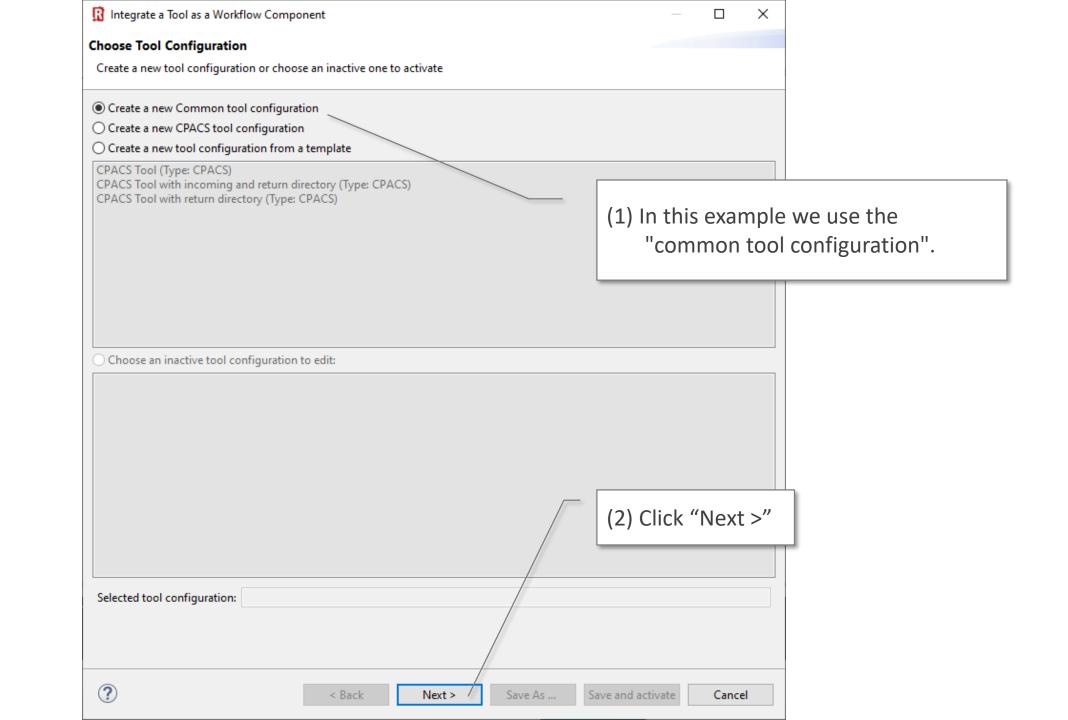
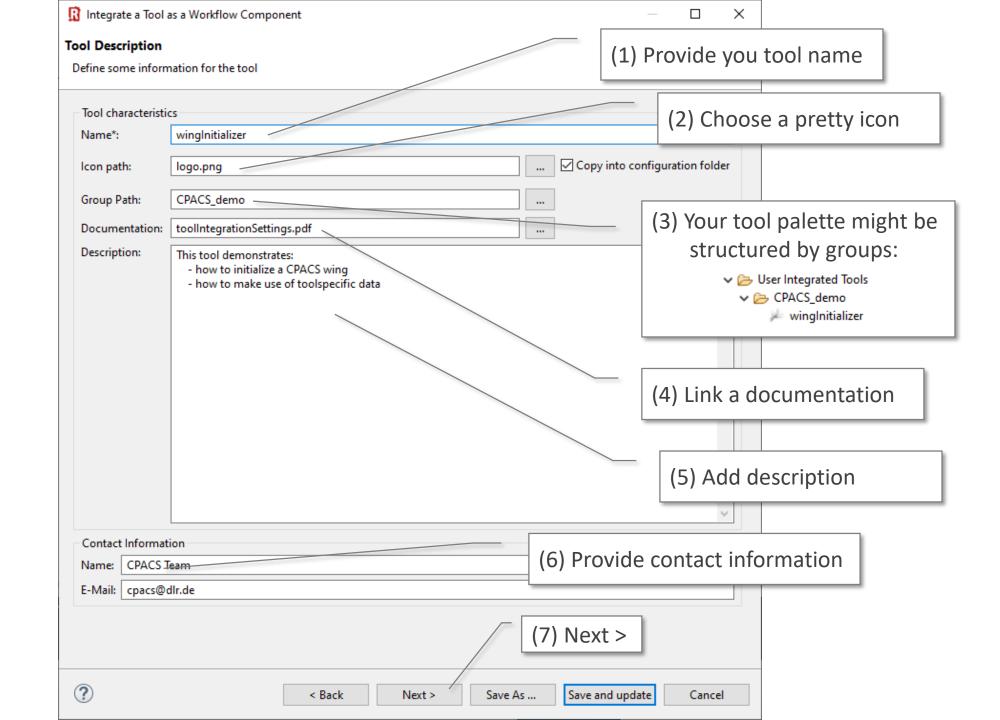
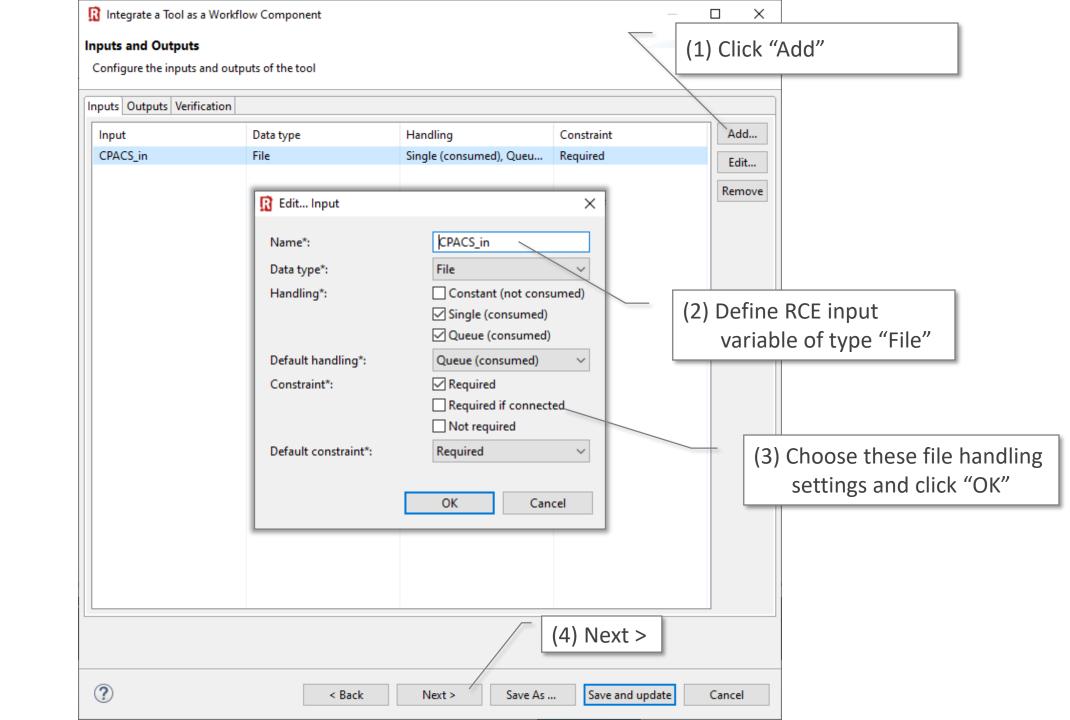
## RCE tool integration

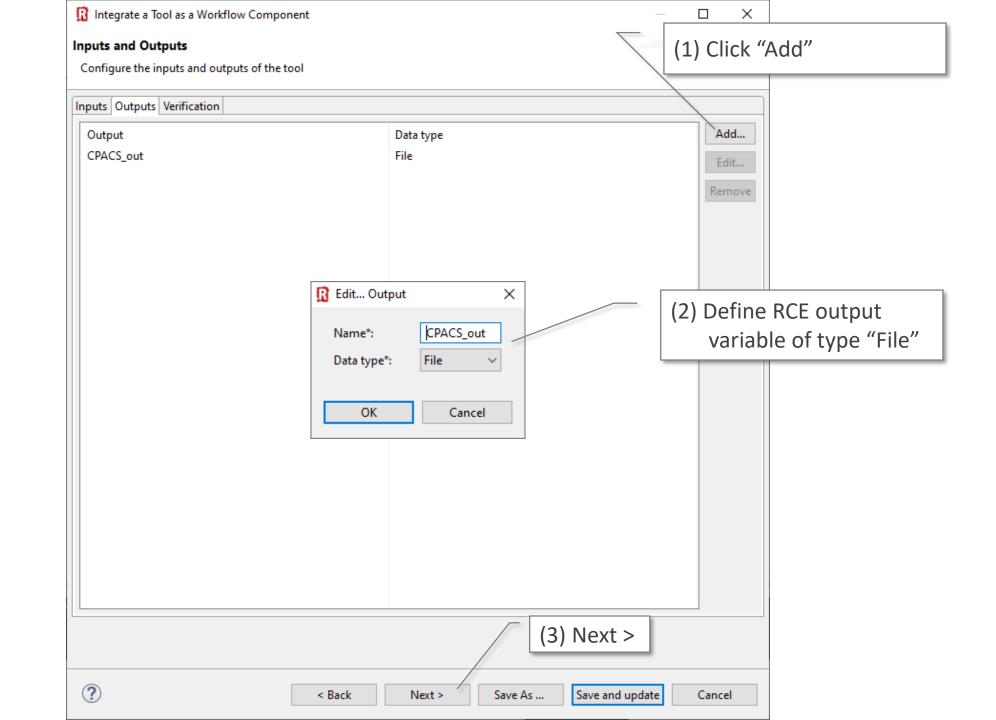
wingInitializer

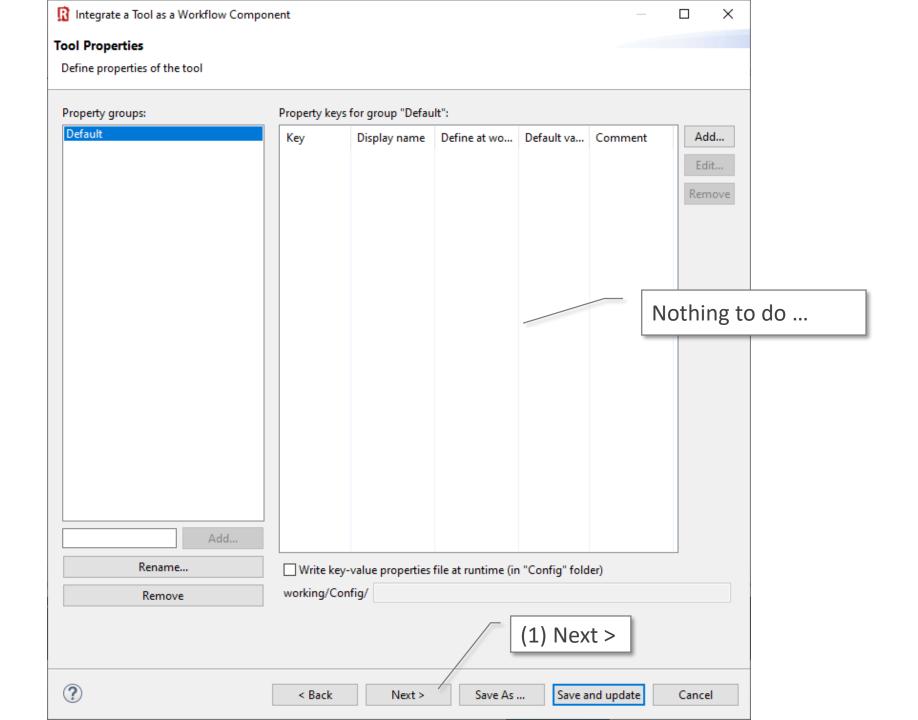


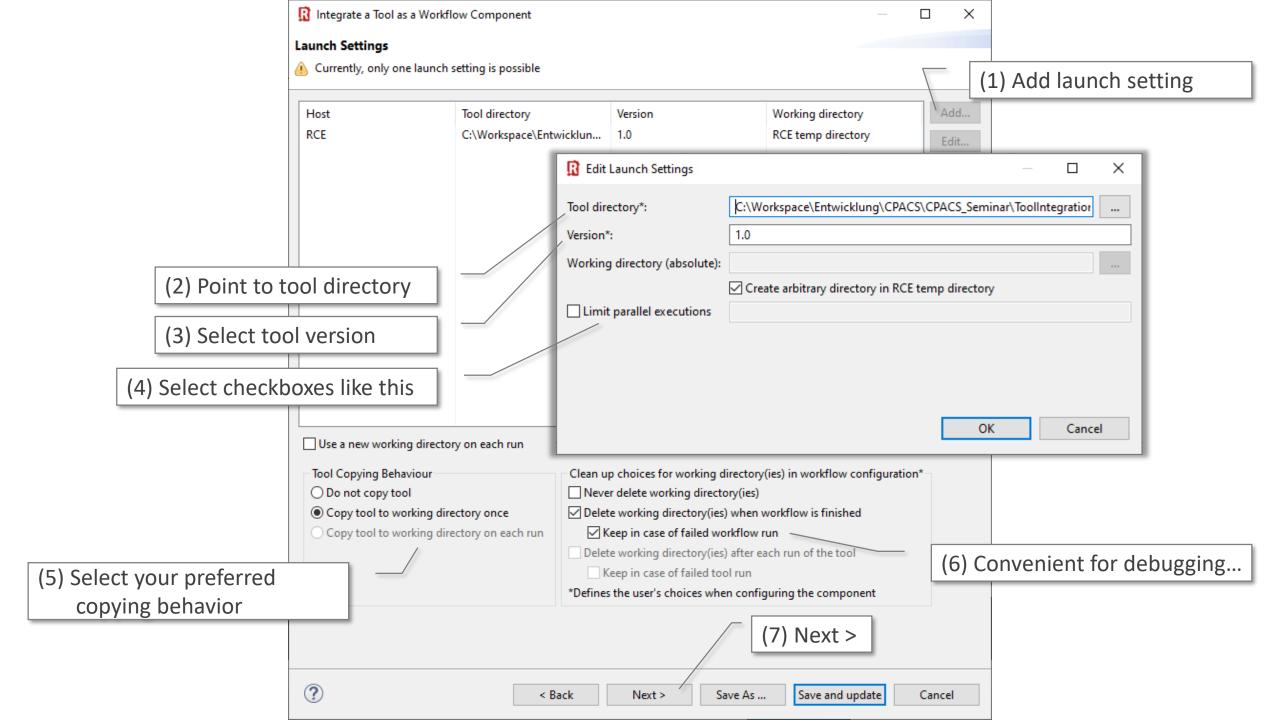








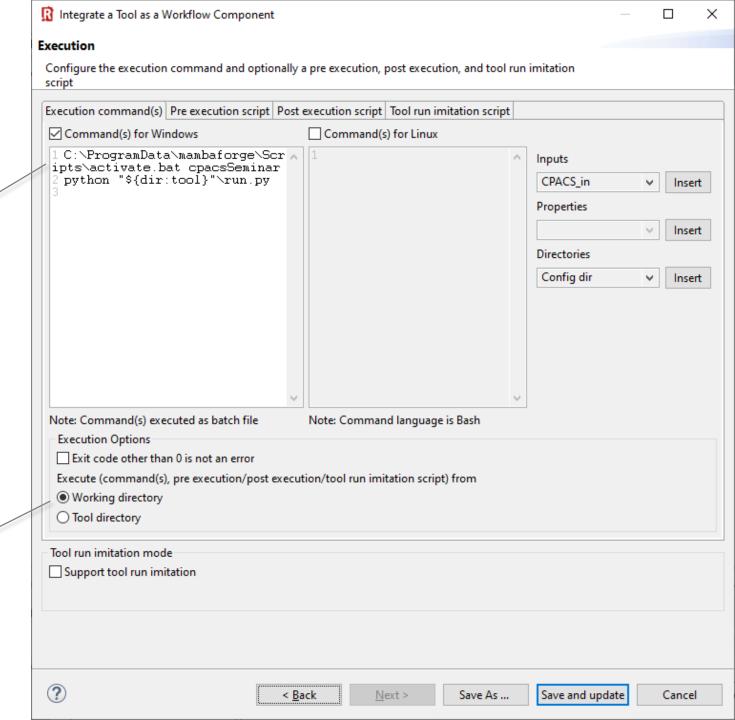




C:\ProgramData\mambaforge\Scripts\activate.bat
cpacsSeminar
python "\${dir:tool}"\run.py

- (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

cpacsIOName = "cpacsIO" # CPACS input/output
toolIOName = "toolIO" # Additional tool input/output

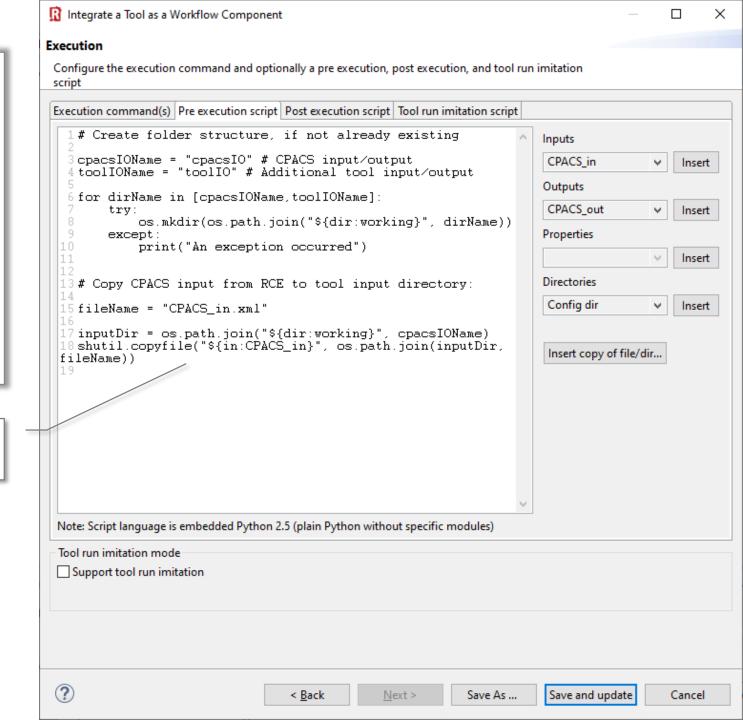
for dirName in [cpacsIOName, toolIOName]:
    try:
        os.mkdir(os.path.join("${dir:working}", dirName))
    except:
        print("An exception occurred")

# Copy CPACS input from RCE to tool input directory:
fileName = "CPACS_in.xml"

inputDir = os.path.join("${dir:working}", cpacsIOName)
shutil.copyfile("${in:CPACS_in}", 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 = "cpacsIO"
fileName = "CPACS_out.xml"

${out:CPACS_out} = os.path.join("${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

