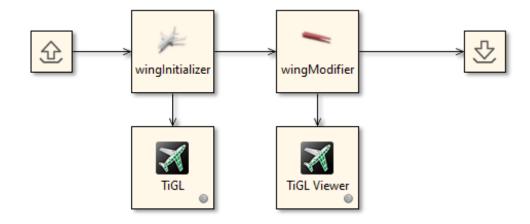
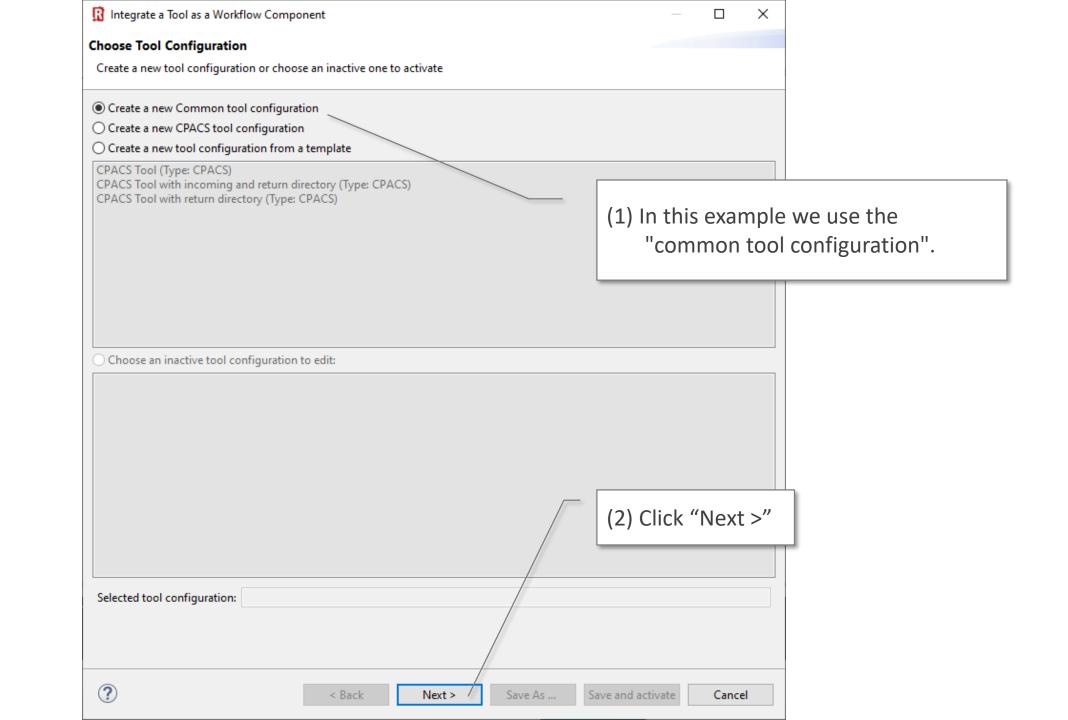
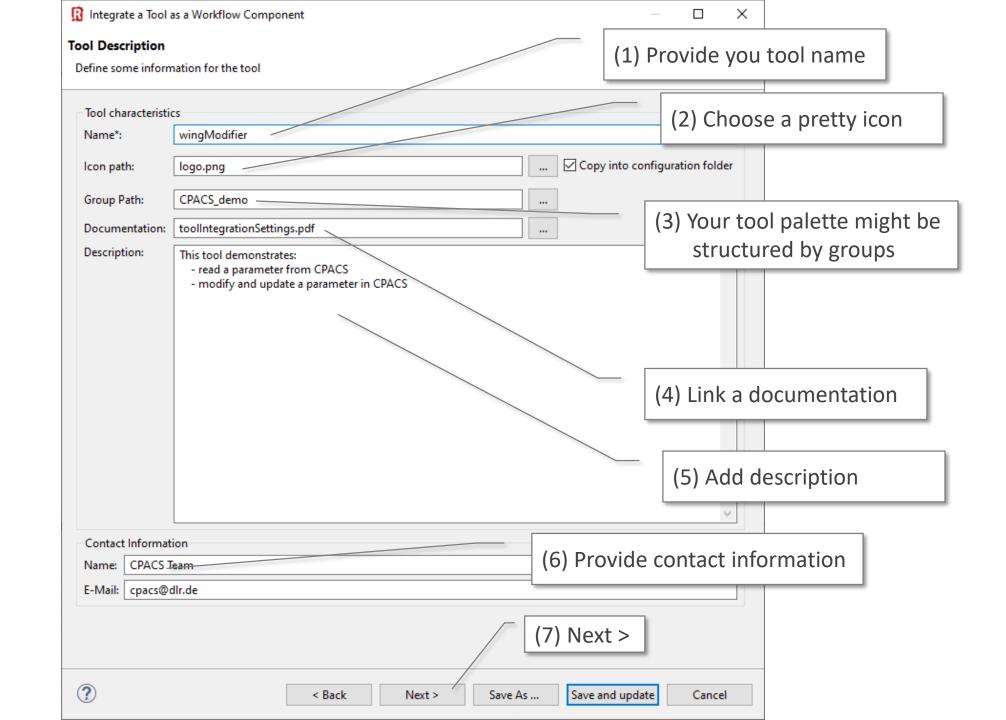
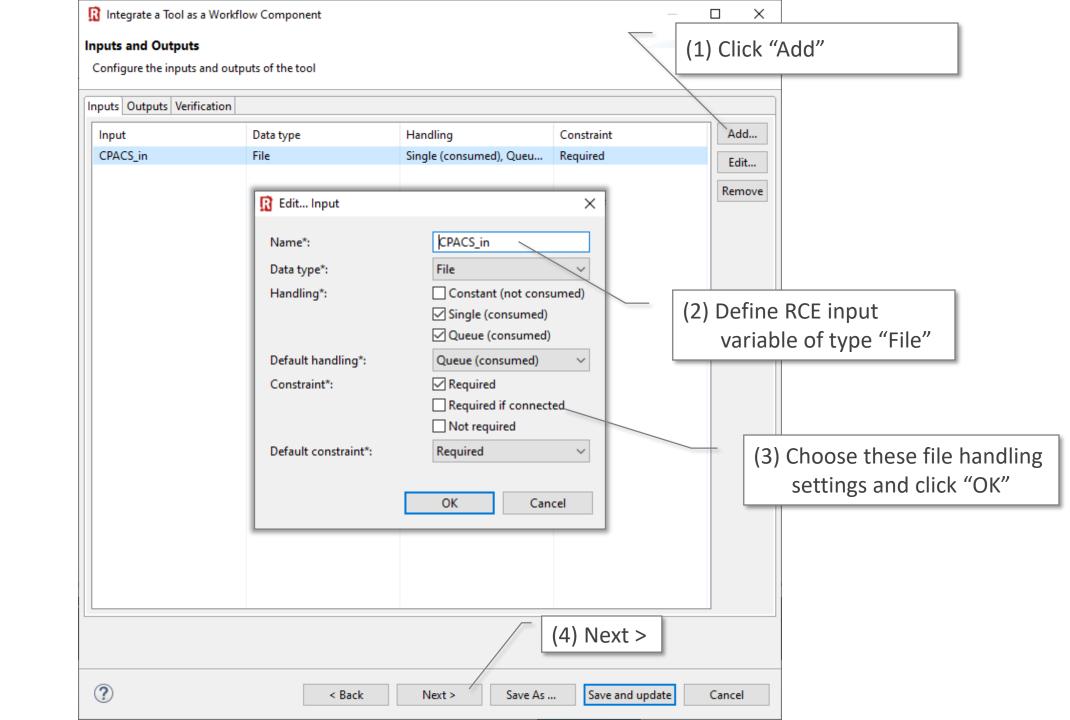
## RCE tool integration

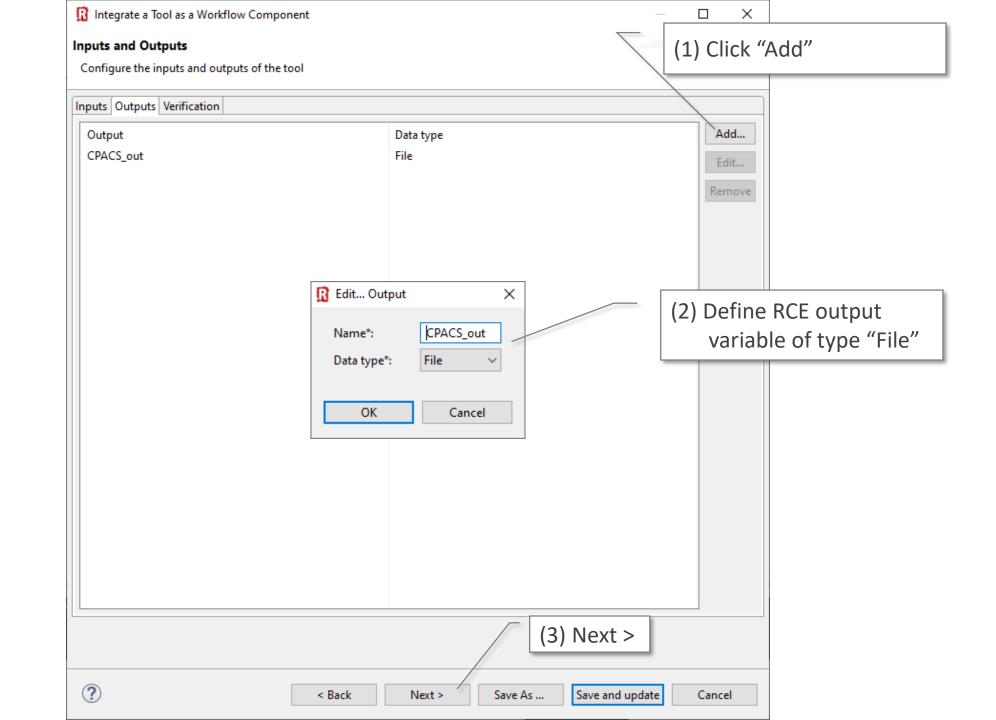
wingModifier

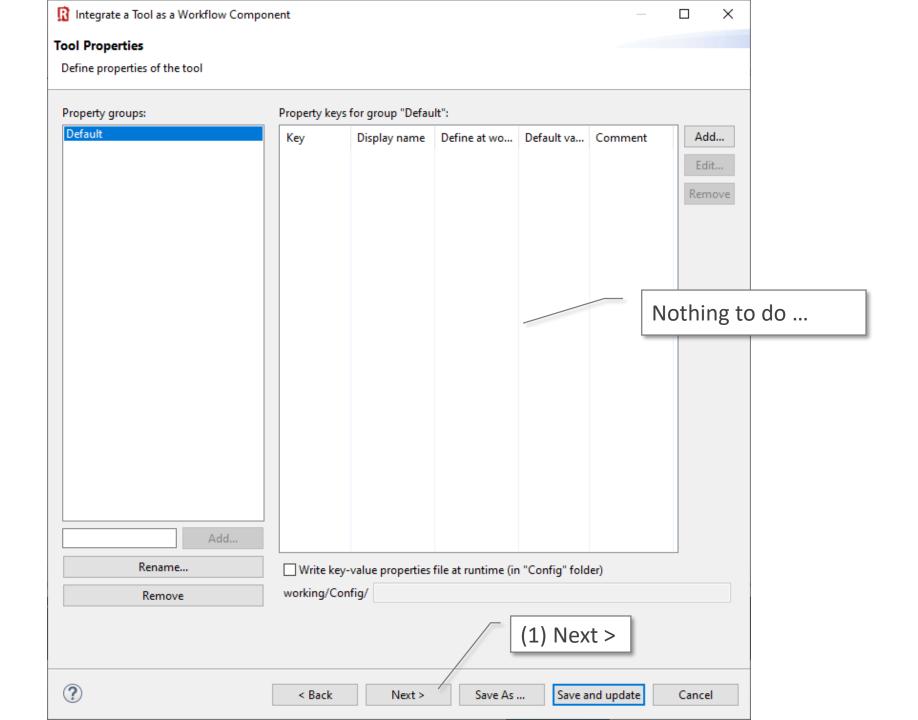


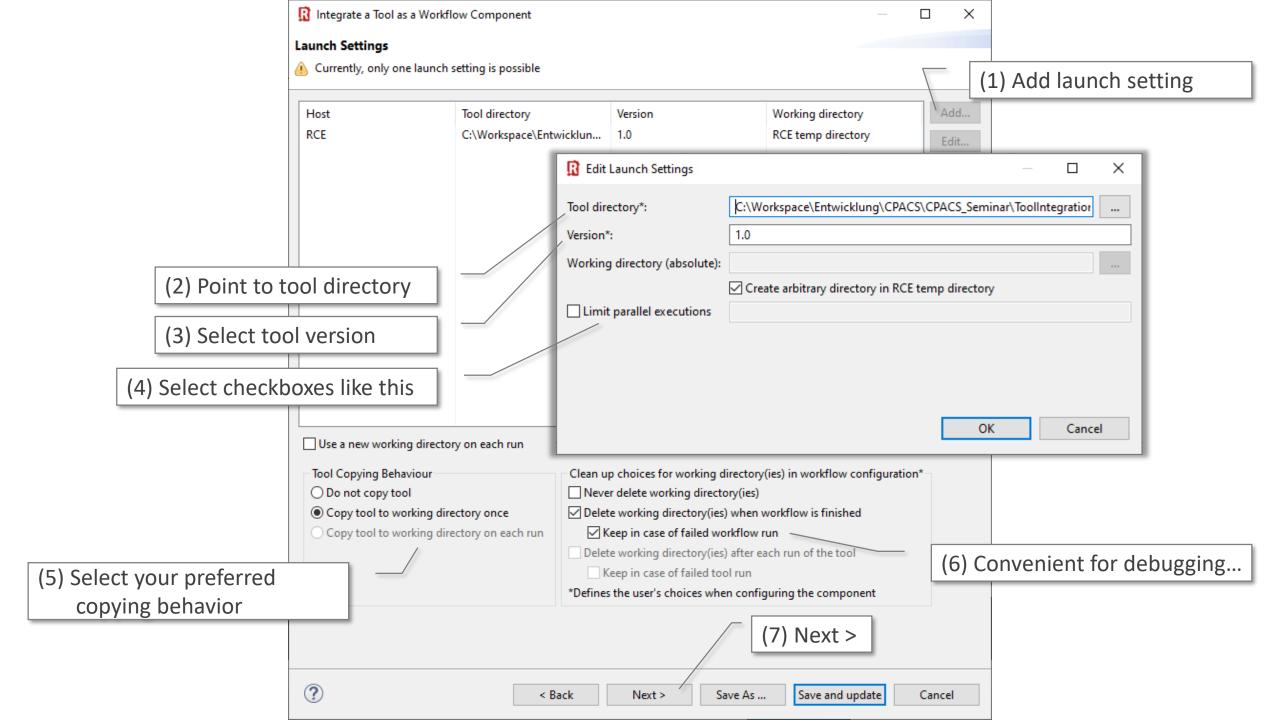








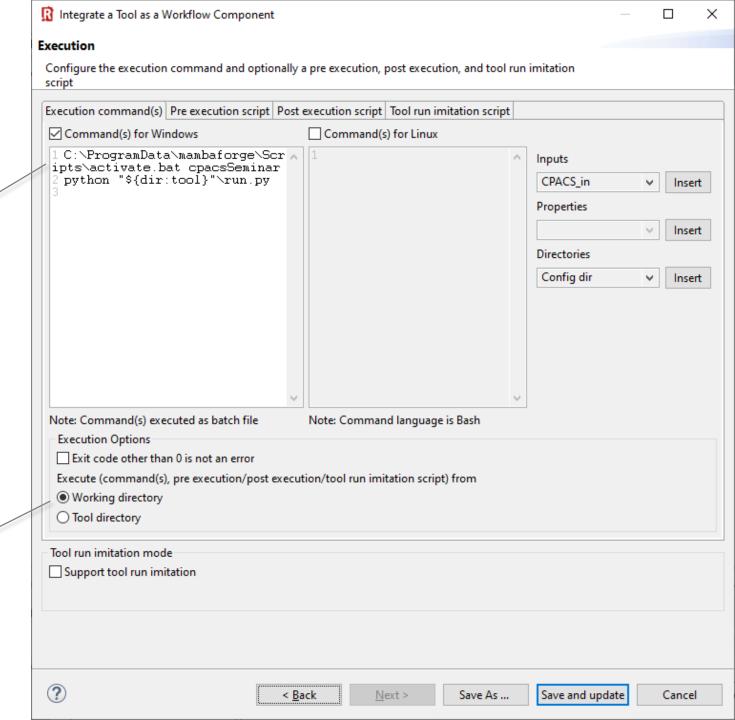




C:\ProgramData\mambaforge\Scripts\activate.bat
cpacsSeminar
python "\${dir:tool}"\run.py

- (1) Specify execution commands for Windows and/or Linux
- This example is written in Python, so we need to activate the correct interpreter first.

(2) Select "Working directory"

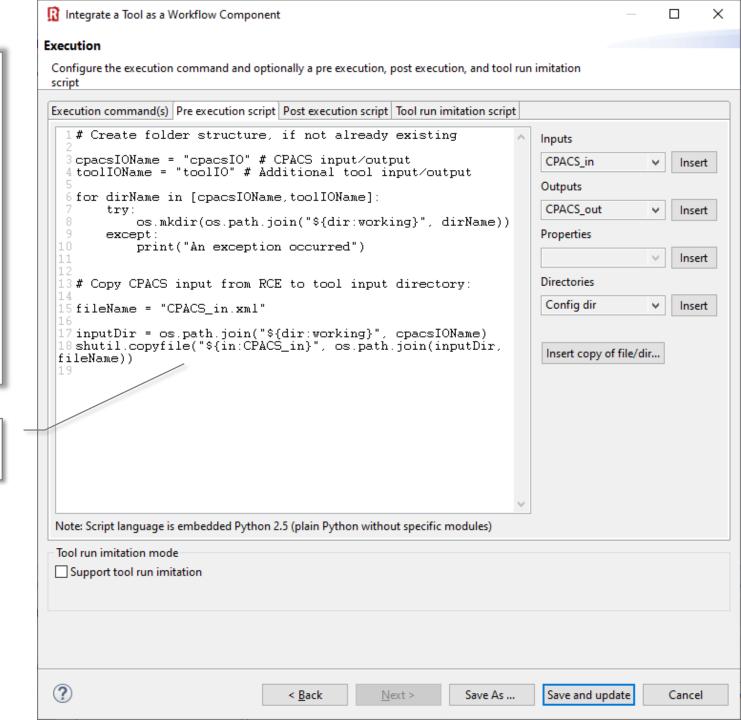


```
# Create folder structure, if not already existing
inputDirName = "ToolInput"
outputDirName = "ToolOutput"

for dirName in [inputDirName,outputDirName]:
    try:
        os.mkdir(os.path.join("${dir:working}", dirName))
    except:
        print("An exception occurred")

# Copy CPACS input from RCE to tool input directory:
fileName = "CPACS_in.xml"
inputDir = os.path.join("${dir:working}", inputDirName)
shutil.copyfile("${in:CPACS input}", os.path.join(inputDir, fileName))
```

- (1) Insert pre-execution script in Python
- Pre-execution: What happens before the actual tool is activated. Use this to create the required folder structure, if necessary, and copy the input file into it.



```
dirName = "ToolOutput"
fileName = "CPACS_out.xml"

${out:CPACS output} = os.path.join("${dir:working}",
dirName, fileName)
```

① Post-execution: What happens after the actual tool has finished. Here we're telling RCE where to find the output file.

(1) Insert post-execution script in Python

