



# Somebody else's problem

## **OSS Business Models:**

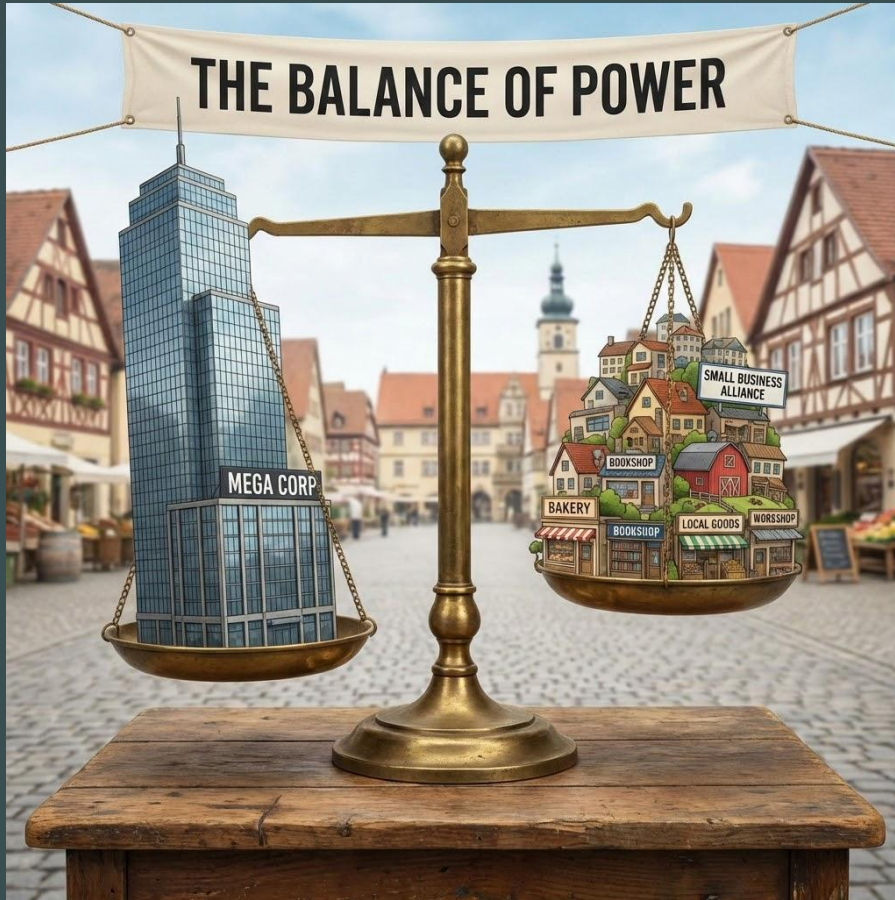
Custodian-led products to foster a buyer-friendly supplier market





BISHOPSGATE STREET, Nr HOUNDSDITCH  
The Engine and Cart of the London Assurance Proceeding to a Fire





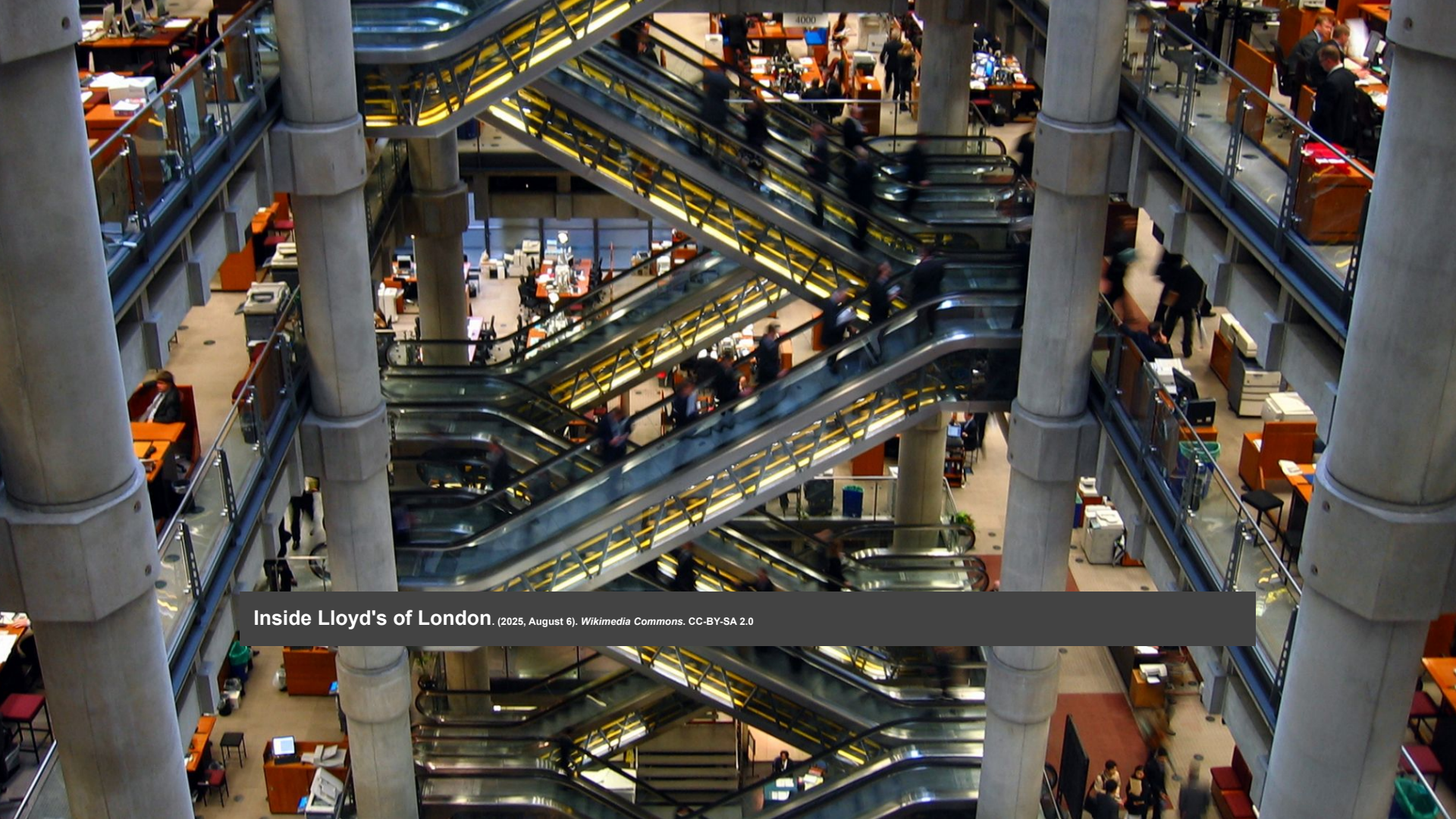
## London, 1720

### Insurer 1 & 2

- Had a duopoly in *statute*
- Tipped king £300k
- Economy burnt by free-market bubble
- Big, established business

vs

- Self-employed people in a coffee shop



Inside Lloyd's of London. (2025, August 6). *Wikimedia Commons*. CC-BY-SA 2.0



# What is Arches?



The default version of Arches includes six different types of resources (shown below) that can be recorded and related to each other.

These six resources are based on CIDOC CRM classes.



## Heritage Resource

These are culturally significant places such as archaeological sites, buildings, structures, monuments, shipwrecks, or any place regarded as heritage.



## Actor

These resources are persons or groups of people. Examples include architects, surveying firms, historical figures, or cultural groups.



## Activity

These are actions that occur over a period of time. Examples include surveys, investigations, excavations, literature review, and other actions.



## Information Resource

These are objects that encode information such as images (either digital or traditional photographs), documents, reports, audio, or video recordings, and 3D models.

## What standards does it use?

### CIDOC Conceptual Reference Model

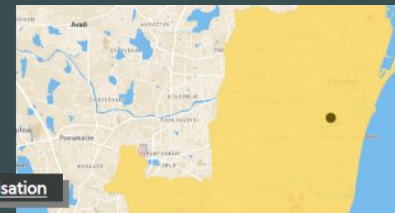
- An ontology for cultural and historical relationships

Arches is built using internationally adopted standards in the cultural heritage and information technology fields.



Expandable knowledge

Geospatial visualisation



Visual Querying

Knowledge network visualisation



Example from the Chernobyl International Project

<https://www.archesproject.org/what-is-arches/>

# Who is using Arches?

***Business Diversity:** examples from our collaborators, competitors & friends in the community [i.e. not our work]*

<https://glher.historicengland.org.uk/>

<https://her.jerseyheritage.org/>

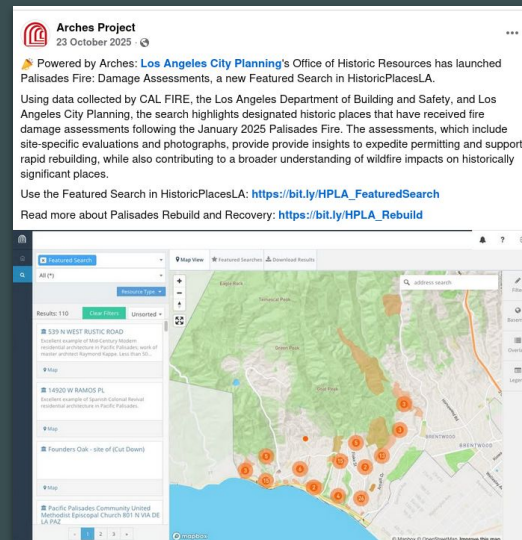
Getty

## Getty Provenance Index

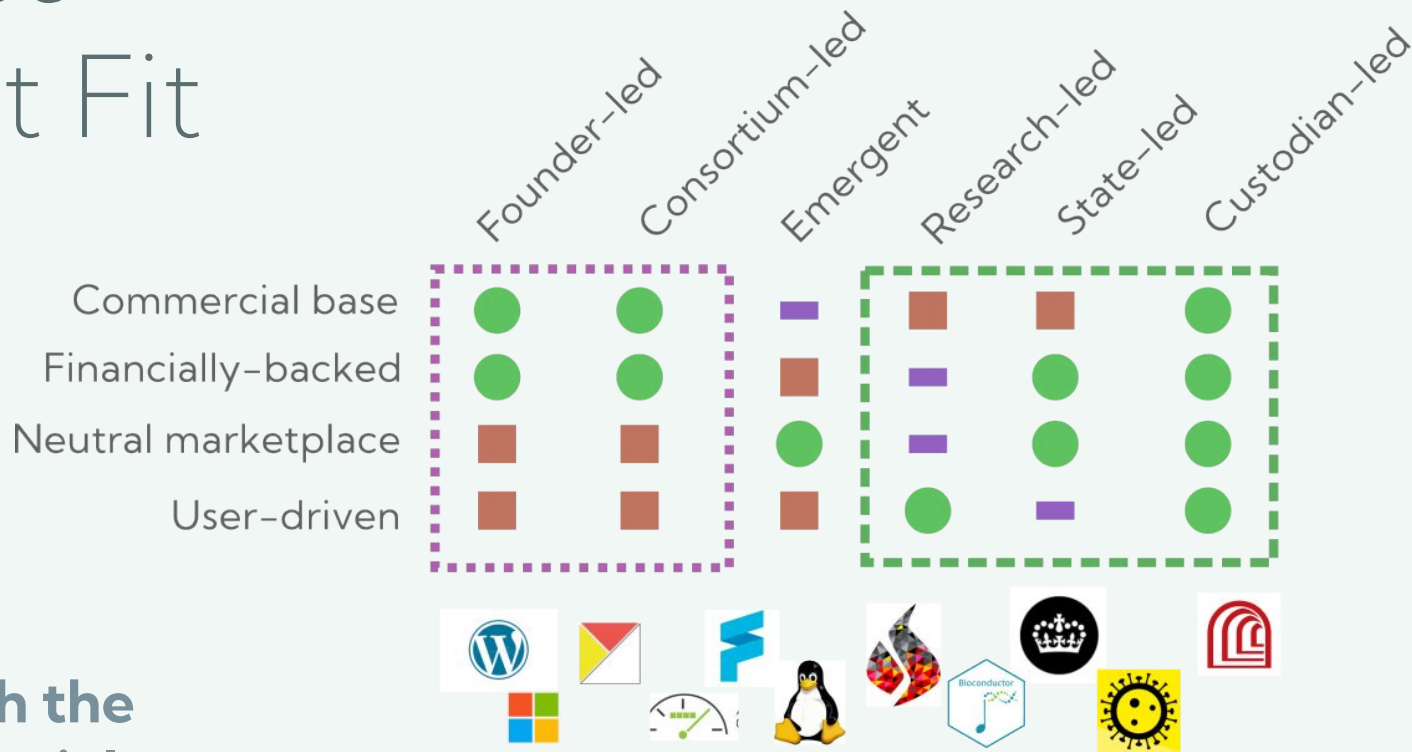
[About the Index](#) [User Guide](#) [Training Sign-up](#) [GPI Initiative](#) [FAQ](#) [Feedback](#) [Access Legacy Index](#)

## Arches Open Source Project Background

Arches grew out of a collaboration between the Getty Conservation Institute and World Monuments Fund to address the widespread need within the international heritage field for low-cost digital inventories that are on the one hand, easy to use and are customizable and, on the other, take advantage of the latest technologies to allow for creating and managing heritage information in all its richness and diversity. The GCI and WMF jointly developed Arches through version 3.0 and



# Project Market Fit



OSS through the  
lens of potential  
suppliers

# Roles & Rails

- Governance & Expertise
- Product Owners & Community
- Technologists & Coders
- Forums & Exploration
- Onboarding & Engagement
- Provider Diversity & Growth



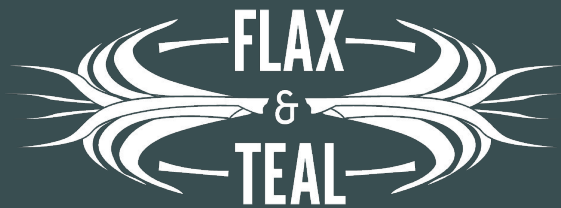
Security  
Sustainability  
Growth  
Assurance  
Direction-setting  
Peer Review  
Failover



**Deployability in  
Critical Environments**



# Knowledge Management, Computation & Modelling



From Government Asset Data  
to Emerging Physics  
& Resilience

**ELLERY AMES** PhD  
**Scientific Computing**  
Senior Engineer, US Lead | Burlington



**JANA LORENCOVA**  
**Information Analysis**  
Information Management | Aberdeen



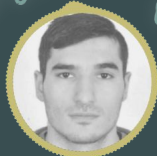
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Web Technologies | Belfast



**KAMEN DIMITROV**  
**Infrastructure/DevOps**  
Senior Engineer | Sofia



**KANIKA MIGLANI**  
**Data Science, AI & ML**  
Data Lead, India Lead | Bangalore



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Open for Business

# BRACE: Insurability

## City Resilience & Our Roadmap



**Resilient cities  
map knowledge to map  
risk**

Every claim reveals a connection that should have been visible.

← exciting flood insurance video available



# Thank you

To progress, learn more or ask  
us any questions, reach out to  
[info@flaxandteal.co.uk](mailto:info@flaxandteal.co.uk)

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