

# 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



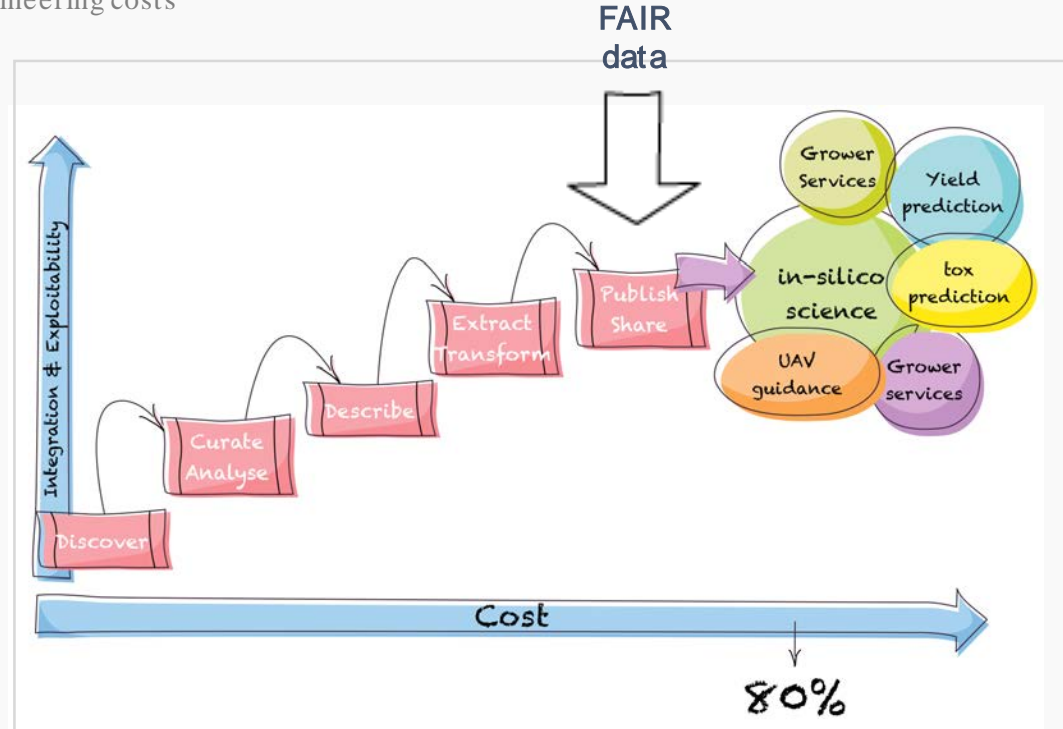
Describe and Model



Publish and Sharing



Extract, Transform, Load

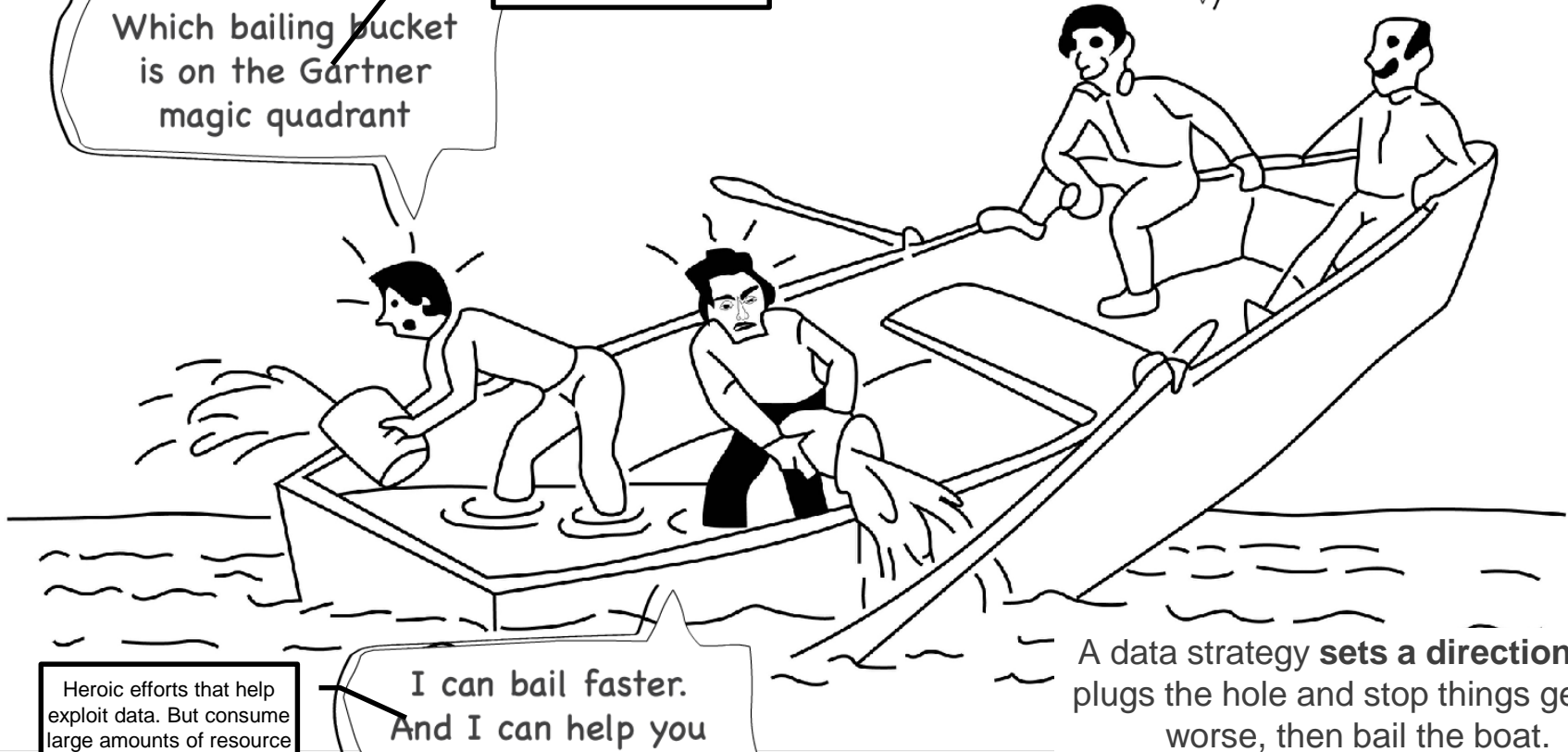


Isolated functional  
and portfolio items

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



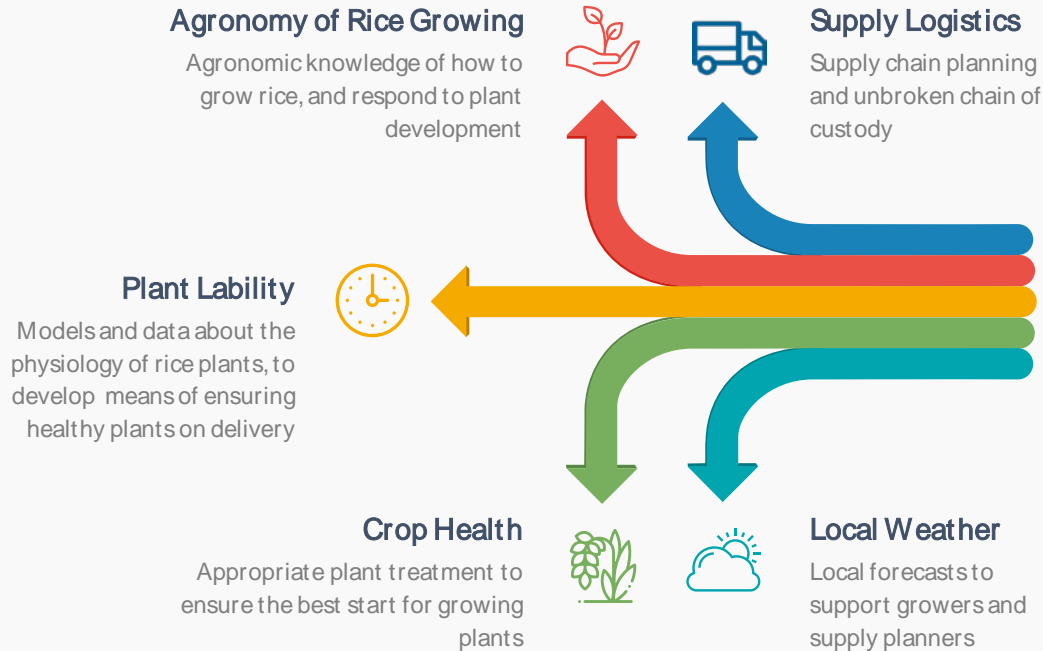
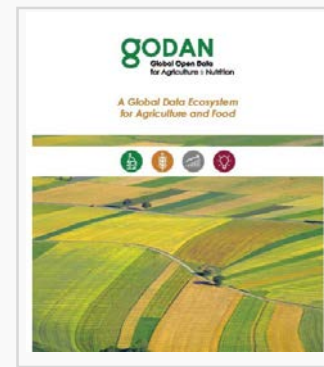
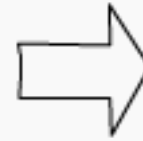
Heroic efforts that help  
exploit data. But consume  
large amounts of resource  
and effort

I can bail faster.  
And I can help you

A data strategy **sets a direction** that  
plugs the hole and stop things getting  
worse, then bail the boat.

# Integrated Solutions need FAIR Data<sup>1</sup>

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**



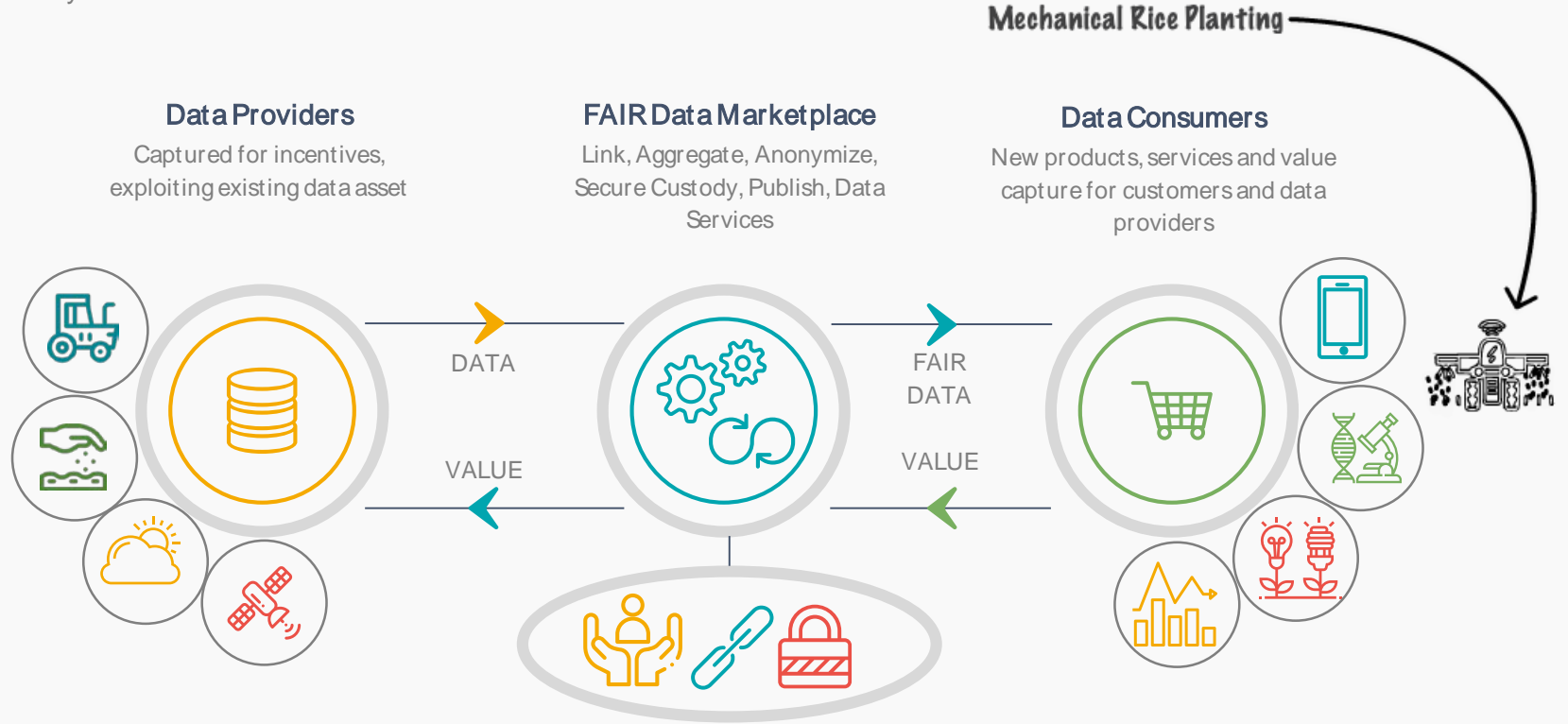
### Unconscious Coupling

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**

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Platform for  
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Unifying Data Infrastructure for R&D