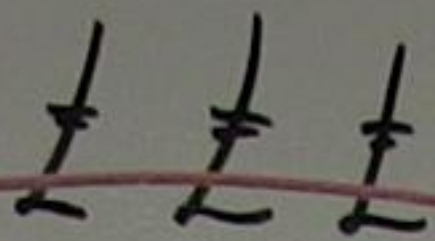
UR+E

PRODUCTIVITY

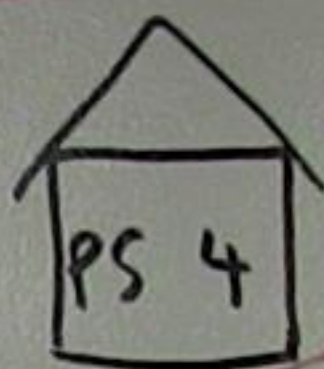
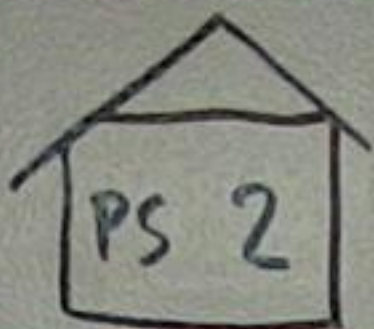
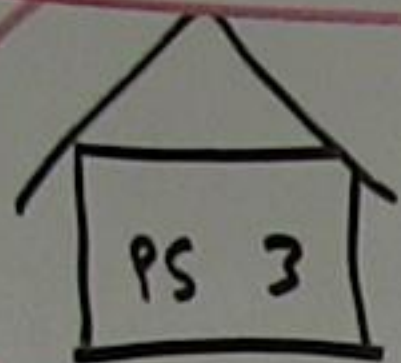
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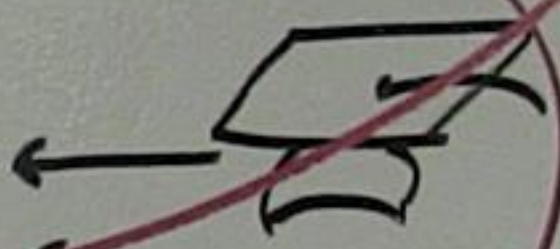
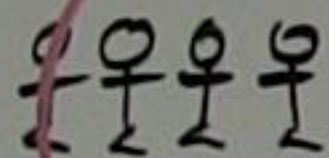
GO GLOBAL



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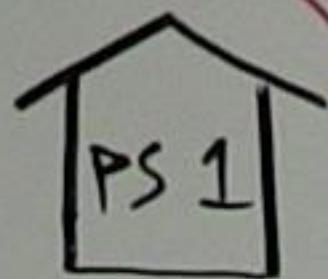


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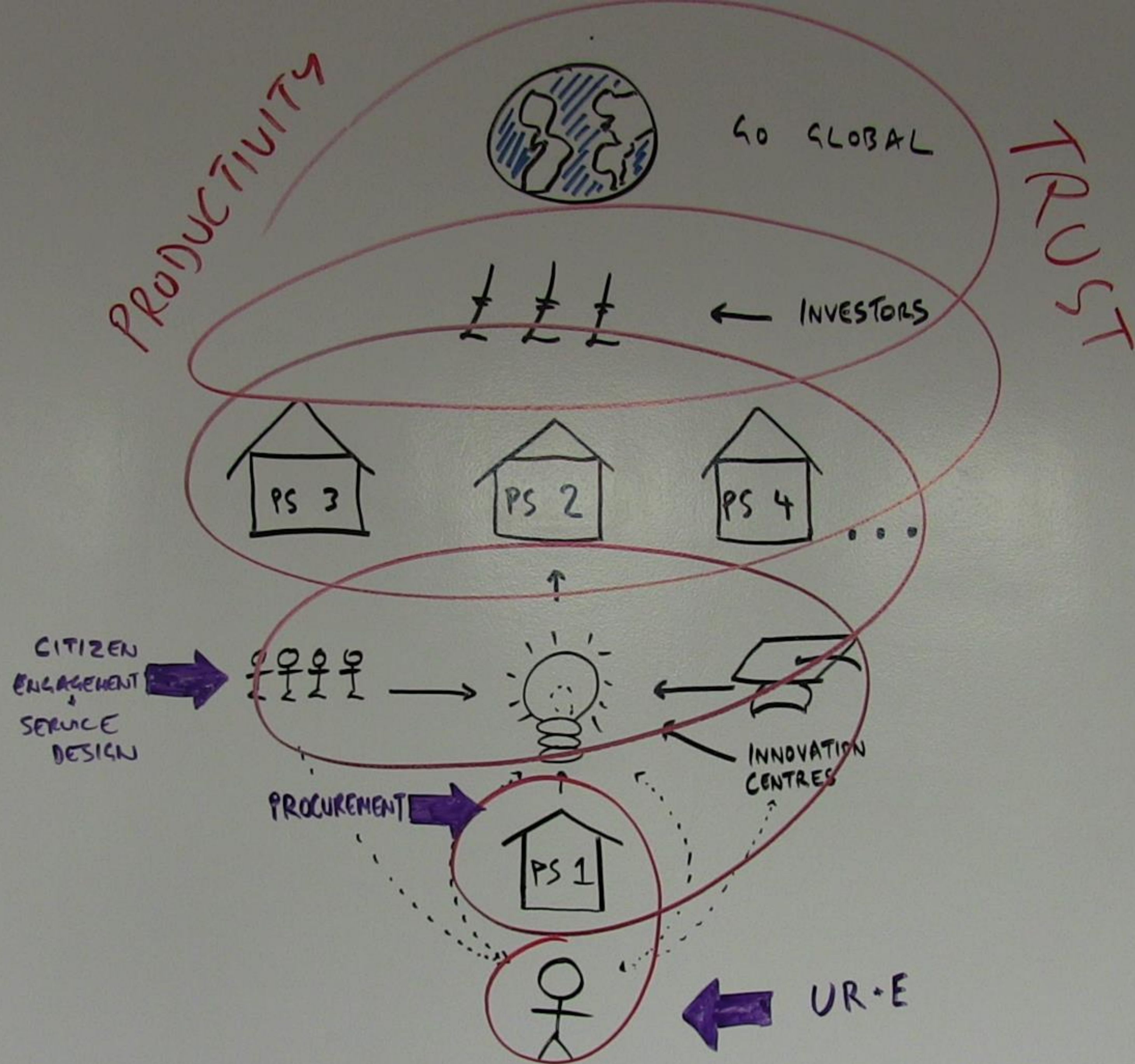


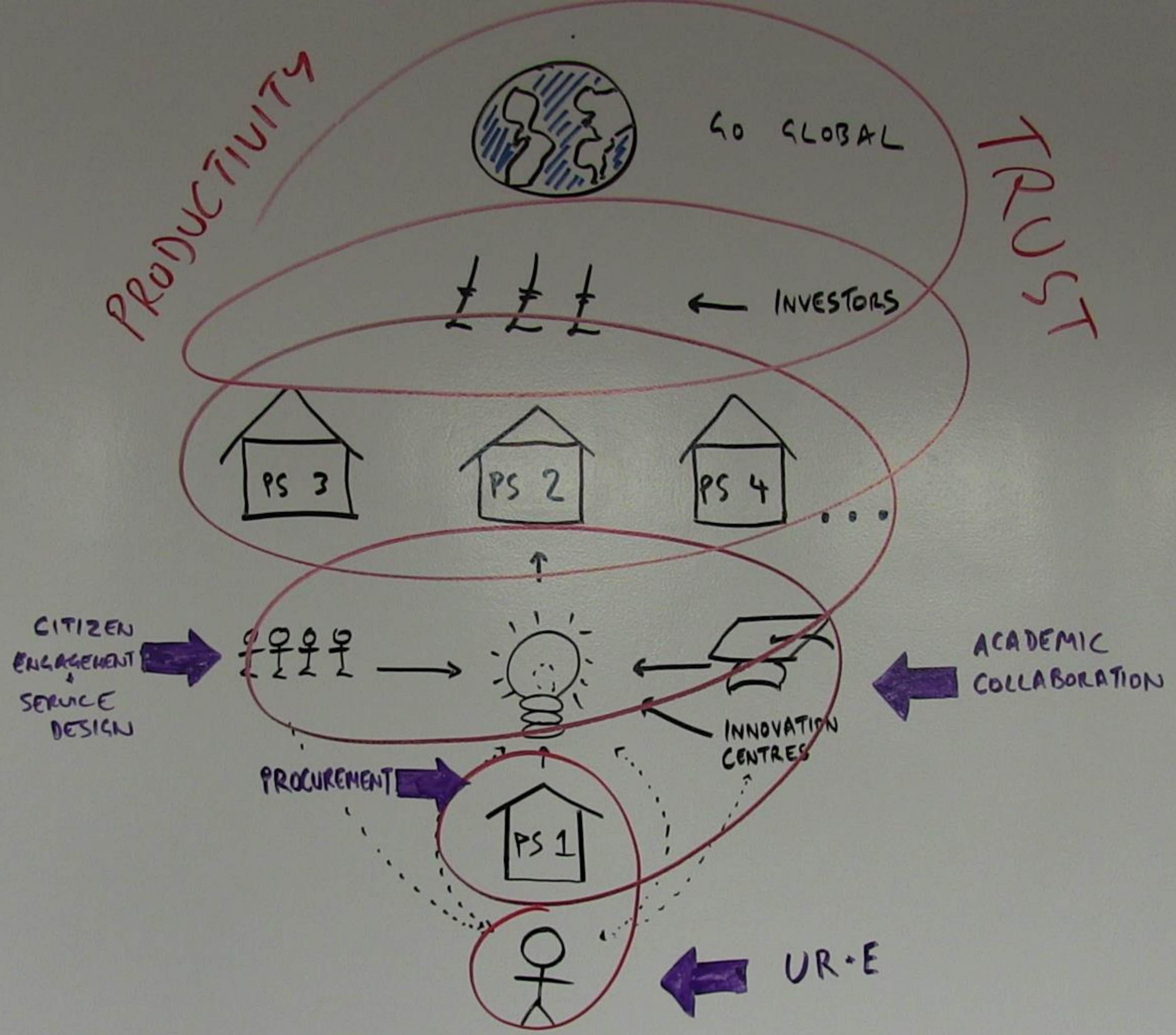
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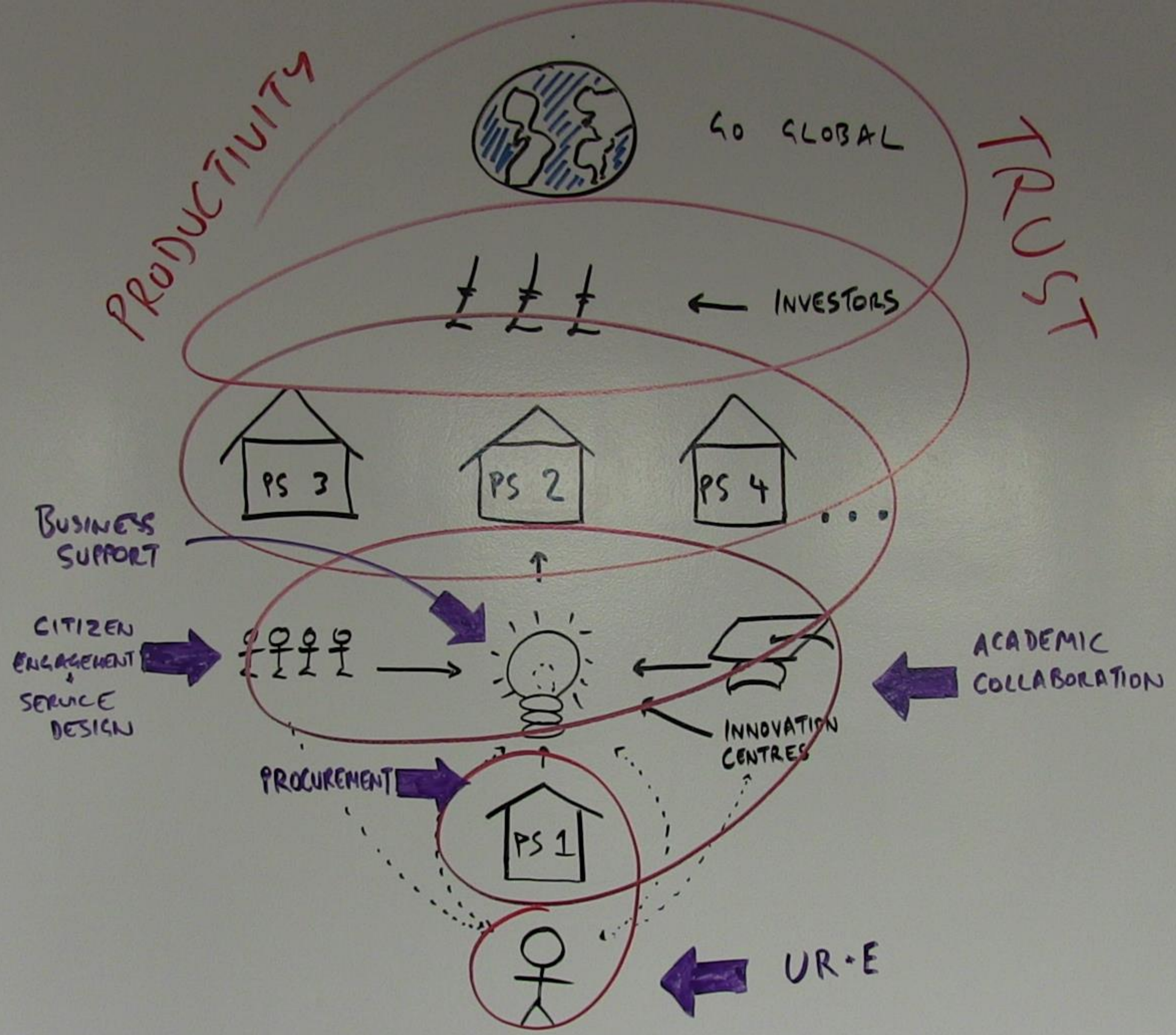
PROCUREMENT



UR+E





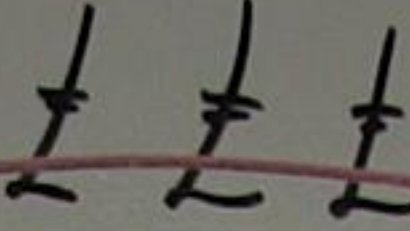


PRODUCTIVITY

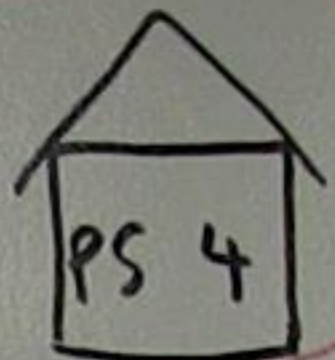
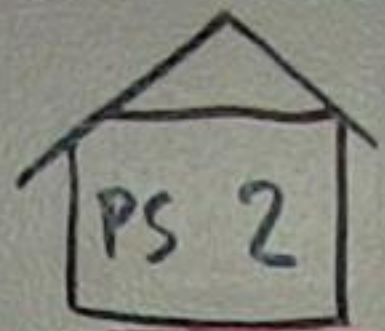
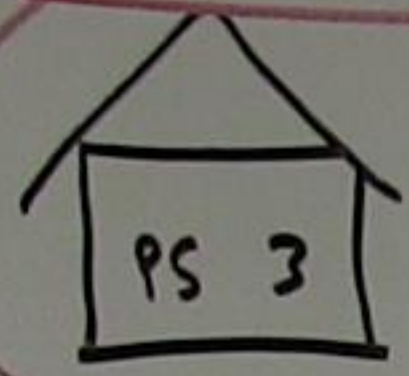
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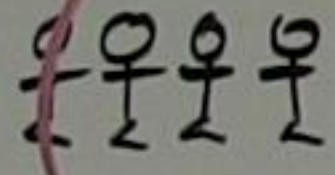
INVESTORS



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BUSINESS SUPPORT

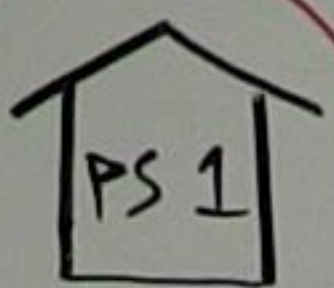
CITIZEN ENGAGEMENT SERVICE DESIGN



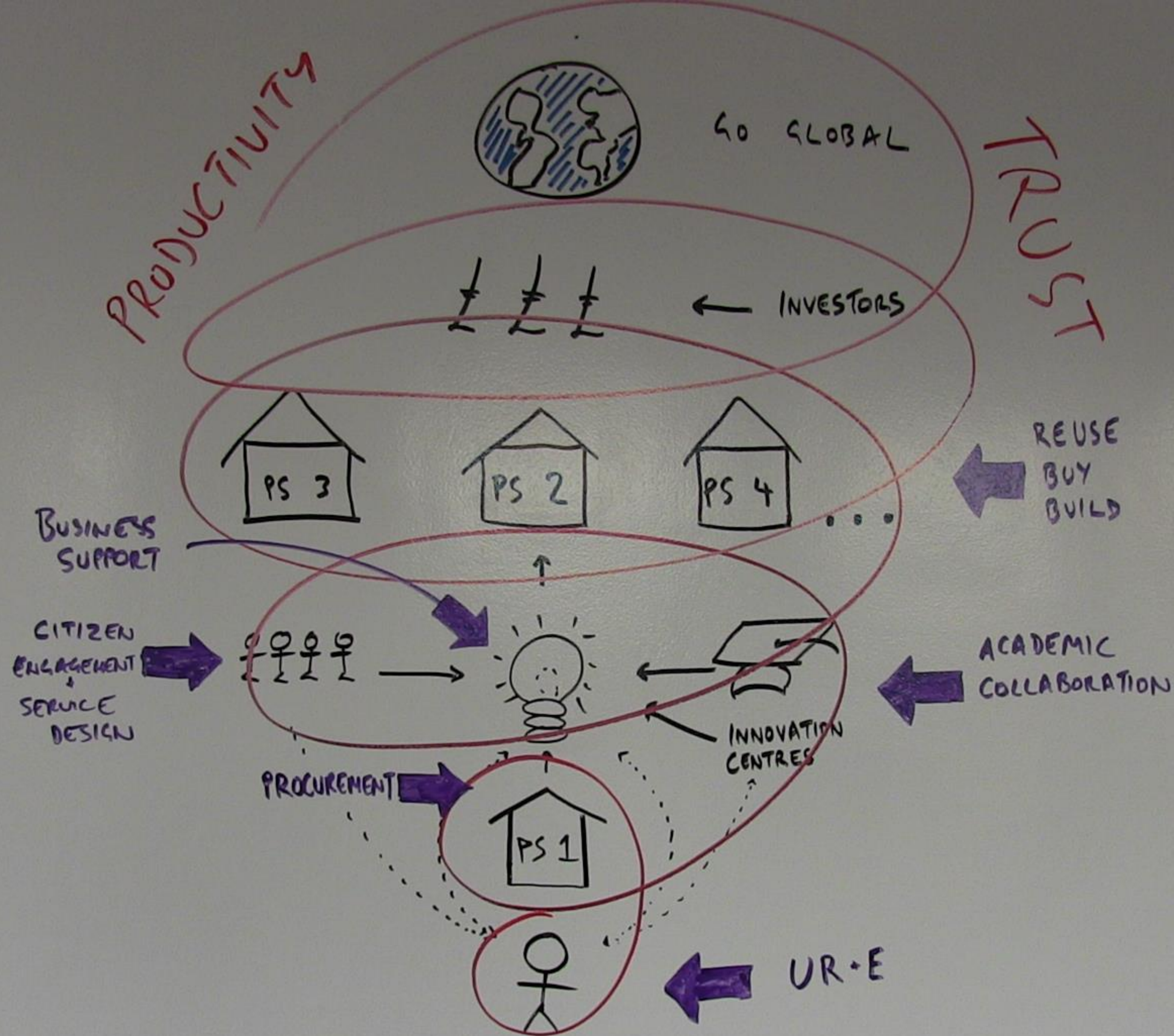
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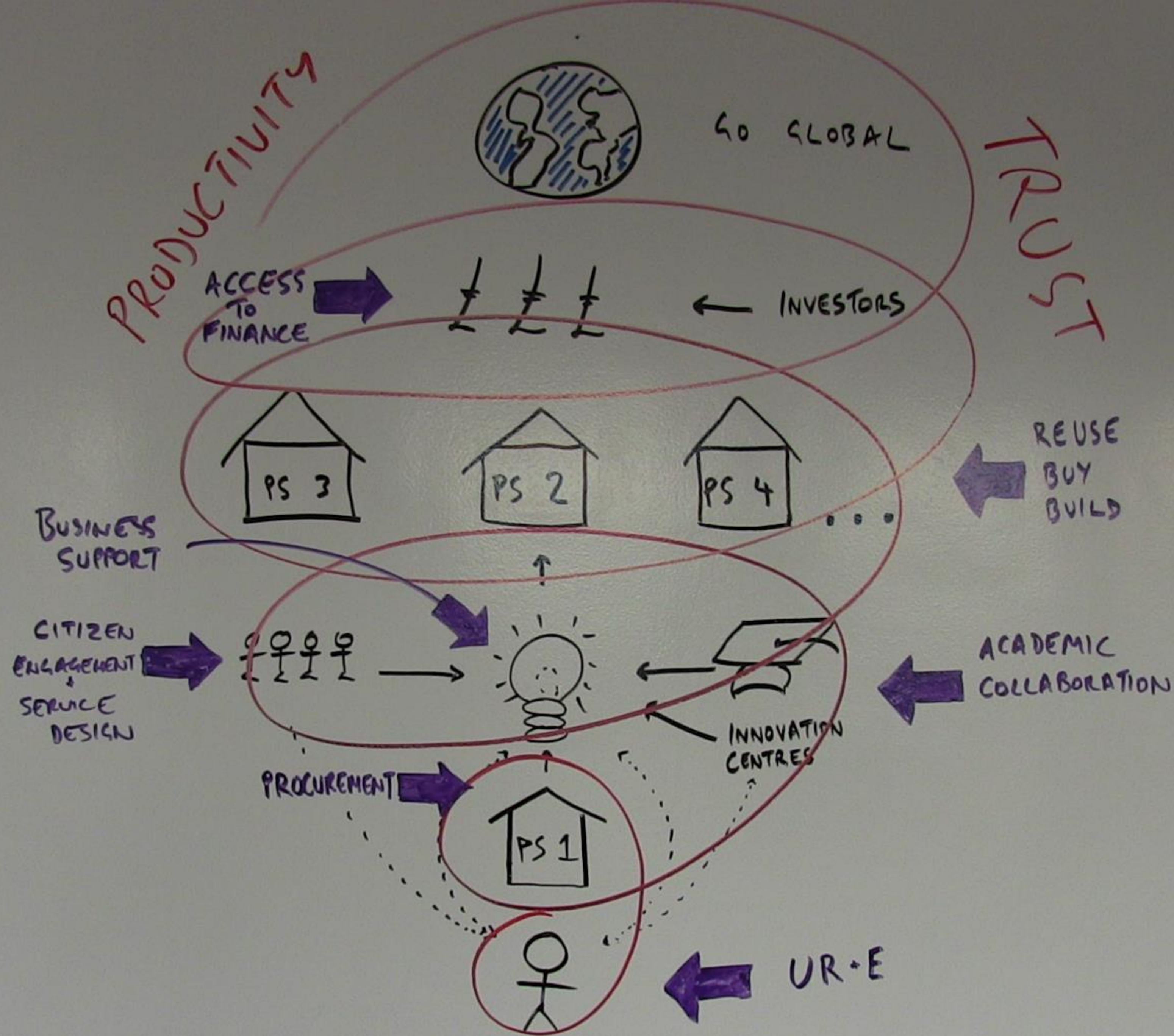
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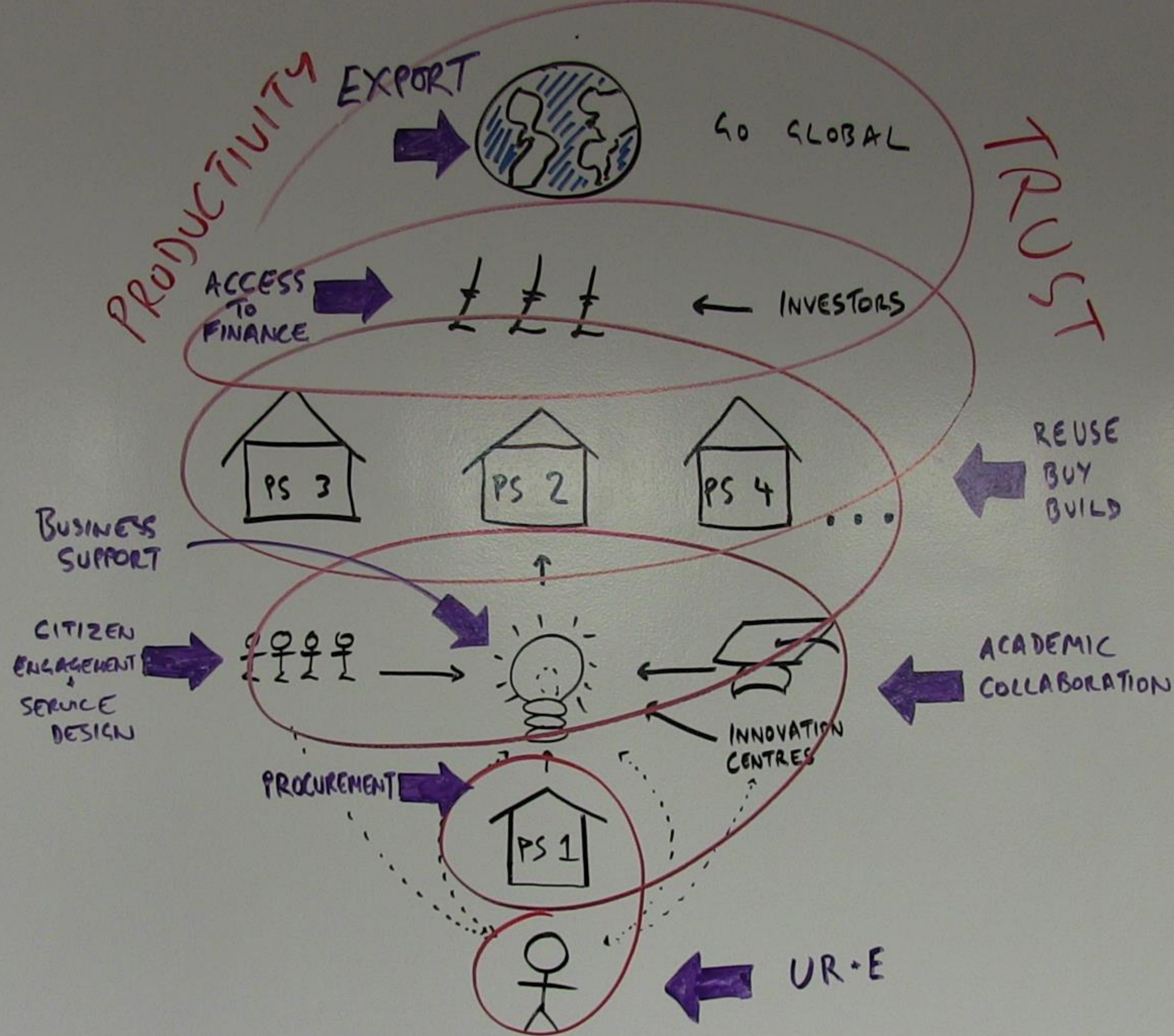
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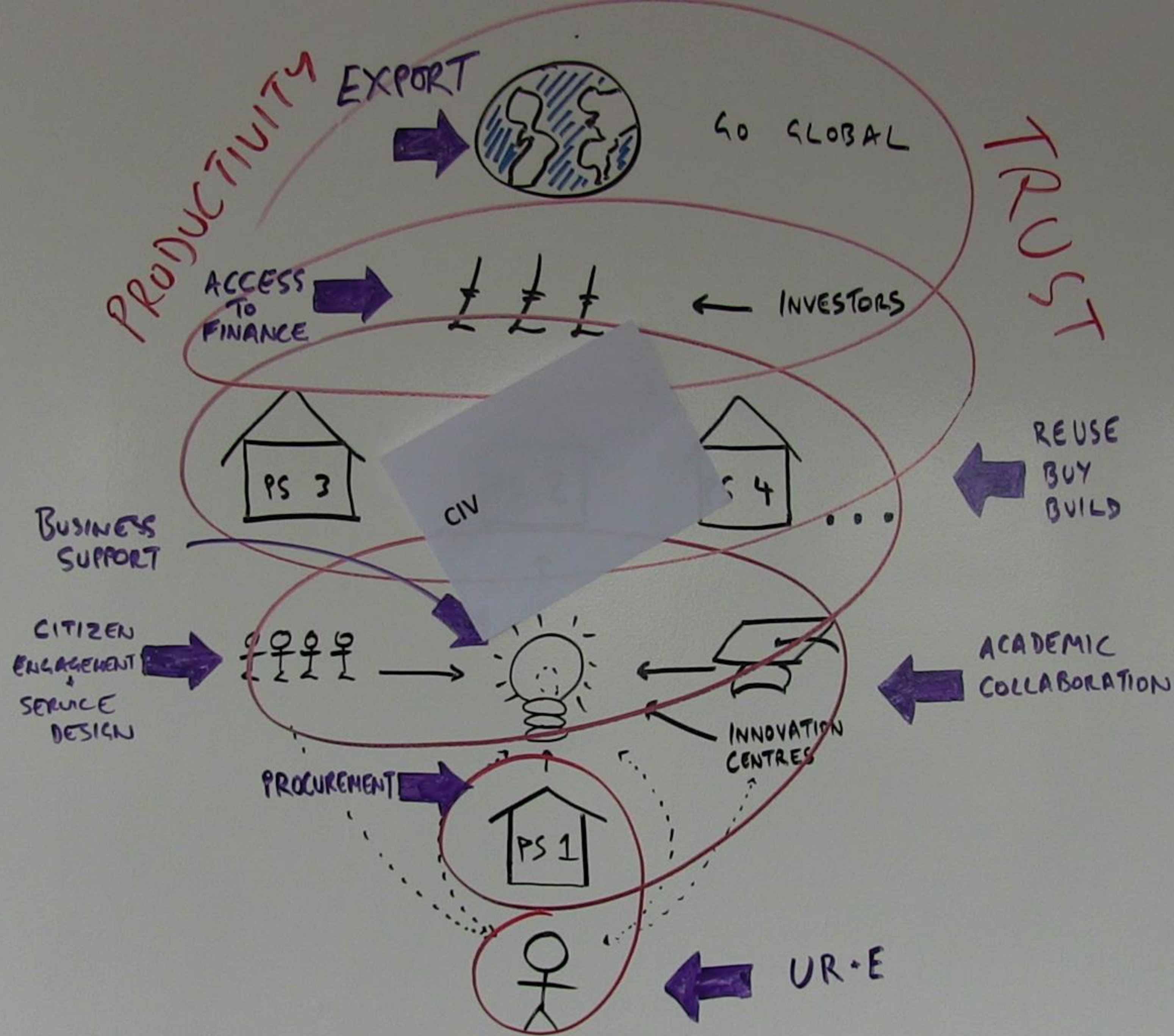


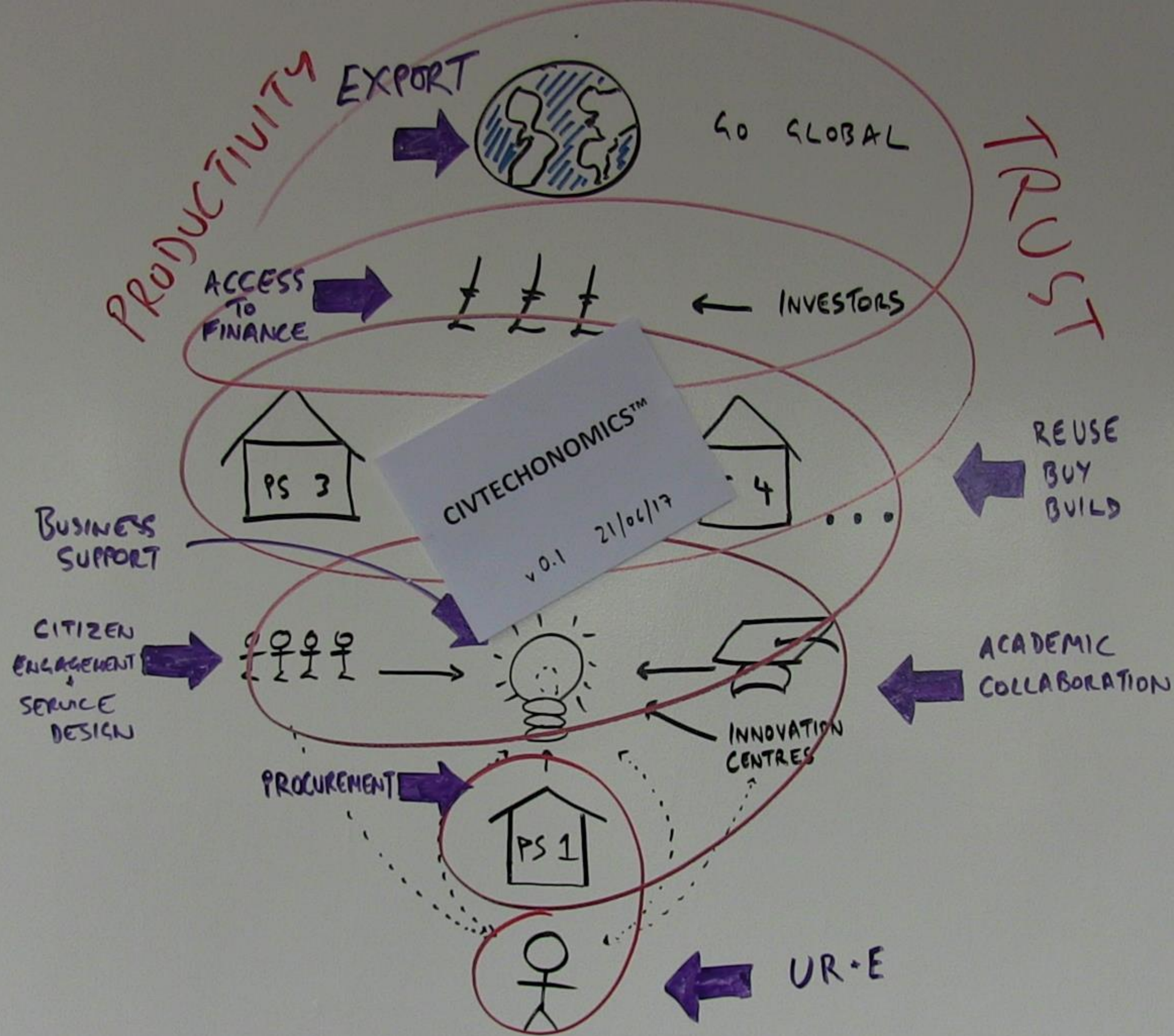
UR+E











MOVING FROM SANDBOX TO WIDESPREAD ADOPTION

Lesson learnt

Adopt a 3 > 1
procurement approach

**PLEASE SHARE:
APPLICATIONS
CLOSE 2ND JULY**

CivTech[®]

alexander.holt@gov.scot

**Driving daring and innovation
in the public sector – please
come and have a chat**