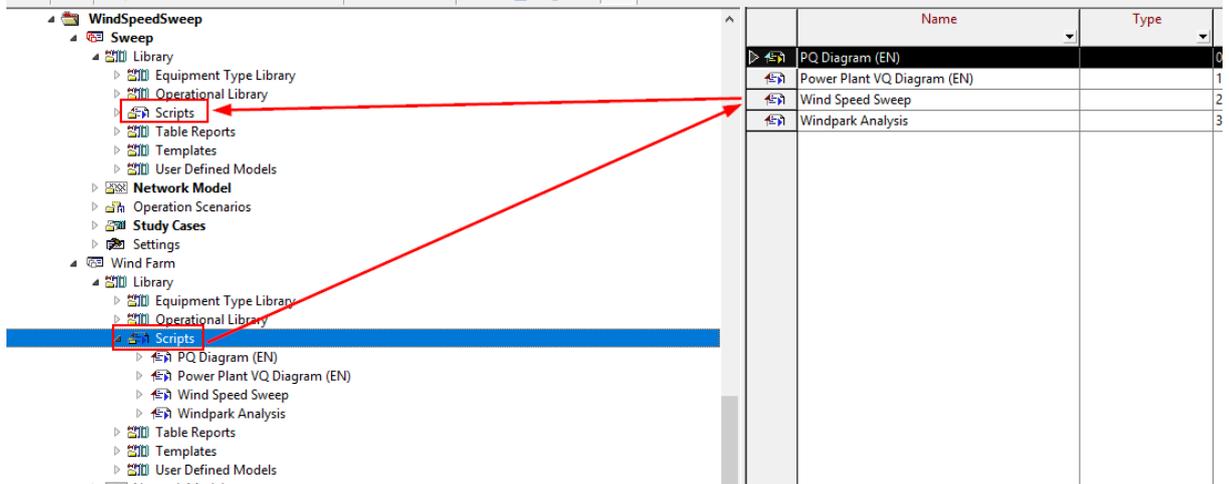
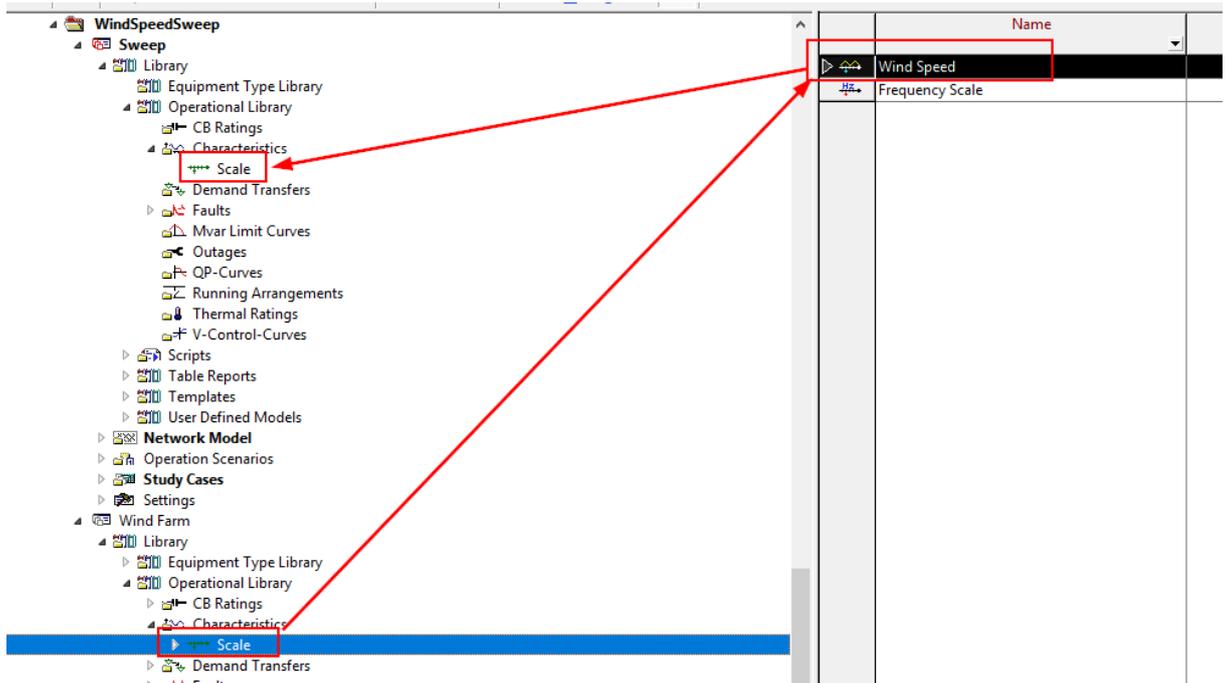


This document explains step by step how the script „Wind Speed Sweep“ from the PowerFactory example project „Wind Farm“ can be used with other projects. For this the script “Wind Speed Sweep” is needed plus a wind speed dependent power characteristic. The characteristic consists of a scale (the x-axis) and the characteristic itself (y-axis values).

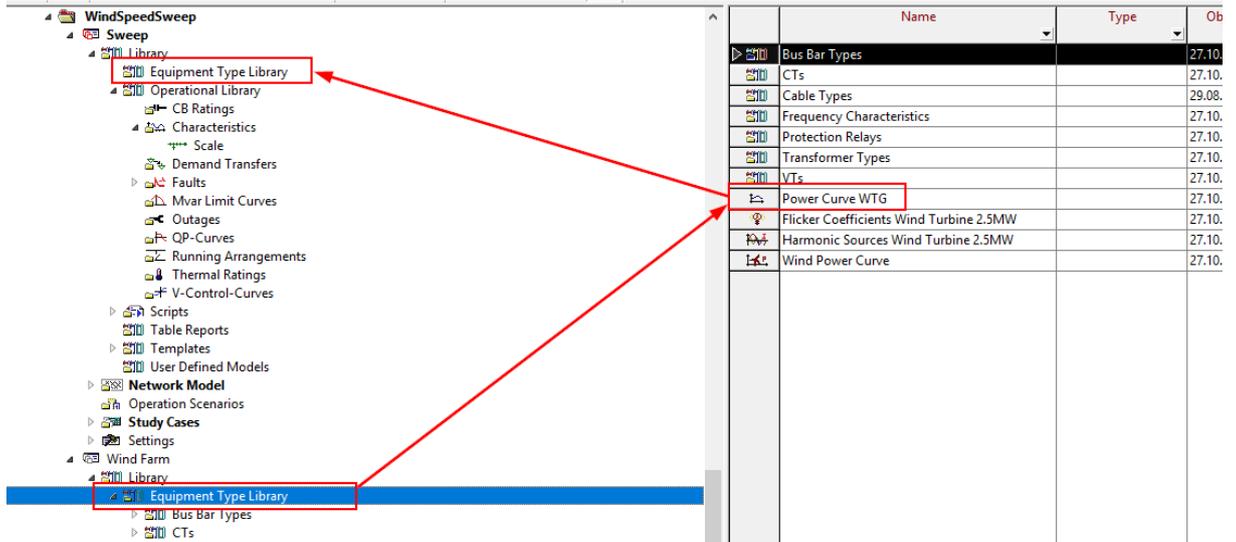
1. Copy the script to project:



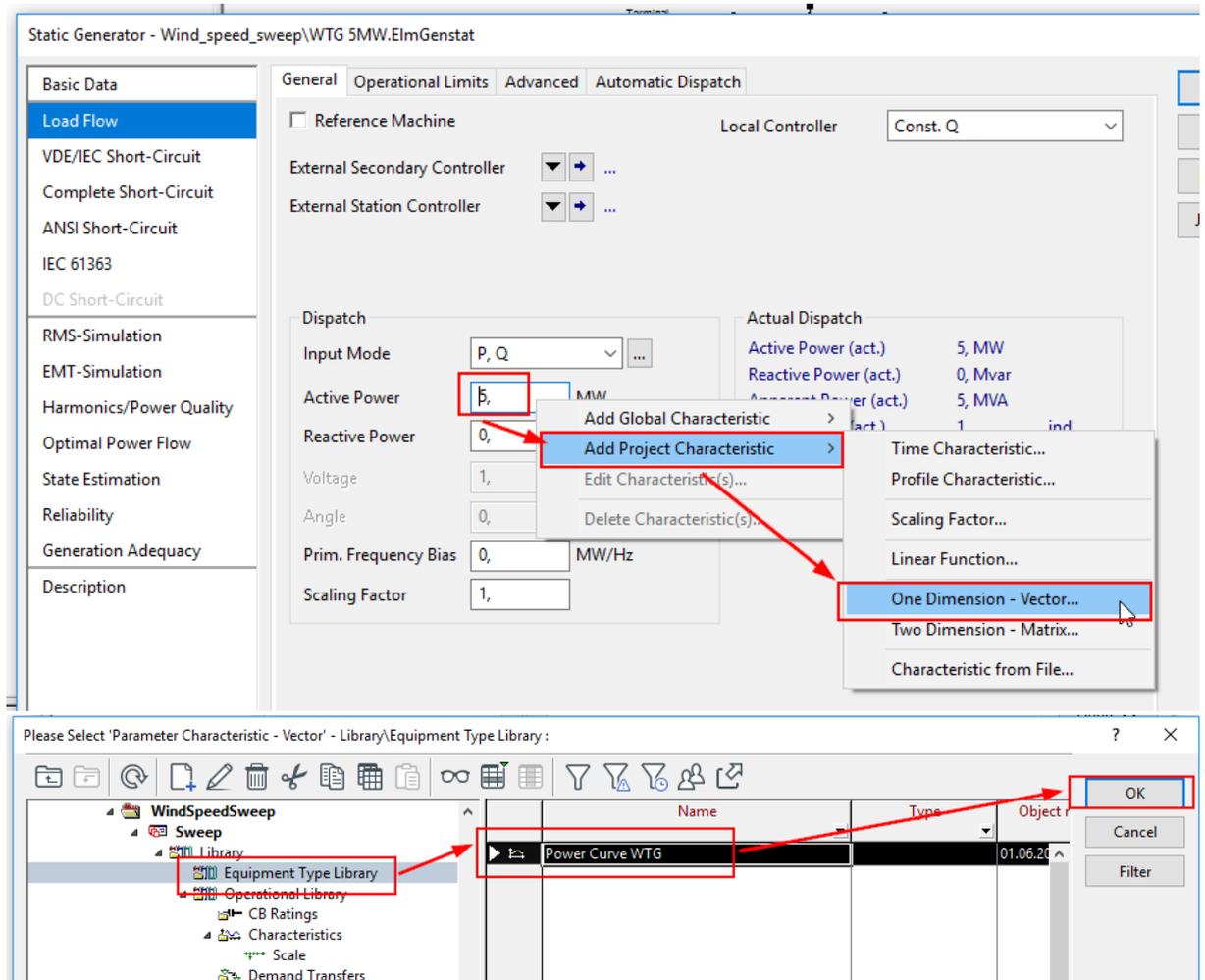
2. Copy the scale for the wind speed (or create new):



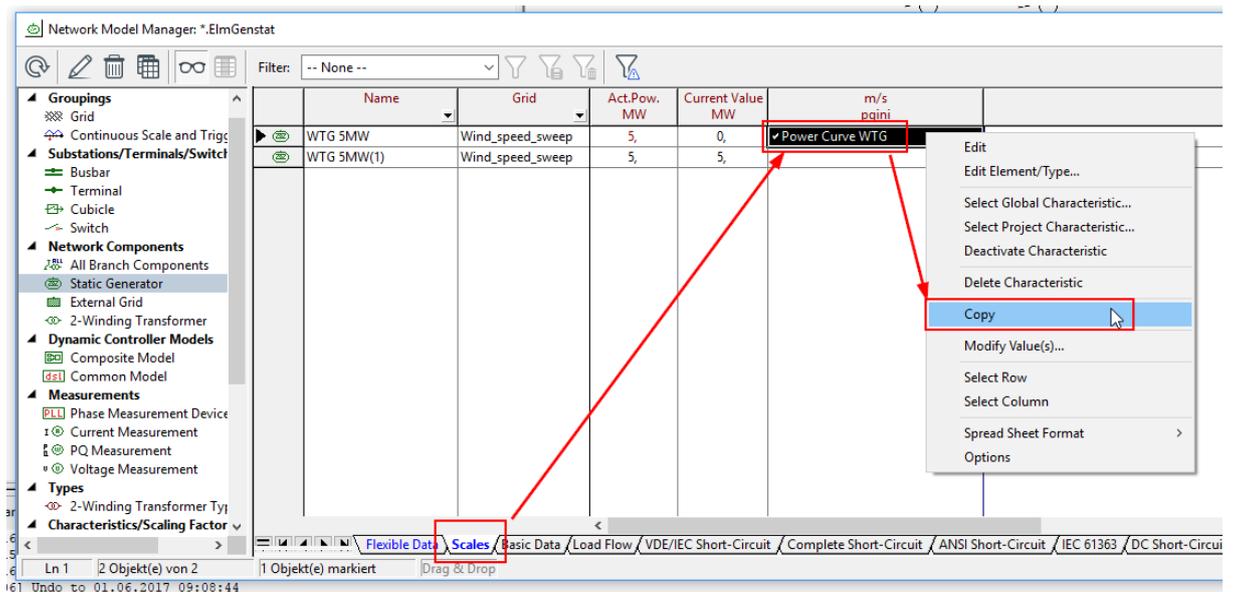
- Copy the “Power Curve WTG” characteristic:



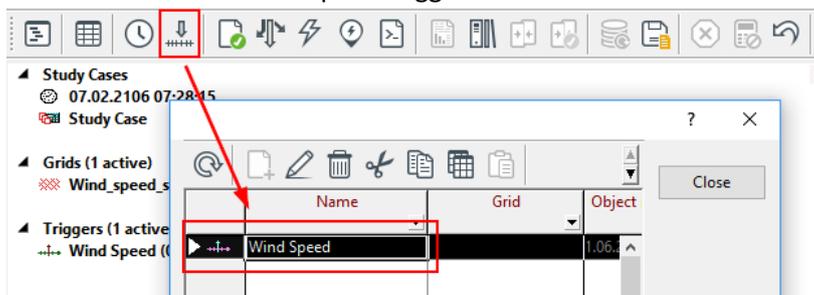
- Right click in the Active Power field and select the characteristic:



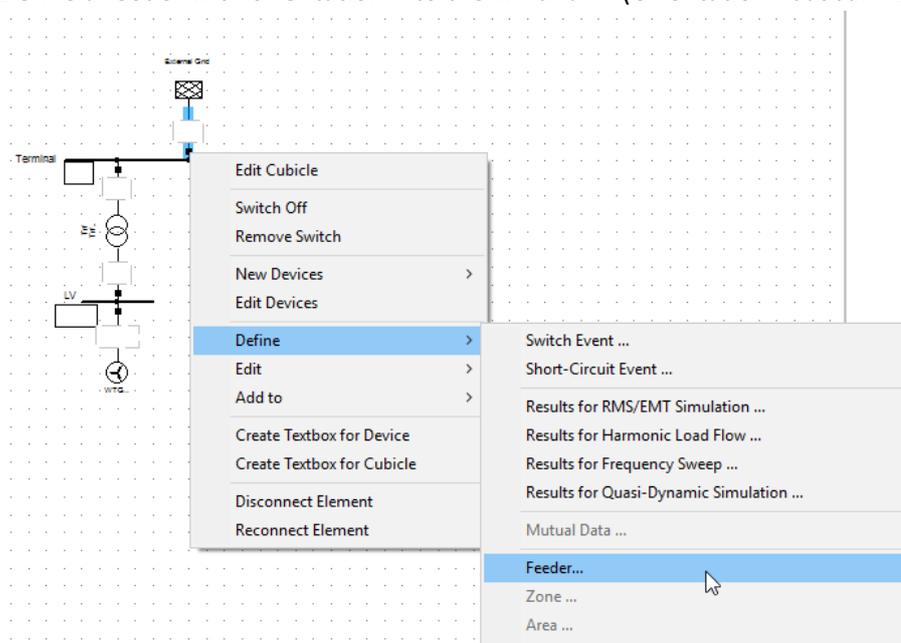
- Repeat the step for all other generators or use the detailed view with copy&paste (The scales tab is only visible if the scales function was enabled in the user settings (Tools → User Settings → Functions)):



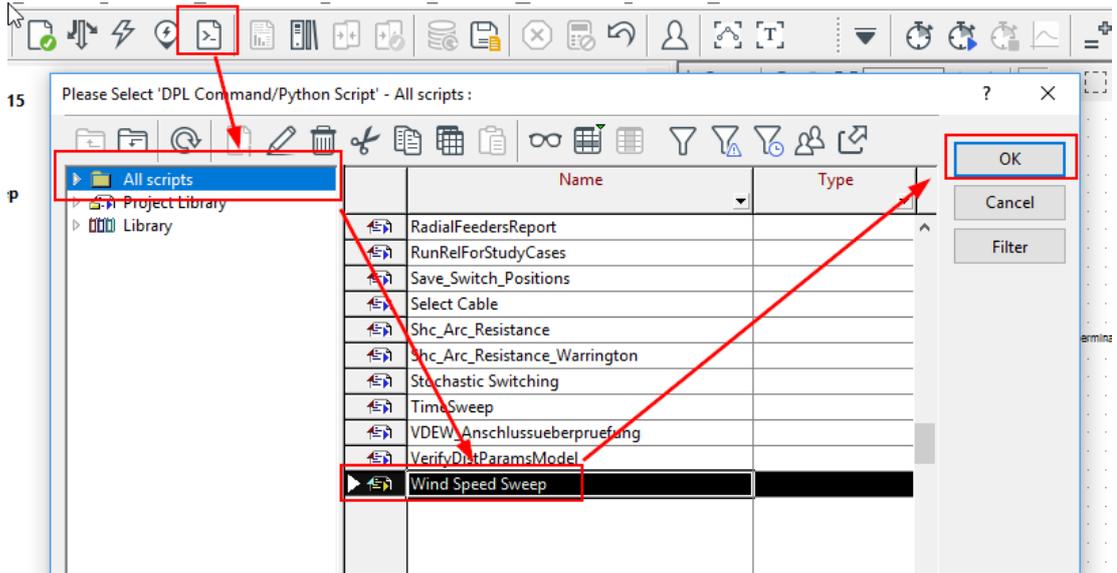
6. Double check if the wind speed trigger is now available:



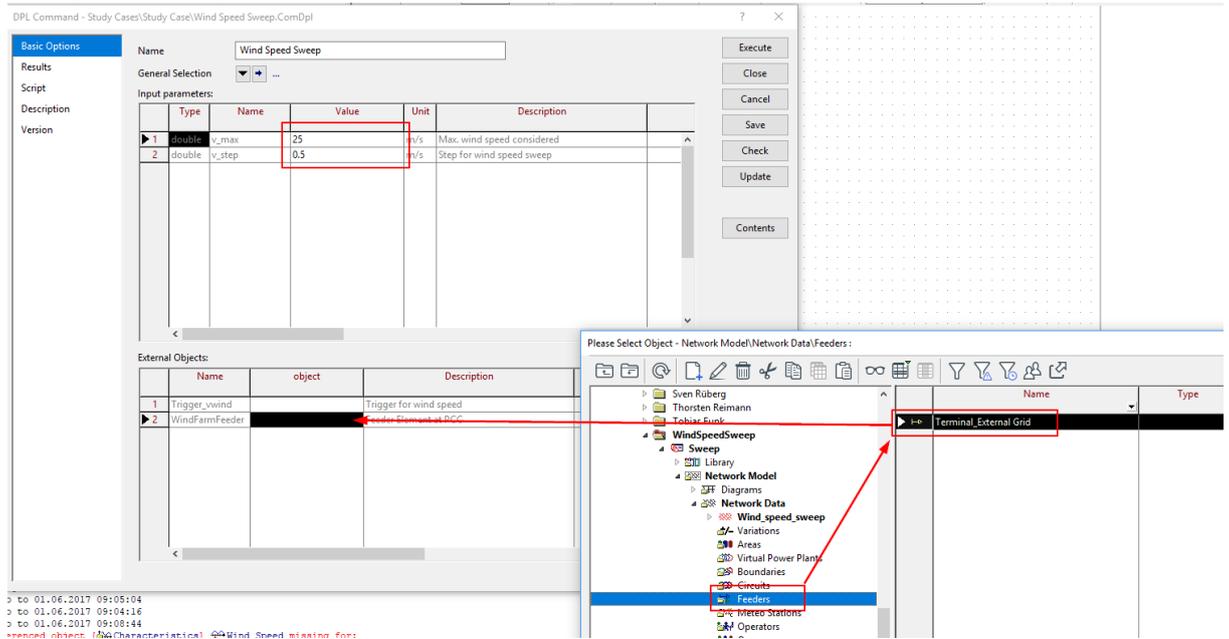
7. Define a feeder with orientation into the wind farm (Orientation "busbar" in this case):



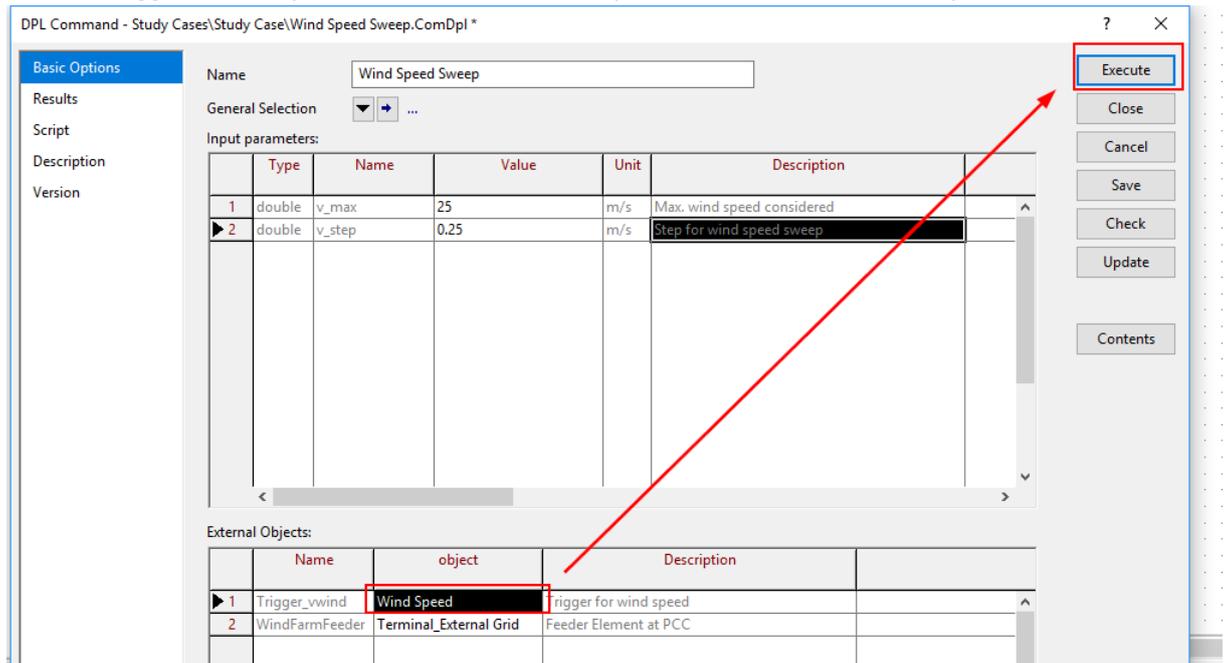
8. Execute the script:



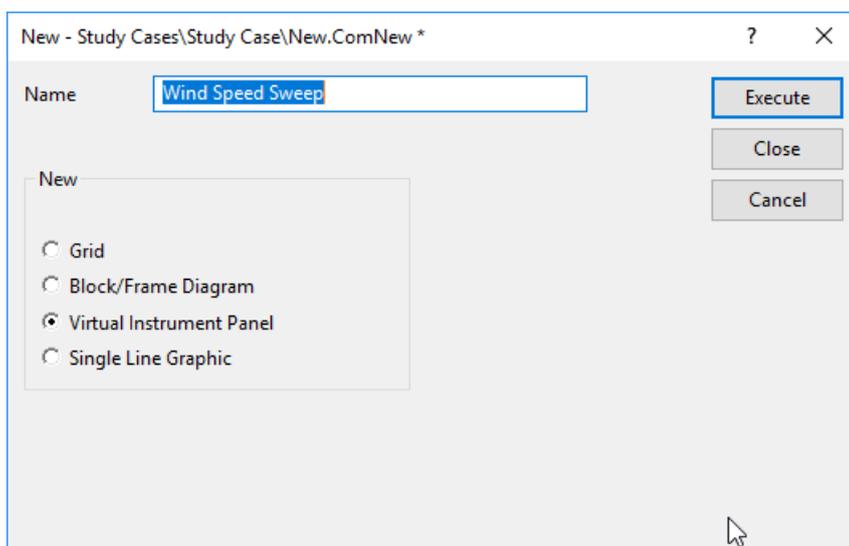
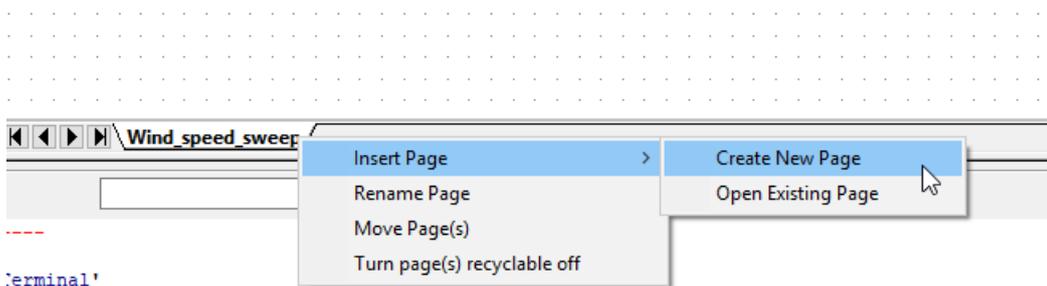
9. Configure the script, select the feeder from the Feeders folder



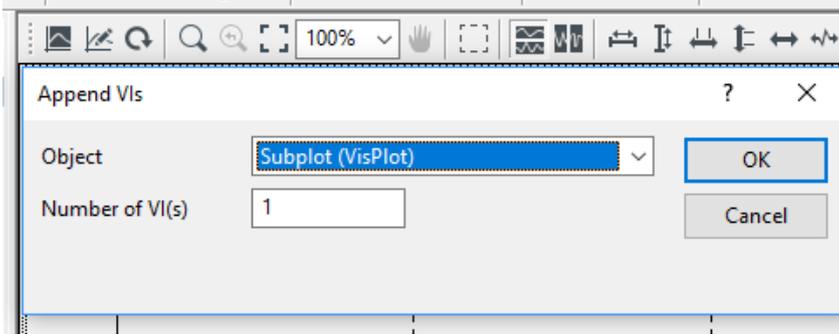
10. And the trigger “Wind Speed” from the active study case, execute then the script:



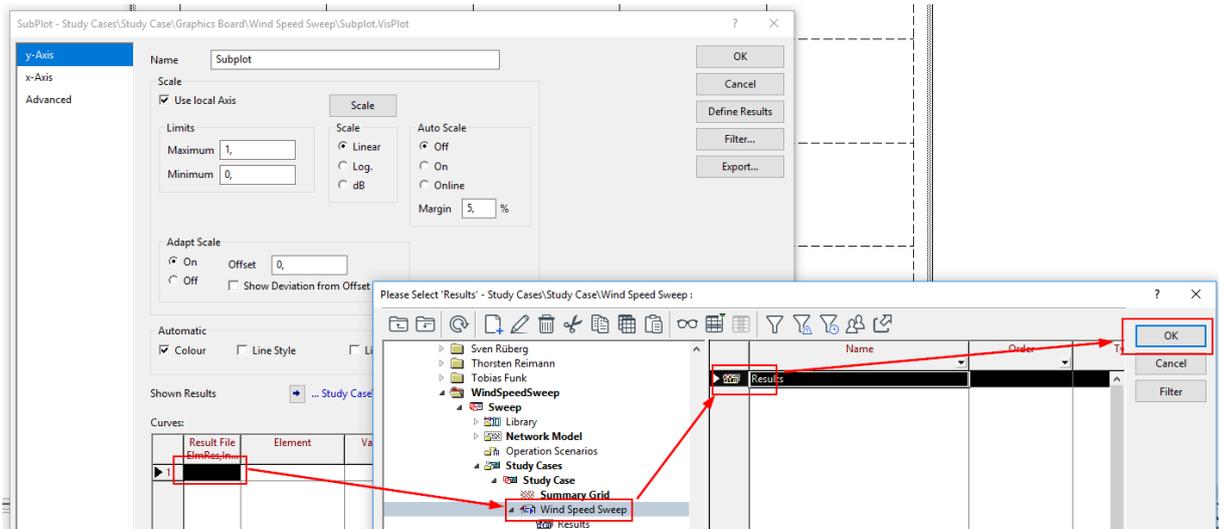
11. Create new page:



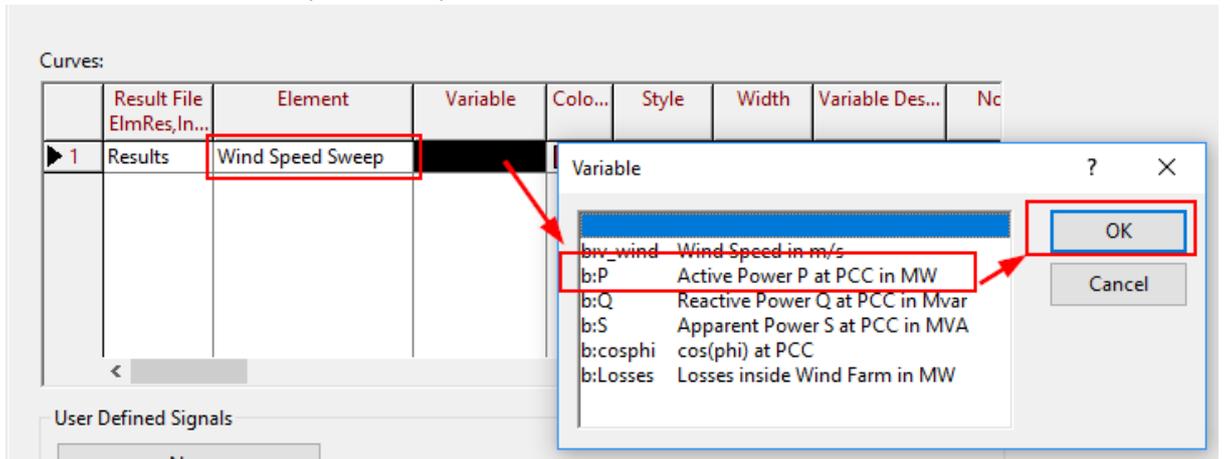
12. Add a new plot:



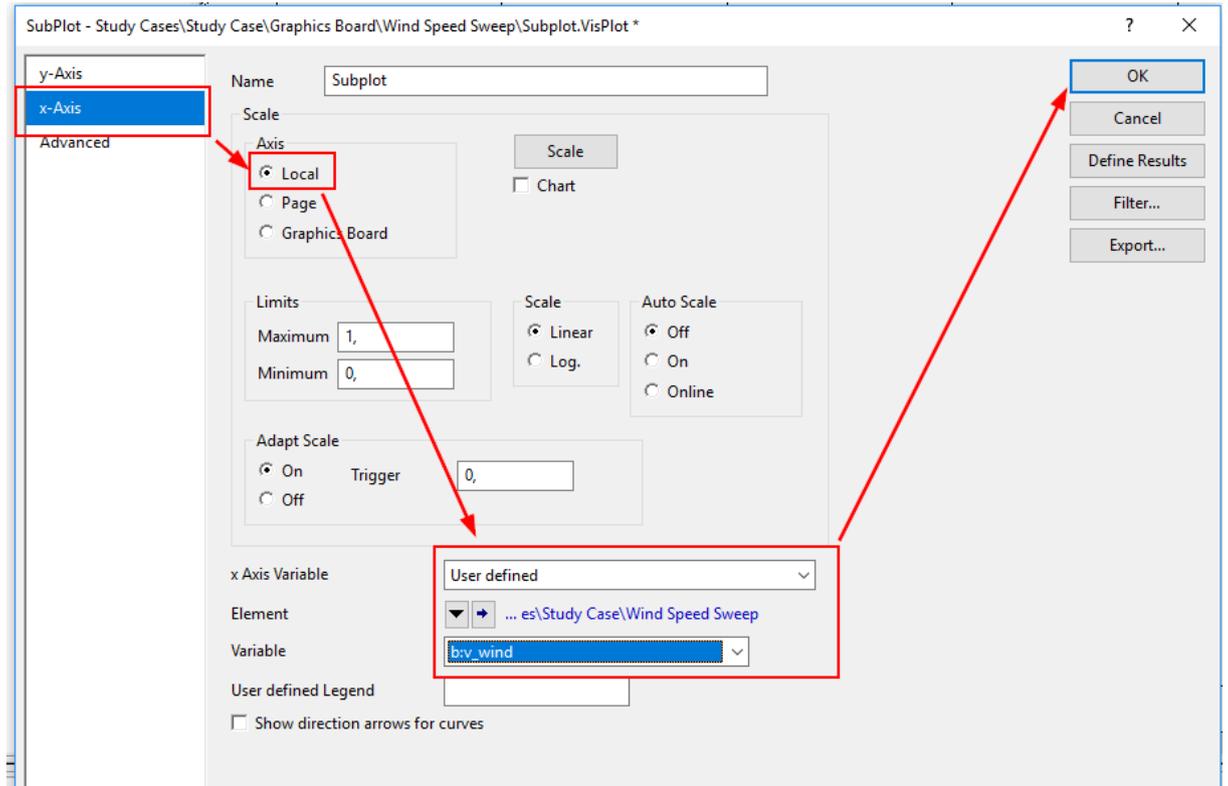
13. Double click at the plot and select the result file of the script:



14. Select as Element the script and the power as variable:



15. Go to the x-Axis page and enter the following configuration:



16. Auto scale x- and y-axis:

