



COMMONS TOWARDS INNOVATION
MICHELA MAGAS CHAIR AND PRINCIPAL INVESTIGATOR, INDUSTRY COMMONS FOUNDATION

NOT ENOUGH
DATA

NO
INTEROPERABILITY

BOTTLENECK 1

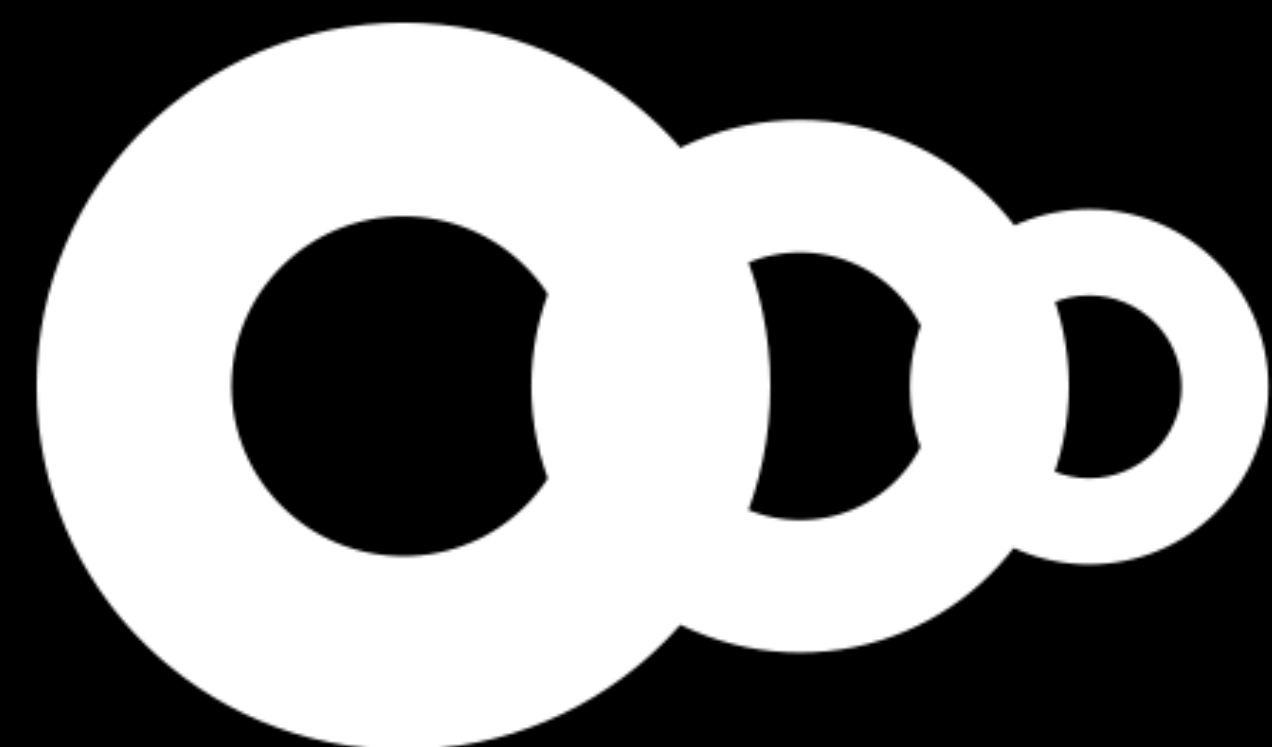
BOTTLENECK 2

PROPRIETARY
IP

USE CASES
UNPREDICTABLE

BOTTLENECK 3

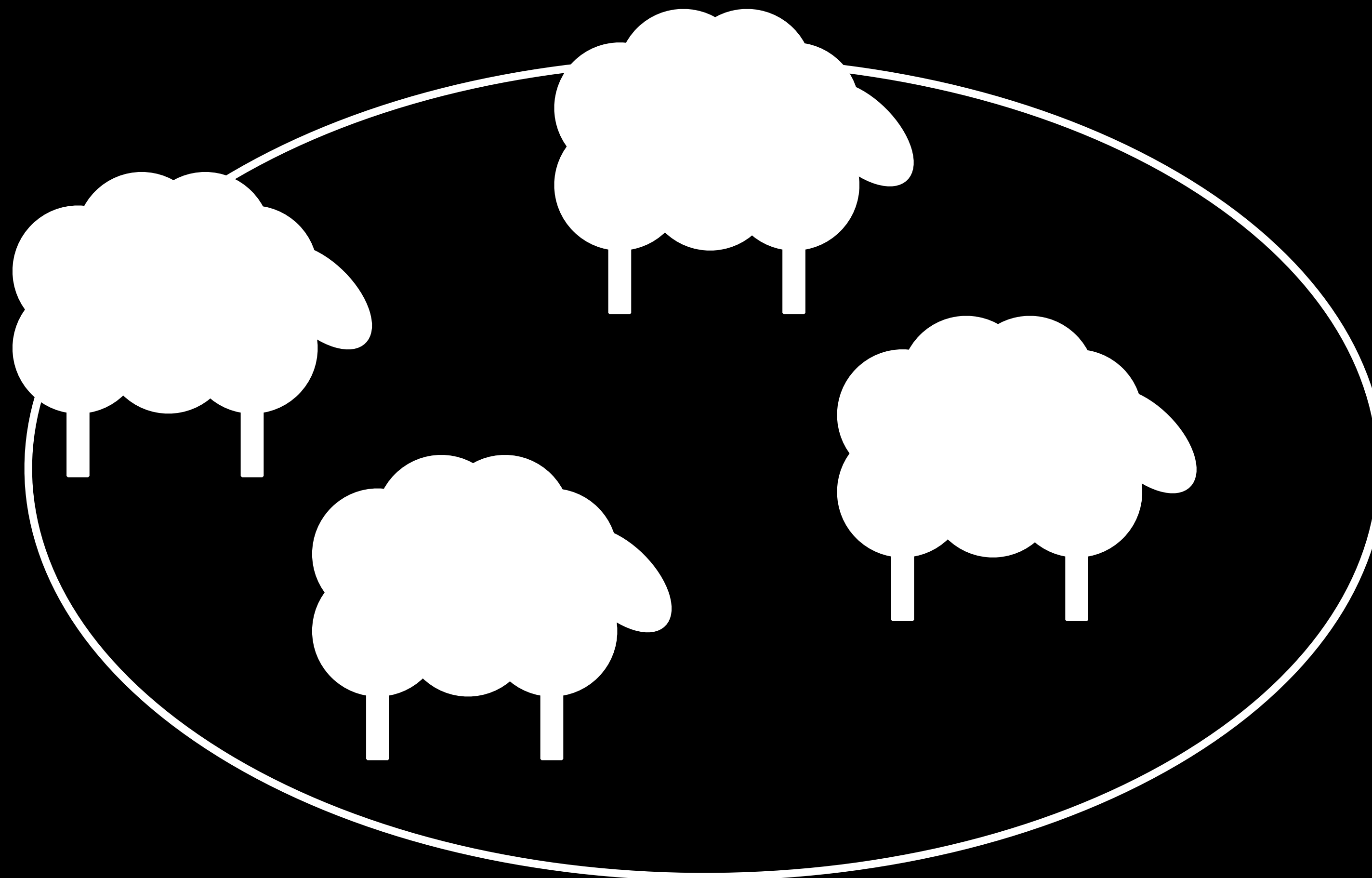
BOTTLENECK 4



INDUSTRY COMMONS

BUILDING A LEGACY FOR CROSS-DOMAIN COLLABORATION
AND DATA INTEROPERABILITY

THE COMMONS?



AGENCY?



...the observer frequently wishes to evoke images of helpless individuals caught in an inexorable process of destroying their own resources.

Elinor Ostrom

KNOWLEGE?



In the examples critiqued by Ostrom, actors are stripped of knowledge, domain specialism or ability to make a valuable (e.g. unique, novel or resourceful) contribution.



COMMONS



COMMONS
AGENCY + KNOWLEDGE



INTEROPERABILITY (ONTOLOGY ECOSYSTEM)

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SYSTEMS OF AGREEMENTS (FROM INTERNATIONAL REGULATION TO PEER-TO-PEER CONTRACTS)

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SYSTEMS OF RESPONSIBILITY (CSR, RESPONSIBLE AI, DATA ETHICS)

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SYSTEMS OF RESPONSIBILITY (CSR, RESPONSIBLE AI, DATA ETHICS)

SYSTEMS OF BELIEFS (SOCIAL AND CULTURAL VALUES)

BREAKTHROUGH INNOVATION
(MODELLING OF CURRENT AND EMERGING MARKET POSSIBILITIES)

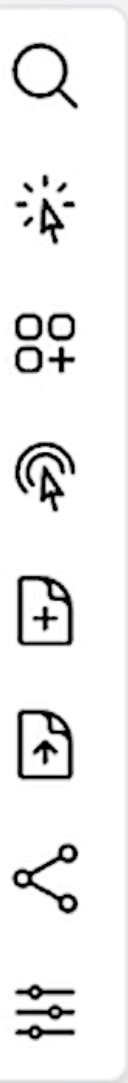
INTEROPERABILITY (ONTOLOGY ECOSYSTEM)

SYSTEMS OF AGREEMENTS (FROM INTERNATIONAL REGULATION TO PEER-TO-PEER CONTRACTS)

SYSTEMS OF RESILIENCE (ENVIRONMENTAL SUSTAINABILITY AND BLACK SWAN EVENT RESILIENCE)

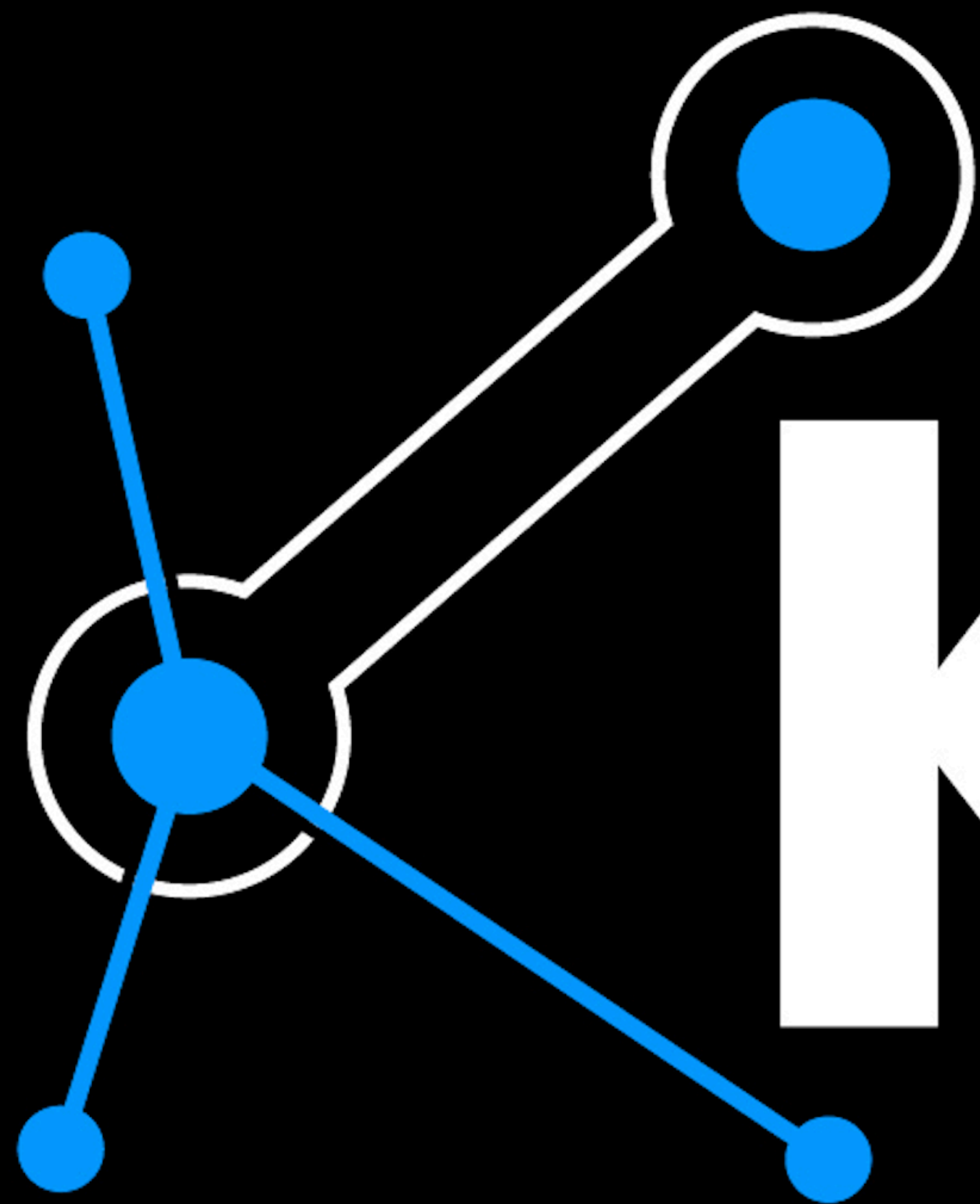
SYSTEMS OF RESPONSIBILITY (CSR, RESPONSIBLE AI, DATA ETHICS)

SYSTEMS OF BELIEFS (SOCIAL AND CULTURAL VALUES)



The benefit of ontologies and instances following those ontologies is that we can craft a straightforward, transparent experience that actually asks upfront and knows what to ask.

Katariina Kari,
Lead Ontologist, IKEA Inter-Global Systems



KGGA

KNOWLEDGE GRAPH ALLIANCE