

Frameworks for data collaboration in the private sector. Lessons Learned

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Minimize the cost of data reuse

Existing data strategies come with significant data engineering costs

80% of data management is in the preparation

We spend the majority of our time preparing data, and only 20% of our time exploiting it.



Discovery



Curation



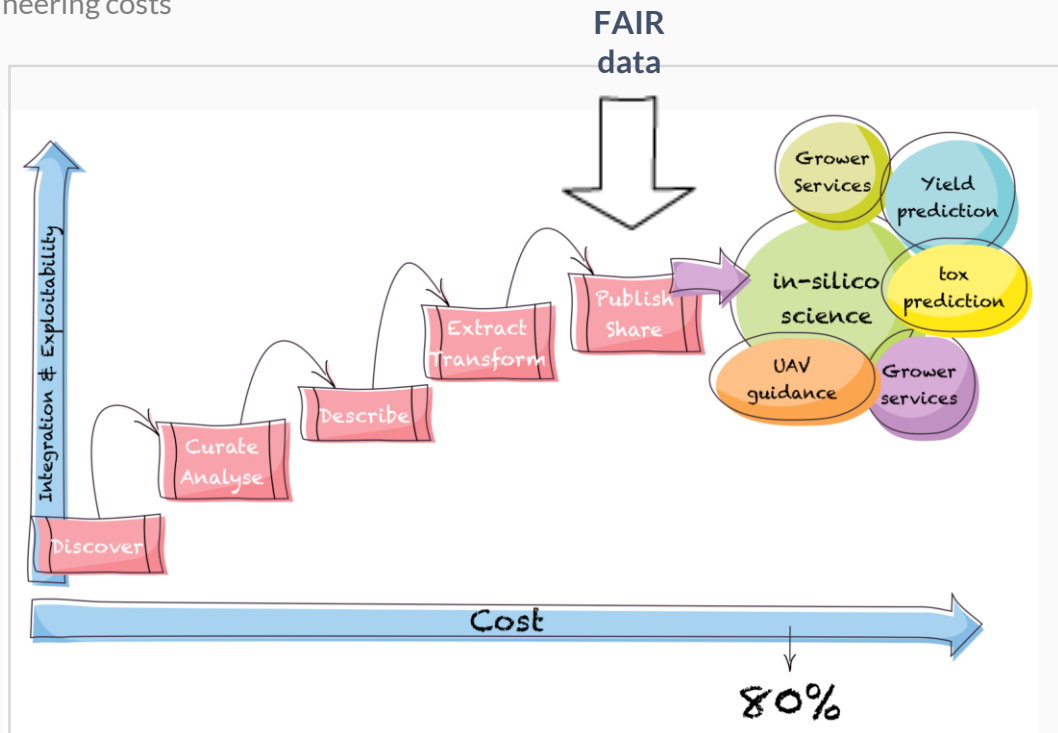
Describe and Model



Publish and Sharing



Extract, Transform, Load

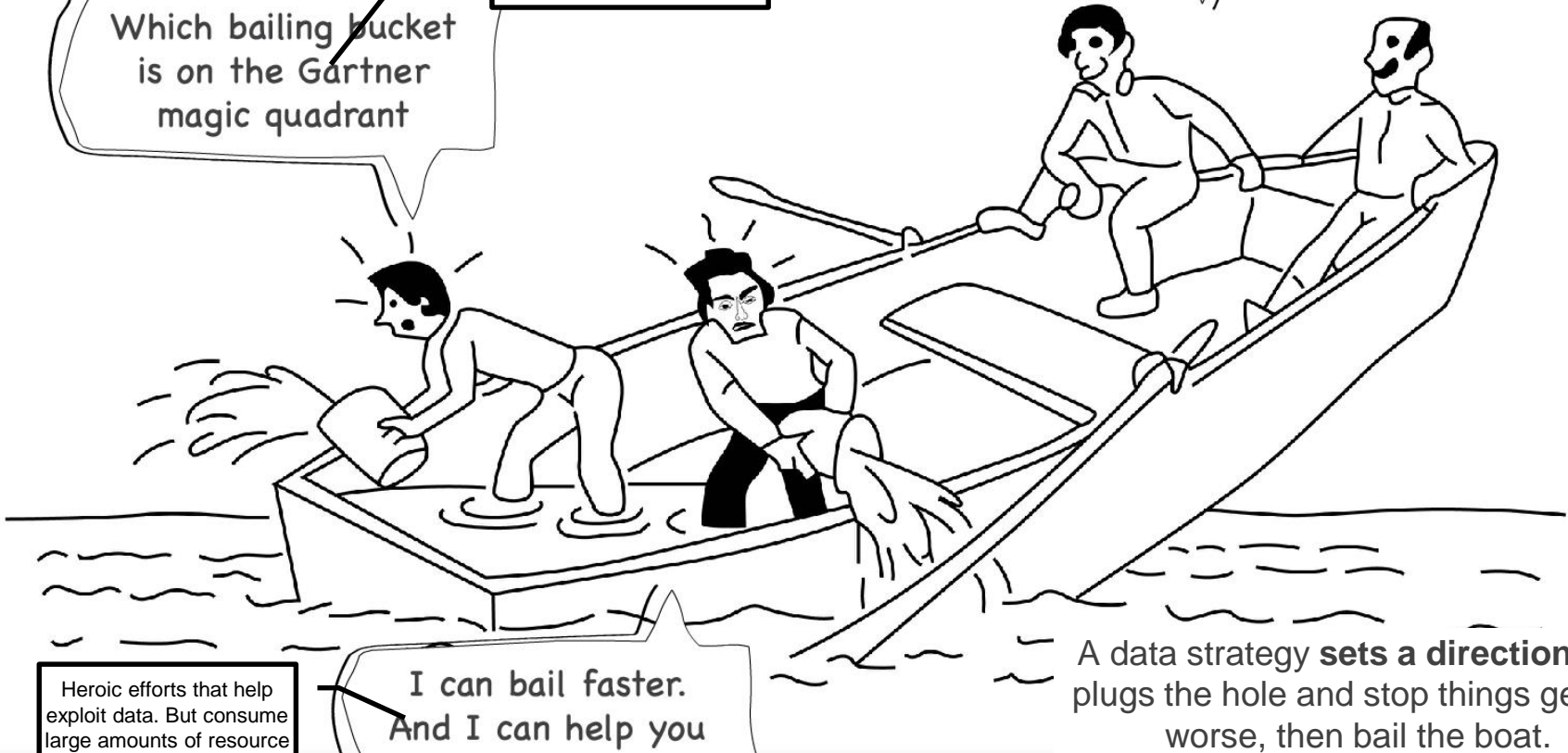


Isolated functional
and portfolio items

Sure glad the
hole isn't at
our end

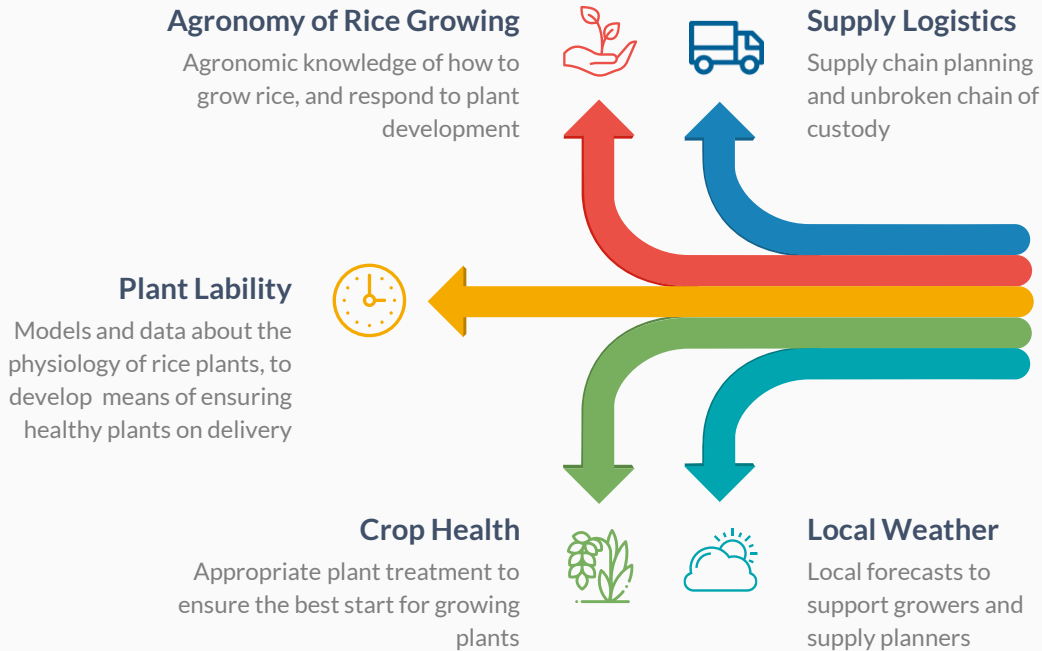
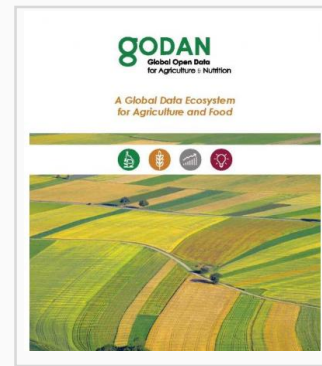
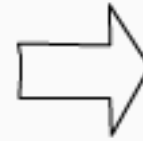
buying into new stuff: data
warehousing, data lakes,
tools that address the water.
rather than the leak

Which bailing bucket
is on the Gartner
magic quadrant



Integrated Solutions need FAIR Data¹

An example of an integrated solution that relies upon data from multiple sources



Mechanical Rice Planting

1. <http://www.godan.info/documents/data-ecosystem-agriculture-and-food>

FAIR Data Enterprise

It's a piece of strategy not a solution

Explained

an approach to publishing structured data so that it can be interlinked and become more useful for the enterprise



Culture

the act of data creation is intimately coupled with the act of information sharing



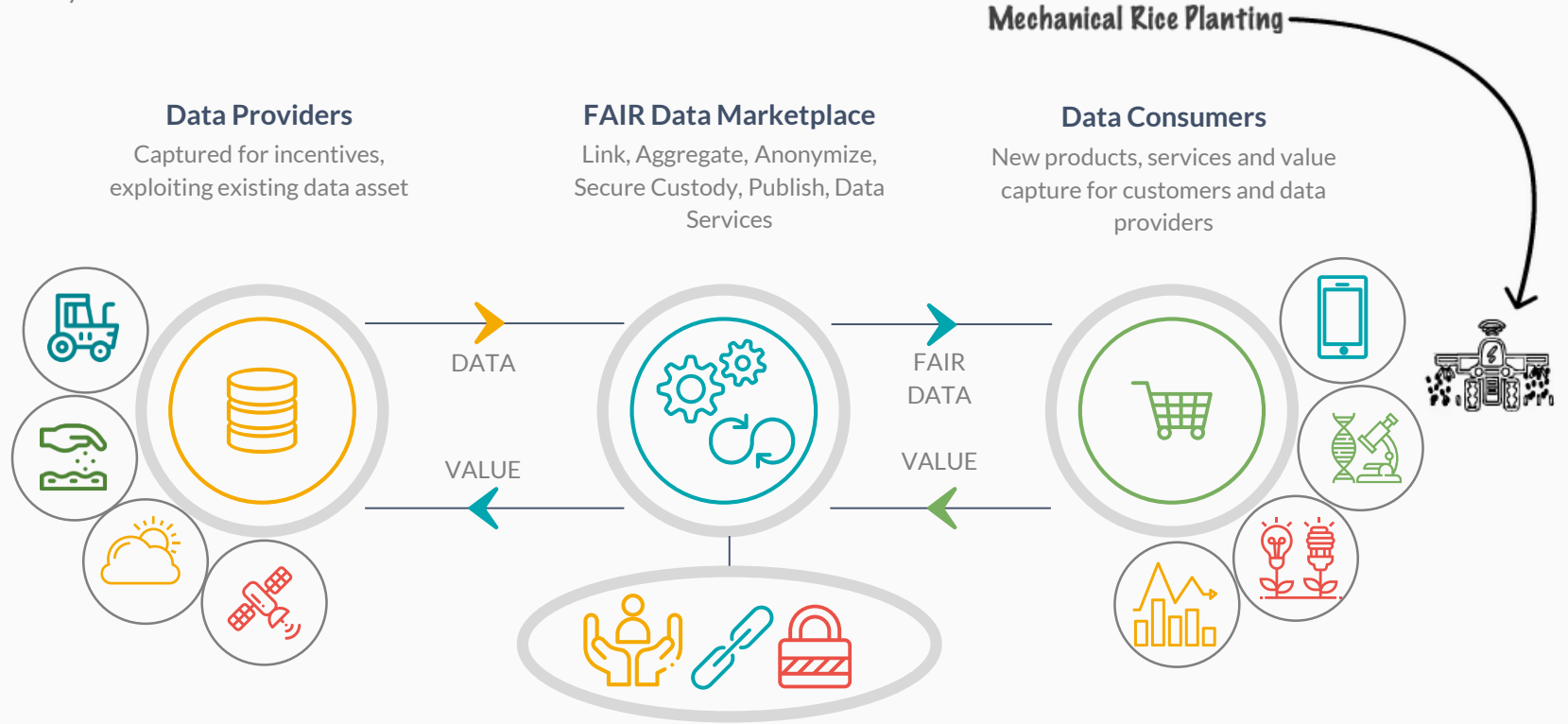
Unconscious Coupling

Individuals and groups continue to produce and consume information in ways that are specific to their own business needs, but they produce it in a way that can be connected to other aspects of the enterprise



Data Marketplace

How do they work?



Data Marketplace Show Case

Two examples of data marketplaces as data infrastructure



Agrimetrics

THE CATALYST FOR CHANGE

Agrimetrics. National Data Infrastructure



Platform for
Big Data
in Agriculture

Unifying Data Infrastructure for R&D