

'BLOCKCHAIN FOR GOVERNMENT' COUNCIL



All Party Parliamentary Group on Blockchain (APPG Blockchain) launched a 'BLOCKCHAIN FOR GOVERNMENT' COUNCIL on 16th July 2018 to explore how UK Government services best take advantage of the major opportunities of Blockchain and other distributed ledger technologies (DLTs)

We **PROTOTYPE** and present to Government what an implementation **ROADMAP** could look like for 15 areas:

<u>TARGET PARTICIPANTS</u>	1. National Identity Management Systems
GOVERNMENT MINISTERS	2. Tax and Internal Revenue Monitoring
PARLIAMENT	3. Post Brexit border control of trade
CIVIL SERVICE	4. Work and Pensions
CHIEF SCIENTIFIC ADVISORS	5. Grants and student loans
EXPERTS	6. Land Registration and Property
	7. Intellectual Property Rights
	8. Public procurement
	9. Voting and democracy
	10. Secure Banking Services
	11. Healthcare
	12. Education and skills
	13. Sport
	14. Justice and Tribunal Services
	15. Environment, Food and Rural Services

CALL FOR EXPERTS

WHAT WORKS:

Can you share a *Blockchain for Government* use case or solution on any of the above 15 topics?

Must demonstrate:

- Operation excellence
- Service excellence
- Product excellence

PROTOCOLS & ACCOUNTABILITY:

Do you have evidence proposing best practice *Blockchain for Government* protocols? Focus on:

- Purpose
- Ethics
- Safety or security
- Trust
- Sustainability and
- Impact

Government organisations across the globe are exploring the use of blockchain technology to improve operations.

APPG Blockchain does not do use-cases, but we do see them as important knowledge to advance and scale Blockchain adoption in government.

Blockchain-friendly policy, regulation, infrastructure investment, public procurement, industrial policy, and more, must build upon what works.

MEMBERS: 'BLOCKCHAIN FOR GOVERNMENT' COUNCIL

- APPG Blockchain Chair, Vice Chairs and Officers
- APPG Blockchain Advisory Group
- Sub-committees which consist of Government Ministers, Shadows & Parliament, Civil Service, Chief Scientific Advisors, Experts (see call for experts) and Committee Chairs. (Members only invited to Council meetings relevant to their area)

Figure 1: Sub-committee membership configuration

SUB COMMITTEES for Government Services	Government Ministers	Shadows & Parliament	Civil Service	Chief Scientific Advisors	Experts	Committee Chairs
Digital						
1: National Identity Management Systems						
2: Tax and Internal Revenue Monitoring						
3: Post Brexit border control of trade						
4: Work and Pensions						
5: Grants and student loans						
6: Land Registration and Property						
7: Intellectual Property Rights						
8: Public procurement						
9: Voting and democracy						
10: Secure Banking Services						
11: Healthcare						
12: Education and skills						
13: Sport						
14: Justice and Tribunal Services						
15: Environment, Food and Rural Services						

Names of the 'Blockchain for Government' Council's sub-committee members goes here.

The COUNCIL REMIT – redefine protocols, establish excellence, and advise on public procurement requirements

The Council will meet to define evidence-based **protocols** (related to Purpose, Ethics, Safety, Trust, Sustainability and Impact) which need to be in place in future blockchain enabled government services. Protocols need to be **testable** and have **clear patterns of accountability**.

The Council will also define a **clear testable excellence-criteria** for future public management in 15 selected areas using Blockchain technology, focusing on operational - service - product excellence areas (such as productivity, responsiveness, reliability, flexibility, user value, flows (work, physical, knowledge), and so forth).

Figure 2: Implementation road map for blockchain applications in government services

PUBLIC DOMAINS	PUBLIC MANAGEMENT WITH BLOCKCHAIN			PROTOCOLS					
	Operation excellence	Service excellence	Product excellence	Purpose	Ethics	Safety / security	Trust	Sustainability	Impact
1. National Identity Management Systems									
2. Tax and Internal Revenue Monitoring									
3. Post Brexit border control of trade									
4. Work and Pensions									
5. Grants and Student Loans	TESTABLE	•Clear ways to TEST what excellence looks like		TESTABLE	•Clear ways to TEST if the protocols are followed				
6. Land Registration and Property									
7. Intellectual Property Rights	ACCOUNTABILITY	•Clear pattern of ACCOUNTABILITY, and who is accountable?		ACCOUNTABILITY	•Clear pattern of ACCOUNTABILITY, and who is accountable?				
8. Public Procurement									
9. Voting and Democracy									
10. Secure Banking Services									
11. Healthcare									
12. Education and skills									
13. Sport									
14. Justice and Tribunal Services									
15. Environment, Food and Rural Services									

E.g. for “National Identity Management Systems”, what does good looks like in terms of operations, service and product excellence regarding blockchain applications. Also, what is the purpose of applying blockchain here, and what are the ethical, safety and trust-based considerations regarding the blockchain applications? What makes the solutions sustainable at scale? What impact will they have for all stakeholder communities?

The design principles for creating a Roadmap for Blockchain implementation are based upon an adoption of the ‘protocol, test and accountability approach’ designed by AI GLOBAL GOVERNANCE COMMISSION [www.aiglobalgovernance.org], which is an Initiative of the All-Party Parliamentary Group on AI (APPG AI) in 2017 and set up by Big Innovation Centre in 2018. It is supported in a letter to Prime Minister Teresa May signed by 140 business leaders,

parliamentarians, world class academics and international governments, such as UAE, Saudi Arabia, and South Korea.

This Roadmap for implementing Blockchain for Government will be refined over the period ahead after the meeting, and the Blockchain Council will be able to **advise and support** with processing requirements for public procurement.

HOW WE MAKE IT HAPPEN

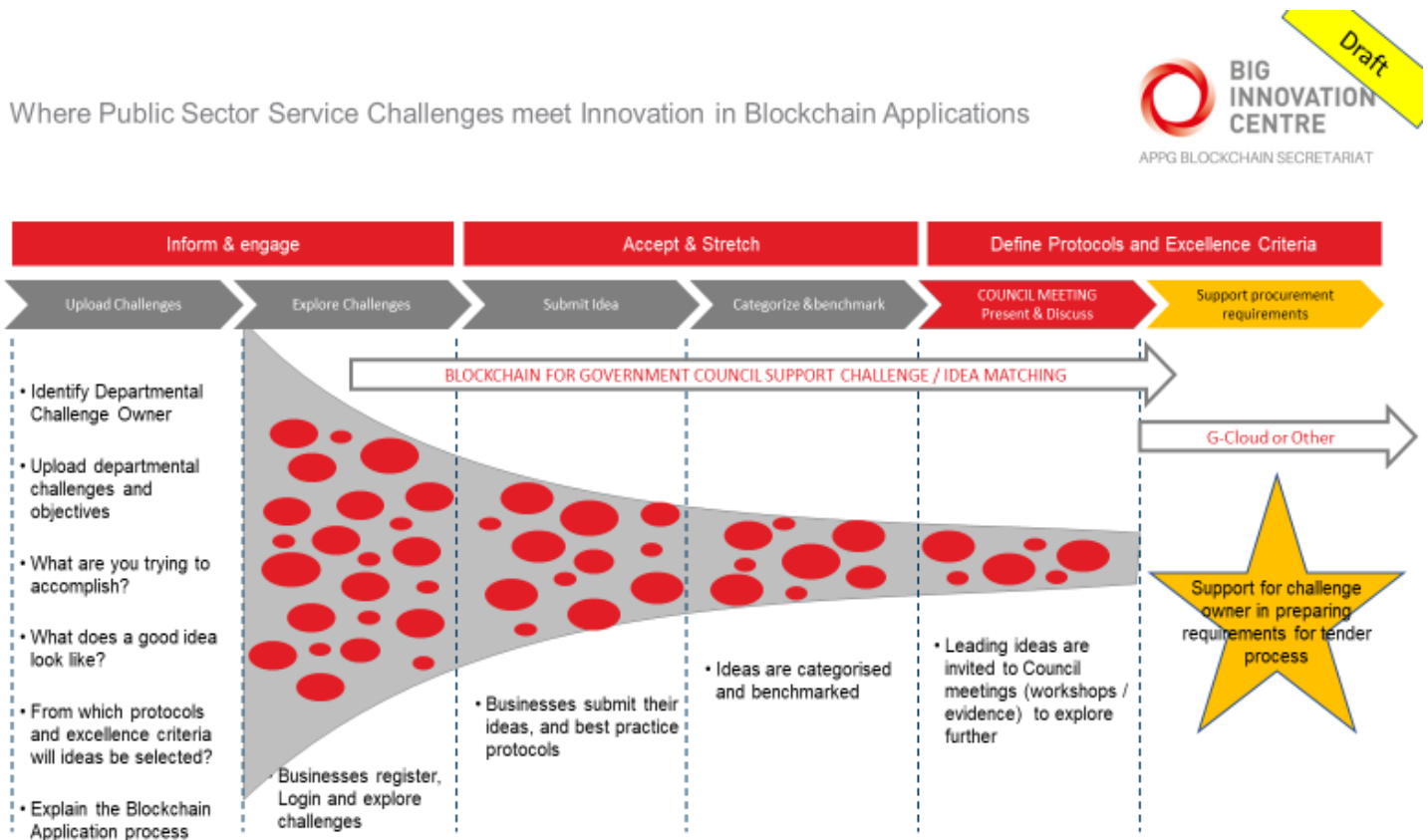
September to December 2018:

- *Sub-committees appointed, including Committee Chairs.*
- *Work schedule agreed.*
- *'Blockchain for Government' Council meeting dates confirmed over a 24-month period starting January 2019.*
- *Digital platform launched to support the development of PROTOTYPES of blockchain-applications governance, including what an implementation ROADMAP could look like - see what follows:*



The Digital Platform is provided by the Secretariat, Big Innovation Centre, in partnership with Blockchain Digital.

Figure 3: Overview of Digital platform supporting Blockchain for Government Council



It will be centre stage for organizing the matching process between Government service challenges which can be solved by blockchain application solutions. It will also support the Sub Committees and Council to assess approaches to protocols and excellence regarding blockchain applications.

Digital platform enabled process (underpinning Figure 3 above):

Step 1 – Upload Challenges: Departmental Owners upload their challenges to the portal.

Step 2 – Explore Challenges: The second step in the process is that businesses / use-case suppliers login and explore the challenges. Businesses / use-case suppliers select challenges they want to explore and then ask clarification questions from the Challenger Owner.

Step 3 – Submit Ideas: Once the business / use-case supplier has understood the challenge they can then submit their idea by filling in an online form and attaching any additional documentation, for the Challenge Owner to see.

Step 4 – Categorise & Benchmark:

In what way does the Blockchain Solution proposed address how the public sector achieve:

- Operational Excellence
- Service Excellence
- Product Excellence

In what way does the Idea contributed demonstrate best practice protocols:

- Purpose
- Ethics
- Safety & Security
- Trust
- Sustainability
- Impact

Step 5 – COUNCIL MEETING: *Present and Discuss:* The “Blockchain for Government Council”, will meet with suppliers of use-cases to discuss their idea and explore further.

Step 6 – Support procurement requirements: The “Blockchain for Government” Council will support the ‘Challenge Owner’ with processing the requirement of the challenge, output from the idea discussion and translating this into a G-Cloud or other public procurement template.



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中英区块链协会
CHINA-UK BLOCKCHAIN ASSOCIATION

We create **A SHARED VISION OF FUTURE PUBLIC MANAGEMENT** and consult evidence and use-cases fit for a future Government transformed by blockchain applications and other DLT.

Focus is on **EXCELLENCE** in service-delivery and **PROTOCOLS** for governing blockchain applications.

Future agile government services and policies fit for blockchain technologies will be enabled

CALL FOR ACTION

Log your interest before 28th of September 2018:

***If you want to
GET INVOLVED AS EXPERT OR
SUPPLIER OF BLOCKCHAIN APPLICATION USE CASES***

[please email: appg-blockchain@biginnovationcentre.com](mailto:appg-blockchain@biginnovationcentre.com)

Email us

A) Your name

B) Your organization

C) Why you are a proven expert regarding blockchain applications for a specific government-service, among the list:

1. National Identity Management Systems
2. Tax and Internal Revenue Monitoring
3. Post Brexit border control of trade
4. Work and Pensions
5. Grants and student loans
6. Land Registration and Property
7. Intellectual Property Rights
8. Public procurement
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C) If you plan to submit a use-case in any of above areas?

D) What key areas are we missing, if any?



**BIG
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