

## Active Data-Intensive Research

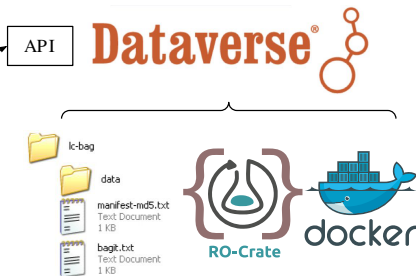
Research and  
data management  
tools



Interoperability  
Middleware

Extracts and generates metadata, Research Objects,  
workflows, provenance, containers from researcher's  
tools and computing environments.

## Published Data and Research



**HARVARD** Data Commons  
UNIVERSITY