DATABASES AT THE HUB

NOW YOU CAN CREATE THEM YOURSELF!

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HUBbub 2013

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Ruwan Gamage
Nabeel Yoosef

- What is a Hub database?
- How are Hub database created?
- Some customized databases
- Creating your own Hub databases

Download

Child Behavior Checklist: # Questions answered as "Missing" or "PRA"

Show 10 entries

First Previous 1 Next Last

Search:

Site	QIa Missing	QIa PRA	QIb1i Missing	QIb1i PRA	QIb1ii Missing	QIb1ii PRA	QIb1iii Missing	QIb1iii PRA	QIb2i Missing	QIb2i PRA	QIb2ii Missing	QIb2ii PRA	QIb2iii Missing	QIb2iii PRA	QIb3i Missing
KATH	1	0	0	0	0	0	1	0	13	0	12	0	12	0	30
KB										0	1	0	5	0	0
T										0	13	0	17	0	30

Sho

Last

Search:

ssion C]	HIV Transmission Mode [Other] (n,%)	Duration of HIV (n,mean,sd)	HIV+ caregiver (n,%)
Kor (Dis	1 , 1.37	52 , 1.53 , 2.26	30 , 41.10
Kor (Us	6 , 7.32	81 , 1.78 , 2.59	48 , 58.54
T	7 , 4.52	133 , 1.67 , 2.46	78 , 50.32

Sho

ext Last

Se

CD4+ Cell count (percent) (n,mean,std)
47 , 30.10 , 9.19
70 , 31.62 , 12.97
117 , 31.01 , 11.63

Si

olute)(n,mean,std)

CD4+ Cell count(percent)(n,m

Sho

Firs

WHAT IS A HUB DATABASE?
(UNDERNEATH)

“databases” component	configuration, access control, backup, repository structure, applications	the building blocks for Hub developers to create customized databases on any Hub
“forms” component	“toolkit” for building & processing data collection forms (mywebform.php)	
“dataviewer” component	presentation and exploration of data (mydatadefinition.php)	
“datastore” component	the whole package for data collection and exploration	package for all Hub users to create their own databases on any Hub
“datastore lite” at projects	“lite” version of the whole package for data collection and exploration	

DATABASES: FEATURES & TIME LINE

2009

cceHUB

Cancer Care Engineering

Collect clinical data
Track blood & tissue samples
Store laboratory analysis files
Browse, search, export data

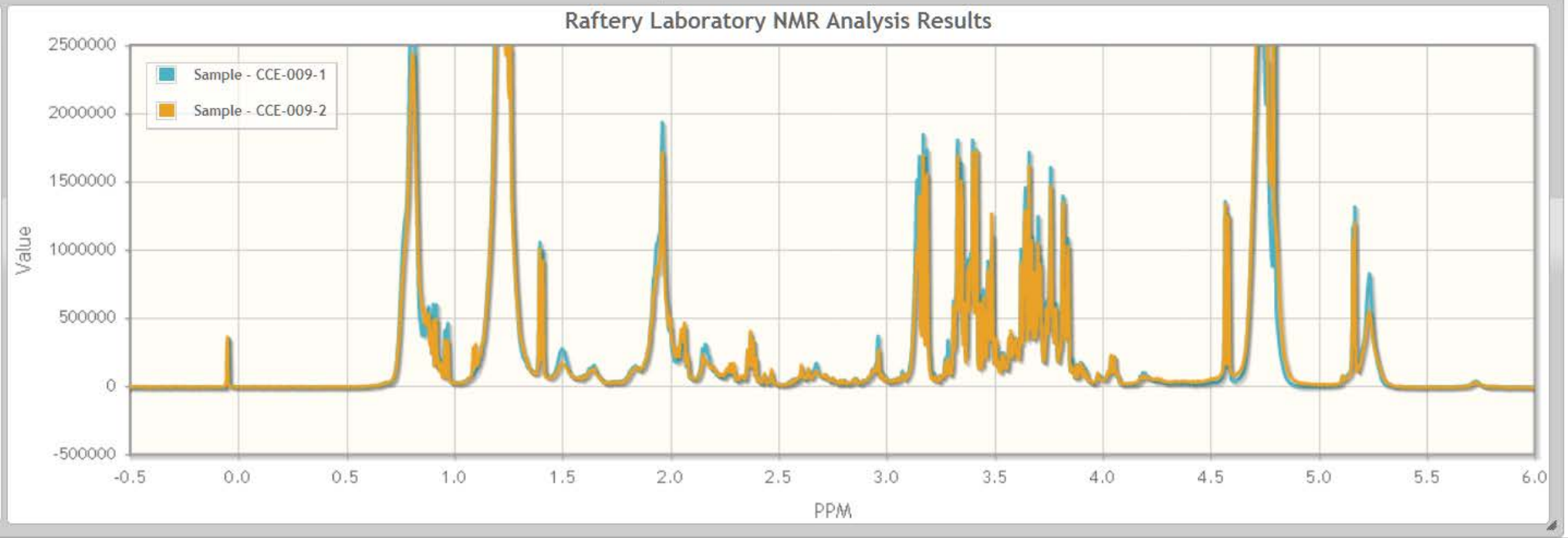
Download | Charts | **Raftery Laboratory NMR Analysis Results (Data)**

Predefined Charts

Select a Chart:
Raftery Laboratory NM

Reload | Download

PPM, Value



Show 20 entries | First Previous 1 2 3 4 5 Next Last | Search:

Sample Barcode	PPM	Value
CCE-009-1	10.775	-0.000823
CCE-009-1	10.772	-45249
CCE-009-1	10.769	-47266
CCE-009-1	10.766	-43746
CCE-009-1	10.763	-43474
CCE-009-1	10.76	-42416
CCE-009-1	10.757	-41986

Show 20 entries | Showing 1 to 020 of 268 entries | First Previous 1 2 3 4 5 Next Las

DATABASES: FEATURES & TIME LINE

2009

cceHUB
first data Hub

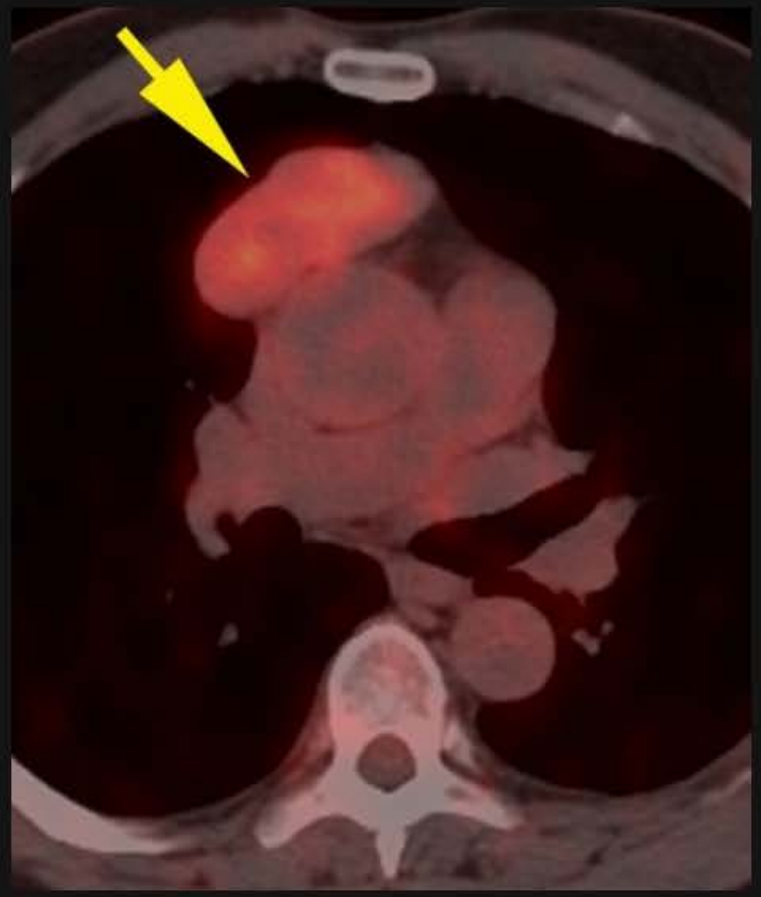
CCE Database
Data Collection
Data Tracking
Data Repository
Data Exploration

2010

5 databases
3 Hubs

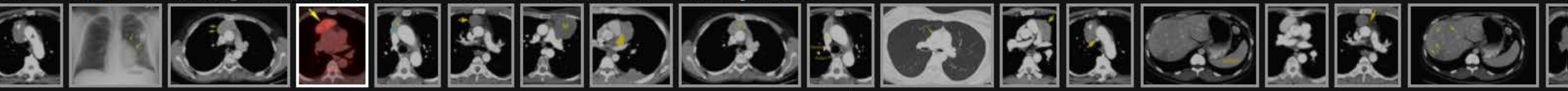
Building custom databases
Generalizing the technology
DataView
Web forms toolkit
Spreadsheet databases

ITMIG Retrospective Database



Contrast enhanced CT at the level of the right pulmonary artery shows a well-circumscribed homogenous anterior mediastinal mass separated from the ascending aorta by a fat plane. Surrounding mediastinal fat is preserved without infiltration. Corresponding fused axial PET-CT image at the same level shows **mild diffuse FDG uptake within the mass (arrow)**. The CT features are suggestive of early stage thymoma. At surgery this was found to be an encapsulated thymoma, stage I disease.

tos 66 / 88 Showing 1 to 88 of 88 photos First Prev 1 Next Last Show Question ? Sta



Mode Study Guide Search GO ☑ Title ☑ Description ☑ Stage ☑ Keywords

Show 10 entries Showing 1 to 10 of 5,862 entries First Previous 1 2 3 4 5 Next

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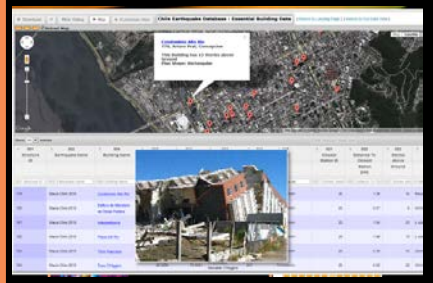
2011



22 databases
6 Hubs

Data drill-down
Maps
Graphs
Computations
Export
Launching tools
Photo gallery
Access control

The Vision of the NEES Databases

Until now, the study of specific subjects in engineering required each investigator to collect data on the subject manually, from journal to journal, and from report to report, through hundreds or thousands of sources. The effort often led to a table - a database - that summarized through mostly quantitative parameters the results from large numbers of tests of studies. The table was seldom published in its entirety, and if published, it was available exclusively in printed media with limited dissemination. That implied that the next researcher interested in the same subject had to repeat the effort.

The NEES Databases are a new resource designed to interrupt this inefficient cycle by preserving subject-specific databases. The databases have been designed to

- serve as a common repository of data vetted by professional communities dedicated to the study of specific research subjects
- connect the data they contain to their sources
- allow the combination of photographs, plots, quantitative data, and digital files
- allow the use of tools to process and analyze rapidly the data they contain

The future of engineering lies in our ability to use efficiently all the information that is being generated continuously throughout the globe since the beginning of the 20th century. The vision of the NEES Databases is to provide a reliable tool that improves the ways in which we store and process this information.

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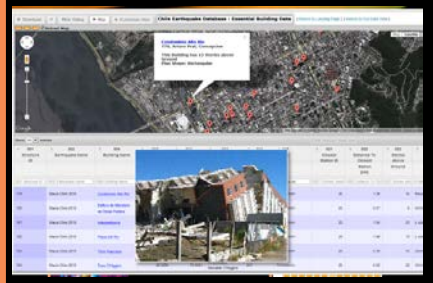
2012



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30 databases
10 Hubs

Download | **Measurements : NIR Spectra** | Return to Excipients Knowledge Base

Show 15 entries | First Previous 1 2 3 4 5 Next Last | Search:

ID	Excipient	Product	Lot	Property	Spectra Data	Humidity	Temperature	Test Method	Sample ID
308	Croscarmellose Sodium	Ac-D							NIRspectra_ac-di-sol_001_20110201
309	Croscarmellose Sodium	Ac-D							NIRspectra_acdisolSD-2_20110201
310	Croscarmellose Sodium	Ac-D							NIRspectra_acdisolSD-3_20110201
319	Microcrystalline cellulose	Emc							NIRspectra_emcocel90m_001_20110201
320	Microcrystalline cellulose	Avic							NIRspectra_avicelph101_001_20110201
321	Microcrystalline cellulose	Avic							NIRspectra_avicelph102_001_20110201
322	Microcrystalline cellulose	Avic							NIRspectra_avicelph200_001_20110202
323	Microcrystalline cellulose	Avic							NIRspectra_avicelph200_002_20110201
359	Microcrystalline Cellulose and Carboxymethylcellulose Sodium	RC-							NIRspectra_rc-591_001_20110201
363	Microcrystalline cellulose	Micr cellu							NIRspectra_9201_001_20110202
364	Microcrystalline cellulose	Emc							NIRspectra_emcocel50m_001_20110202
365	Croscarmellose Sodium	Cros Sod							NIRspectra_cmsNa_001_20110201
370	Microcrystalline cellulose	Avic							NIRspectra_avielph101_001_20100717
371	Microcrystalline cellulose	Avic							NIRspectra_avicelph101_002_20100717
372	Microcrystalline cellulose	Avic							NIRspectra_avicelph102_001_20100717
ID	cr	Pro							e ID

Croscarmellose Sodium
Microcrystalline cellulose
Microcrystalline Cellulose and Carboxymethylcellulose

Show 15 | ing 1 to 15 of 144 entries (filtered from 205 total entries) | First Previous 1 2 3 4 5 Next Last

Clear colu

Meas. ID	Distribution Type	Lower Size Bound	Upper Size Bound	Midpoint Of Size Interval	Volume / Mass Percentage	Frequency	Cumulative

pharmaHUB

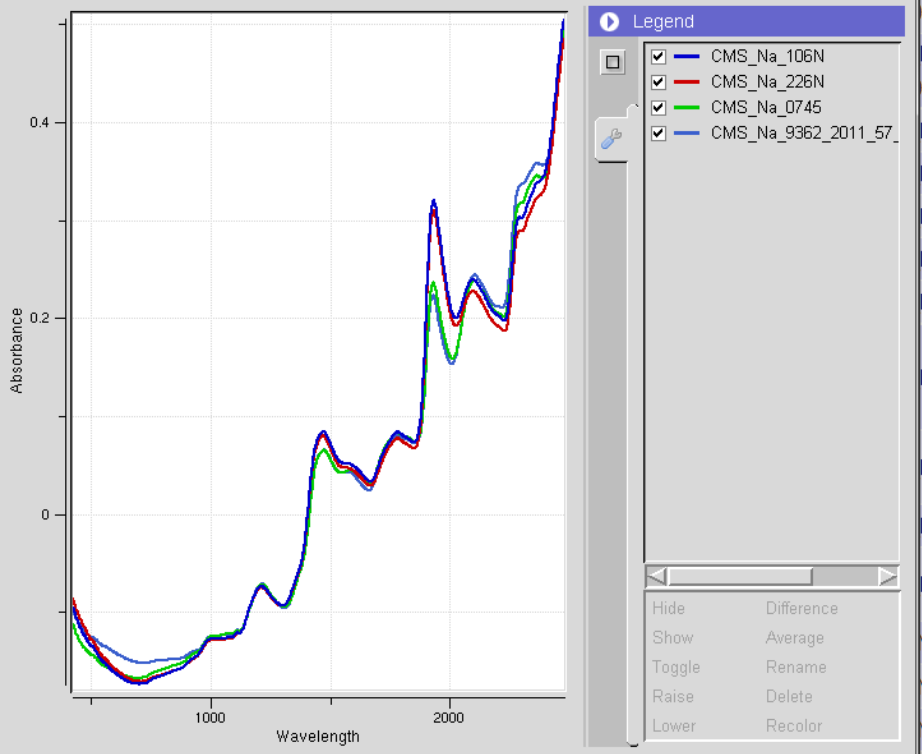
Simulate | About this tool | Questions?

Result: NIR Spectra

Savitzky-Golay Filter Parameters

Polynomial Order: 4

Window Width: 21



1 result | Clear

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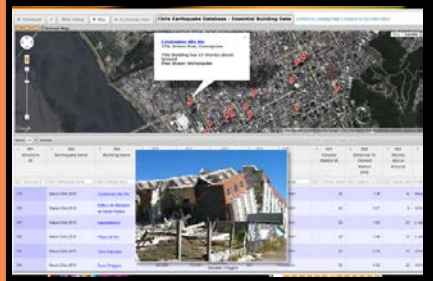

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2013

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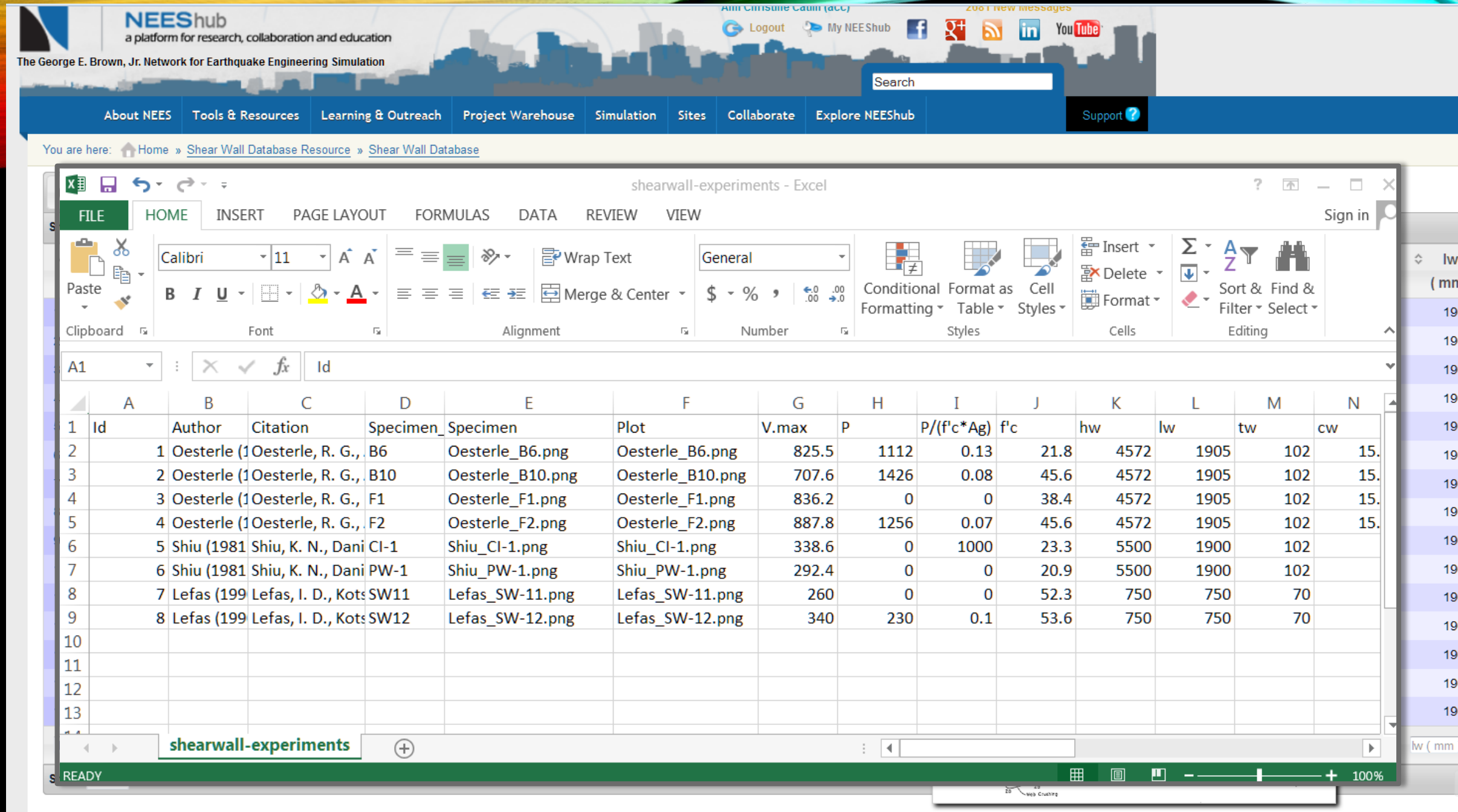
10 Hubs

DataStore Lite
DataStore
users can create their own Hub databases



Id	Author	Citation	Specimen_	Specimen	Plot	V.max	P	P/(f'c*Ag)	f'c	hw	lw	tw	cw
1	Oesterle (1	Oesterle, R. G.,	B6	Oesterle_B6.png	Oesterle_B6.png	825.5	1112	0.13	21.8	4572	1905	102	15.
2	Oesterle (1	Oesterle, R. G.,	B10	Oesterle_B10.png	Oesterle_B10.png	707.6	1426	0.08	45.6	4572	1905	102	15.
3	Oesterle (1	Oesterle, R. G.,	F1	Oesterle_F1.png	Oesterle_F1.png	836.2	0	0	38.4	4572	1905	102	15.
4	Oesterle (1	Oesterle, R. G.,	F2	Oesterle_F2.png	Oesterle_F2.png	887.8	1256	0.07	45.6	4572	1905	102	15.
5	Shiu (1981	Shiu, K. N., Dani	CI-1	Shiu_CI-1.png	Shiu_CI-1.png	338.6	0	1000	23.3	5500	1900	102	
6	Shiu (1981	Shiu, K. N., Dani	PW-1	Shiu_PW-1.png	Shiu_PW-1.png	292.4	0	0	20.9	5500	1900	102	
7	Lefas (199	Lefas, I. D., Kots	SW11	Lefas_SW-11.png	Lefas_SW-11.png	260	0	0	52.3	750	750	70	
8	Lefas (199	Lefas, I. D., Kots	SW12	Lefas_SW-12.png	Lefas_SW-12.png	340	230	0.1	53.6	750	750	70	