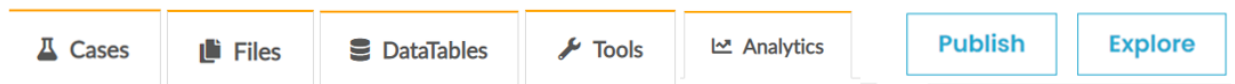


DEEDS Getting Started with your Dataset

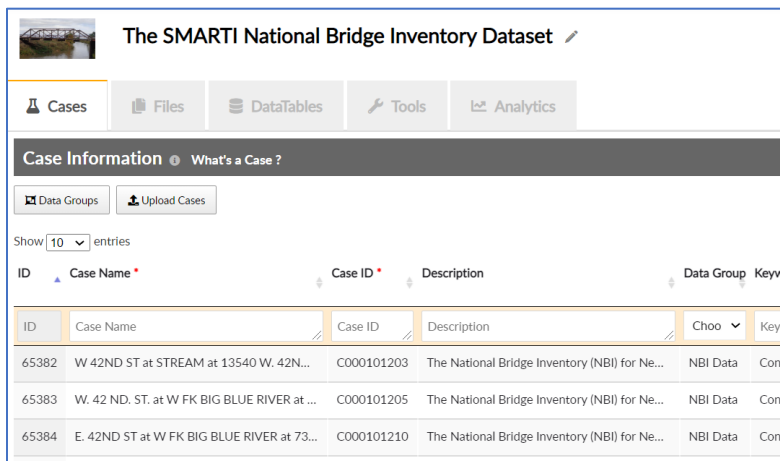
You will use the DEEDS Dashboard to build your project dataset.



Using Dashboard tabs, you will upload and manage your **Files**, build and update your **DataTables**, import and launch your **Tools**, analyze results with **Analytics**, and assign metadata to data and tools.

Your first step will be to define **Cases**.

Cases organize your files, data table measurements, tool executions, and analysis results. To help you get started with cases, here are some examples.



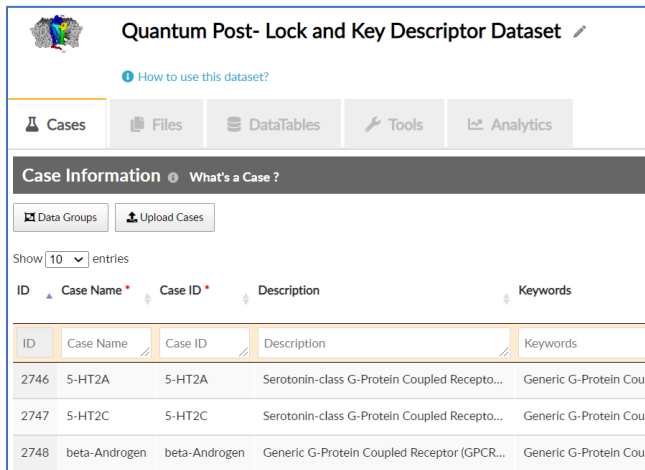
The SMARTI National Bridge Inventory Dataset

Case Information

ID	Case Name	Case ID	Description	Data Group	Keyw
65382	W 42ND ST at STREAM at 13540 W. 42N...	C000101203	The National Bridge Inventory (NBI) for Ne...	NBI Data	Con
65383	W. 42 ND. ST. at W FK BIG BLUE RIVER at ...	C000101205	The National Bridge Inventory (NBI) for Ne...	NBI Data	Con
65384	E. 42ND ST at W FK BIG BLUE RIVER at 73...	C000101210	The National Bridge Inventory (NBI) for Ne...	NBI Data	Con

This civil engineering dataset investigates bridge inspection data such as load/condition/sufficiency ratings, bridge structure, and average daily traffic.

DEEDS cases are **bridges** identified by location, facility and features. All data, images, video, and computational results from Jupyter notebooks are connected directly to the cases.



Quantum Post- Lock and Key Descriptor Dataset

Case Information

ID	Case Name	Case ID	Description	Keywords
2746	5-HT2A	5-HT2A	Serotonin-class G-Protein Coupled Recepto...	Generic G-Protein Cou
2747	5-HT2C	5-HT2C	Serotonin-class G-Protein Coupled Recepto...	Generic G-Protein Cou
2748	beta-Androgen	beta-Androgen	Generic G-Protein Coupled Receptor (GPCR...	Generic G-Protein Cou

This quantum chemistry dataset studies G-protein coupled receptors (GPCR).

DEEDS cases are GPCR **receptor classes**, each with example chemicals that interact with the receptor.

All Gaussian and post-processor input and output files, all computational tool executions, and all results are connected to a case. The cases organize the chemicals investigated.

ID	Case Name	Case ID	Description	Data Group
100764	X1703 - Unit 201 AMTI Control	X1703-201	2017 Experiment 3: Experimental Unit 201,...	Experimental...
100765	X1703 - Unit 202 AMTI Control	X1703-202	2017 Experiment 3: Experimental Unit 202,...	Experimental...
100766	X1703 - Unit 203 AMTI Control	X1703-203	2017 Experiment 3: Experimental Unit 203,...	Experimental...

This environmental science dataset investigates the ecological risk posed by per- and polyfluorinated alkyl substances (PFAS).

Each DEEDS case is an **aquarium** or experimental unit defined by its species and treatment (chemicals and their concentrations.)

All measurements, observations, analysis, and results are connected directly to cases.

ID	Case Name	Case ID	Description	Keywords
639	NREL_System_51	System51	Solar farm in Golden Colorado, flat-plate ph...	solar photovoltaic sy
640	NREL_System_50	System50	Solar farm in Golden Colorado, flat-plate ph...	solar photovoltaic sy
874492	Sandia_Can_Poly	CP1_270P	Solar farm in Albuquerque, NM. Poly-Si, 12 ...	Sandia, efficiency de
875416	DuraMat_MN_System_259472	MN_259472	Solar farm in Minneapolis MN, PV Module ...	solar photovoltaic sy
875417	DuraMat_MN_System_373938	MN_373938	Solar farm in Minneapolis MN, PV Module ...	solar photovoltaic sy

This electrical engineering dataset studies long term performance, reliability, and failure of solar photovoltaic modules.

Each DEEDS case is a **solar farm** defined by PV module technology, weather, voltage and other field data at that site.

All input, output, computing workflows, and results analysis are directly connected to a case.

Cases can be bridges, buildings, chemicals, solar farms, trees, mesocosms, global grid locations, or any other experimental unit that optimizes the organization of your research data, computational workflows, and results analysis.