How to set-up VIC-ASSIST on your PC

```
% --- Executes just before umass_vic_assist is made visible.
function umass_vic_assist_OpeningFcn(hObject, eventdata, handles, varargin)

%%%%%%%%%%%%%%%%%%%%%%%%   User-Defined Fields   %%%%%%%%%%%%%%%%%%%%%%%%%%%%
handles.pythonexedir       = 'C:\Python27\ArcGIS10.3';              % Where is the python executable file provided by ArcGIS?
handles.WhereIsCygwin      = 'C:\Users\Wi\Cygwin';                  % Where did you install the Cygwin?
handles.WhereIsVIC_4_2_b   = 'C:\Users\Wi\Cygwin\home\Wi\VIC-4.2.b\src';   % Where is the VIC excutable file?
handles.WhereIsVIC_4_2_c   = 'C:\Users\Wi\Cygwin\home\Wi\VIC-4.2.c\src';
handles.WhereIsVIC_4_2_d   = 'C:\Users\Wi\Cygwin\home\Wi\VIC-4.2.d\src';
handles.WhereIsVIC_5_0_1   = 'C:\Users\Wi\Cygwin\home\Wi\VIC-5.0.1\vic\drivers\classic';
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%%%%%%%%%%%%%%%%%%%%%%%%   CLIMTE DATA DIRECTORY   %%%%%%%%%%%%%%%%%%%%%%%%%%%
% handles.climateforcing_dir_prefix.extCONUS    = '.\meteo\CONUS\1_16deg_gridascii\Meteorology_Livneh_CONUSExt_v.1.2_2013_';
handles.climateforcing_dir_prefix.extCONUS2 = '.\meteo\CONUS\Livneh2015\ascii\Meteorology_Livneh_NAmerExt_15Oct2014_';
handles.climateforcing_dir_prefix.CONUS     = '.\meteo\CONUS\1_8deg_gridascii\data_';
handles.climateforcing_dir_prefix.PGF025    = '.\meteo\PGF\0.25deg_gridascii\data_';
handles.climateforcing_dir_prefix.PGF050    = '.\meteo\PGF\0.5deg_gridascii\data_';
handles.climateforcing_dir_prefix.PGF100    = '.\meteo\PGF\1.0deg_gridascii\data_';
handles.climateforcing_dir_prefix.UWGF050   = '.\meteo\UWGF\0.5deg_gridascii\data_';
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

VIC-ASSIST user-defined fields

- Before running VIC-ASSIST (i.e., running 'umass_vic_assist.m'), users are required to change the 'User-Defined Fields' located at the beginning of the m script (highlighted in the red box in the figure above):
  - The first one is about where the user's python executable file is located, which is accompanied with a ArcGIS Desktop license.
  - The second is about the location where user's Cygwin is installed. Depending on which version of Cygwin is installed, the folder name of Cygwin might be different (e.g., cygwin64).
  - The rest is about directories where users keep their VIC executable files (i.e., vicNl)

- In addition, the field 'CLIMATE DATA DIRECTORY' needs to be updated (highlighted in the blue box in the figure above) in case that users want to store the climate input data sets with the VIC-ASSIST package.