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Data Science for the SDGs

A new collaboration between DFID, ONS, and you?

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Data Science isn't new to SDGs, but it evolves




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“Data Analytics”

“Data Science” / “Big Data”

“AI”?



2009

2011

2013

2015

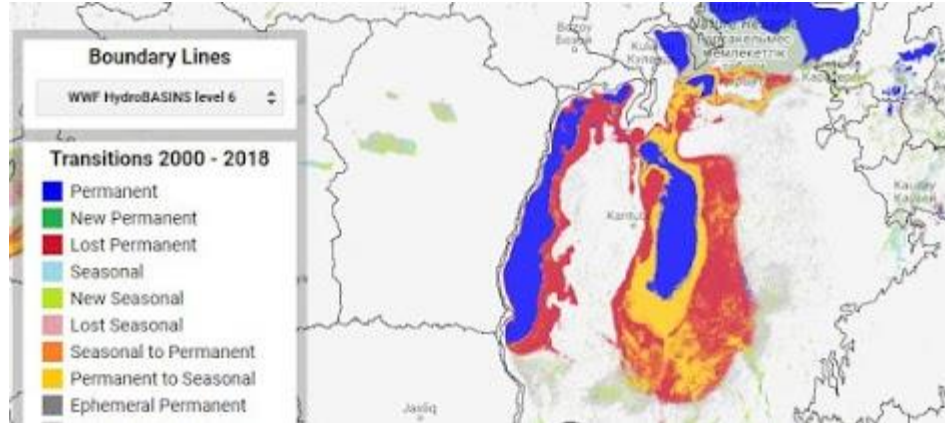
2017

2019

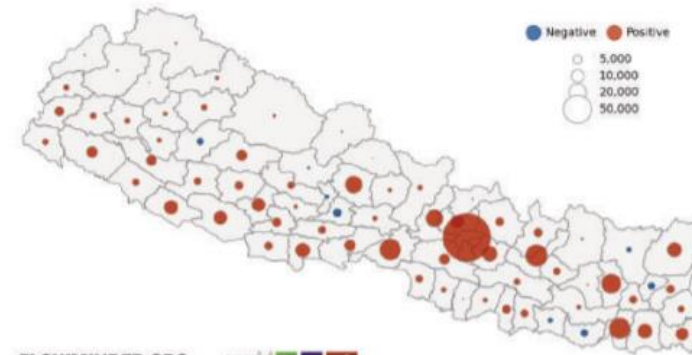
2021

2023

What Data Science might offer – programme tools

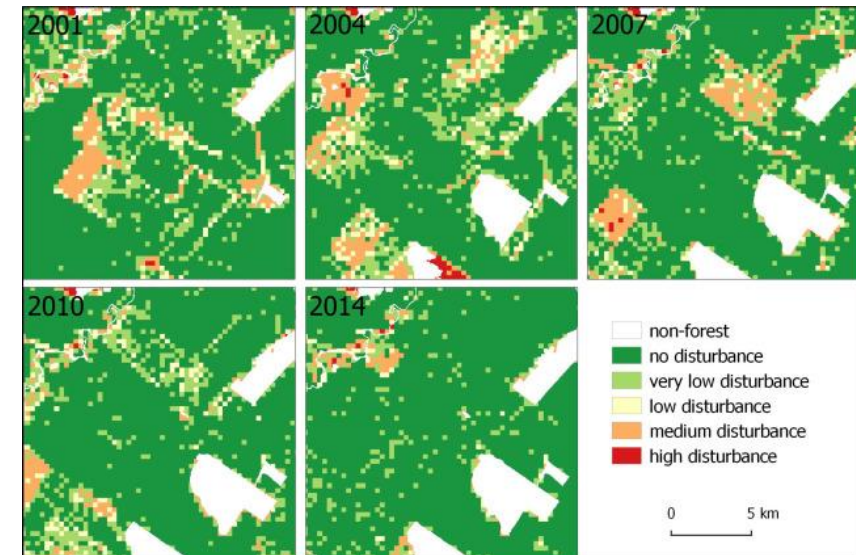
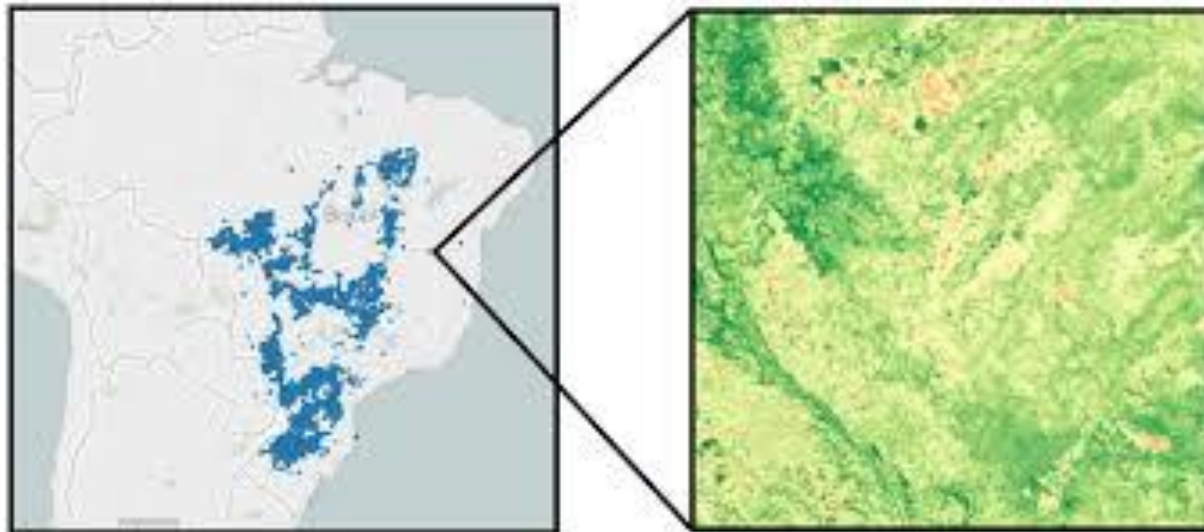


Above normal inflow to each district
(negative numbers indicate less incoming people than expected)



FLOWMINDER.ORG

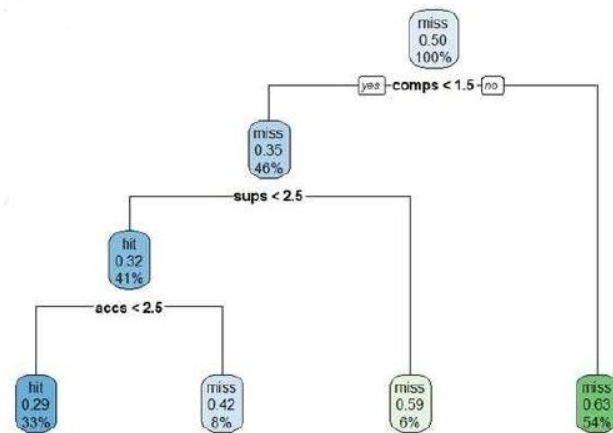
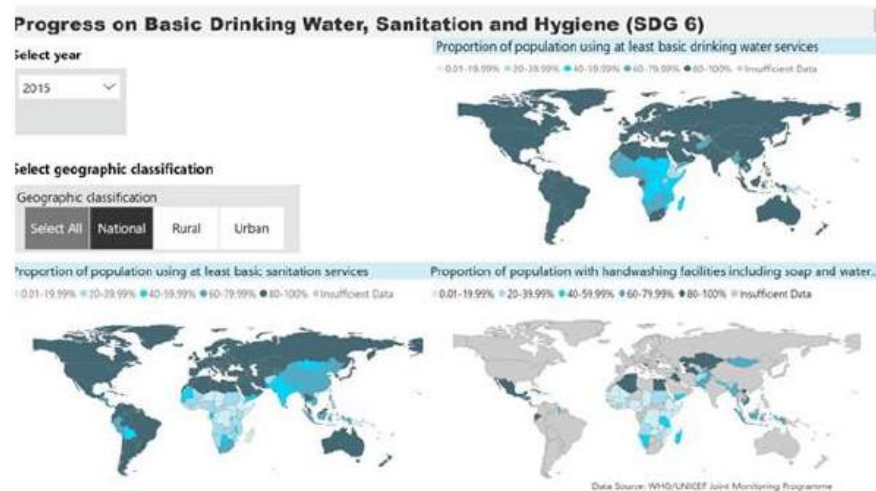
Source: Flowminder, taken from WorldPop



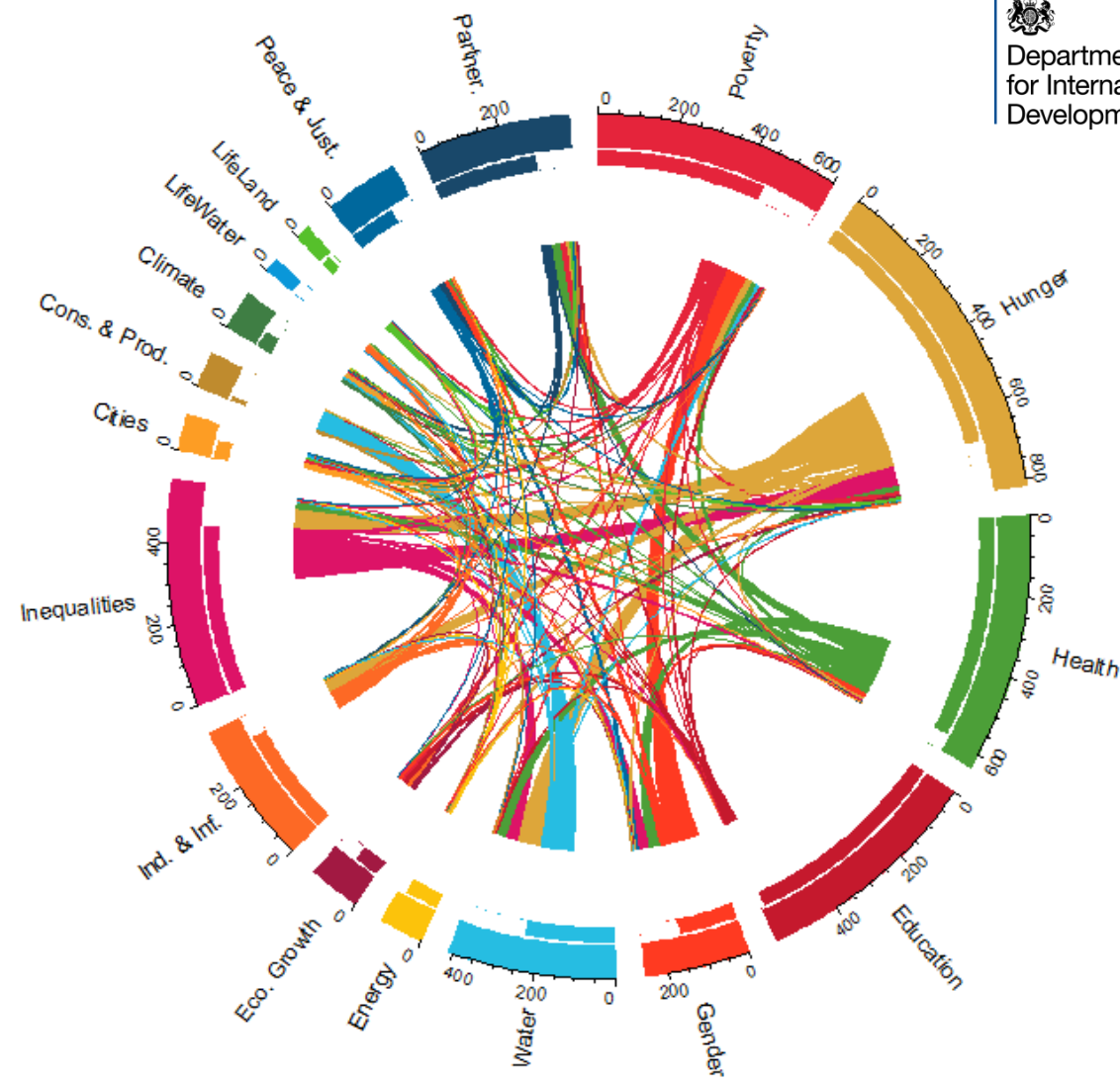
What Data Science might offer – admin tools



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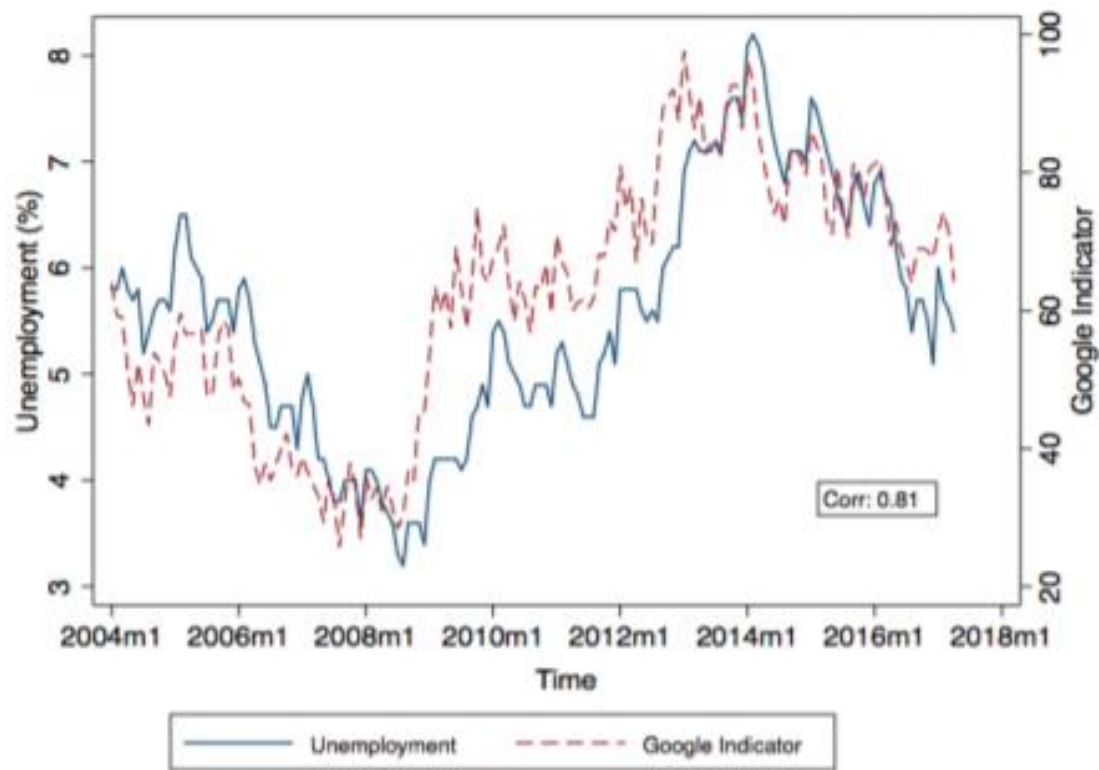
Cluster 39 DAC 5 Sector



What Data Science might offer – **faster indicators**



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Satellite data indicate deeper Chinese manufacturing slowdown than official statistics

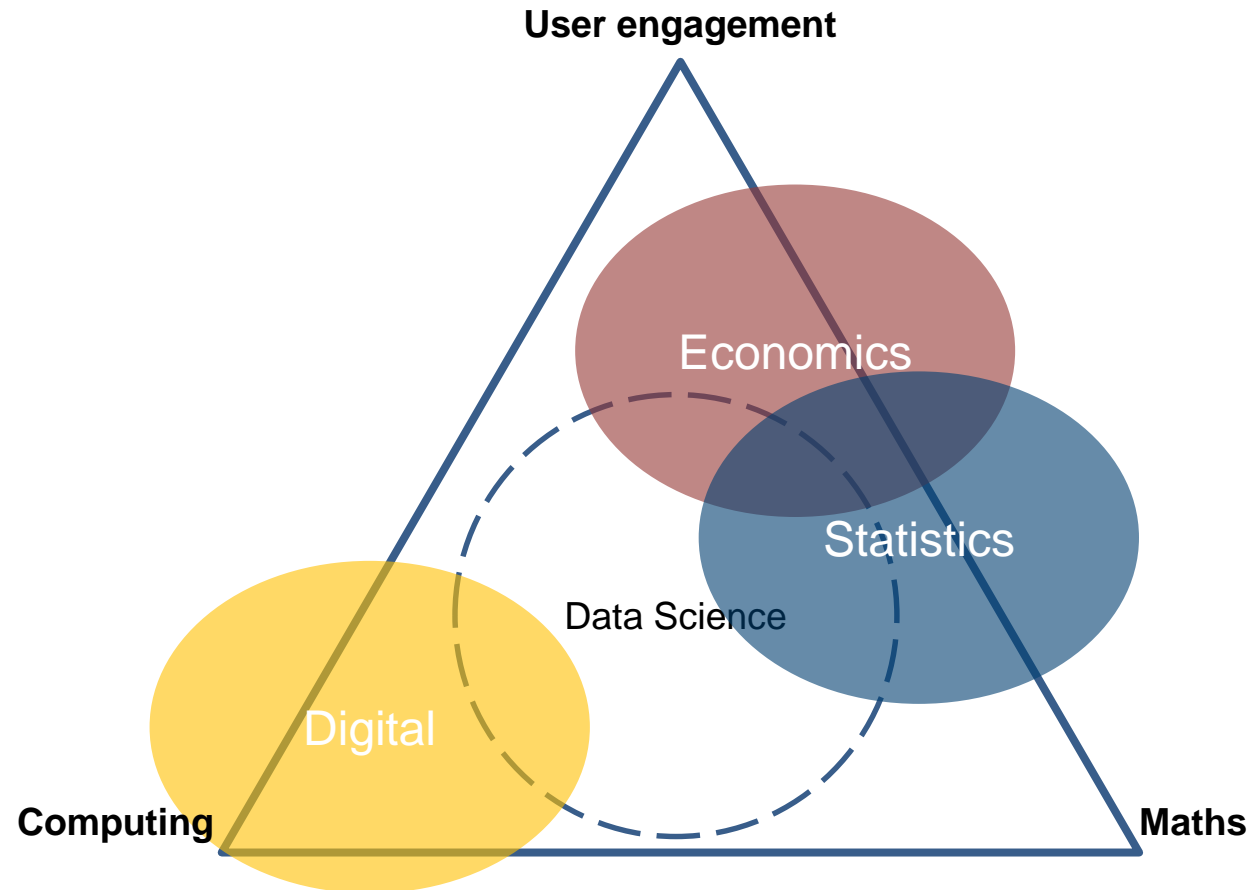


Sources: China Federation of Logistics and Purchasing; SpaceKnow
© FT

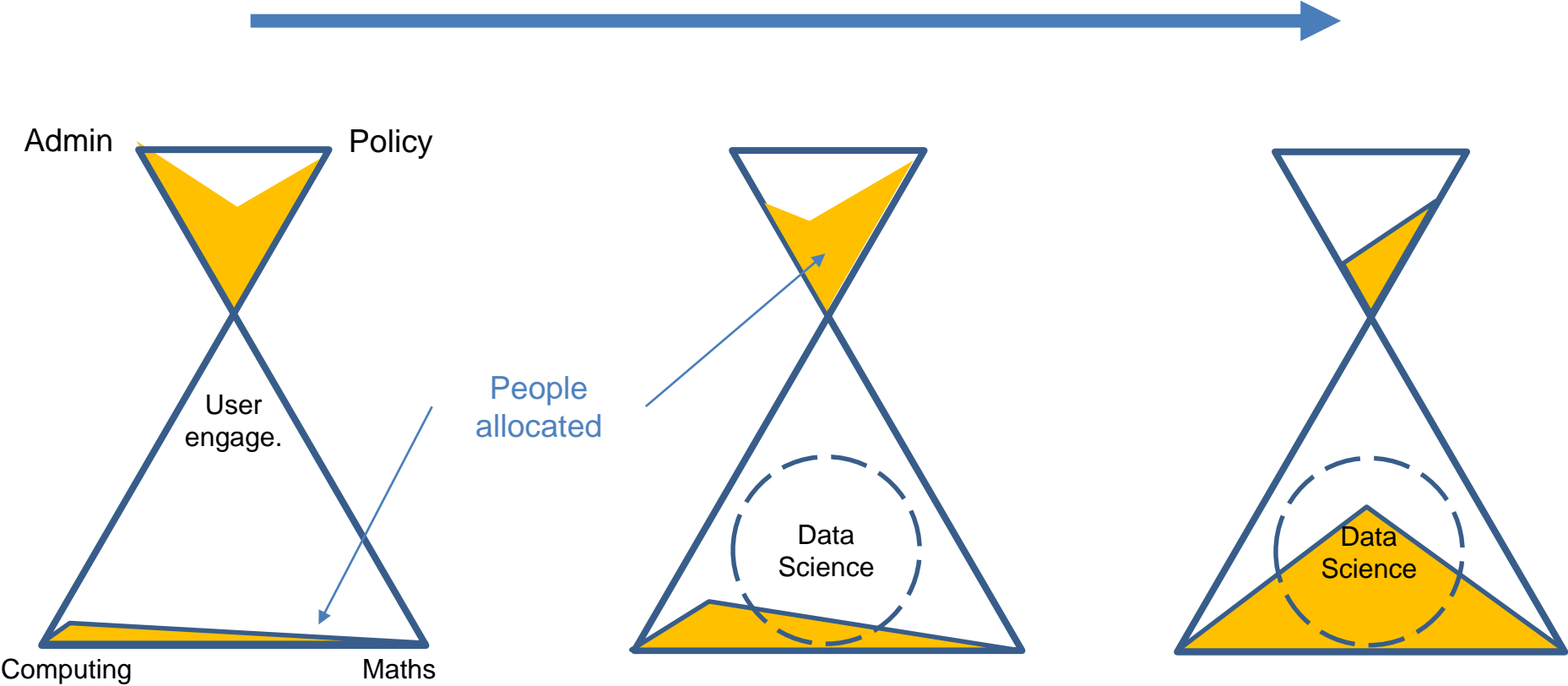
“Data Science” is part of a **wider ecosystem** in DFID...



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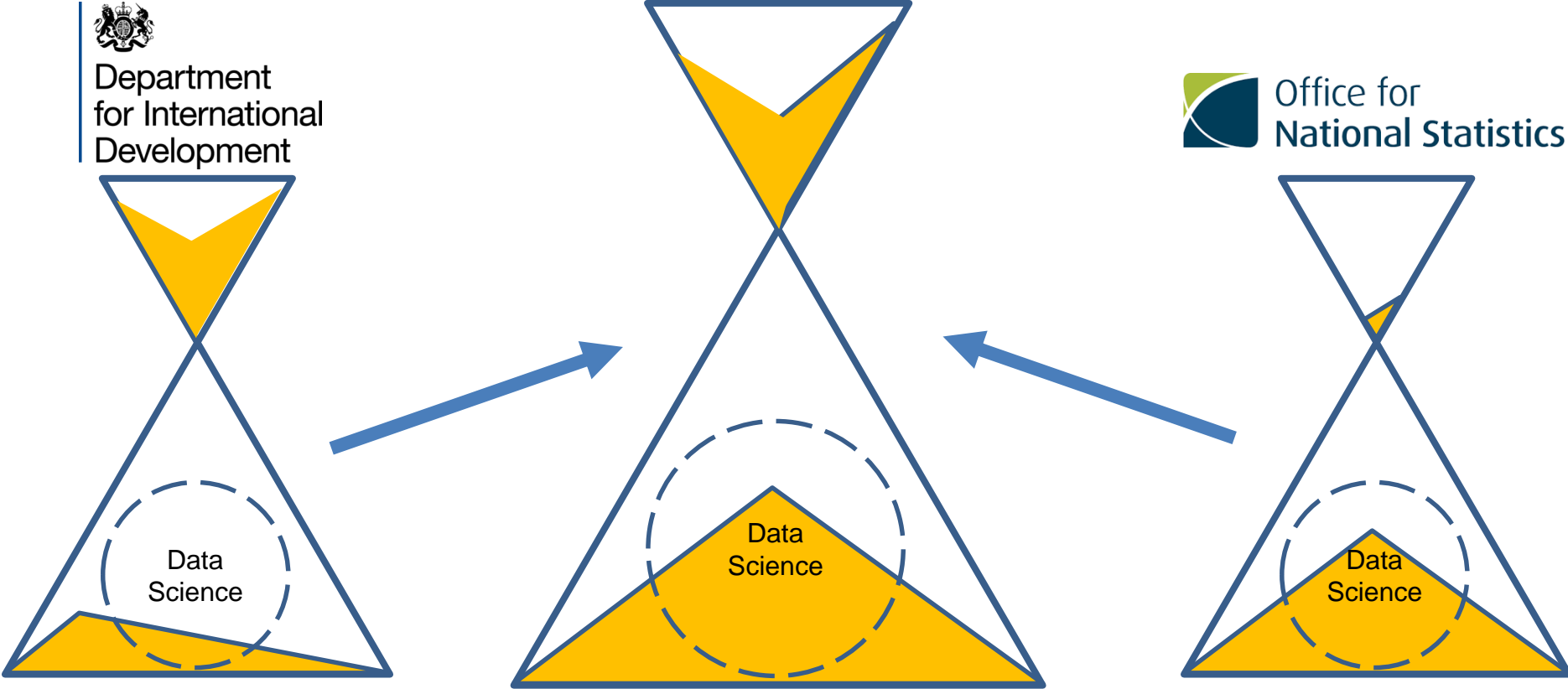
DFID's skills trajectory: good but with a long way to go



Partnering ONS technical-skills with DFID aid-skills



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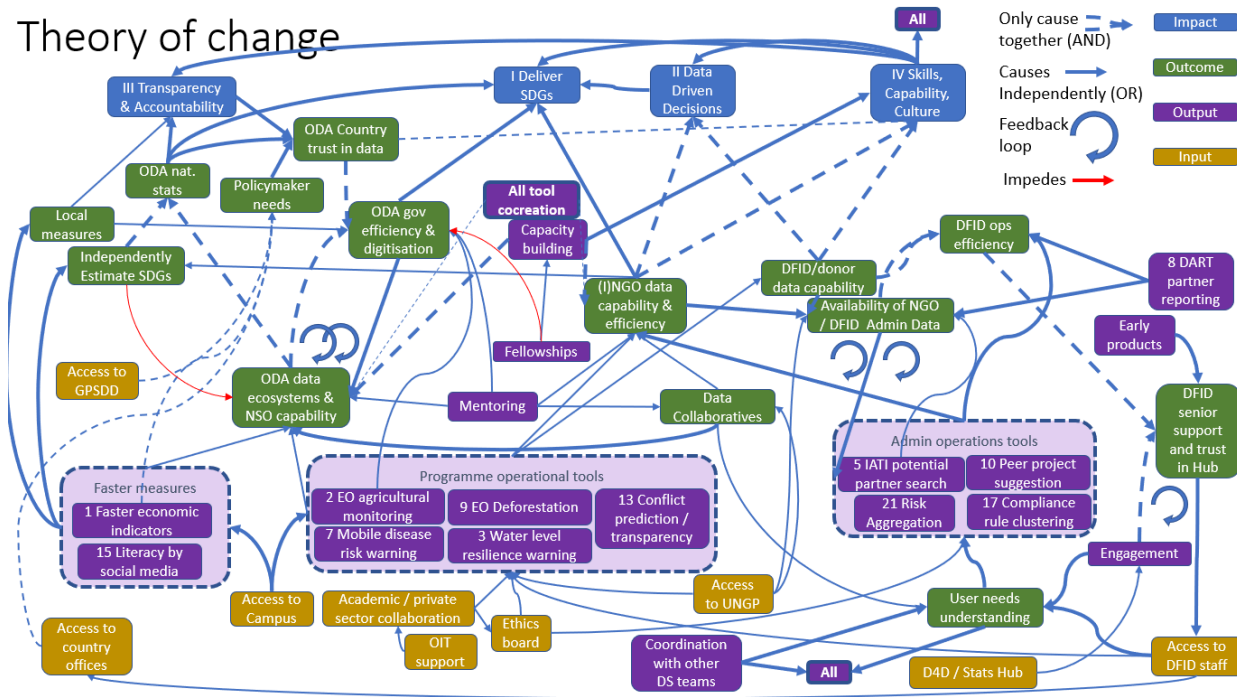


We have come some way **planning and recruiting**



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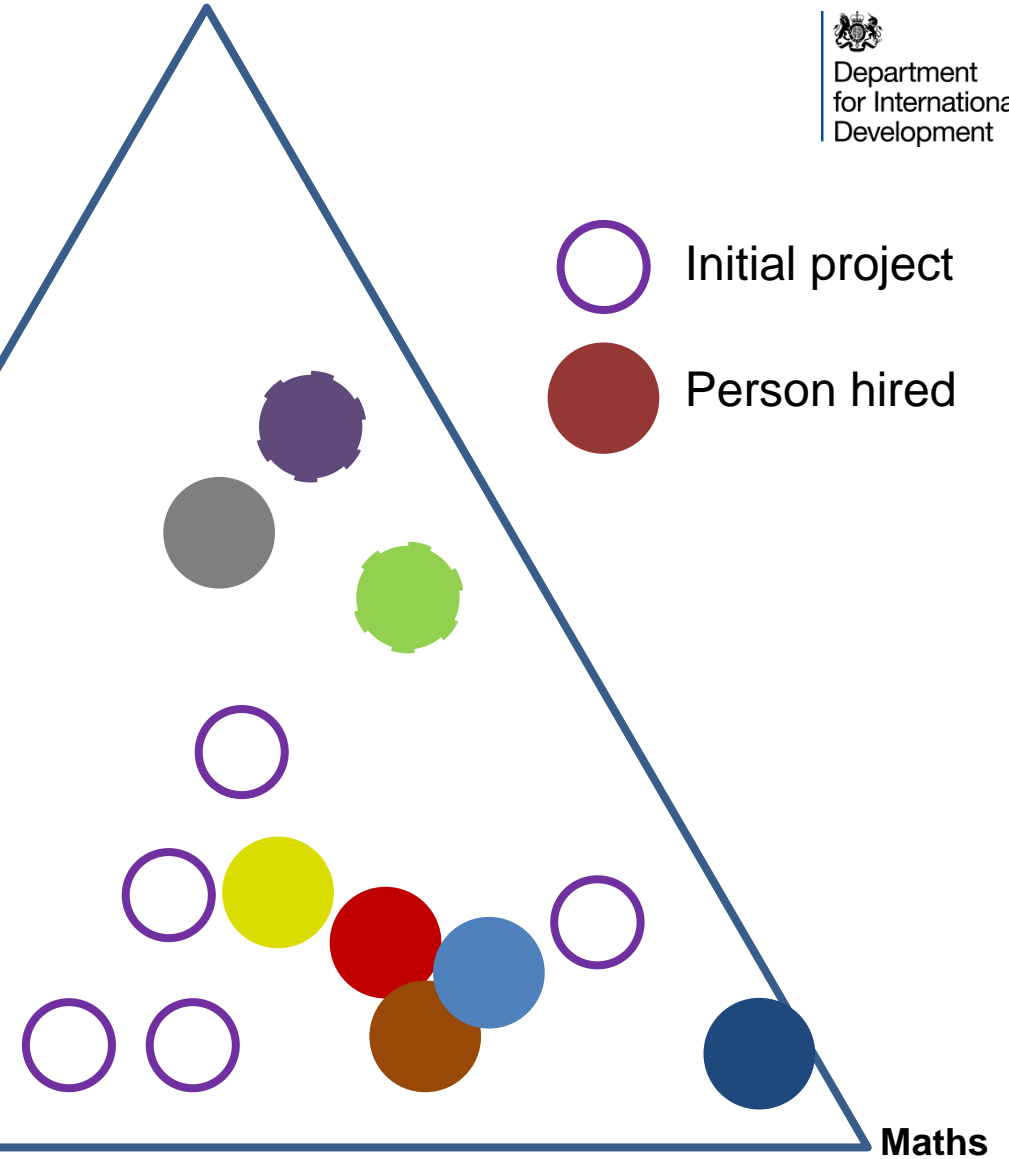
Theory of change



User Design

Computing

Maths



We need more input from potential partners and users



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As an FAO publisher of economic stats, I want more reliable imputation

As a humanitarian programme manager at DFID, I want to have a better idea of how big a conflict will get

As a department of agriculture senior manager, I want to direct agricultural support where it's most needed

As a transparency lead at DFID, I want to encourage our partners to publish more about what they're doing with money