

**HyD**rometeorology and **R**em**O**te **S**ensing **Lab**oratory (hydro.ou.edu) arrc.ou.edu; water.ou.edu; eos.ou.edu; flash.ou.edu; hazards.ou.edu



## Running the example Basin

Xianwu Xue April 2<sup>rd</sup>, 2012







### Table of Contents

• Organization of the Files and Folders

• Follow the steps





#### Organization of the Files and Folders







### First Step: Create Folders

- Create a folder named as "Wangchu\_CREST\_V6\_Daily"
- Create Sub-Folders Like below



#### Second Step

#### Copy files ("CREST\_v2.exe" and "Wangchu\_CREST\_V6\_Daily.Project") in to the folder



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### Third Step

# Put DEM.asc, FAC.asc, FDR.asc, GridArea.asc, Mask.asc and Stream.asc into "**Basics**" Folder





#### Forth Step

• Put CalibMask.asc and Calibrations.txt into "Calibs" Folder

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🔶 Favorites	Name	Date modified	Туре	Size
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\rm Downloads	Calibrations.txt	3/21/2012 11:58 AM	Text Document	2 KB
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### Fifth Step

• Put InitialConditions.txt into "ICS" folder

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#### Sixth Step

• Put Wangchu\_Obs.csv into "OBS" Folder

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#### Seventh Step

• Put Parameters.txt into "Params" Folder

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### **Eighth Step**

#### Move "Rain" folder in to the folder "Wangchu\_CREST\_V6\_Daily"





### Ninth Step

#### Move "PET" folder in to the folder "Wangchu\_CREST\_V6\_Daily"





#### Tenth Step

#### Replace the path "E:\CREST\_Workshop\CREST\_Model\Wangchu\_CREST\_V6\_Daily\_Original nalData" using your own path



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### Final Step: Run the Model

- Open DOS terminal (Winkey + R)
- Input "cmd"
- Click OK







### Final Step: Run the Model

#### C:\Windows\system32\cmd.exe

Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\XXWT410>cd "E:\CREST\_Workshop\CREST\_Model\Day One PM Example Basin\Wan gchu\_CREST\_V6\_Daily"

C:\Users\XXWT410>E:

E:\CREST\_Workshop\CREST\_Model\Day One PM Example Basin\Wangchu\_CREST\_V6\_Daily>



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### Final Step: Run the Model

- Open DOS terminal (Winkey + R)
- Input "cmd"
- Click OK
- Type ".\CREST\_v2.exe Wangchu\_CREST\_V6\_Daily.Project"

03./21./2012 04:38 PM (DIR) OBS	
	*
03/21/2012 05:04 PM <dir> Params</dir>	
03/21/2012 04:38 PM <dir> PET</dir>	
03/21/2012 04:38 PM <dir> Rain</dir>	Ξ
03/21/2012 04:41 PM <dir> Results</dir>	
02/07/2012 10:14 PM <dir> States</dir>	
03/21/2012 04:21 PM 4,164 Wangchu_CREST_V6_Daily.Project	
2 File(s) 843,844 bytes	
11 Dir(s) 36,922,671,104 bytes free	
<pre>/CREST_v2.exe Wangchu_CREST_U6_Daily.Project '.' is not recognized as an internal or external command, operable program or batch file. E:\CREST_Workshop\CREST_Model\Day One PM Example Basin\Wangchu_CREST_V6_Daily&gt;. \GREST_v2.exe Wangchu_CREST_U6_Daily.Project</pre>	-



#### Results

C:\Windows\system32\cmd.exe
719 2002-12-20
720 2002-12-21
721 2002-12-22
722 2002-12-23
723 2002-12-24
724 2002-12-25
725 2002-12-26
726 2002-12-27
727 2002-12-28
728 2002-12-29
729 2002-12-30
730 2002-12-31
The vesults of the Outlet is:
NSCE: 0.72448925
Bias(%): 2.77653323
CC: 0.85994316
Run end date and time (yyyy/mm/dd hh:mm:ss): 2012/03/21 17:32:29
Elapsed run time: 1.623 Seconds
Project: Wangchu_CREST_V6_Daily is finished!
E:\CREST_Workshop\CREST_Model\Day One PM Example Basin\Wangchu_CREST_V6_Daily> 🔫





### Results (Continued)



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#### Results (Continued)

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- Do you get the same results?
- Please have a rest, and think about the steps

# Thanks for attention!



- Ladies and Gentlemen, could you practice again?
- Until you can run the model by yourself.
- If you have other questions, please feel free to ask me.

