

UK CENTRE FOR GREENING FINANCE & INVESTMENT

... and its use of national e-infrastructure

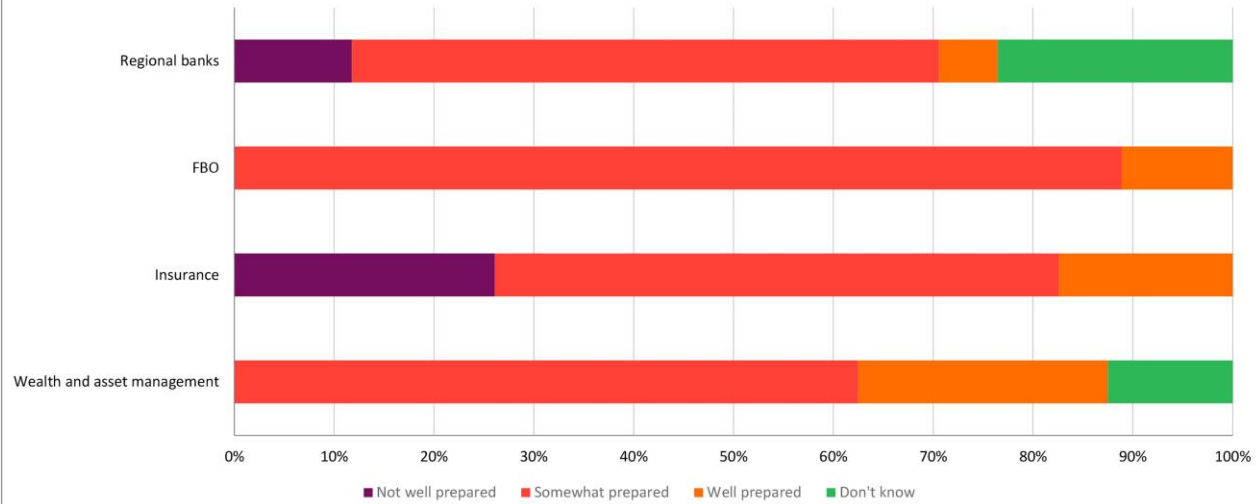


UK Research
and Innovation



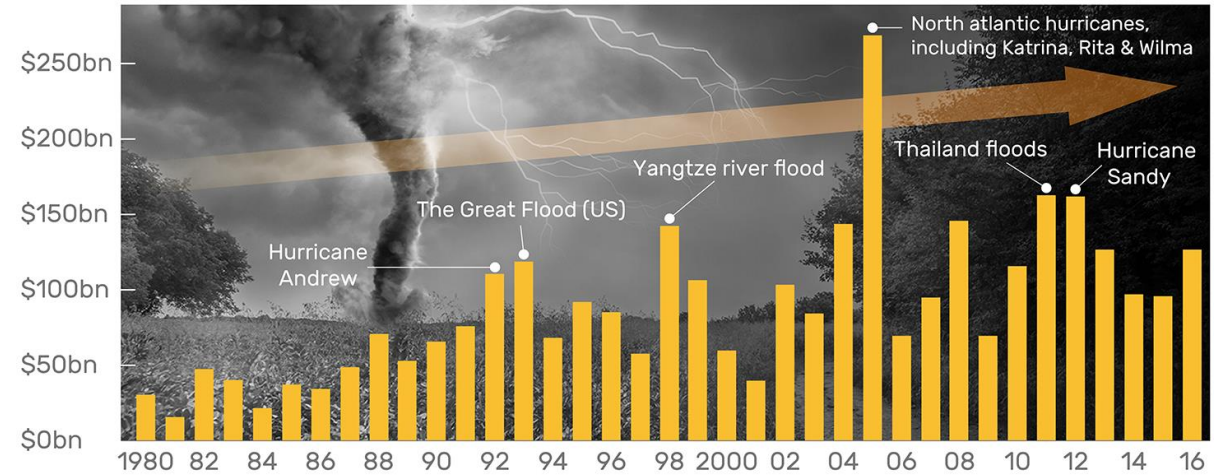
CGFI

How well prepared is your organization to adequately measure the impact of climate change on your strategy, customers, and products and services?



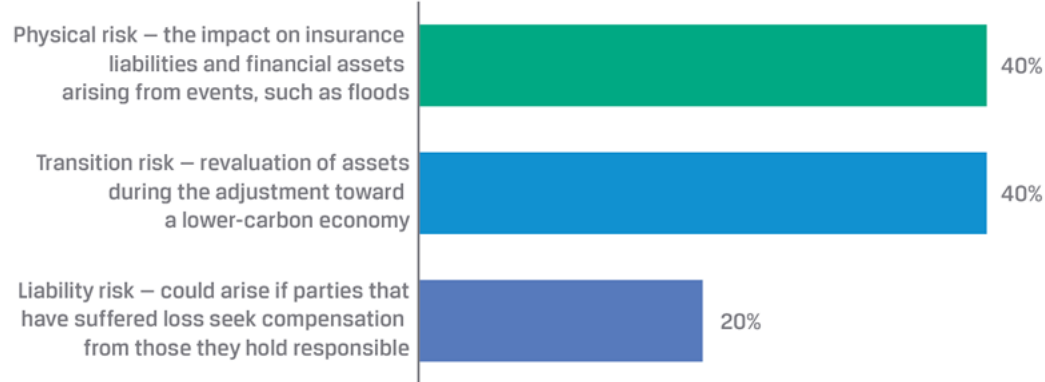
Global economic losses from extreme weather events have increased

Insured & uninsured losses



Note: The labelled events contributed significantly but not exclusively to losses in those years.

Which risk is most important?



1. EY.com, 2021
2. Scientistswarning.org, 2021
3. CFA Institute, 2015
4. Bank Of England, 2020

Launched April 2021, the UK Centre for Greening Finance and Investment (CGFI) is a national centre established to accelerate the adoption and use of climate and environmental data and analytics by financial institutions internationally. It will unlock opportunities for the UK to lead in greening finance and financing green.

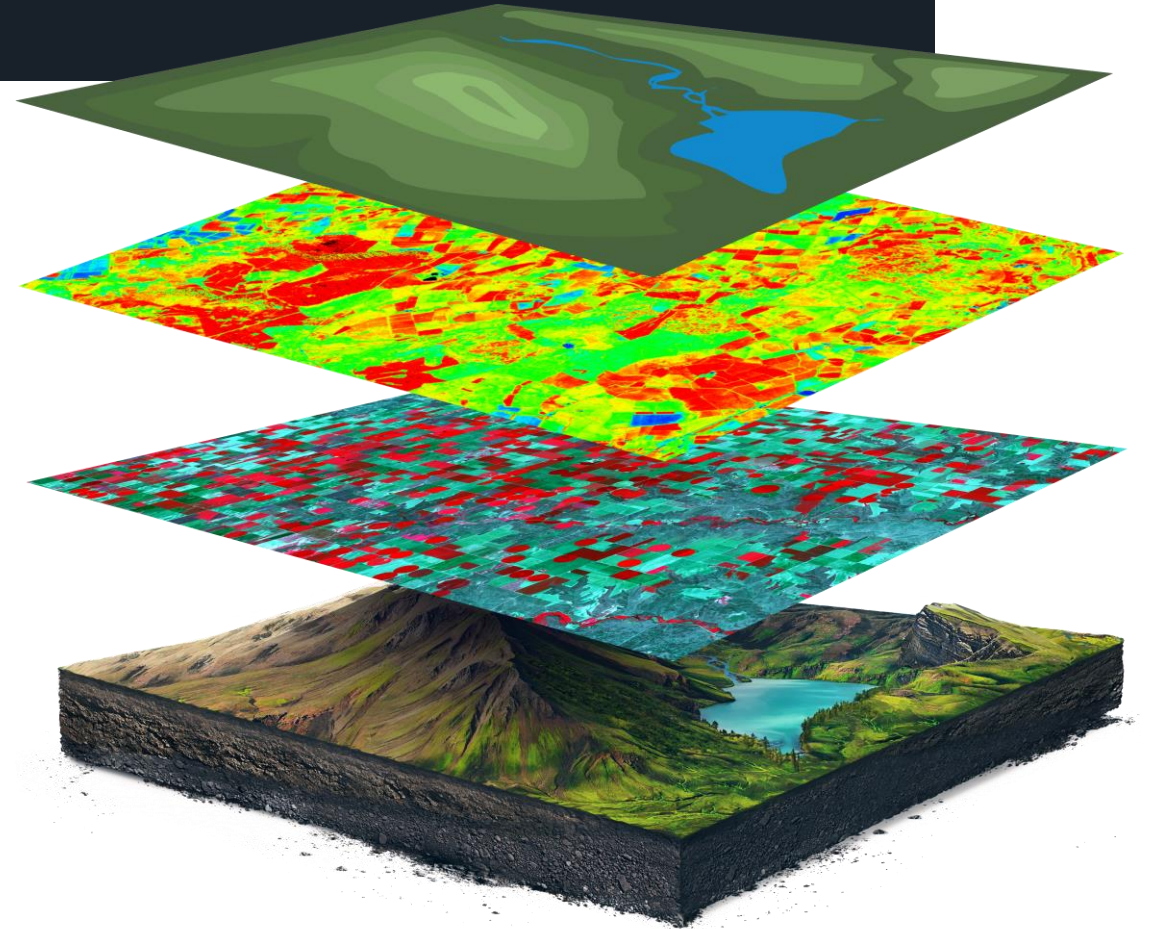
ULTIMATE VISION

Financial institutions able to access and use climate and environmental data and analytics for:

- Any point on earth
- Past, present, and future
- Every major sector
- Material climate and environmental factors

SUCCESS WILL MEAN

- Enhanced solvency of financial institutions
- Reallocation of capital towards green
- Resilient global financial system
- Realise the opportunity for UK plc



CORE TEAM



The
Alan Turing
Institute



Imperial College
London



SPATIAL FINANCE
INITIATIVE   



CROSS-CUTTING PARTNERS



PROFESSIONAL BODIES






INNOVATION HUBS



Co-Designed Flagships



-  Physical risks
-  Nature-related risks and pollution
-  Transition risks



PROPERTY AND WEATHER EXTREMES



LITIGATION & ENVIRONMENTAL DAMAGES



ENABLING DISCLOSURES



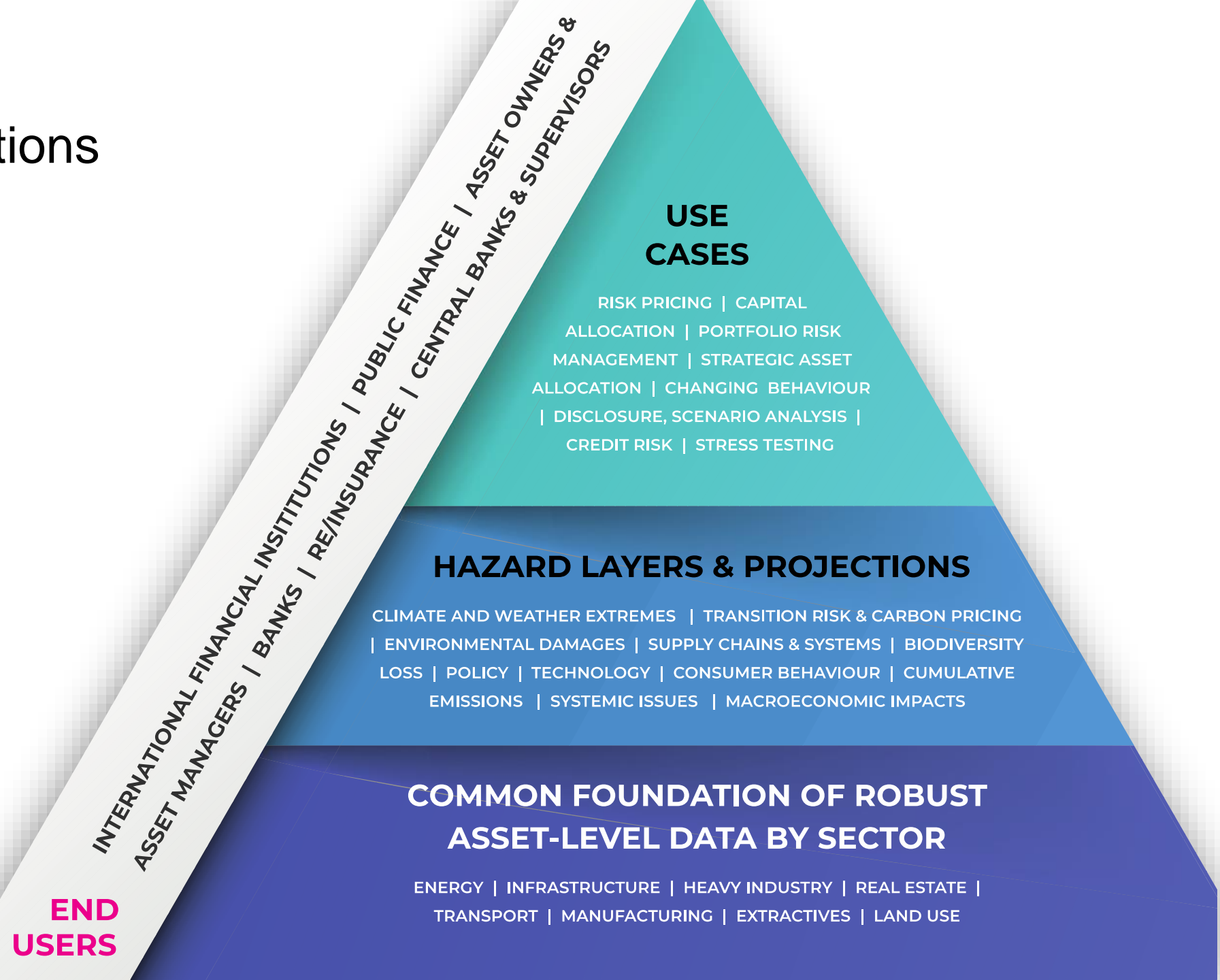

INFRASTRUCTURE, SUPPLY CHAINS & SYSTEMS



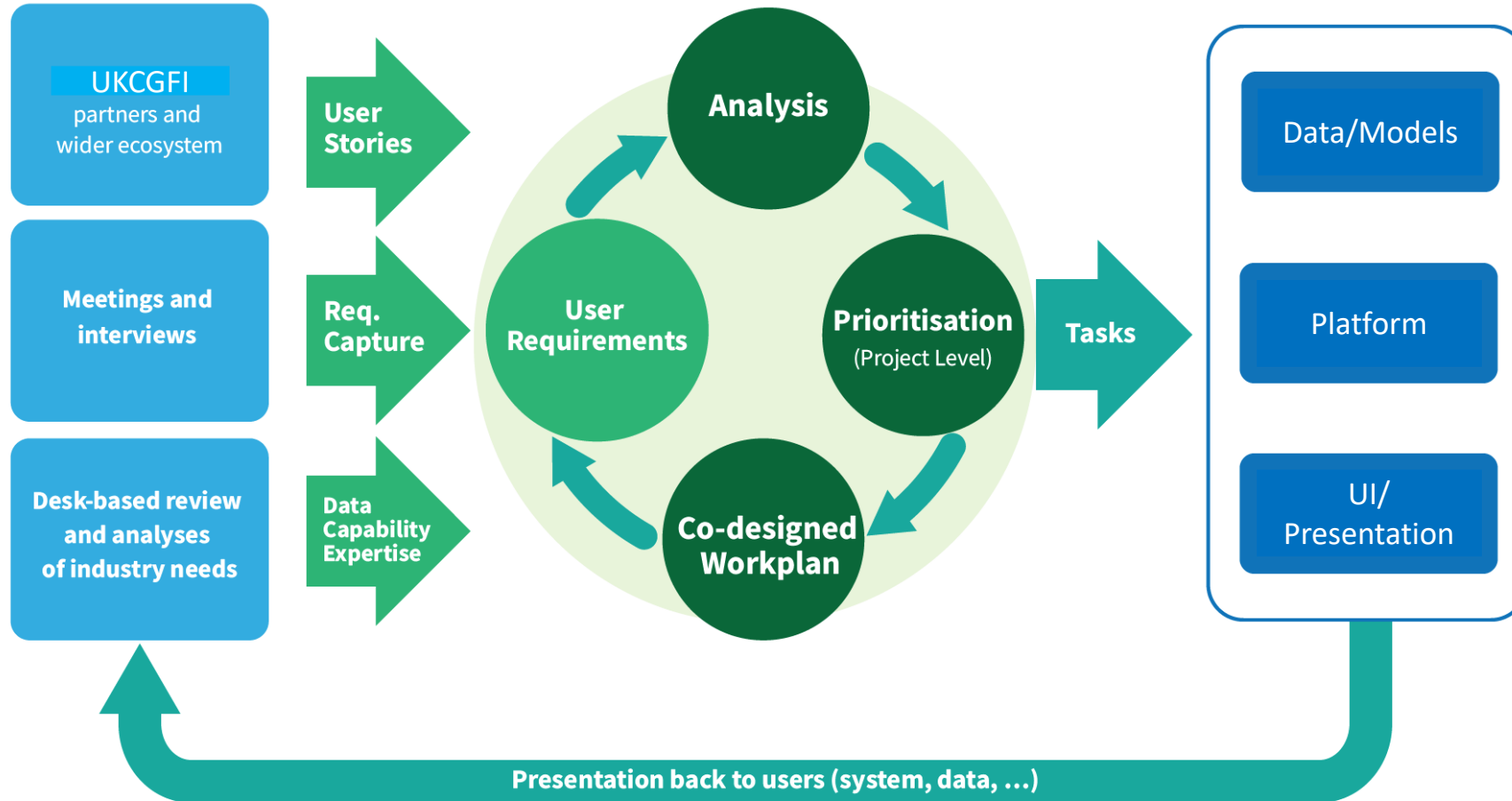
TRANSITION RISK & ALIGNMENT



Scalable Foundations



Iterative Co-Design

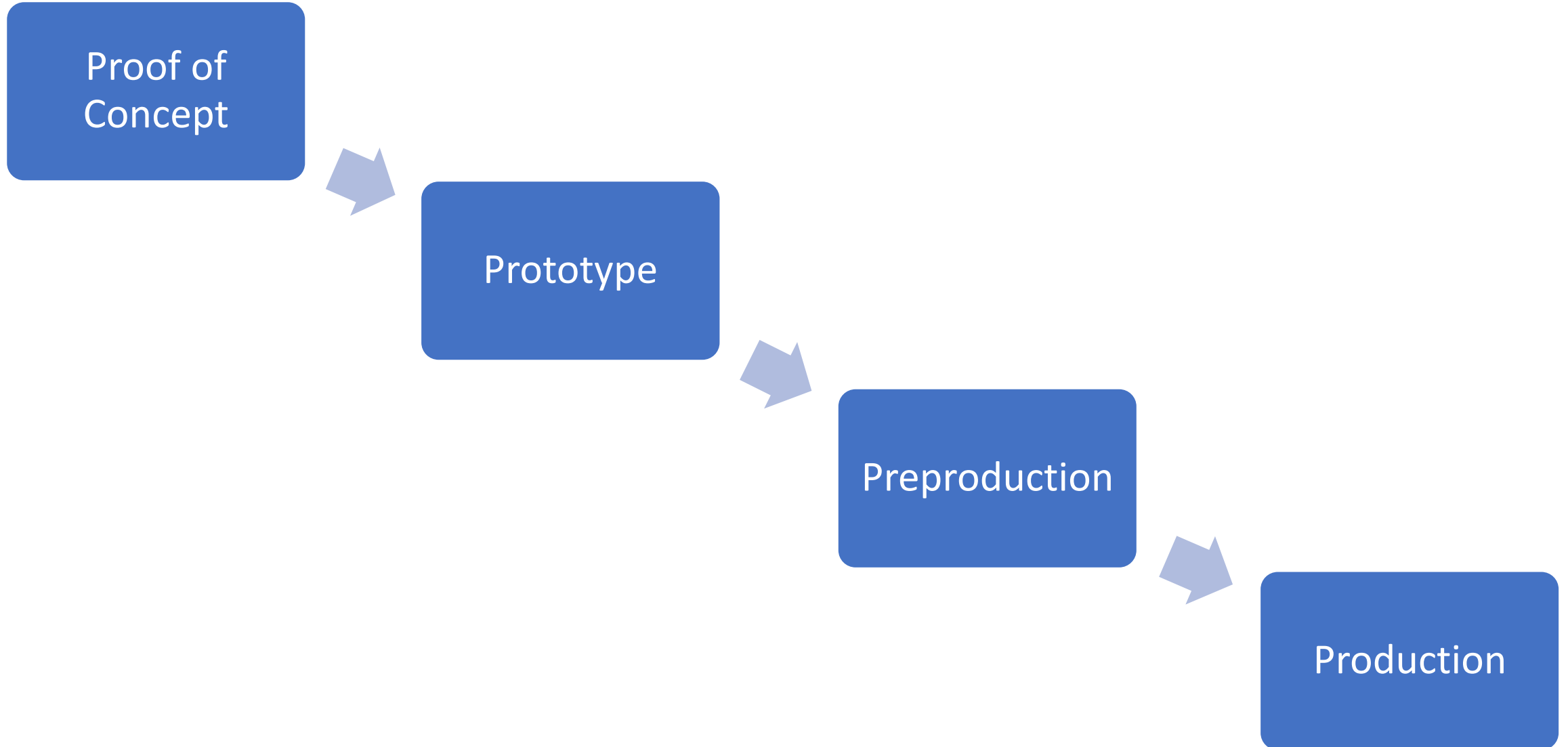


JASMIN

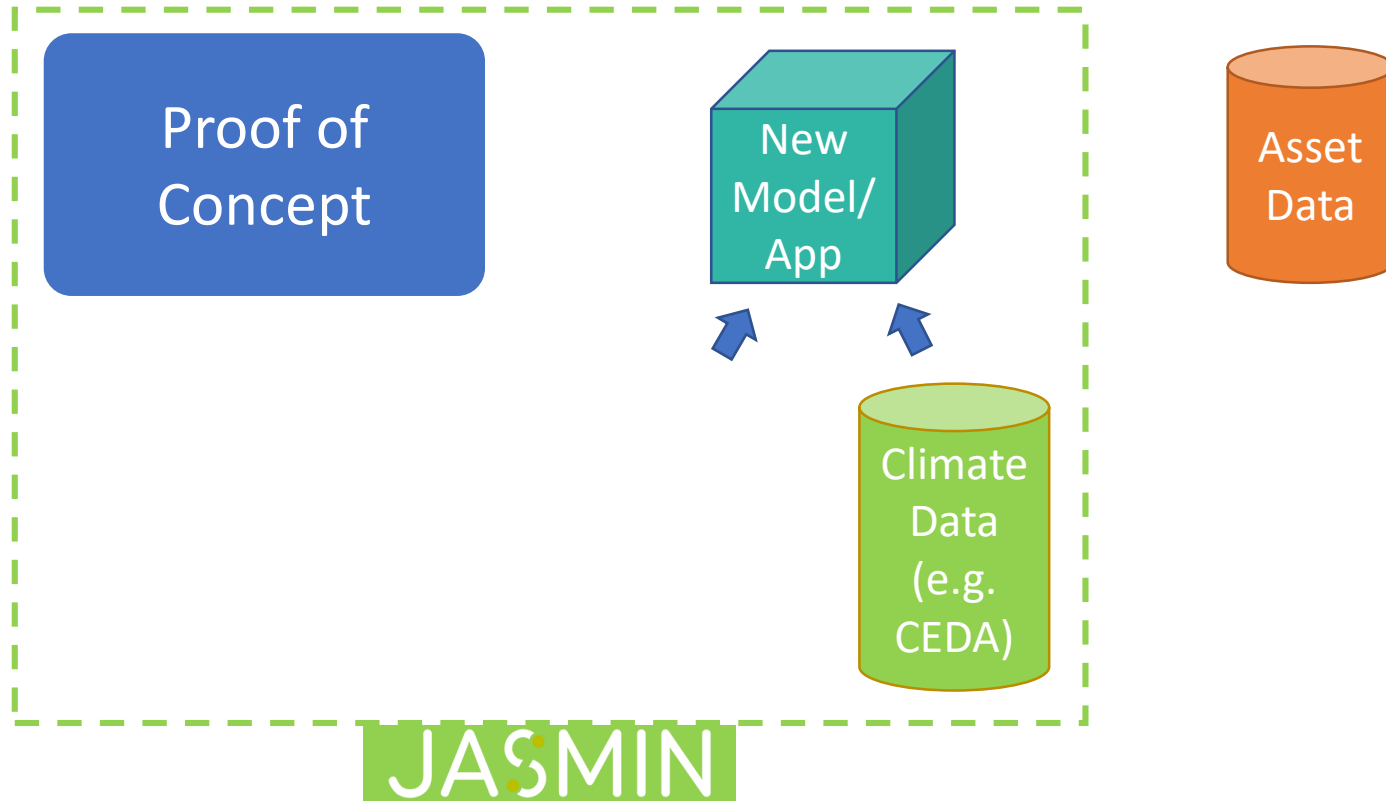


DAFNI

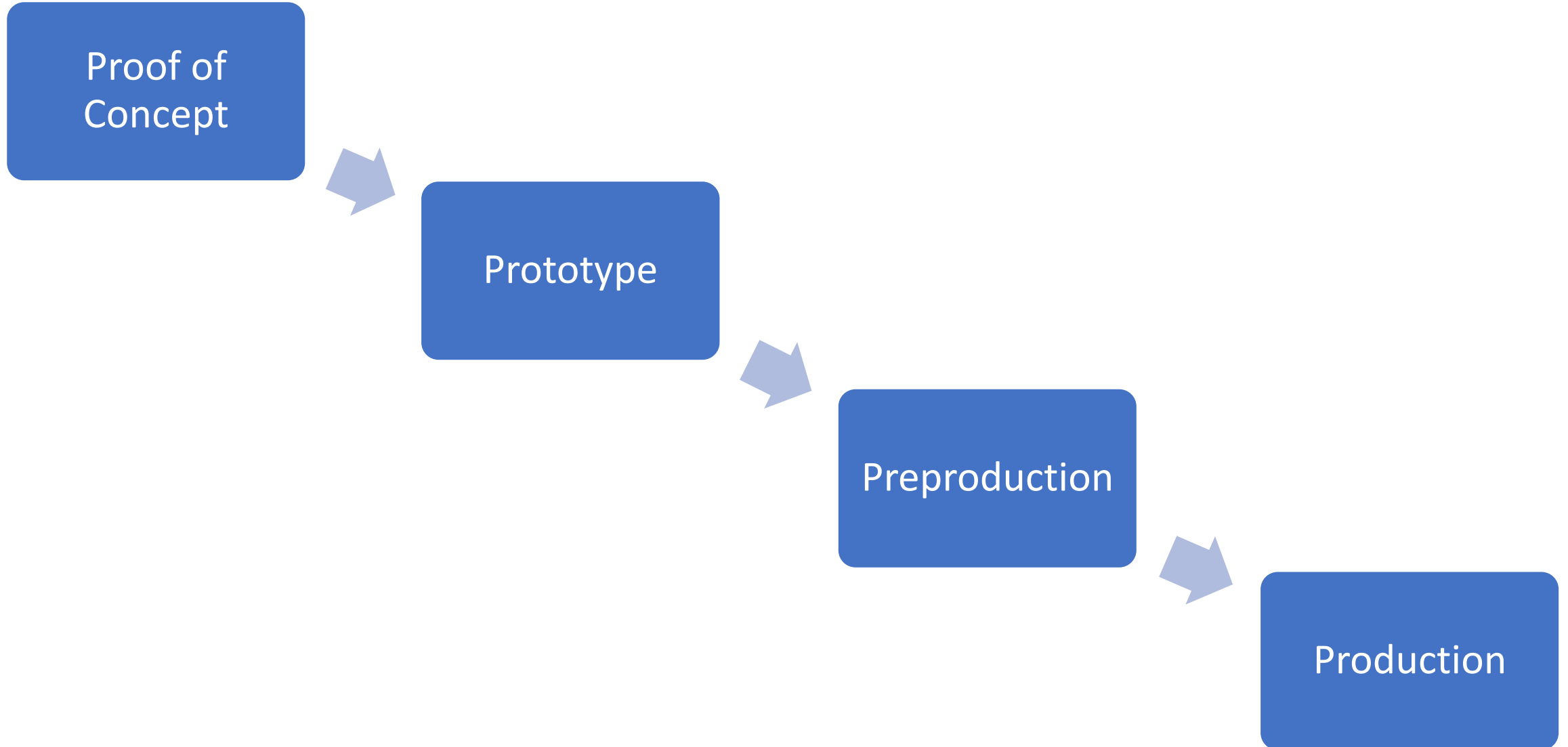
Flagship Service Delivery Pipeline



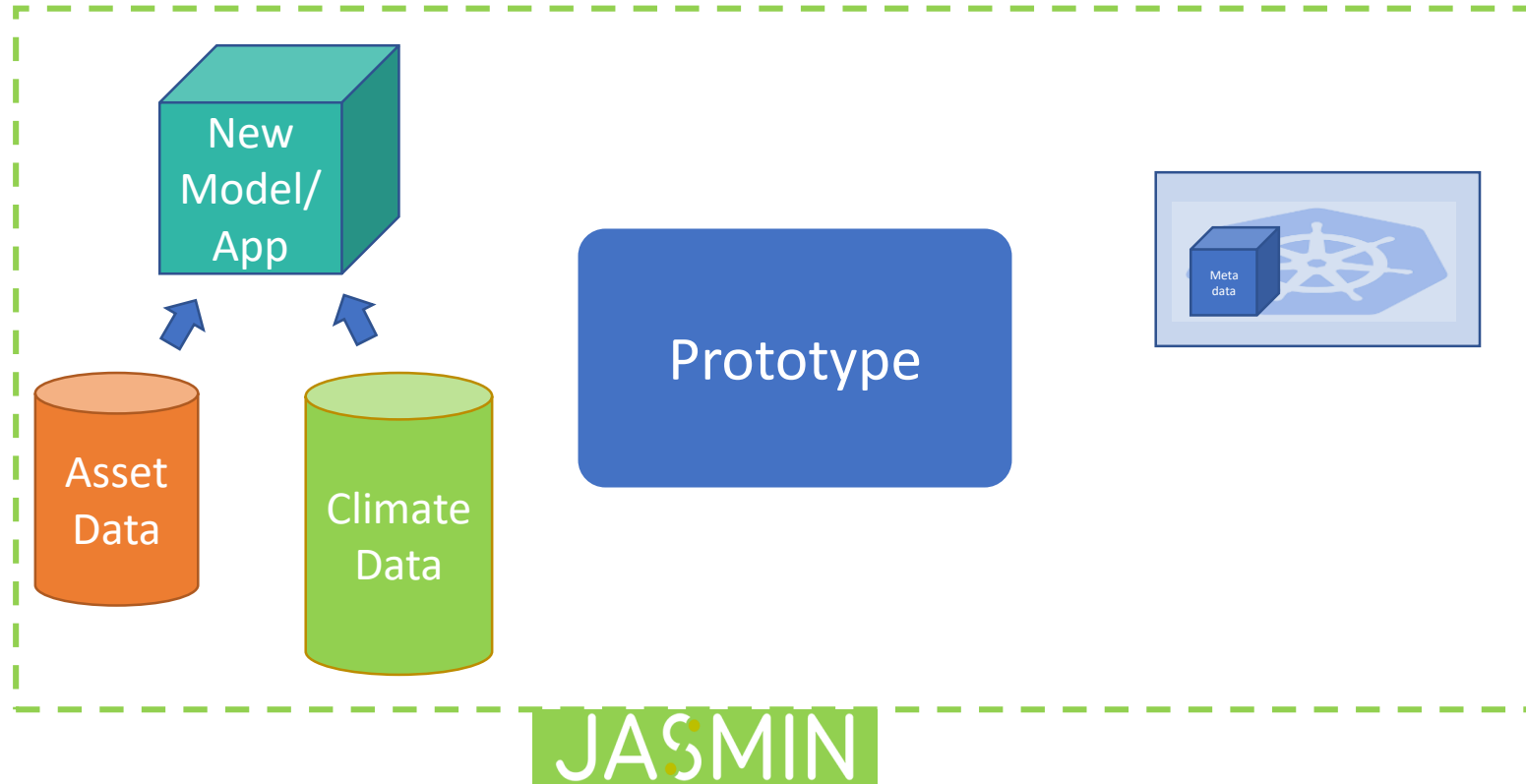
Flagship Service Delivery Pipeline - Prepare



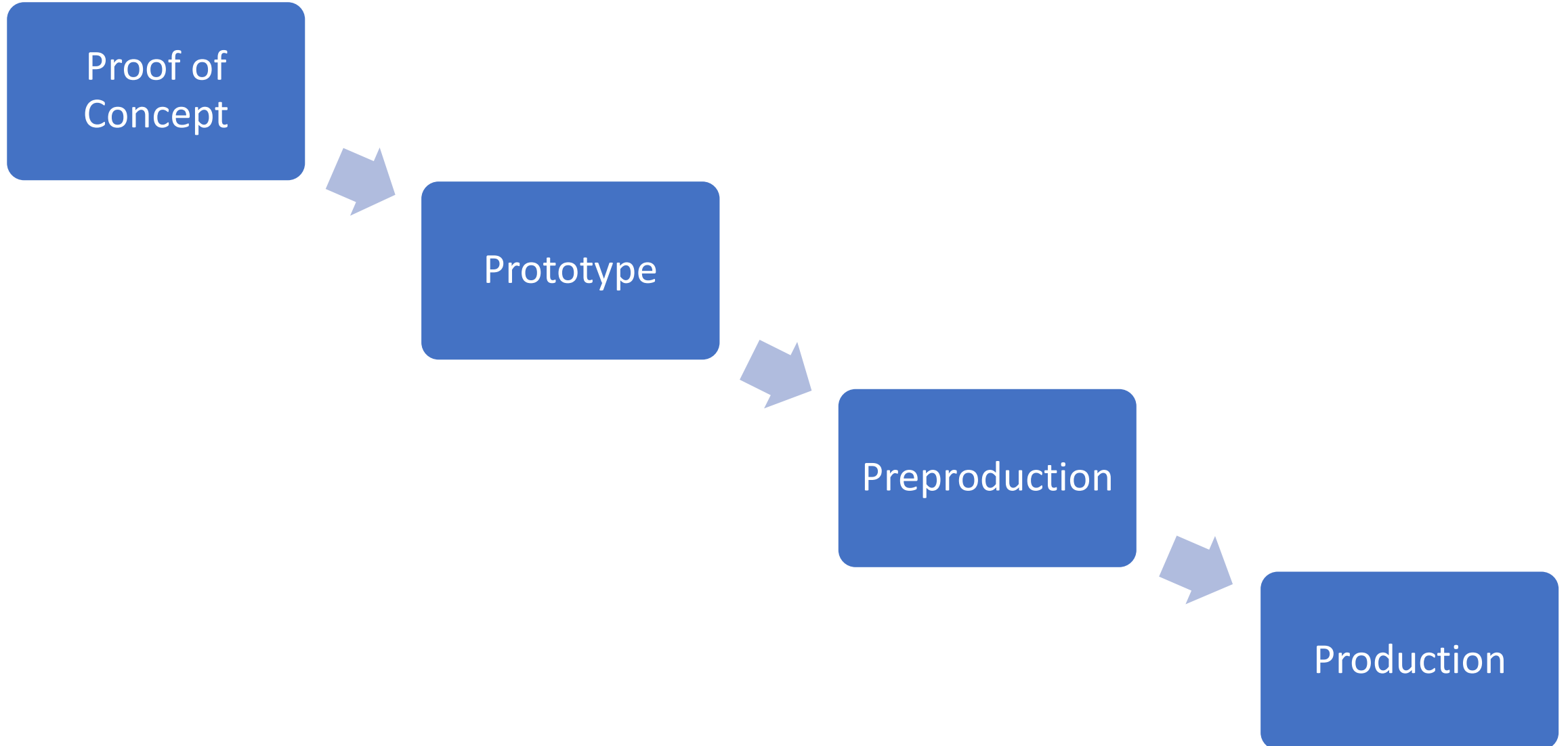
Flagship Service Delivery Pipeline



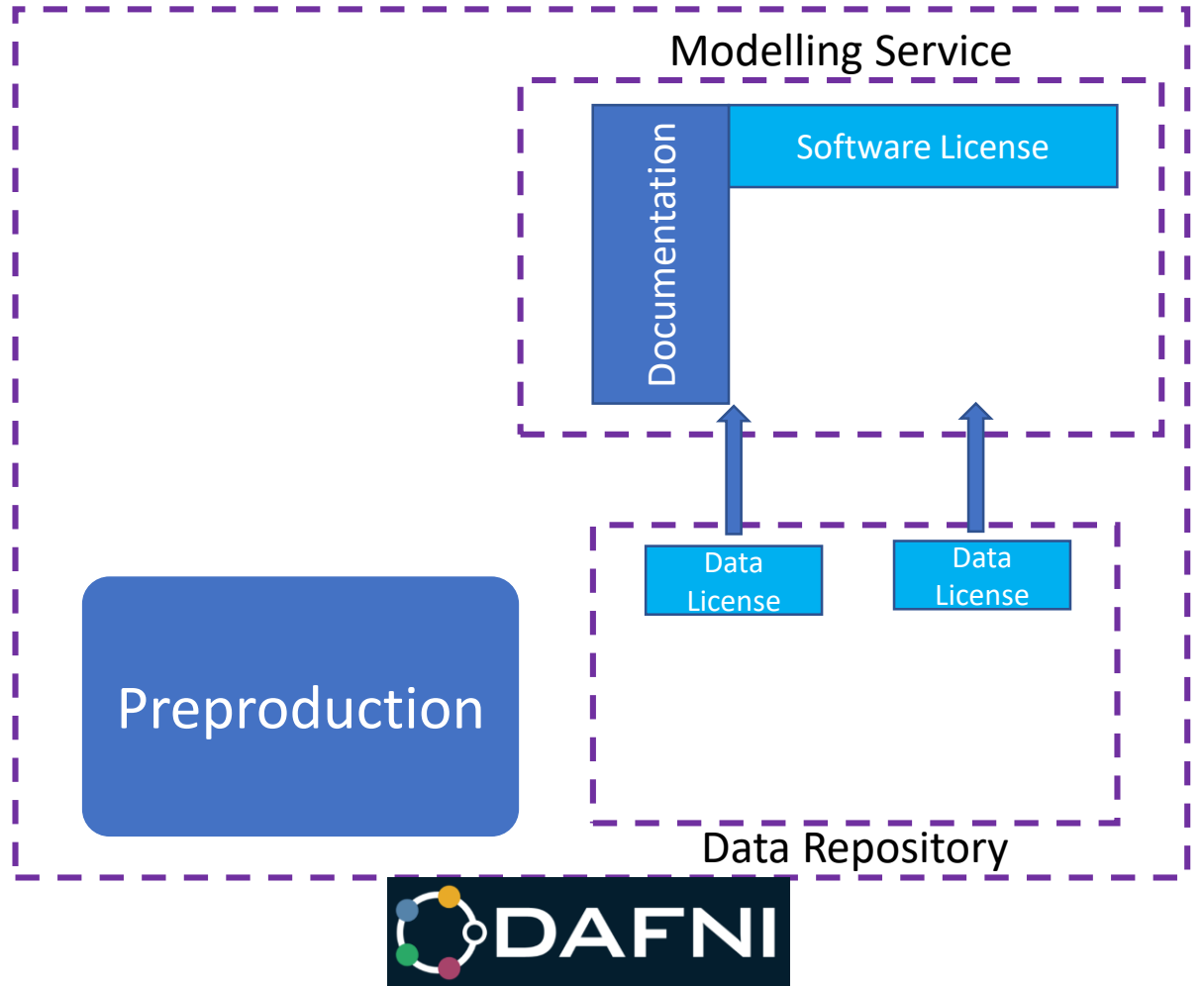
Flagship Service Delivery Pipeline - Package



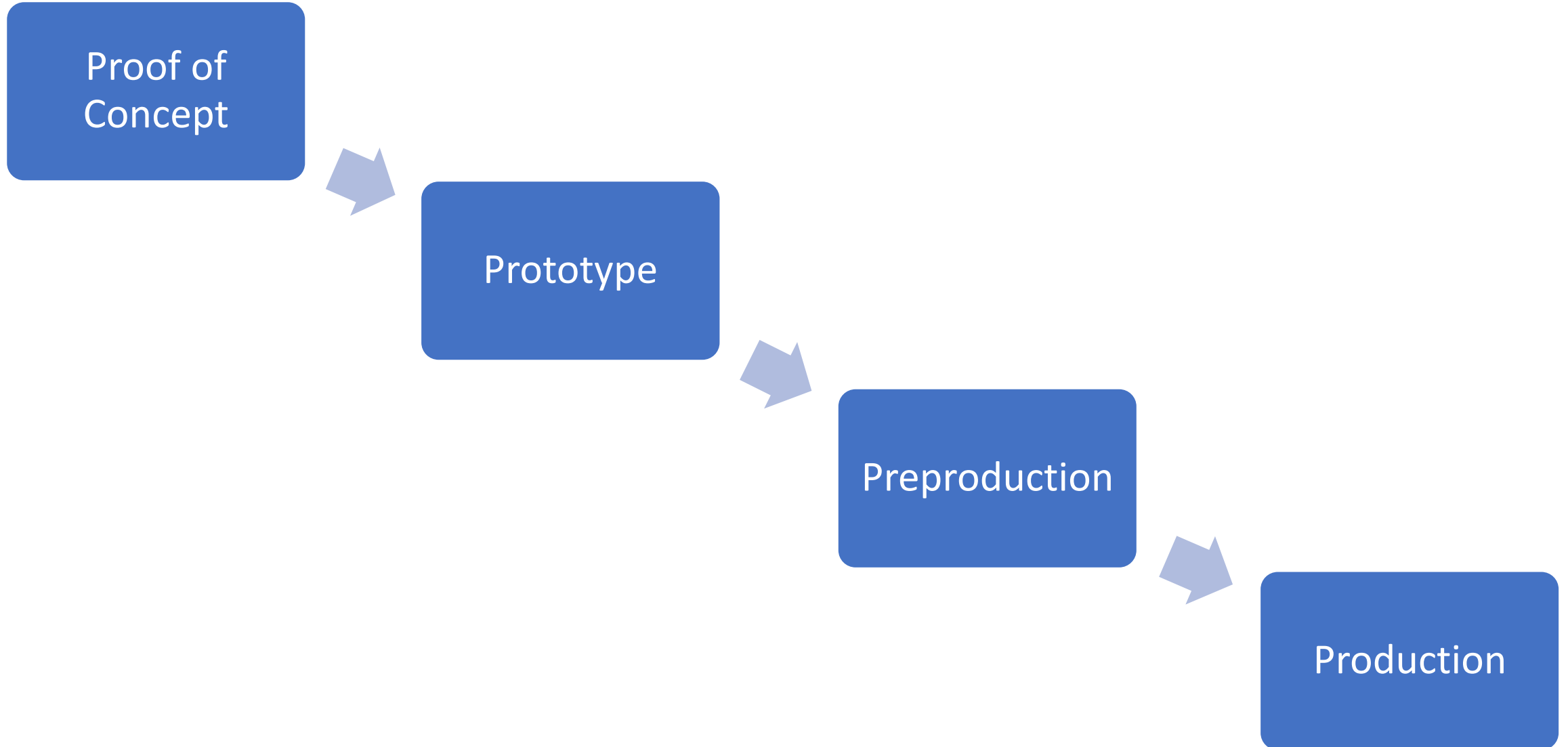
Flagship Service Delivery Pipeline



Flagship Service Delivery Pipeline - Port



Flagship Service Delivery Pipeline

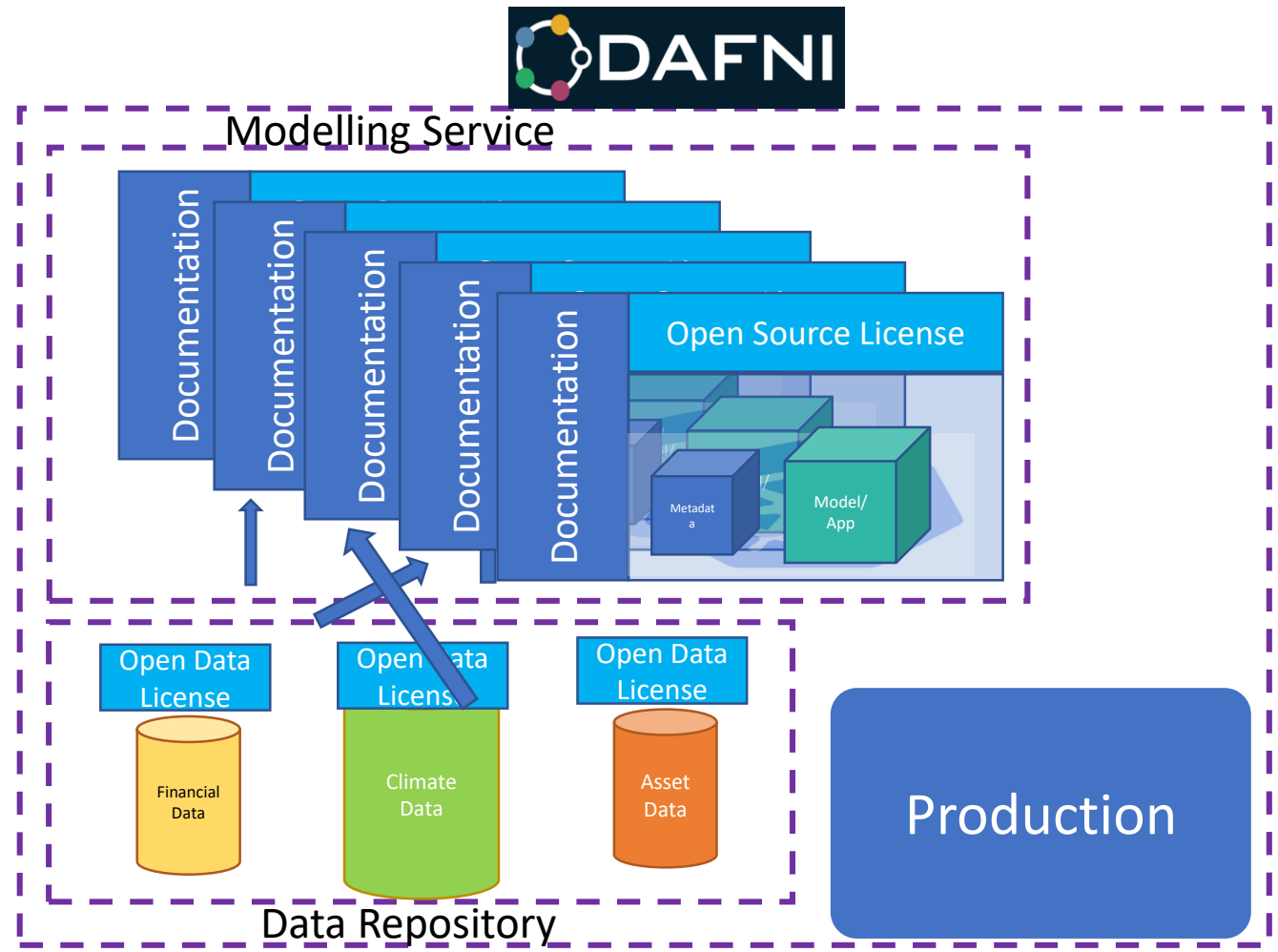


Flagship Service Delivery Pipeline - Publicise

- Organised dissemination program to broaden utilisation of services



- Catalogue of Open Source
 - Preconfigured user co-designed Services
 - Cutting Edge Tools
- Open Access Datasets
- Sandbox environment for rapid prototyping and testing
- Deployed versions of existing tools married to unique datasets



Conclusion

- Globally unique centre enabling;
 - financial institutions to access and use climate and environmental data and analytics,
 - a smooth pipeline of cutting edge research in climate science and risk to increase impact,
 - construction of a sustainable open platform allowing relevant community members to develop and sustain tools and services.
- Maximising return on investment from existing e-infrastructure services,
 - Trusted provider of reliable services for researchers, practitioners and the wider community.
- Stage 1 of a longer running program, Stage 2 Industrially led InnovateUK

UK CENTRE FOR GREENING FINANCE & INVESTMENT

<https://ukcgfi.org/>



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CGFI