



Award #: 1724728

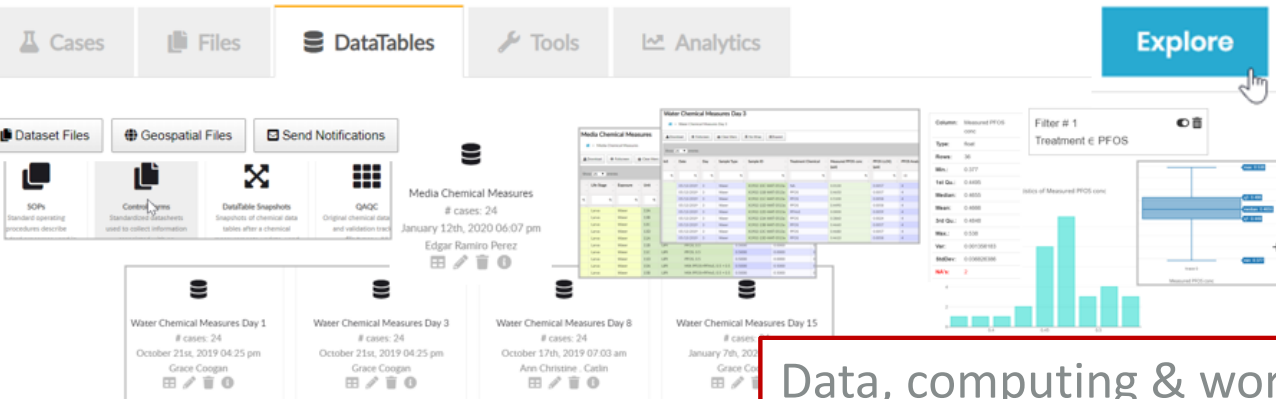
# CIF21 DIBBs: Creating a Digital Environment for Enabling Data-Driven Science

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Institutions: Purdue University, University of Pennsylvania, University of Minnesota



## EcoTox X1902 Dataset: Chronic effects of a low per and poly-fluoroalkyl substance ...

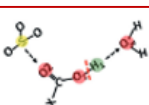


Multi-dimensional data models  
Powerful data table services  
Instrument data transformation  
Plug-in validation, data completeness  
Statistical tools  
Workflow tracking  
Interactive R-based analytics  
FAIR-compliant

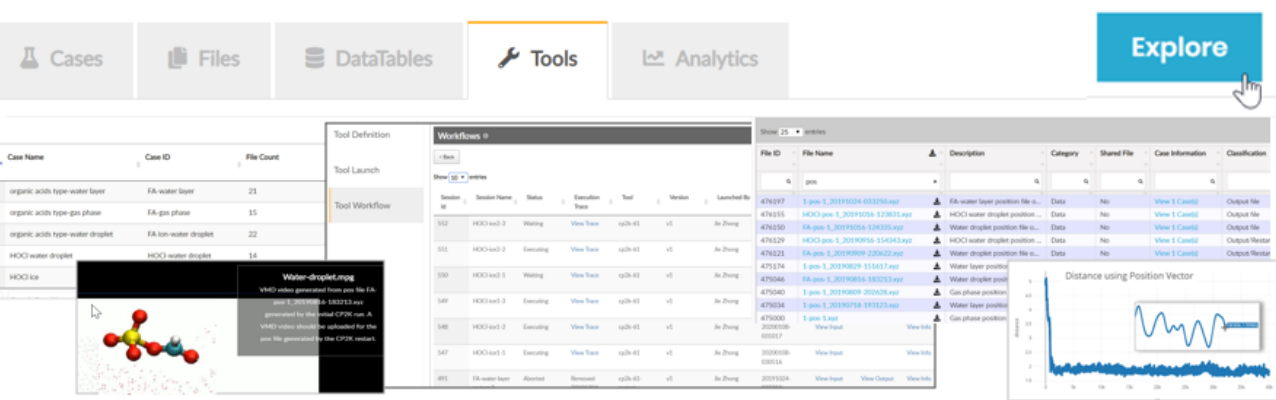


Collection  
Organization  
Preservation  
Metadata standards  
Computing Tools  
Analytics  
Sharing  
HPC Facilities  
Workflows  
Provenance  
Results Traceability  
Reproducibility  
Exploration  
Visualization  
Search & Linkage  
Dissemination  
Publication & Reuse  
FAIR compliance

Data, computing & workflows **come together** in datasets that research teams build, use and share **across the entire investigation**. DEEDS is effective across science domains!



## Organic Acid-SO<sub>3</sub> Reaction Dataset



File classification by type & use  
Upload validation & tracking  
Repository visualization  
Tool definition & import  
Tool launch & data transport  
Licensed & open source packages  
Research codes & models  
Workflow capture & control