Picture Post

http://picturepost.unh.edu/

Stuff You Can Do Educators My Page Home Buy Build Help



Featured Picture Post panorama: Concord Academy, Arena Farms Post 2.



Use the navigation buttons on the left of the map to zoom. Click and drag to pan around



picture post

Picture Post is a part of the Digital Earth Watch (DEW) network. DEW supports environmental monitoring by citizens, students and community organizations through digital photography and satellite imagery.

You can...

- · contribute photographs to any Picture Post
- · add your own Picture Post
- measure environmental change in your neighborhood, and
- contribute to science networks.

Learn how!

Read about us in Earthzine.



What is a Picturepost

Featured Picture Post panorama: <u>Wells</u> <u>Reserve Beach</u>.



A stable permanent platform in an ecological important location

where you take photographs over time



What you can do with Picturepost

Contribute photographs to the

scientific network

Track changes in your site over time



 Link your findings to satellite imagery of your area

What you need

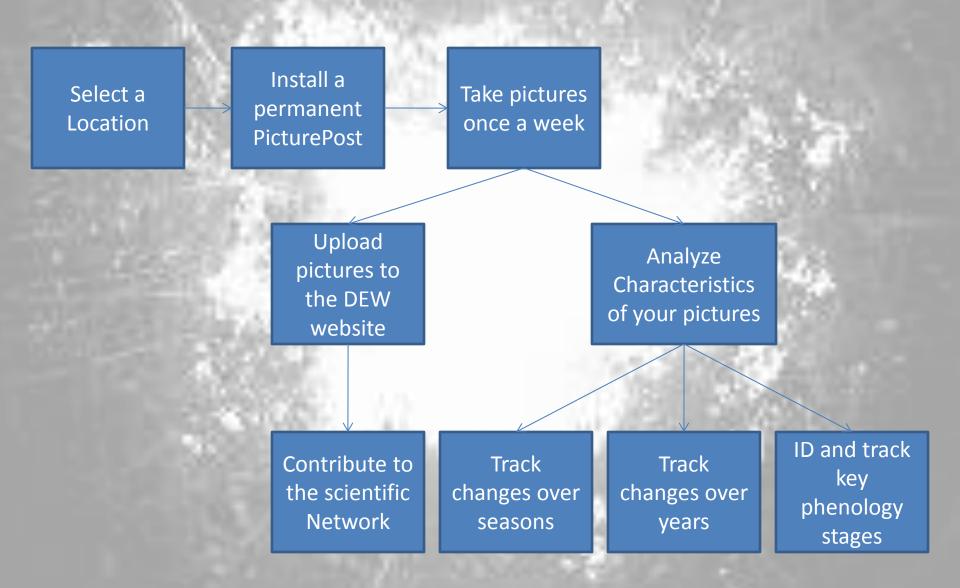






- A permanent plot to visit
- Digital Camera
- Camera Mounting Block and post
- Compass
- Computer (for image upload)
- Downloaded freeware
- A group committed to taking regular photos of their site





Select a Location

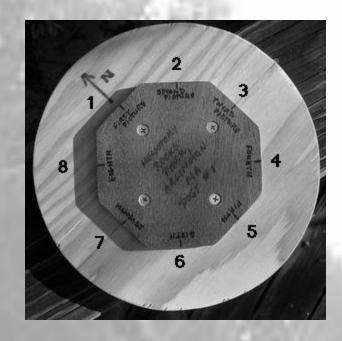


- Choose an easily accessible location
- Include vegetation in each canopy level
- •Include a landmark feature for reference





Install a permanent PicturePost





Take pictures once a week

During a most of the year, take photographs once a week. To study the seasonal cycles, take photographs once a day during spring "green up" and autumn "green down."



- Record the time and date of your photos
- •Take 8 photos of the landscape (clockwise starting N) and one of the sky

Take pictures once a week



Upload pictures to the DEW website

- 1. Register and Log in to the site
- 2. Create your Picture Post location within the database

http://picturepost.unh.edu/help_addpost.jsp

Contribute to the scientific Network

Name:	Poker Hill Farm (PHF)					
escription:				n public access permitted) with a mix of forest, dence all contained within the post.		
nstall Date:	year	month	day	time zone		
	2011 💌	July 💌	22 💌	Eastern Time	Y	
Location:	Enter the			0.0) and longitude (-180.0 to 180.0) position of y itude -72.334928	our post,	
	•	- Julian	(15)	Map •		
	•		H			
				/ And the second		

Upload pictures to the DEW website

Contribute to the scientific Network



How to Upload:

- Step 1. Click the "Browse" or "Choose File" button below to choose an image file to upload.
 This opens a window that shows directories on your computer.
 Locate your file and select it. Once selected, the file name appears in a list below.
- Step 2. Repeat Step 1 to build your upload list. You can choose up to 9 files.
- Step 3. Click "Upload" to upload your files all at once.

If you prefer, you can upload fewer files at one time, but this may take longer.

- Step 4. Arrange your files in the correct order.
 You can remove files and repeat the upload steps to add files until you have the picture set you want.
- . Step 5, Click "Submit" to finish.

VTPHF1NN072211.jpg Remove

VTPHF1NE072211.jpg Remove

VTPHF1EE072211.jpg Remove

VTPHF1SE072211.jpg Remove

VTPHF1SS072211.jpg Remove

VTPHF1SW072211.jpg Remove

VTPHF1WW072211.jpg Remove

VTPHF1NW072211.jpg Remove

Download the Panorama Software

Visualize changes over time

Panarama Factory Software

Panorama Factory

Panorama Factory hilft, die notwendigen Einzelbilder eines künftigen Panoramas perfekt zu verknüpfen. Dabei werden Unregelmässigkeiten bei der Belichtung einzelner Fotos auf das Gesamtresultat abgestimmt. Eine Vielzahl von Werkzeugen hilft Fortgeschrittenen, wie absoluten Neulingen professionelle Ergebnisse zu erzielen. Mit wenigen Mausklicks entstehen in Minuten passgenaue Panoramen. Das Programm ist ein toller Ersatz für kostenintensive Weitwinkel-Objektive oder Konverter. Als kleinen Vorgeschmack können Sie hier ein Panorama von Bielefeld ansehen, das mit diesem Programm gefertigt wurde.





Hersteller: John Strait Lizenz: Freeware

Betriebssysteme: Windows 98 | ME | 2000 | XP | Vista | 7

Sprache: Englisch

Dateigrösse: 2.45 MB

Forum: Meinungen, Hilfe und Support



Übersetzen mit Babylon | Panorama Factory

FOTO-FREEWARE

DOWNLOAD

TOP-AWARD



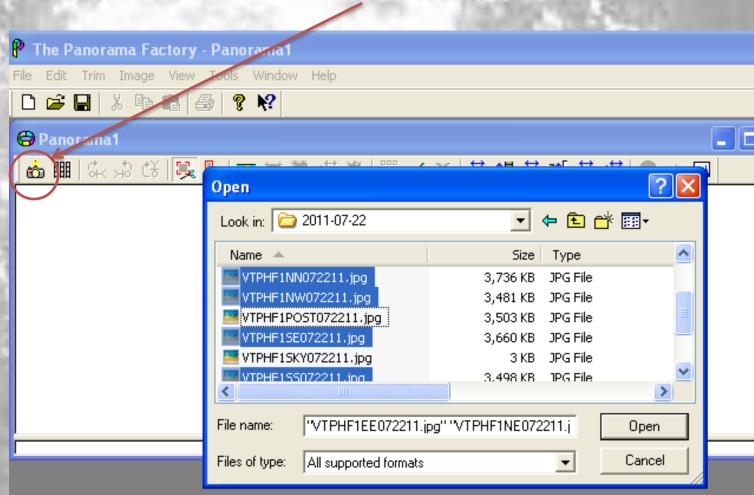
Panorama Software

Upload your photos into the Panorama Factory by clicking on the Camera Icon

Panarama Factory Software

Visualize

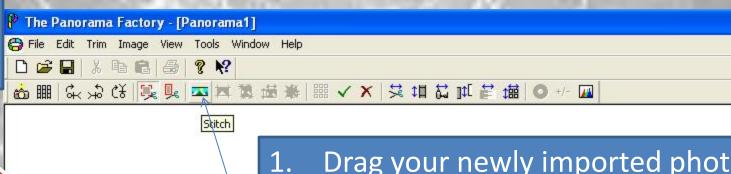
changes over time



Panorama Software

Visualize changes over time

Panarama Factory Software



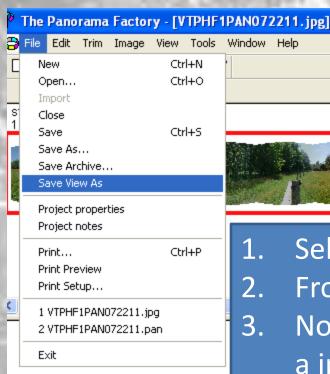
- 1. Drag your newly imported photos into the correct order
- 2. Select them all with the CTRL button
- 3. Click on the Stich Icon

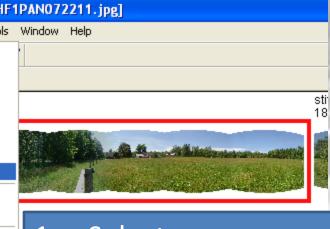


Panorama Software

Visualize changes over time

Panarama Factory Software





- Select your new panorama
- 2. From the File Tab select Save View As
- 3. Now you can save your panorama as a jpg. Or .tif for later analysis or stacking.



More Visualization Tools

Visualize changes over time

Animate Your Images

Panarama Factory Software

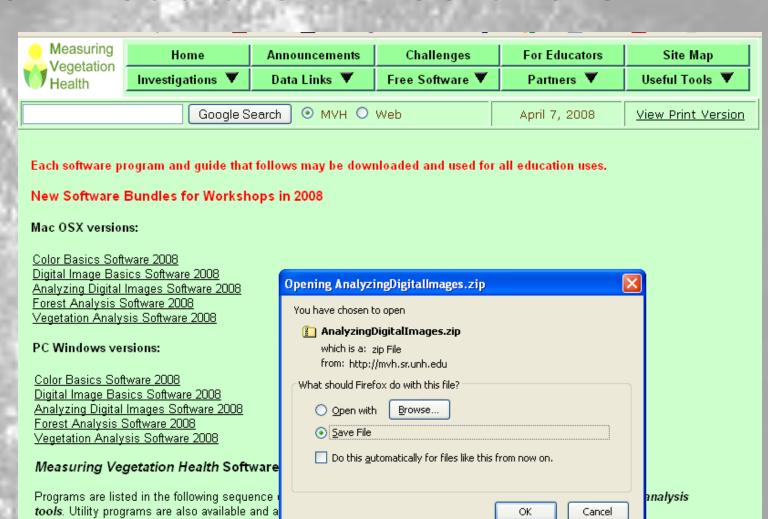
Make your own Picture Story using Windows Movie Maker or Apple's QuickTime Pro



Download the ADI Software



Analyzing Digital Images Software



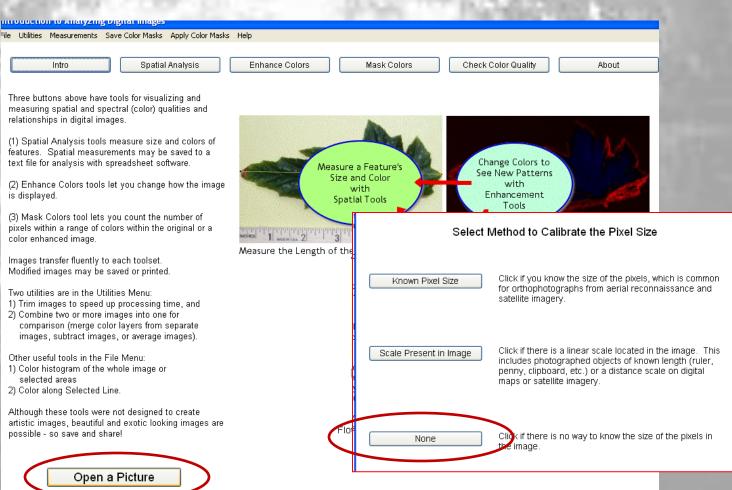


http://mvh.sr.unh.edu/software/software.htm

For each concept grouping, software is bundled for one-stop downloading. Or consider downloading all of the programs at once.

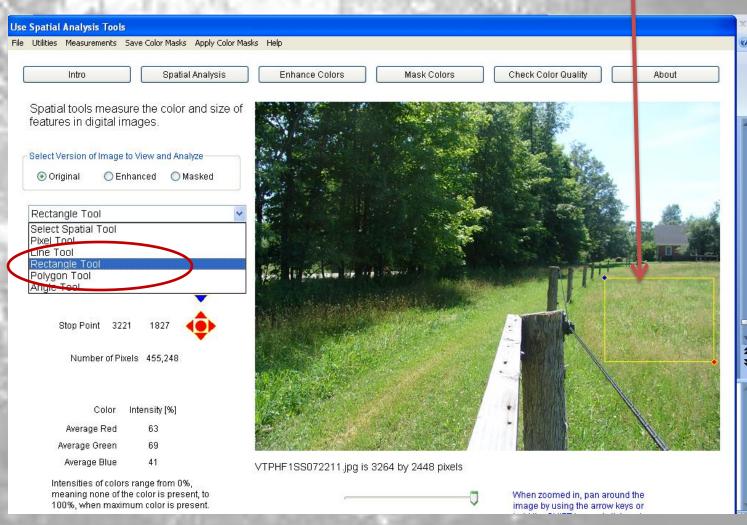
Open the Analyzing Digital Imagery Program
Click Open a Picture and browse to your image
Select NONE for the Calibration Method

Quantify Canopy Characteristics



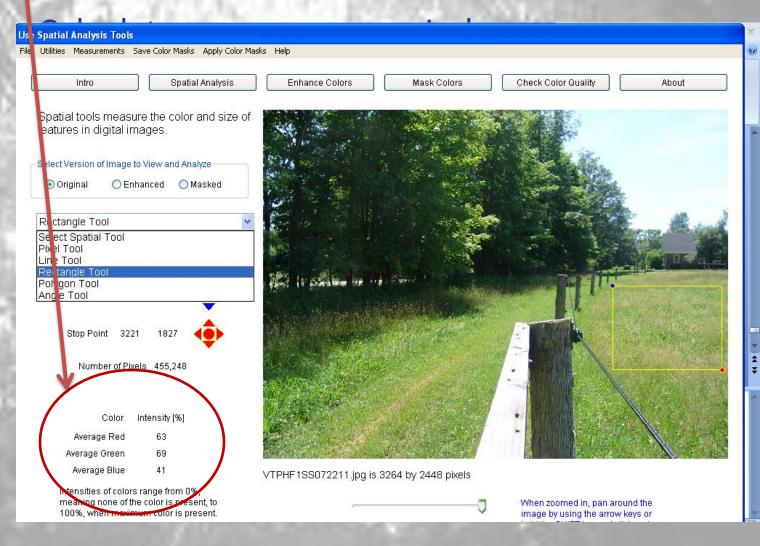
Select the Rectangle Tool to isolate an area of vegetation in your image

Quantify Canopy Characteristics



Record your color intensities for the Red, Green and Blue Bands

Quantify Canopy Characteristics



Calculate your greenness Index as:

Quantify
Canopy
Characteristics

 $Greenness\ Index = \frac{Green}{\text{Re}\ d + Blue + Green}$

Analyzing
Digital
Images
Software

Color	Intensity [%]

Average Red 63

Average Green 69

Average Blue 41

Intensities of colors range from 0%, meaning none of the color is present, to 100%, when maximum color is present.

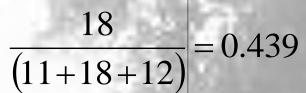
$$\frac{69}{\left(63+69+41\right)} = 0.398$$

Investigate how grass compares to trees or

how shadow compared to sunlit areas









$$\frac{45}{(32+45+22)} = 0.455$$

A wealth of information

Pulling it all together