

2015 Materials Commons Training

Materials Commons

The login form consists of two input fields: 'Email...' and 'Password...', both with placeholder text and a required asterisk (*). Below the fields is a large blue rectangular button with the word 'Login' in white capital letters.

Email...

Password... *

Login



PROVENANCE



SAMPLES



REVIEWS



FILES



NOTES

[Logging In](#)

- You will have a starting account and project.
 - Account projX@mc.org (where X is a number, eg proj1@mc.org)
 - Password: projX (where X is a number, eg proj1)
 - Your starting home screen should look similar to the following
-

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

PROCESSES

No Processes.

REVIEWS

No Reviews.

SAMPLES

No Samples

FILES

proj1

- [Al+Mn-isosurface+ROI-composition-2-mN.BMP](#)
- [Al+Mn-isosurface+ROI-composition-2-zn.BMP](#)
- [Al+Mn-isosurface+ROI-composition-2.BMP](#)
- [Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP](#)
- [Al+Mn-isosurface+ROI-composition-ZN.BMP](#)
- [Al+Mn-isosurface+ROI-composition.BMP](#)

[Materials Commons Home Screen Overview](#)

- Now we will review the Home Screen and how to navigate around the Materials Commons web application
 - The next set of screens have additional information on them that aren't yet in your home screen
 - The layout is the same - the additional information is for demonstration purposes only
-

AZ91 Precipitation Evolut... 27

[Home](#) [Processes](#) [Files](#) [Samples](#) [Reviews](#) [Settings](#)**P PROCESSES**APT D
Fri Aug 21 2015Switch/Create
Projects

As Re... 1:38PM

Fri Aug 21 2015

gtarcea@umich.edu

gtarcea@umich.e

Main Navigation Tabs

REVIEWS

No Reviews.

NOTESobject.png note
gtarcea@umich.edu Fri Aug 21 2015

My note

SAMPLES

sample1 Search Project

gtarcea@umich.edu

Fri Aug 21 2015

**Account Settings
and Logout****FILES**

- AZ91 Precipitation Evolution
- AZ91 APT results
- APT results for AZ91
- Dataset 1
 - AI+Mn-isosurface+ROI-composition-2-mN....
 - AI+Mn-isosurface+ROI-composition-2-zn.B...
 - AI+Mn-isosurface+ROI-composition-2.BMP

August 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

1 notes
1 samples
2 processes

AZ91 Precipitation Evolut... 27

Home

Processes

Files

Samples

Reviews Settings

P PROCESSES

APT Data Analysis - 08/21/2015 @ 391... gtarcea@umich.edu

Fri Aug 21 2015

As Received - 08/21/2015 @ 1:38PM gtarcea@umich.edu

Fri Aug 21 2015

R REVIEWS

No Reviews.

N NOTESobject.png note
gtarcea@umich.edu Fri Aug 21 2015

My note

The Panels on screen give you an overview of your project

S SAMPLES

sample1

gtarcea@umich.edu

Fri Aug 21 2015

F FILES

- AZ91 Precipitation Evolution
- AZ91 APT results
- APT results for AZ91
- Dataset 1
 - AI+Mn-isosurface+ROI-composition-2-mN....
 - AI+Mn-isosurface+ROI-composition-2-zn.B...
 - AI+Mn-isosurface+ROI-composition-2.BMP

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23	24	25	26	27	28	29

The calendar lets you see your history of events such as process and sample creation

1 notes
1 samples
2 processes

AZ91 Precipitation Evolut... 27

[Home](#)[Processes](#)[Files](#)

APT Data Analysis - 08/21/2015 @ 1:39PM

PROCESSES

APT Data Analysis - 08/21/2015 @ 1:39PM gtarcea@umich.edu

Fri Aug 21 2015

As Received - 08/21/2015 @ 1:38PM gtarcea@umich.edu

Fri Aug 21 2015

Click on an item to see an overview of it

REVIEWS

No Reviews.

DETAILS:

Description about process:

--None--

Reason you performed the process:

--None--

Owner: gtarcea@umich.edu

Does Transform: false

SETUP: SYSTEM INFORMATION

SAMPLES:



sample1

Fri Aug 21 2015 , gtarcea@umich.edu

FILES:

Files Used:



R38_01710-v01-FIXED BIN-0.2NM.BMP

Files Produced:

--None--



Overview of chosen process

[OK](#) [Cancel](#)

Al+Mn-isosurface+ROI-composition-2.BMP

NOTES

object.png note

gtarcea@umich.edu

Fri Aug 21 2015

My note

August 2015

[today](#) [<](#) [>](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

1 notes
1 samples
2 processes

[Creating Your First Sample](#)

- All starting samples are created through a process called “As Received”
 - The only required field is the sample name
 - There is currently a bug that you cannot associate files with the “As Received” process
 - This will be fixed after the workshop
-

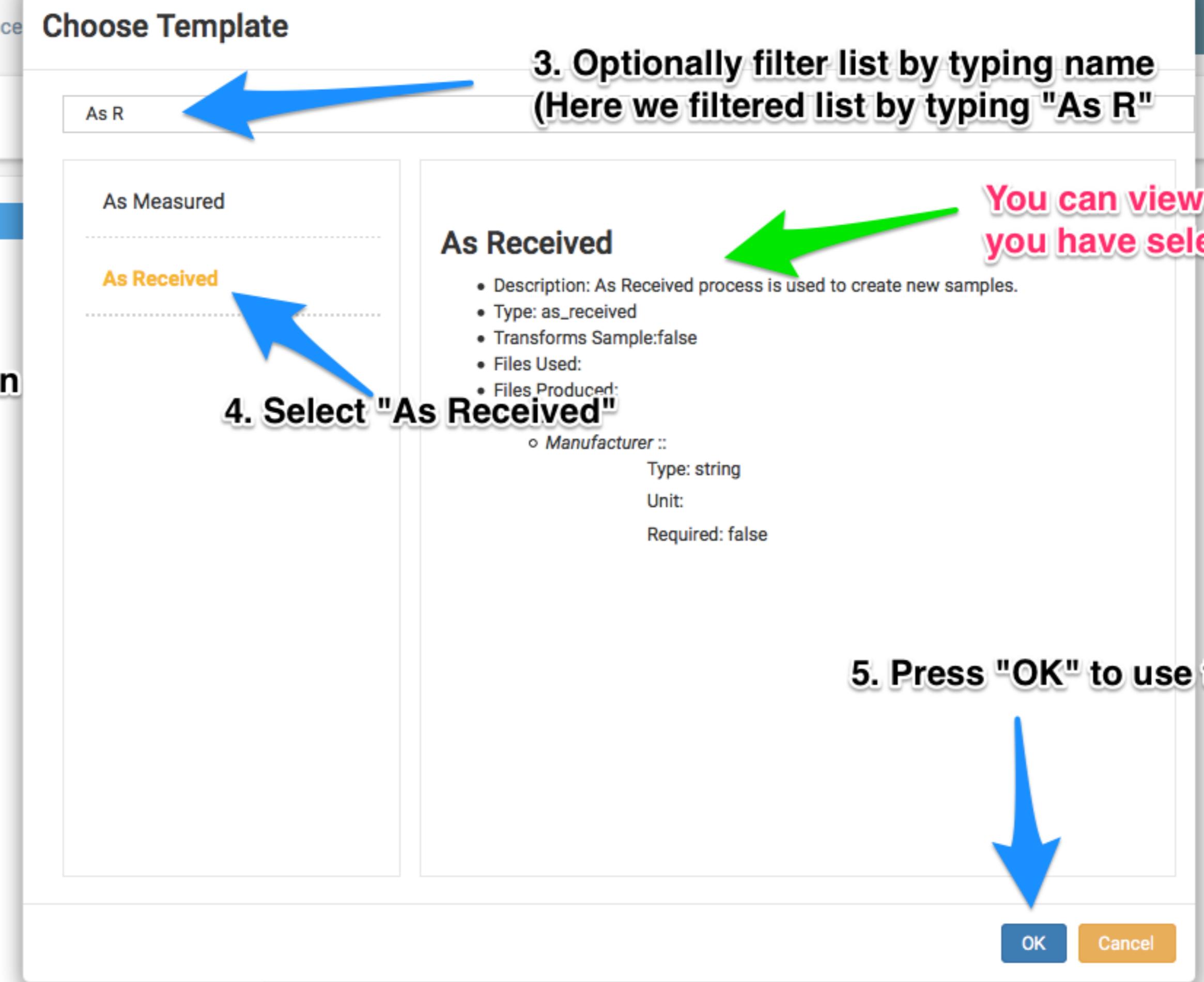
proj1 1 Home Process

1. Click Process tab

ALL

CREATE

2. Press Create button



MaterialsCommons

SEARCH PROJECT... Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

As Received - 08/27/2015 @ 12:28PM Back to processes list

How would you describe your process?
Why did you do this?

Set Up
New Sample
Samples
Files Used
Files Produced

Name your process
As Received - 08/27/2015 @ 12:28PM

How would you describe your process?
What

Why did you do?
Why

+ Setup

Create Sample

Name your sample
How would you describe your sample?
describe your sample

Files

What files are used by this process?
+ ADD

What files are produced by this process?
+ ADD

CANCEL SUBMIT

1. Optional change process name

2. Add descriptives

These are used as context reminders and also help in searches

3. Add any process setup details

4. Name your sample

5. Describe your sample

This area will display the information entered on the right

Also used for context and searches

**Bug in this release, these won't work.
(Fix is pending workshop)**

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

As Received - 08/27/2015 @ 12:28PM

[Back to processes list](#)**How would you describe your process?**

This is for details that describe the process. For example I found this sample lying under a table and decided to use it.

Why did you do this?

This is for details that describe why you did it. For example I created this sample so I could test cycles to failure on a dusty cropchopper toy plane.

Set Up

- Manufacturer :: Under the couch

New Sample

Name: sample1

Description: This describes details of the sample. For example this sample is a plastic and metal dusty cropchopper toy plane from the Planes: Fire and Rescue movie.

Samples**Files Used****Files Produced****Name your process**

As Received - 08/27/2015 @ 12:28PM

How would you describe your process?

This is for details that describe the process. For example I found this sample lying under a table and decided to use it.

Why did you do?

This is for details that describe why you did it. For example I created this sample so I could test cycles to failure on a dusty cropchopper toy plane.

+ Setup**Create Sample****Name your sample**

sample1

How would you describe your sample?

This describes details of the sample. For example this sample is a plastic and metal dusty cropchopper toy plane from the Planes: Fire and Rescue movie.

Files**What files are used by this process?**

[+ ADD]

What files are produced by this process?

[+ ADD]

Details we filled out in template**Template after filling out entries. Note left side shows us the details we have filled in.****1. Press Submit to finish**[CANCEL](#)[SUBMIT](#)

MaterialsCommons

SEARCH PROJECT...

Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

ALL

Processes View After Submit

CREATE

As Received - 08/27/2015 @ 12:28PM

DETAILS:
Description about process:
This is for details that describe the process. For example I found this sample lying under a table and decided to use it.
Reason you performed the process:
This is for details that describe why you did it. For example I created this sample so I could test cycles to failure on a dusty cropopper toy plane.
Owner: proj1@mc.org
Does Transform: false

SETUP: INSTRUMENT
• Manufacturer :: Under the couch

SAMPLES:
 sample1 
Thu Aug 27 2015, proj1@mc.org

FILES:
Files Used:
--None--
Files Produced:
--None--

EDIT 

List of all Processes 

Process Details 

Click to get quick popup view of an item 

Click Edit to change details of your process

MaterialsCommons

proj1 1 Home Processes Samples

SEARCH PROJECT...

sample1

ALL

CREATE

As Received - 08/27/2015 @ 12:28PM

EDIT

DETAILS

Name: sample1 * :: Denotes current process measurements

Owner: proj1@mc.org

Description:

This describes details of the sample. For example this sample is a plastic and metal dusty crop hopper toy plane from the Planes: Fire and Rescue movie.

PROPERTIES

ATTACHMENTS

OK Cancel

After clicking on sample we can get a quick view popup

MaterialsCommons

SEARCH PROJECT... Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

ALL SAMPLES

sample1

1. To see all your samples click "Samples" tab

DETAILS

Name: sample1
Owner: proj1@mc.org
Description:
This describes details of the sample. For example this sample is a plastic and metal dusty cropopper toy plane from the Planes: Fire and Rescue movie.

TRANSFORMATION

This section will provide sample1 initial measurements and how these measures have been transformed overtime.

As Received - 08/27/2015 @ 12:28PM

FILES

List of all samples in project

Selected sample details

1250

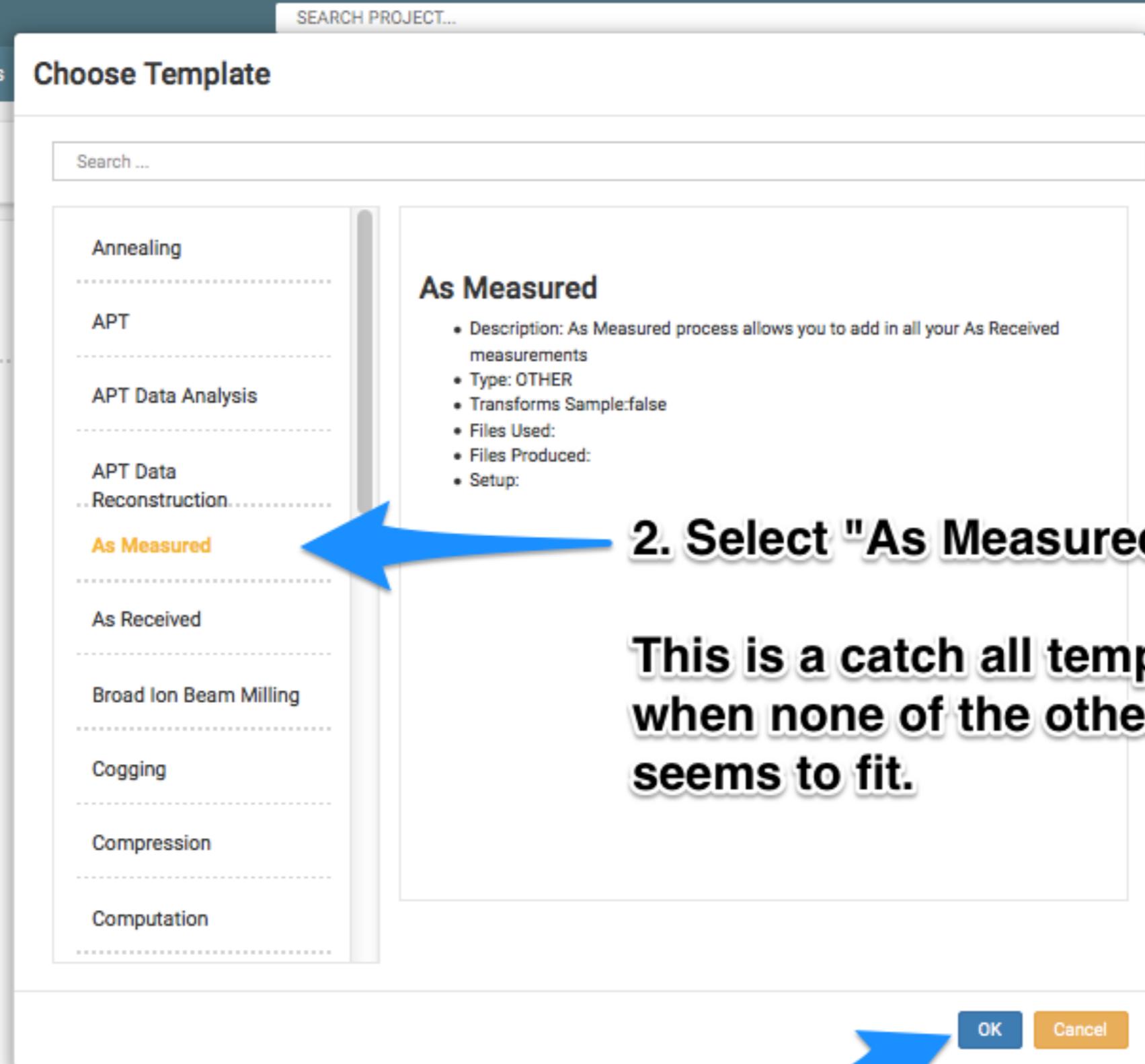
Adding measurements and transformations

- The next step is to start adding measurements to your sample
 - Here we are going to measure the existing sample
 - After that we will apply a transformation process
 - A transformation process changes our sample in some way
 - After the transformation we will look at the state of our measurements
 - We could then perform additional measurements after the transformation
-

CREATE

As Received - 08/15 @ 12:28PM

1. Click Create to choose a template



2. Select "As Measured".

This is a catch all template to use when none of the other processes seems to fit.

3. Press "OK" to use this template.

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)[ALL](#)

As Measured - 08/27/2015 @ 1:38PM

[Back to processes list](#)

How would you describe your process?

Why did you do this?

Set Up

Samples

Files Used

Files Produced

Name your process

As Measured - 08/27/2015 @ 1:38PM

How would you describe your process?

What

Why did you do?

Why

[+ Setup](#)

Samples

[+ ADD](#)

Files

What files are used by this process?

[+ ADD](#)

What files are produced by this process?

[+ ADD](#)[+ ADD](#)

proj1 1 Home Processes

How would you describe your process?

Why did you do this?

Set Up

Samples



sample1

Measurements:

Files:

Files Used

Files Produced

**Your selected samples
will show up here**

Attachments samples

Samples

SAMPLES

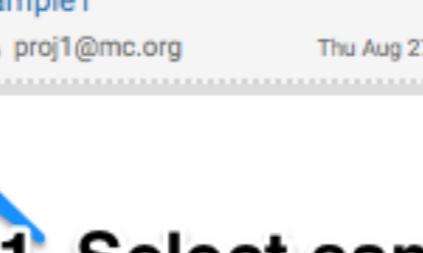
sample1

proj1@mc.org

Thu Aug 27 2015

You can view sample details by clicking on it

1. Select sample(s) by clicking the checkbox(es)



OK

Cancel



**2. Press "OK" when you are
done picking samples.**

Files

What files are used by this process?



What files are produced by this process?



CANCEL

SUBMIT

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

How would you describe your process?

Why did you do this?

Set Up

Samples



Measurements:

Files:

Files Used

Files Produced

How would you describe your process?

What

Why did you do?

Why

[+ Setup](#)

Samples

[+ Measurement](#)

x

Files

What files are used by this process?



What files are produced by this process?

[CANCEL](#)[SUBMIT](#)

1. Add files used or produced by this process by clicking on the appropriate "+ ADD" button.

MaterialsCommons

SEARCH PROJECT...

Help

proj1@mc.org

proj1 1 Home Processes

How would you describe your process?

Why did you do this?

Set Up

Samples sample1

Measurements:

Files:

Files Used
Files Produced

Attachments input_files

FILES

SEARCH FILES...

proj1

- Al+Mn-isosurface+ROI-composition-2-mN.BMP
- Al+Mn-isosurface+ROI-composition-2-zn.BMP
- Al+Mn-isosurface+ROI-composition-2.BMP
- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.RMP

You search for files by typing in a search string

Or you can click through the directory tree

Click on a file will show you a quick popup of it

1. Choose one or more files by selecting their checkboxes

OK Cancel

2. Press "OK" when done

CANCEL SUBMIT

1363

proj1 1 Home Processes

How would you describe your process?

Why did you do this?

Set Up

Samples

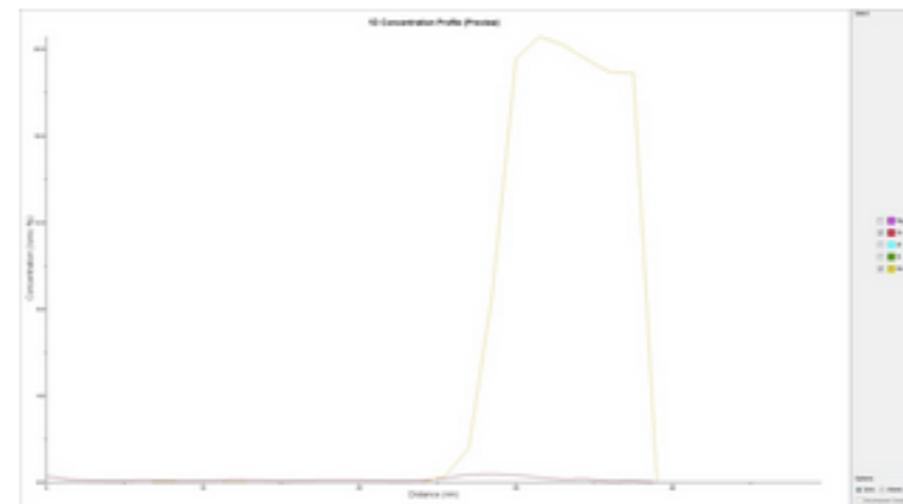
 sample1

Measurements:

Files:

Files Used

Files Produced

Al+Mn-isosurface+ROI-composition-2-mN.BMP

Owner: proj1@mc.org

Size: 5.91 MB

Created: Thu Aug 27 2015

Modified:

Media Type: image/bmp

Notes:

The file popup will display the image or contents if it is supported.

OK

Cancel

- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.BMP

OK

Cancel

Files

What files are used by this process?



What files are produced by this process?



CANCEL

SUBMIT

proj1 1

Home

Processes

Files

Samples

Reviews

Settings

How would you describe your process?

Why did you do this?

Set Up

Samples

 sample1

Measurements:

Files:

Files Used

 Al+Mn-isosurface.BMP R38_01584-v02-2.indexed.csv

Files Produced

How would you describe your process?

What

Why did you do?

Why

+ Setup

Samples

 + ADD

sample1

+ Measurement

x

Link input files to sample

Files

What files are used by this process?

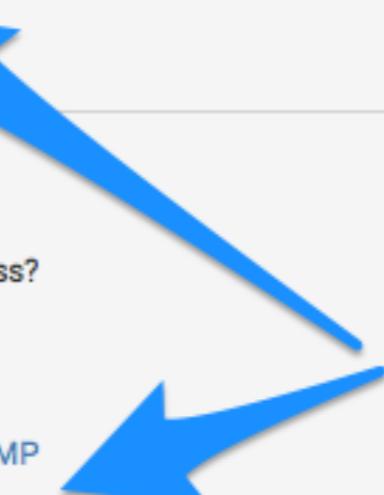
 + ADD

Al+Mn-isosurface.BMP



R38_01584-v02-2.indexed.csv

What files are produced by this process?

 + ADD

1. Now that we've selected files a new link has appeared underneath our sample. Click it to associate file(s) with the sample (and not just with the process).

proj1 1 Home Processes Files Samples

How would you describe your process?

Why did you do this?

Set Up

Samples



sample1

Measurements:

Files:

Files Used



Al+Mn-isosurface.BMP



R38_01584-v02-2.indexed.csv

Files Produced

Sample: sample1

Link all files Unlink all files

Link Al+Mn-isosurface.BMP

Link R38_01584-v02-2.indexed.csv

Ok

Cancel



You can choose which files are associated with a sample. The popup makes it easy to select all of them.

+ Setup

Samples



sample1

+ Measurement

x

Link input files to sample

Files

What files are used by this process?



Al+Mn-isosurface.BMP



R38_01584-v02-2.indexed.csv

x

x

What files are produced by this process?



proj1 1 Home Processes

How would you describe your process?

**List of measurements
that can be added**

Set Up

Samples



sample1

Measurements:

Files:

- Al+Mn-isosurface.BMP
- R38_01584-v02-2.indexed.csv

Files Used



Al+Mn-isosurface.BMP



R38_01584-v02-2.indexed.csv

Files Produced

Choose Measurement

Search ...

Composition

Area Fraction

Volume Fraction

Dislocation Density

Length

Width

Height

Density

Volume

Young's Modulus

Measurements have different types. We currently support two different chart/graph types. We will be adding more types as we go forward.

- 1. Select a measurement and add measurements for it. For demonstration purposes we will select length, width, particle size distribution and particle shape distribution.**

OK

Cancel

What files are produced by this process?



proj1 1 Home Processes

How would you describe your process?

Why did you do this?

Set Up

Samples

sample1

Measurements:
Length
1 cm
1.01 cm

Files:
• Al+Mn-isosurface.BMP
• R38_01584-v02-2.indexed.csv

Files Used

Al+Mn-isosurface.BMP
R38_01584-v02-2.indexed.csv

Files Produced

Choose Measurement

Search ...

Composition

Area Fraction

Volume Fraction

Dislocation Density

Length

Width

Height

Density

Volume

Young's Modulus

Length

1

cm

+

-

Length

1.01

cm

+

Save

Length is saved into the left sidebar!

+

When you are done press OK. You can keep selecting different measurement types until you are finished.

OK

Cancel

1. Fill in a measurement. To add another Length measurement press the + button.

2. You must press the Save button after entering in measurements to save them to the sample. You will see the measurements show up to the left after pressing Save.

proj1 1 Home Processes

How would you describe your process?

Why did you do this?

Set Up

Samples



sample1

Measurements:

Length

1 cm

1.01 cm

Width

1 cm

Particle Size Distribution

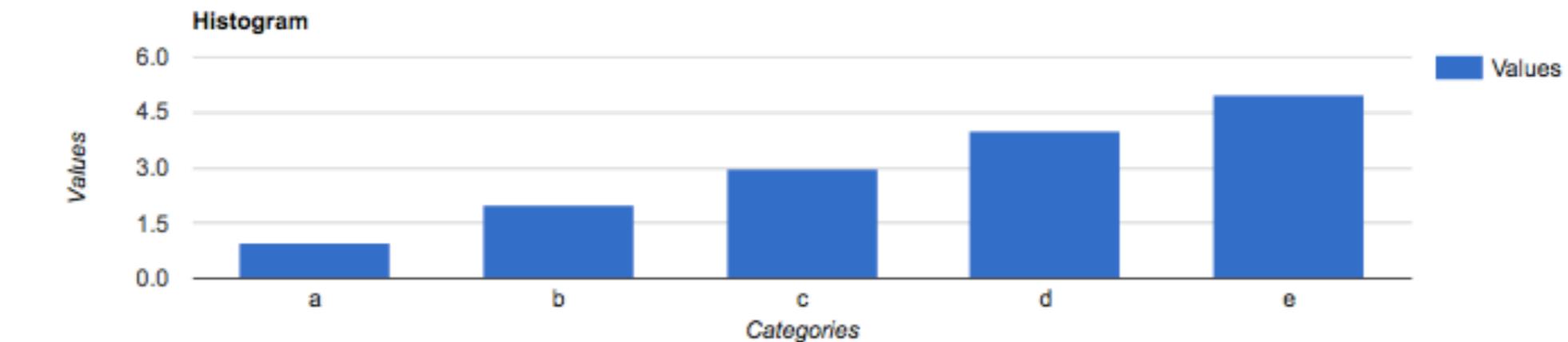


Files:

- Al+Mn-isosurface.BMP
- R38_01584-v02-2.indexed.csv

Particle Size Distribution

Categories	Values
a	1
b	2
c	3
d	4
e	5



1. Click on Chart icon to view Particle Size Distribution

Files Used



Al+Mn-isosurface.BMP



R38_01584-v02-2.indexed.csv

Files Produced

Files

What files are used by this process?



Al+Mn-isosurface.BMP



R38_01584-v02-2.indexed.csv



What files are produced by this process?



MaterialsCommons

SEARCH PROJECT...

Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

As Measured - 08/27/2015 @ 1:38PM Back to processes list

How would you describe your process?
What

Why did you do this?
Why

Set Up

Samples sample1

Measurements:
Length 1 cm
Width 1.01 cm

Particle Size Distribution
Particle Shape Distribution

Files:
Al+Mn-isosurface.BMP
R38_01584-v02-2.indexed.csv

Files Used Al+Mn-isosurface.BMP
R38_01584-v02-2.indexed.csv

Files Produced

Name your process As Measured - 08/27/2015 @ 1:38PM

How would you describe your process?
What

Why did you do this?
Why

Setup

Samples sample1 Measurement
Link input files to sample

Files Al+Mn-isosurface.BMP
R38_01584-v02-2.indexed.csv

What files are used by this process?
Al+Mn-isosurface.BMP
R38_01584-v02-2.indexed.csv

What files are produced by this process?

CANCEL SUBMIT

1. When you are done press submit

proj1 1

Home

Processes

Files

Samples

Reviews

Settings

ALL

CREATE

 As Measured - 08/27/2015 @ 1:38PM As Received - 08/27/2015 @ 12:28PM

Thu Aug 27 2015

EDIT

DETAILS:

Description about process:

-None-

Reason you performed the process:

-None-

Owner: proj1@mc.org

Does Transform: false

SETUP: INSTRUMENT

SAMPLES:



sample1

Thu Aug 27 2015 , proj1@mc.org

FILES:

Files Used:



R38_01584-v02-2.indexed.csv

Thu Aug 27 2015, proj1@mc.org, Size: 6.56 KB



AI+Mn-isosurface.BMP

Thu Aug 27 2015, proj1@mc.org, Size: 5.74 MB

Files Produced:

-None-

View of As Measured Process once we click the submit button.

ALL SAMPLES



sample1

DETAILS

Name: sample1

Owner: proj1@mc.org

Description:

This describes details of the sample. For example this sample is a plastic and metal dusty cropchopper toy plane from the Planes: Fire and Rescue movie.

TRANSFORMATION

This section will provide sample1 initial measurements and how these measures have been transformed overtime.

As Received - 08/27/2015 @ 12:28PM

Length :

Best Measure :: [edit](#)

Measurements ::

- 1 cm As Measured - 08/27/2015 @ 1:38PM
- 1.01 cm As Measured - 08/27/2015 @ 1:38PM

Particle Shape Distribution :

Best Measure :: [edit](#)

Measurements ::

- As Measured - 08/27/2015 @ 1:38PM

Particle Size Distribution :

Best Measure :: [edit](#)

Measurements ::

- As Measured - 08/27/2015 @ 1:38PM

Width :

Best Measure :: [edit](#)

Measurements ::

- 1 cm As Measured - 08/27/2015 @ 1:38PM

FILES

Al+Mn-Isosurface.BMP

Thu Aug 27 2015, 5.74 MB



As Measured - 08/27/2015 @ 1:38PM

R38_01584-v02-2.indexed.csv

Thu Aug 27 2015, 6.56 KB

As Measured - 08/27/2015 @ 1:38PM

View of sample once we have added measurements to it from the "As Measured" process.

Transform a Sample

- The next step is to transform a sample
- After transformation we will look at the sample to see the effect on it

MaterialsCommons

SEARCH PROJECT...

Help

proj1@mc.org

ALL

CREATE

As Measured - 08/27/2015 @ 1:38PM

As Received - 08/27/2015 @ 12:28PM

1. Choose cogging template

Choose Template

Search ...

Annealing

APT

APT Data Analysis

APT Data Reconstruction

As Measured

As Received

Broad Ion Beam Milling

Cogging

Compression

Computation

Description: Cogging
Type: OTHER
Transforms Sample:true
Files Used:
Files Produced:
Setup:

- Temperature ::
Type: number
Units:
C
F
K
Required: false
- Strain ::
Type: number
Units:
mm/mm
percentage
Required: false

OK Cancel

If "Transforms Sample" is true then the template will transform a sample.

ALL**Cogging - 08/27/2015 @ 3:47PM**[◀ Back to processes list](#)**How would you describe your process?****Why did you do this?****Set Up****Transformed Sample****Files Used****Files Produced****Name your process**

Cogging - 08/27/2015 @ 3:47PM

How would you describe your process?

What

Why did you do?

Why

[+ Setup](#)**Samples**

sample1

[+ Transformation](#)**Files****What files are used by this process?****What files are produced by this process?**

- 1. Click "+ Transformation" button to tell Materials Commons which Attributes are affected by the transformation.**

proj1 1 Home Processes

Transformation

ALL

Cogging - 08/27/2015 @ 3:47PM

How would you describe your process?

Why did you do this?

Set Up

Transformed Sample

Files Used

Files Produced

Properties

• Length :

End Attribute

Best Measure: Measurements:

- 1 cm As Measured - 08/27/2015 @ 1:38PM
- 0.01 cm As Measured - 08/27/2015 @ 1:38PM

• Particle Shape Distribution :

End Attribute

- Is Transformed
- Not Transformed
- End Attribute**

• Width :

End Attribute

Best Measure: Measurements:

- 1 cm As Measured - 08/27/2015 @ 1:38PM

Length will be deleted as a result of this transformation

1. For each Attribute tell Materials Commons what to do with it.**Choices:****a. End Attribute - Delete this attribute going forward.****b. Is Transformed - Measurements are unknown****c. Not Transformed - Keep measurements**

Width will be deleted as a result of this transformation

Current Default is "End Attribute". We are thinking of changing it.

OK

Cancel

proj1 1

Home

Processes

Files

Samples

Reviews

Settings

Why did you do this?

Set Up

Transformed Sample

sample1

Not Transformed:

- Length

Is Transformed:

- Width

End Attribute (Deleted):

- Particle Shape Distribution
- Particle Size Distribution

Files Used

Files Produced

How would you describe your process?

What

Why did you do?

Why

Before clicking submit we can see what will happen to each attribute.**Samples**

sample1

+ Transformation

**Files**

What files are used by this process?



What files are produced by this process?



CANCEL

SUBMIT

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#) [Settings](#)

Name: sample1

Owner: proj1@mc.org

Description:

This describes details of the sample. For example this sample is a plastic and metal dusty cropopper toy plane from the Planes: Fire and Rescue movie.

TRANSFORMATION

This section will provide sample1 initial measure

measures have been performed overtime.

[Cogging - 08/27/2015 @ 3:47PM](#)[As Received - 08/27/2015 @ 12:28PM](#)**1. Click Samples tab**

We are now going to look at the sample after the transformation has been applied

Length :

[Best Measure :: edit](#)[Measurements ::](#)

- 1 cm [As Measured - 08/27/2015 @ 1:38PM](#)
- 1.01 cm [As Measured - 08/27/2015 @ 1:38PM](#)

Particle Shape Distribution :

[Best Measure :: edit](#)[Measurements ::](#)

- [As Measured - 08/27/2015 @ 1:38PM](#)

Particle Size Distribution :

[Best Measure :: edit](#)[Measurements ::](#)

- [As Measured - 08/27/2015 @ 1:38PM](#)

Width :

[Best Measure :: edit](#)[Measurements ::](#)

- 1 cm [As Measured - 08/27/2015 @ 1:38PM](#)

FILES



Al+Mn-isosurface.BMP

Thu Aug 27 2015, 5.74 MB

**There are two entries here:****"As Received" entry covers all measurements up to but not including the transformation.****"Cogging" entry covers all measurements up to but not including the next transformation.****"As Received" selected so here are the attributes**



proj1

Home

Processes

Files

Samples

Reviews Settings

Name: sample1

Owner: proj1@mc.org

Description:

This describes details of the sample. For example this sample is a plastic and metal dusty crophopper toy plane from the Planes: Fire and Rescue movie.

TRANSFORMATION

This section will provide sample1 initial measurements and how these measures have been transformed overtime.

1. Click Cogging link  [Cogging - 08/27/2015 @ 3:47PM](#) [As Received - 08/27/2015 @ 12:28PM](#)

• Length :

[Best Measure :: edit](#)[Measurements ::](#)

- 1 cm [As Measured - 08/27/2015 @ 1:38PM](#)
- 1.01 cm [As Measured - 08/27/2015 @ 1:38PM](#)

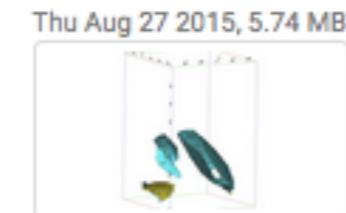
• Width :

[Best Measure :: edit](#)[Measurements :: --None--](#)

FILES



AI+Mn-isosurface.BMP

[As Measured - 08/27/2015 @ 1:38PM](#)

R38_01584-v02-2.indexed.csv

Thu Aug 27 2015, 6.56 KB

[As Measured - 08/27/2015 @ 1:38PM](#)**Attributes as they appear after transformation. Notice that:****Width has gone to unknown
Length kept its measurements****The two Particle distribution attributes are gone**

[Using Search to find Samples and Files](#)

- Now we are going to look at how to use search
- Search allows you to search across multiple objects in the system
- Because it is real time you can apply notes and tags to files and then search on them
- Search is smart: It will reindex related items
 - If you add a note to a file used in a sample then searching on that note will also find the sample

MaterialsCommons

SEARCH PROJECT... Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

1. Click on Home tab

2. Type in your search here

Your project should look similar to this

REVIWS
No Reviews.

FILES
proj1
AI+Mn-isosurface+ROI-composition-2-mN.BMP
AI+Mn-isosurface+ROI-composition-2-zn.BMP
AI+Mn-isosurface+ROI-composition-2.BMP
AI+Mn-isosurface+ROI-composition-ZN-Mn.BMP
AI+Mn-isosurface+ROI-composition-ZN.BMP
AI+Mn-isosurface+ROI-composition.BMP

NOTES
No Notes.

August 2015

Notice that the calendar has been updated with your new entries

1 samples
3 processes

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

MaterialsCommons

Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

*.BMP

Showing top 8 matches of 8 found.

1. [AI+Mn-isosurface+ROI-composition-2-mN.BMP](#) image/bmp
Path: proj1

2. [AI+Mn-isosurface+ROI-composition.BMP](#) image/bmp
Path: proj1

3. [AI+Mn-isosurface+ROI.BMP](#) image/bmp
Path: proj1

4. [sample1](#)

5. [AI+Mn-isosurface+ROI-composition-2-zn.BMP](#) image/bmp
Path: proj1

6. [AI+Mn-isosurface+ROI-composition-ZN.BMP](#) image/bmp
Path: proj1

7. [AI+Mn-isosurface.BMP](#) image/bmp
Path: proj1

You will be shown up to first 100 best matches

1. Type in: *.BMP and hit return

You can click the link to go to item

Clicking on the image will bring up a quick view popup

Notice how the search also found a sample because the sample had one of the matching files

1361 x 748px

MaterialsCommons

proj1 1 Home Processes Files Samples

*.BMP

AI+Mn-isosurface+ROI.BMP

Showing top 8 matches of 8

1. AI+Mn-isosurface+ROI-composition-2-zn.BMP Path: proj1

2. AI+Mn-isosurface+ROI-composition-ZN.BMP Path: proj1

3. AI+Mn-isosurface+ROI.BMP image/bmp Path: proj1

4. sample1

5. AI+Mn-isosurface+ROI-composition-2-zn.BMP image/bmp Path: proj1

6. AI+Mn-isosurface+ROI-composition-ZN.BMP image/bmp Path: proj1

7. AI+Mn-isosurface.BMP image/bmp Path: proj1

Owner: proj1@mc.org
Size: 5.74 MB
Created: Thu Aug 27 2015
Modified:
Media Type: image/bmp
Notes:

OK Cancel

The quick view popup from clicking the image

1. Click image for search number (3) to see the quick view popup

[Adding notes and searching on them](#)

- Now we are going to add notes 2 different files
 - One file will be a part of the sample
 - The other file won't
 - We will see the effect of searching on that note
 - For demonstration purposes we will add the unique word "clam" to one note and "fish" to the other
-

proj1 1 Home Processes

Files

Samples

Reviews

Settings

ALL FILES

proj1

- Al+Mn-isosurface+ROI-composition-2-mN.BMP
- Al+Mn-isosurface+ROI-composition-2-zn.BMP
- Al+Mn-isosurface+ROI-composition-2.BMP
- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.BMP
- Al+Mn-isosurface+ROI-composition.BMP
- Al+Mn-isosurface+ROI.BMP
- Al+Mn-isosurface.BMP

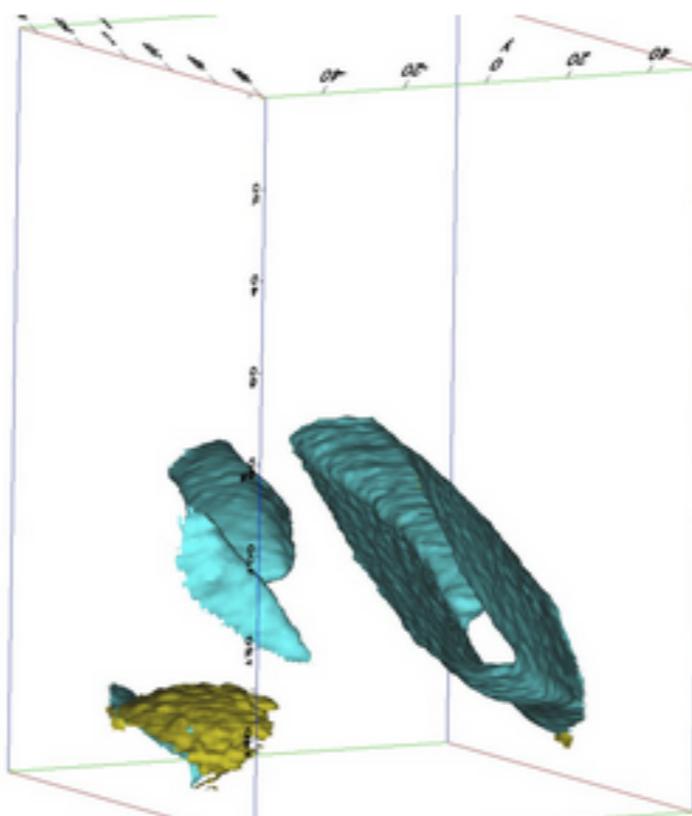


1. Click Files tab

AL+MN-ISOSURFACE.BMP

DETAILS

Type: image/bmp Owner: proj1@mc.org Created: Thu Aug 27 2015



TAGS

[Add a Tag](#)

NOTE

Title:

2. Click file "Al+Mn+isosurface.BMP"

3. To edit note click on the small icon at the far right.



MaterialsCommons

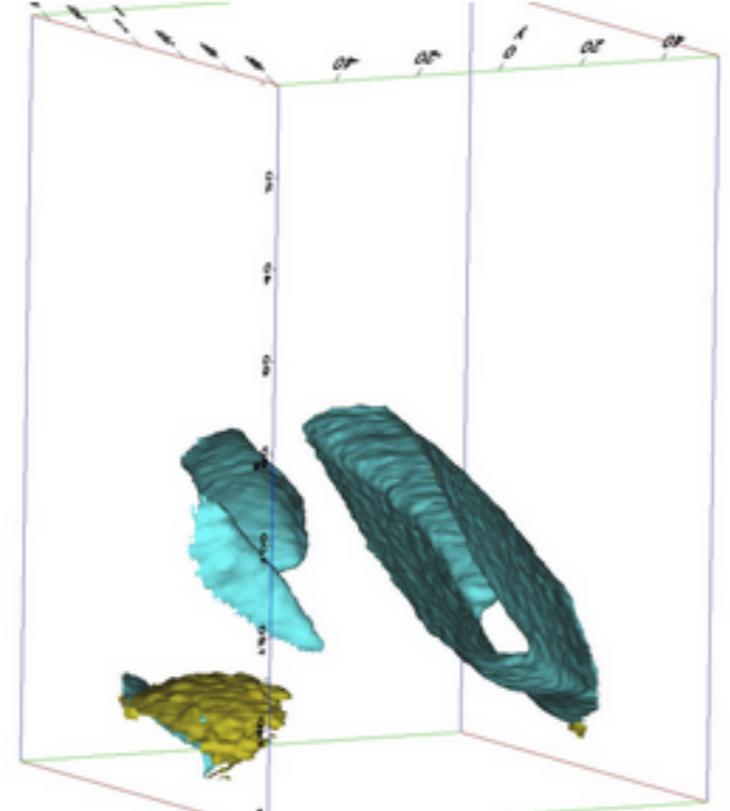
SEARCH PROJECT...

Help proj1@mc.org

proj1 Home Processes Files Samples Reviews Settings

AI+Mn-isosurface+ROI-composition-2-mN.BMP
AI+Mn-isosurface+ROI-composition-2-zn.BMP
AI+Mn-isosurface+ROI-composition-2.BMP
AI+Mn-isosurface+ROI-composition-ZN-Mn.BMP
AI+Mn-isosurface+ROI-composition-ZN.BMP
AI+Mn-isosurface+ROI-composition.BMP
AI+Mn-isosurface+ROI.BMP
AI+Mn-isosurface.BMP
R38_01584-v01.rmg
R38_01584-v02-2.indexed.csv
R38_01584-v02.indexed.csv

DETAILS
Type: image/bmp Owner: proj1@mc.org Created: Thu Aug 27 2015



TAGS

Add a Tag

NOTE

Title: clam

Note: clams live in salt and fresh water

H2 H5 H6 “ B I U

Save Cancel

1. Click Note edit icon

2. Add title and content

3. Press Save when done

MaterialsCommons

Help proj1@mc.org

clam

proj1 1 Home Processes Files Samples Reviews Settings

Showing top 2 matches of 2 found.

1. sample1

2. Ai+Mn-isosurface.BMP image/bmp
Path: proj1

1. After saving note search for: clam

The sample containing the file with the note was found

The file with the note was found

This screenshot shows the MaterialsCommons web application interface. At the top, there's a navigation bar with links for Home, Processes, Files, Samples, Reviews, and Settings. On the far right, it shows the user 'proj1' and their email 'proj1@mc.org'. Below the navigation bar, a search bar contains the text 'clam'. A blue arrow points from this search bar to the first search result, which is a sample named 'sample1'. Another blue arrow points from the text '1. After saving note search for: clam' to the same result. Below 'sample1', there's another result: '2. Ai+Mn-isosurface.BMP image/bmp' with the path 'Path: proj1'. A green arrow points from the text 'The sample containing the file with the note was found' to this second result. Another green arrow points from the text 'The file with the note was found' to the same result. The page indicates that 'Showing top 2 matches of 2 found.'

MaterialsCommons

SEARCH PROJECT... Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

proj1

- AL+Mn-isosurface+ROI-composition-2-mN.BMP
- AL+Mn-isosurface+ROI-composition-2-zn.BMP
- AL+Mn-isosurface+ROI-composition-2.BMP
- AL+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- AL+Mn-isosurface+ROI-composition-ZN.BMP
- AL+Mn-isosurface+ROI-composition.BMP
- AL+Mn-isosurface+ROI.BMP
- AL+Mn-isosurface.BMP
- R38_01584-v01.rmg
- R38_01584-v02-2.indexed.csv
- R38_01584-v02.indexed.csv

1. Click Files Tab

2. Select the first file in the list

3. Click the note edit icon

4. Fill in title and content

5. Click save when done

AL+MN-ISOSURFACE+ROI-COMPOSITION-2-MN.BMP

DETAILS

Created: Thu Aug 27 2015

1D Concentration Profile (Preview)

Concentration (atomic %)

Distance (mm)

TAGS

Add a Tag

NOTE

Title: fish

Note: H2 H5 H6 B I U fish make good pets

Save Cancel

RENAME

The screenshot shows a software interface for managing scientific data. On the left, a sidebar lists files under 'proj1'. A blue arrow points from the text '1. Click Files Tab' to the 'Files' tab in the top navigation bar. Another blue arrow points from '2. Select the first file in the list' to the first file in the list. A third blue arrow points from '3. Click the note edit icon' to the edit icon in the note section. A fourth blue arrow points from '4. Fill in title and content' to the note input area. A fifth blue arrow points from '5. Click save when done' to the 'Save' button at the bottom of the note editor. The central area displays a preview of the selected file, which is a 1D concentration profile graph. The note section shows a title 'fish' and content 'fish make good pets' with various rich text options like bold, italic, and underline.

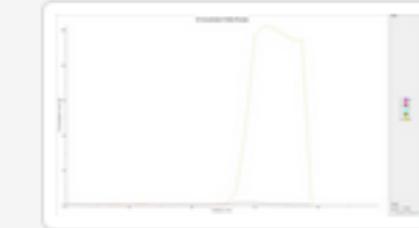
proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

Showing top 1 matches of 1 found.

1. Search for fish1.  Al+Mn-isosurface+ROI-composition-2-mN.BMP image/bmp

Path: proj1



Only matched on the one file containing the note fish. This file is not a part of a sample



Notes

- Notes are quite powerful
 - You can add images and links to them
- In the future we will support equations, tables, etc...
 - Once we switch to 'ckeditor'
- Lets add an image
- Because I like superhero movies we will add an image of Superman to a note

MaterialsCommons

SEARCH PROJECT...

Help proj1@mc.org

proj1 Home Processes Files Samples Reviews Settings

proj1

- AI+Mn-isosurface+ROI-composition-2-mN.BMP
- AI+Mn-isosurface+ROI-composition-2-zn.BMP
- AI+Mn-isosurface+ROI-composition-2.BMP
- AI+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- AI+Mn-isosurface+ROI-composition-ZN.BMP
- AI+Mn-isosurface+ROI-composition.BMP
- AI+Mn-isosurface+ROI.BMP
- AI+Mn-isosurface.BMP
- R38_01584-v01.rmg
- R38_01584-v02-2.indexed.csv
- R38_01584-v02.indexed.csv

1. Click Files tab

2. Click first file

3. Click edit note icon

4. Click add image icon and paste in the url for an image

5. Click save

AL+MIN-ISOSURFACE+ROI-COMPOSITION-2-MN.BMP

ID Concentration Profile (Preview)

Concentration (mole %)

TAGS

Add a Tag

NOTE

Title: fish

Note: fish make good pets. Fish are super powerful. They make me think of:

H2 H5 H6 “ ” B I U



Save Cancel

MaterialsCommons

SEARCH PROJECT...

Help

proj1 1 Home Processes Files Samples Reviews Settings

AI+Mn-isosurface+ROI-composition.BMP
AI+Mn-isosurface+ROI.BMP
AI+Mn-isosurface.BMP
R38_01584-v01.rmg
R38_01584-v02-2.indexed.csv
R38_01584-v02.indexed.csv

Yay we now have a note that contains an image in it. For extra fun add other images to create the "Justice League".

TAGS

Add a Tag

NOTE

Title: fish

fish make good pets. Fish are super powerful. They make me think of:



1363 x 74

[File Upload](#)

- Now we will look at uploading files to Materials Commons
- You will, unfortunately, have to refresh your page to see changes
 - This is a known issue and will be addressed
- We will upload two files to Materials Commons. Please choose two files from your system.
- We will also create a new directory to load the files into.

MaterialsCommons

SEARCH PROJECT...

Help | proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

ALL FILES

1. Click Files Tab

2. If needed click top level directory

proj1

PROJ1

DETAILS

Type: directory Owner: proj1@mc.org Created: Thu Aug 27 2015

Path: proj1

CREATE FOLDER

AI+Mn-isosurface+ROI-composition-2-mN.BMP

AI+Mn-isosurface+ROI-composition-2-zn.BMP

AI+Mn-isosurface+ROI-composition-2.BMP

AI+Mn-isosurface+ROI-composition-ZN-Mn.BMP

AI+Mn-isosurface+ROI-composition-ZN.BMP

AI+Mn-isosurface+ROI-composition.BMP

AI+Mn-isosurface+ROI.BMP

AI+Mn-isosurface.BMP

R38_01584-v01.rmg

R38_01584-v02-2.indexed.csv

R38_01584-v02.indexed.csv

MaterialsCommons

SEARCH PROJECT... Help proj1@mc.org

proj1 1 Home Processes Files Samples Create Folder

ALL F² Enter your folder name

proj1

- Al+Mn-isosurface+ROI-composition-2-mN.BMP
- Al+Mn-isosurface+ROI-composition-2-zn.BMP
- Al+Mn-isosurface+ROI-composition-2.BMP
- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.BMP
- Al+Mn-isosurface+ROI-composition.BMP
- Al+Mn-isosurface+ROI.BMP
- Al+Mn-isosurface.BMP
- R38_01584-v01.rnng
- R38_01584-v02-2.indexed.csv
- R38_01584-v02.indexed.csv

CREATE FOLDER

1. Click "CREATE FOLDER" a "Create Folder" popup will appear

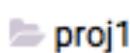
2. Enter your folder name

3. Click "Create Folder" button

4. Refresh your browser to make the folder appear

The screenshot shows the MaterialsCommons web application interface. At the top, there's a navigation bar with 'MaterialsCommons', a search bar, 'Help', and a user account dropdown. Below the navigation bar, there are tabs for 'Home', 'Processes', 'Files', 'Samples', and a 'Create Folder' button. A large blue arrow points from the text 'Enter your folder name' to the input field in the 'Create Folder' dialog. Another blue arrow points from the text 'Click "Create Folder" button' to the 'Create Folder' button in the dialog. A third blue arrow points from the text 'Refresh your browser to make the folder appear' to the 'CREATE FOLDER' button on the main page. The 'Create Folder' dialog also has a 'Cancel' button. On the left, there's a sidebar with a 'proj1' folder containing various files and folders. In the center, there's a 'PROJ1' section with 'DETAILS' showing it's a directory owned by 'proj1@mc.org' created on 'Thu Aug 27 2015'. The 'CREATE FOLDER' button is located at the bottom right of the main content area.

ALL FILES



proj1

- [Al+Mn-isosurface+ROI-composition-2-mN.BMP](#)
- [Al+Mn-isosurface+ROI-composition-2-zn.BMP](#)
- [Al+Mn-isosurface+ROI-composition-2.BMP](#)
- [Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP](#)
- [Al+Mn-isosurface+ROI-composition-ZN.BMP](#)
- [Al+Mn-isosurface+ROI-composition.BMP](#)
- [Al+Mn-isosurface+ROI.BMP](#)
- [Al+Mn-isosurface.BMP](#)
- [New items](#) 
- [R38_01584-v01.rmg](#)
- [R38_01584-v02-2.indexed.csv](#)
- [R38_01584-v02.indexed.csv](#)

PROJ1

DETAILS

Type: directory Owner: proj1@mc.org Created: Thu Aug 27 2015

Path: proj1

CREATE FOLDER

**1. Folder you created it.
Click it to upload into
this directory**

proj1 1 Home Processes

Files Samples Reviews Settings

ALL FILES



proj1

- Al+Mn-isosurface+ROI-composition-2-mN.BMP
- Al+Mn-isosurface+ROI-composition-2-zn.BMP
- Al+Mn-isosurface+ROI-composition-2.BMP
- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.BMP
- Al+Mn-isosurface+ROI-composition.BMP
- Al+Mn-isosurface+ROI.BMP
- Al+Mn-isosurface.BMP

New Items

- R38_01584-v01.rmg
- R38_01584-v02-2.indexed.csv
- R38_01584-v02.indexed.csv

NEW ITEMS

DETAILS

Type: directory Owner: proj1@mc.org Created: Fri Aug 28 2015
Path: proj1/New Items

CREATE FOLDER

After selecting your folder you should see it here

proj1 1 Home Processes

Files Samples Reviews Settings

1. Click file upload icon

ALL FILES

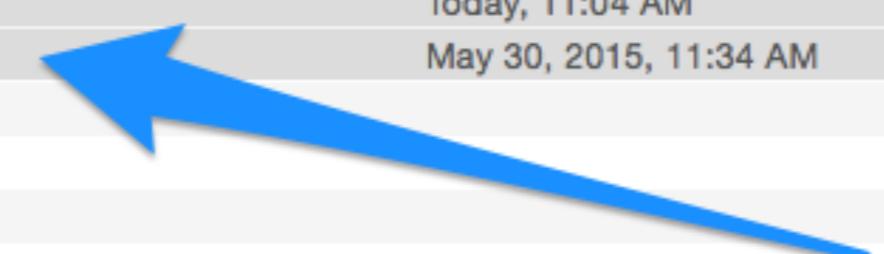
NEW ITEMS 

CREATE FOLDER

proj1

-  Al+Mn-isosurface+ROI-composition-2...
-  Al+Mn-isosurface+ROI-composition-2...
-  Al+Mn-isosurface+ROI-composition-2...
-  Al+Mn-isosurface+ROI-composition-ZN...
-  Al+Mn-isosurface+ROI-composition-ZN...
-  Al+Mn-isosurface+ROI-composition.BM...
-  Al+Mn-isosurface+ROI.BMP
-  Al+Mn-isosurface.BMP
-  New Items
 -  R38_01584-v01.rmg
 -  R38_01584-v02-2.indexed.csv
 -  R38_01584-v02.indexed.csv

Name	Date Modified	Size	Kind
 batman.jpeg	Today, 11:04 AM	34 KB	JPEG image
 gammra.jpg	May 30, 2015, 11:34 AM	4.4 MB	JPEG image

2. Select files to upload**3. Click when
you are done
selecting files** Cancel Open

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

ALL FILES

1. Press "Upload All" to begin your upload[Upload All](#)[Cancel All](#)

Files to upload:

[proj1/New Items](#)[batman.jpeg 33.7 KB](#)[gammra.jpg 4.38 MB](#)[proj1](#)[AI+Mn-isosurface+ROI-composition-2-mN.BMP](#)[AI+Mn-isosurface+ROI-composition-2-zn.BMP](#)[AI+Mn-isosurface+ROI-composition-2.BMP](#)[AI+Mn-isosurface+ROI-composition-ZN-Mn.BMP](#)[AI+Mn-isosurface+ROI-composition-ZN.BMP](#)[AI+Mn-isosurface+ROI-composition.BMP](#)[AI+Mn-isosurface+ROI.BMP](#)[AI+Mn-isosurface.BMP](#)[New Items](#)[R38_01584-v01.rnng](#)[R38_01584-v02-2.indexed.csv](#)[R38_01584-v02.indexed.csv](#)**Directory you are uploading files into**[CREATE FOLDER](#)

Type: directory Owner: proj1@mc.org Created: Fri Aug 28 2015

Path: proj1/New Items

Files you are uploading

proj1 1 Home Processes

Files

Samples

Reviews

Settings

ALL FILES

Upload All **Cancel All**

Files to upload:

proj1/New Items

batman.jpeg 33.7 KB

Uploaded

gammra.jpg 4.38 MB

Uploaded

proj1

Al+Mn-isosurface+ROI-composition-2-mN.BMP

Al+Mn-isosurface+ROI-composition-2-zn.BMP

Al+Mn-isosurface+ROI-composition-2.BMP

Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP

Al+Mn-isosurface+ROI-composition-ZN.BMP

Al+Mn-isosurface+ROI-composition.BMP

Al+Mn-isosurface+ROI.BMP

Al+Mn-isosurface.BMP

New Items

R38_01584-v01.rnng

R38_01584-v02-2.indexed.csv

R38_01584-v02.indexed.csv

1. Press "Cancel All" to close the uploads side bar

NEW ITEMS

DETAILS

Type: directory Owner: proj1@mc.org Created: Fri Aug 28 2015

Path: proj1/New Items

Each files upload status is displayed.**While uploading you will see a progress bar. The system uploads multiple file blocks simultaneously. You can upload any size file (though large files may take a long time).****2. Refresh the page to see your uploaded files**

proj1 1

Home

Processes

Files

Samples

Reviews

Settings

ALL FILES

proj1

- Al+Mn-isosurface+ROI-composition-2-mN.BMP
- Al+Mn-isosurface+ROI-composition-2-zn.BMP
- Al+Mn-isosurface+ROI-composition-2.BMP
- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.BMP
- Al+Mn-isosurface+ROI-composition.BMP
- Al+Mn-isosurface+ROI.BMP
- Al+Mn-isosurface.BMP

New Items

- batman.jpeg
- gamma.jpg
- R38_01584-v01.rn
- R38_01584-v02-2.indexed.csv
- R38_01584-v02.indexed.csv

GAMMRA.JPG

DETAILS

Type: image/jpeg Owner: proj1@mc.org Created: Fri Aug 28 2015



RENAME

Uploaded files appear in directory**1. Click on file to view it****Files are indexed and converted at the time they are uploaded.**

Reviews

- Reviews allow you to bring multiple items in a project together and start a conversation around them.
- By grouping items together others can easily view them.
- Reviews allow you to add comments to the review.
- We are looking at other features we can add to Reviews

proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)[MY REVIEWS](#)[DUE](#)[ALL](#)[ARCHIVED](#)**CREATE**

2. Click "CREATE" button to start a new review

Fri Aug 28 2015 12:22:41 GMT-0400 (EDT)

ASSIGN TO

ATTACHMENT

3. Pick people to assign it to (they must be a part of the project).

Your only choice will be yourself

4. Click "+ ADD" to attach samples, files and processes to the review.

Review form opens here after pressing "CREATE"

MESSAGE

proj1 1

Home

Process

MY REVIEWS

DUE

ALL

CREATE

Attachments

Files

Samples

Processes

FILES

SEARCH FILES...

proj1

- Al+Mn-isosurface+ROI-composition-2-mN.BMP
- Al+Mn-isosurface+ROI-composition-2-zn.BMP
- Al+Mn-isosurface+ROI-composition-2.BMP
- Al+Mn-isosurface+ROI-composition-ZN-Mn.BMP
- Al+Mn-isosurface+ROI-composition-ZN.BMP

1. Click "Files" tab (if not already selected) to select files**2. Select files by clicking their checkbox**

OK

Cancel

2-zn.BMP



sample1

x

Cogging - 08/27/2015 @ 3:47PM



x

MESSAGE

SUBJECT

proj1 1 Home Process

MY REVIEWS DUE ALL

CREATE

Attachments

Files Samples Processes

SAMPLES

sample1

proj1@mc.org

Thu Aug 27 2015

2. Select samples by clicking their checkbox.**1. Click "Samples" tab**

OK

Cancel

2-zn.BMP



sample1

x



Cogging - 08/27/2015 @ 3:47PM

x

MESSAGE

SUBJECT

proj1 1 Home Proce

MY REVIEWS DUE ALL

CREATE

2. Choose processes by clicking their checkbox

Attachments

Files Samples Processes



1. Select "Processes" tab

PROCESS		
<input checked="" type="checkbox"/>	Cogging - 08/27/2015 @ 3:47PM	proj1@mc.org
<input type="checkbox"/>	As Measured - 08/27/2015 @ 1:38PM	proj1@mc.org
<input type="checkbox"/>	As Received - 08/27/2015 @ 12:28PM	proj1@mc.org

OK Cancel

3. Click "OK" when you are done making selections.

2-zn.BMP



sample1

Cogging - 08/27/2015 @ 3:47PM



MESSAGE

SUBJECT

MaterialsCommons

SEARCH PROJECT...

Help

proj1 1 Home Processes Files Samples Reviews Settings

MY REVIEWS DUE ALL ARCHIVED

CREATE

People assigned the review appear here.

All your attachments appear here

Fri Aug 28 2015 12:22:41 GMT-0400 (EDT)

ASSIGN TO

proj1@mc.org

Only one person assigned to this review

ATTACHMENT

+ ADD

- AI+Mn-isosurface+ROI-composition-2-mN.BMP
- AI+Mn-isosurface+ROI-composition-2-zn.BMP
- sample1
- Cogging - 08/27/2015 @ 3:47PM

MESSAGE

SUBJECT

H2 H5 H6 **B** **I** **U**

CANCEL SEND

1364 x 74

MaterialsCommons

SEARCH PROJECT...

Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

MY REVIEWS DUE ALL ARCHIVED

CREATE

Fri Aug 28 2015 12:22:41 GMT-0400 (EDT)

ASSIGN TO

proj1@mc.org

ATTACHMENT

+ ADD

AI+Mn-isosurface+ROI-composition-2-mN.BMP
AI+Mn-isosurface+ROI-composition-2-zn.BMP
sample1
Cogging - 08/27/2015 @ 3:47PM

MESSAGE

Are fish really super powerful?

H2 H5 H6 **B** *I* U

CANCEL SEND

1. Enter Review title

2. Enter review note

3. Send the review

CREATE

Are fish really super powerful?

1

**The review that was sent
with the full message**



Fri Aug 28 2015

REQUESTED BY  proj1@mc.org

ASSIGNED TO  proj1@mc.org

ATTACHMENTS

-   AI+Mn-isosurface+ROI-composition-2-mN.BMP
proj1/AI+Mn-isosurface+ROI-composition-2-mN.BMP
-   AI+Mn-isosurface+ROI-composition-2-zn.BMP
proj1/AI+Mn-isosurface+ROI-composition-2-zn.BMP
-   sample1
-   Cogging - 08/27/2015 @ 3:47PM

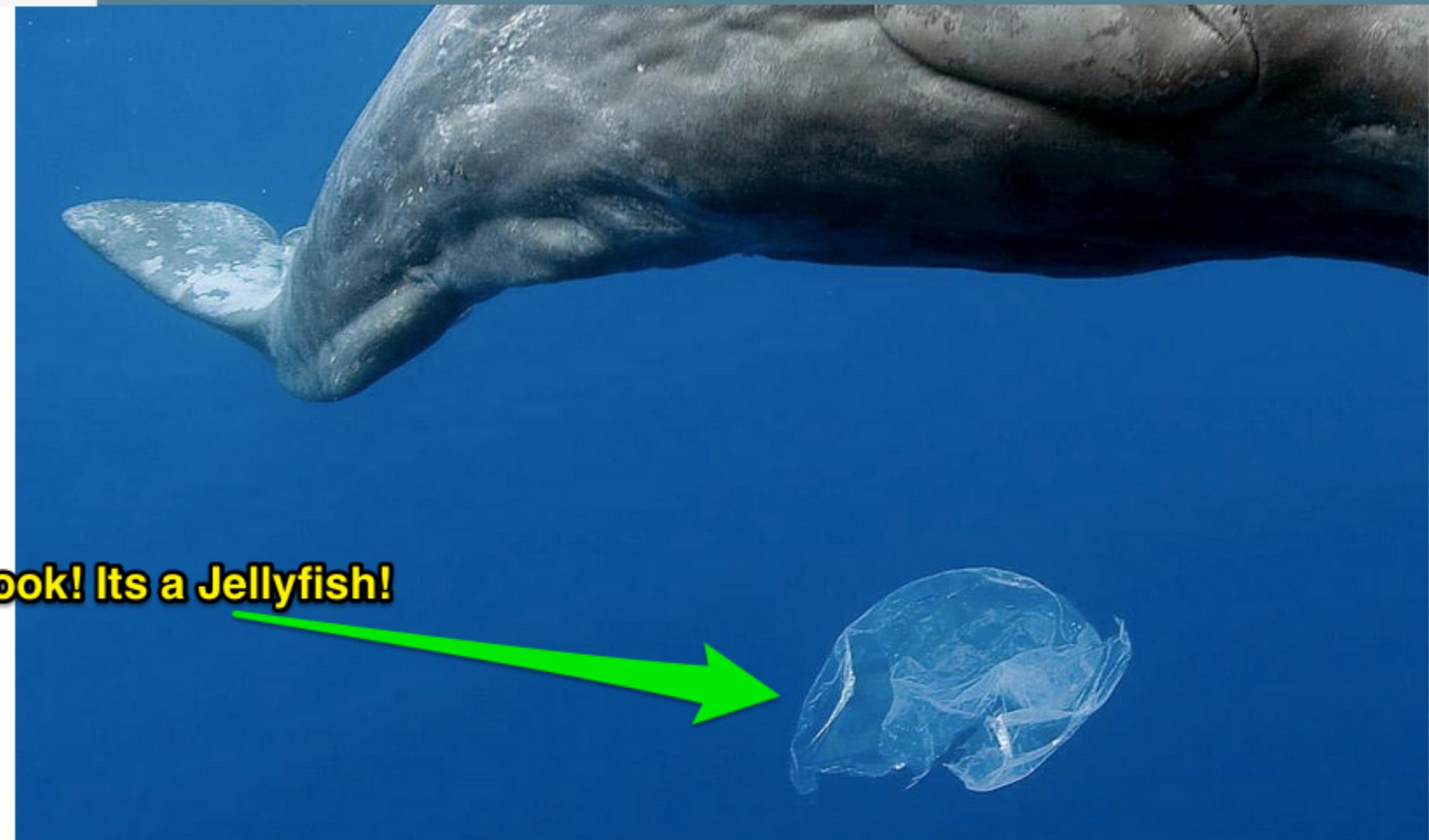
COMMENTS

 proj1@mc.org

I've looked at fish and I really think that whales might be more powerful. Fish look wimpy by comparison.



proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

Hey look! Its a Jellyfish!

Fri Aug 28 2015

No way jelly fish rule!

COMMENT

[CLOSE AND ARCHIVE](#)

1. Type in comment for review



Click "COMMENT" button to add it.



proj1 1

[Home](#)[Processes](#)[Files](#)[Samples](#)[Reviews](#)[Settings](#)

What is the Jellyfish up to?

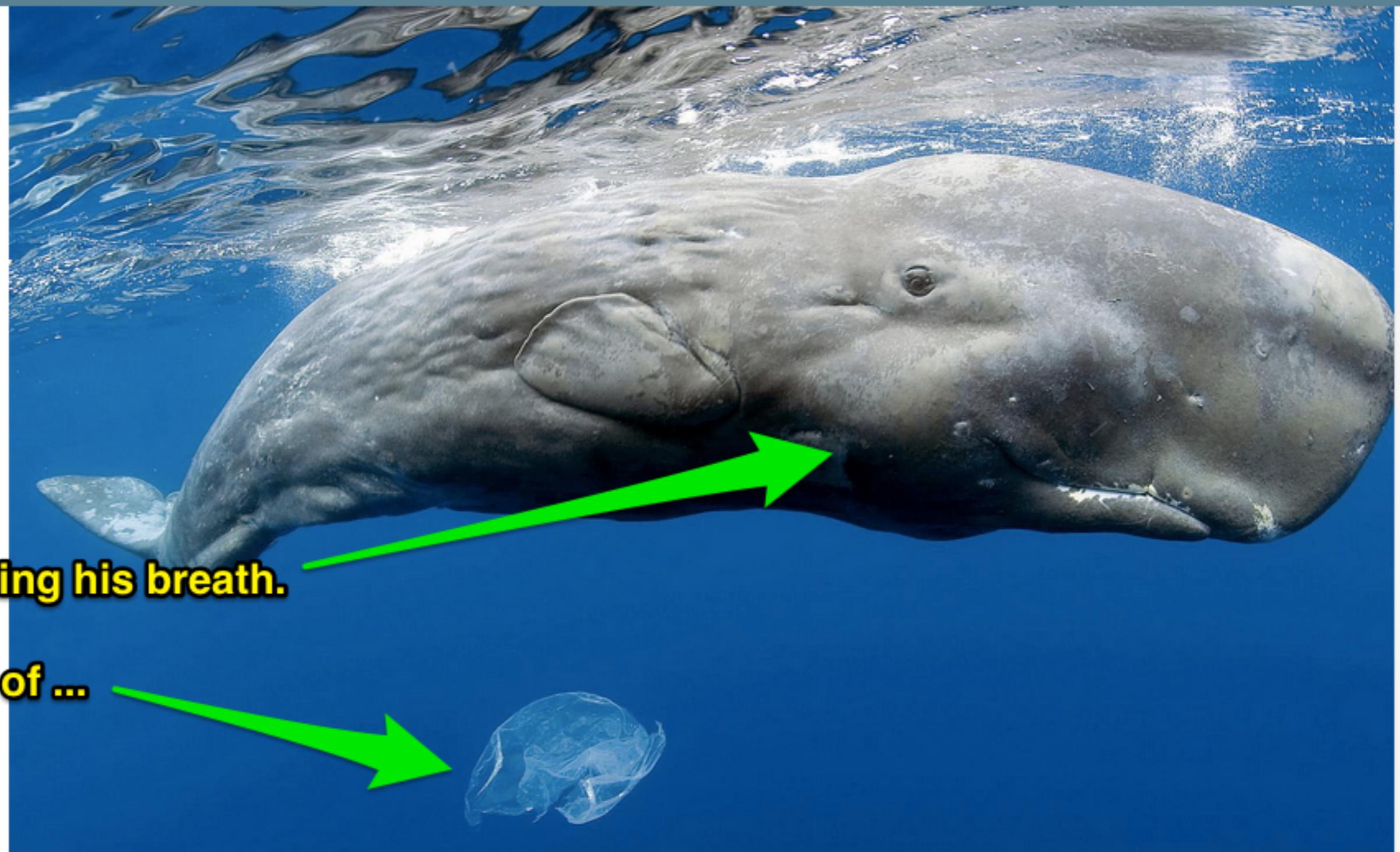
Fri Aug 28 2015

No way jelly fish rule!

[COMMENT](#)

**Click "CLOSE AND ARCHIVE"
when Review is done.**

[CLOSE AND ARCHIVE](#)



It looks like the whale is holding his breath.

Or maybe his cheeks are full of ...

Fri Aug 28 2015

proj1@mc.org

No way jelly fish rule!

Fri Aug 28 2015

Add a comment...

COMMENT

CLOSE AND ARCHIVE

MaterialsCommons

SEARCH PROJECT...

Help proj1@mc.org

proj1 1 Home Processes Files Samples Reviews Settings

MY REVIEWS DUE ALL ARCHIVED

CREATE

Are fish really super powerful?

1. Clicked ARCHIVED to see all your closed reviews.

Fri Aug 28 2015

REQUESTED BY proj1@mc.org

ASSIGNED TO proj1@mc.org

ATTACHMENTS

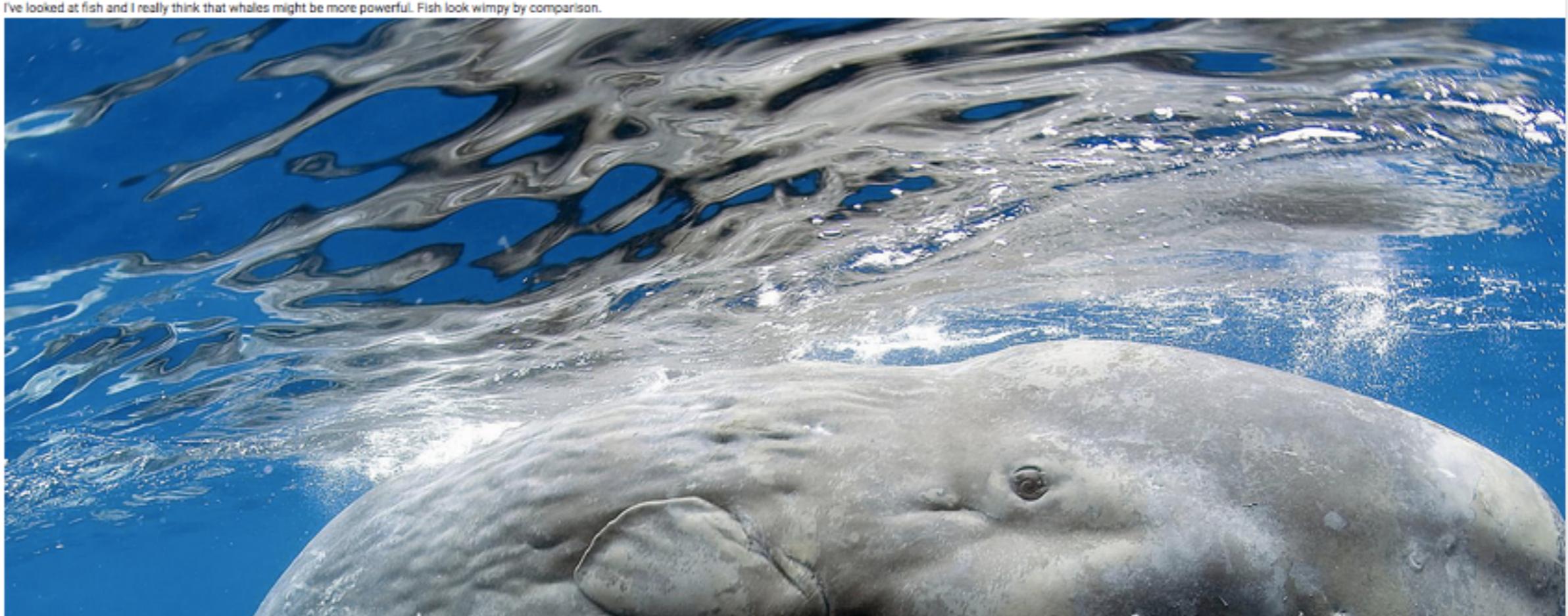
- AI+Mn-isosurface+ROI-composition-2-mN.BMP
proj1/AI+Mn-isosurface+ROI-composition-2-mN.BMP
- AI+Mn-isosurface+ROI-composition-2-zn.BMP
proj1/AI+Mn-isosurface+ROI-composition-2-zn.BMP
- sample1

Cogging - 08/27/2015 @ 3:47PM

COMMENTS

proj1@mc.org

I've looked at fish and I really think that whales might be more powerful. Fish look wimpy by comparison.



And That Concludes The Materials Commons Training Session