

WvW/Installation Simulator
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Installation of the research simulator software

Please follow the next steps to install the research simulator software when for some reason it is not possible or desirable to have a remote TeamViewer session during which Carnetsoft does the installation of the software on your simulator computer. In the examples referred to here, Windows Explorer is used.

When a new installation is ready you receive a set of download links via email.

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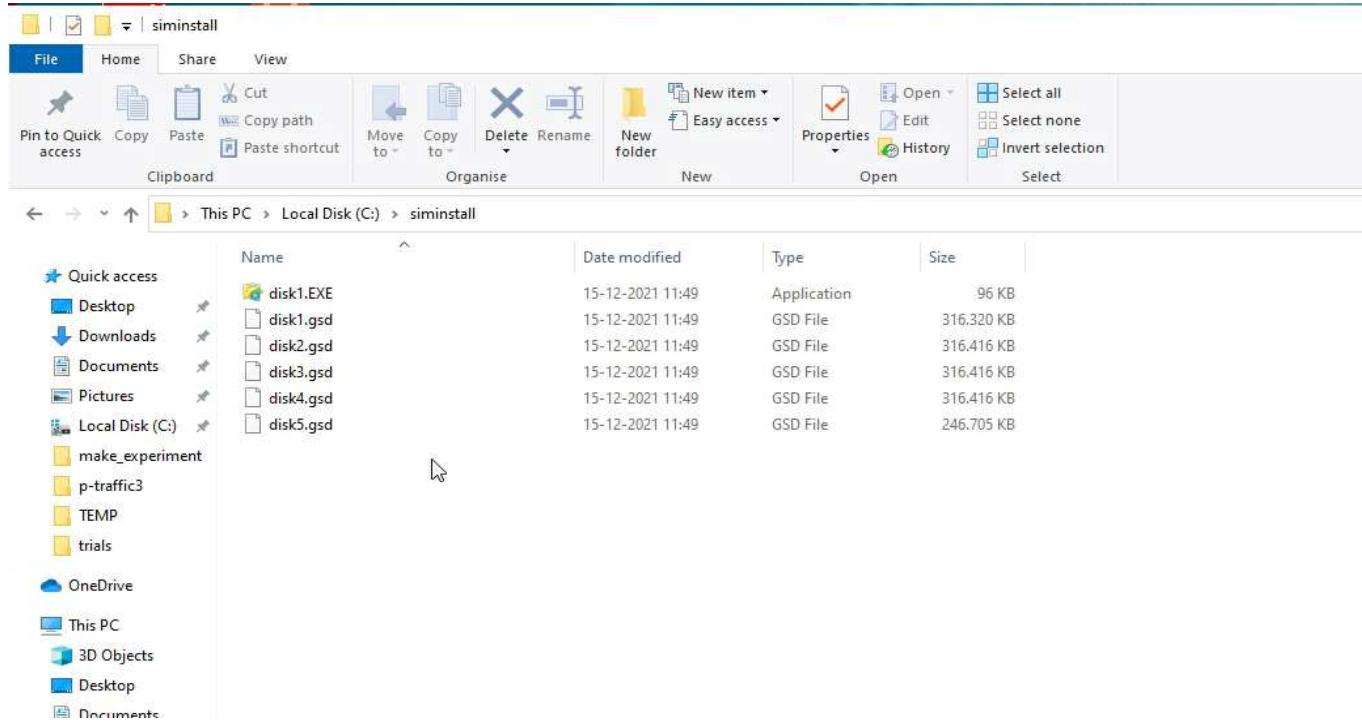
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MAKE DRIVESIM3 FOLDER

Create a c:\DriveSim3 folder

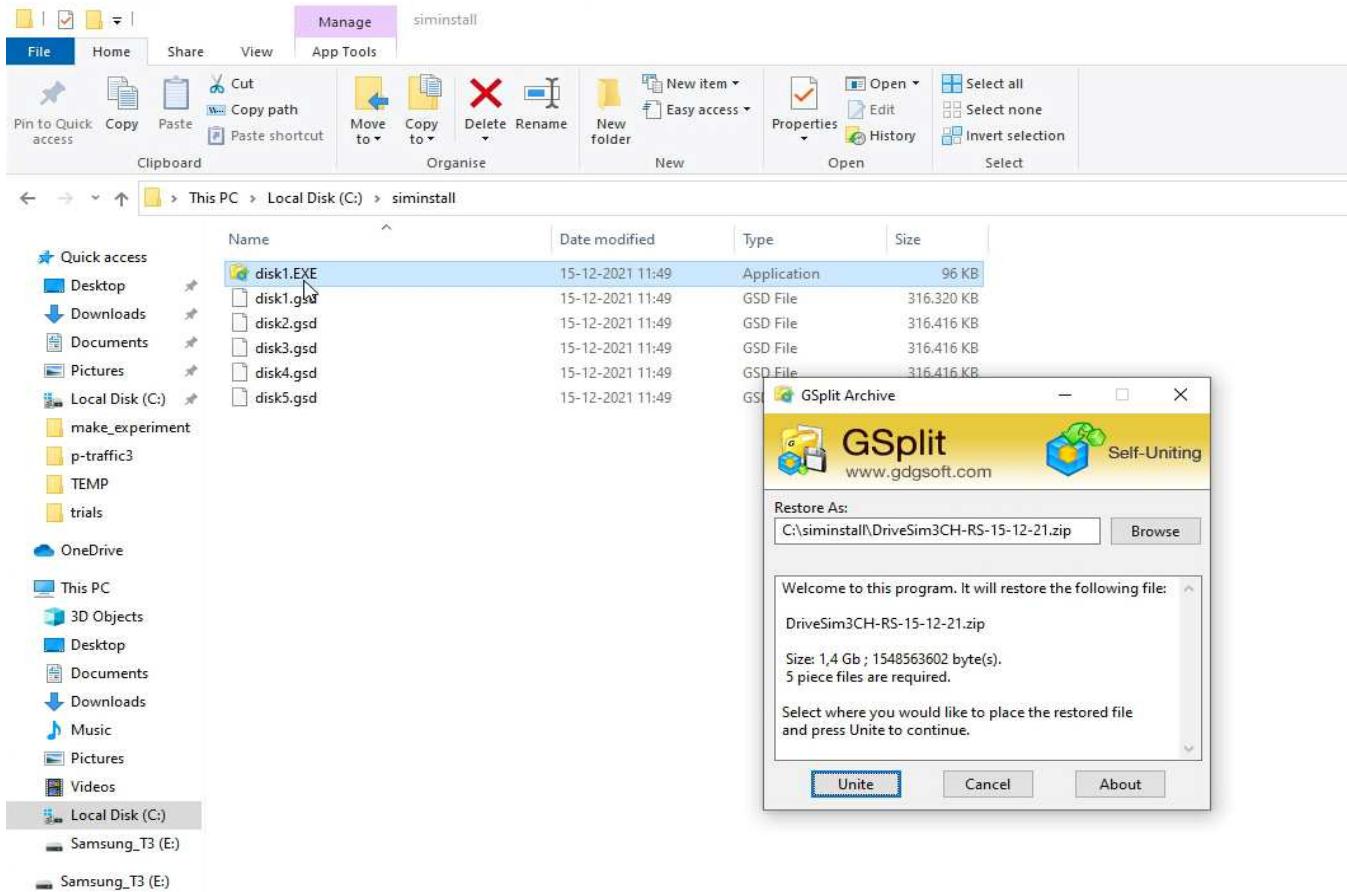
1) Copy the installation files to a folder on your computer

In the next figure, this has been done to the folder c:\siminstall. The installation files are named disk1.EXE, disk1.gsd, disk2.gsd, disk3.gsd, disk4.gsd and disk5.gsd.



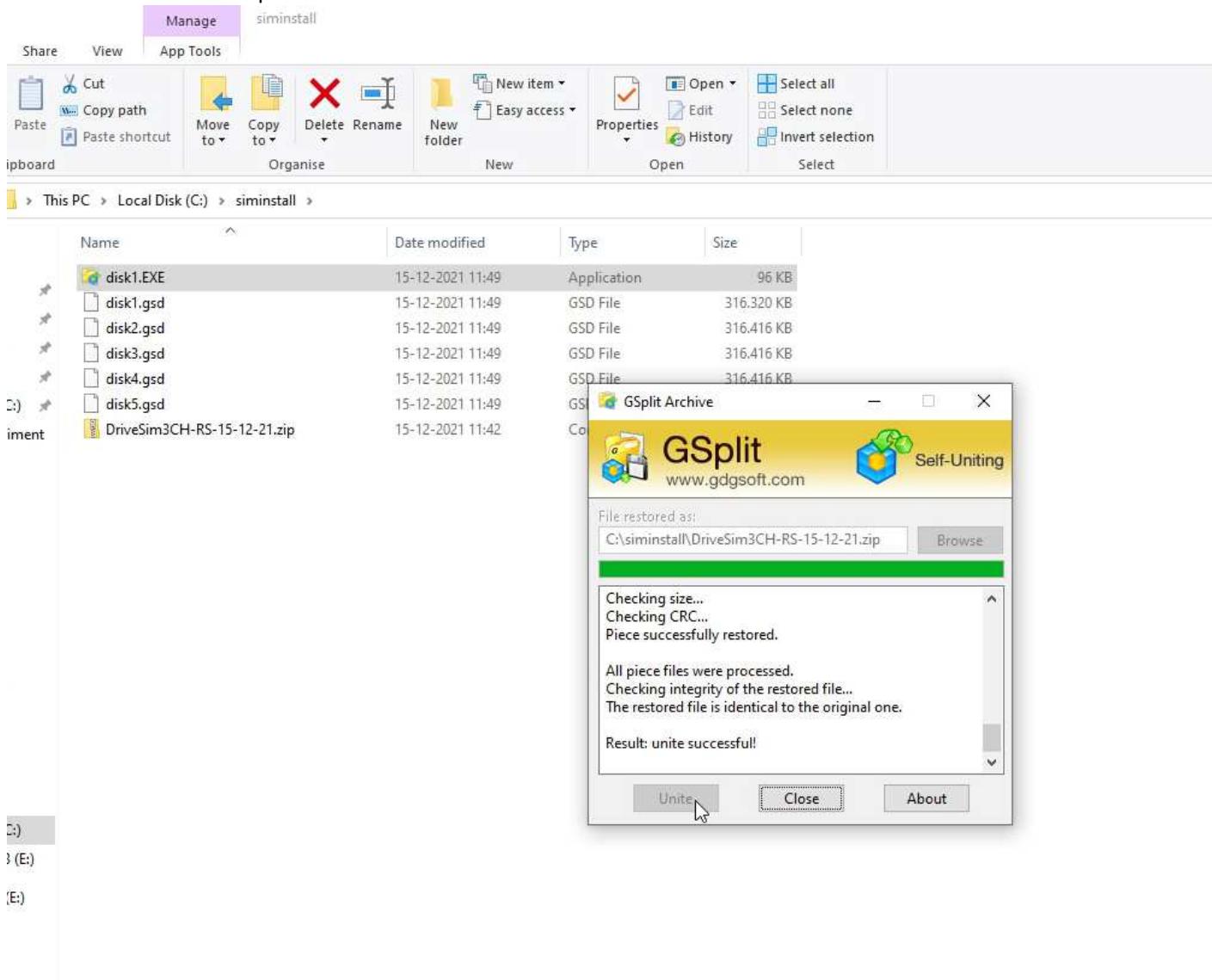
2) Double-click on disk1.EXE

Now the program GSplit assembles the *.gsd files into one big zip file, in this example DriveSim3CH-RS-15-12-21.zip, but it will be a file made specially for you and the name is DriveSim3<country>-RS-<date>.zip.



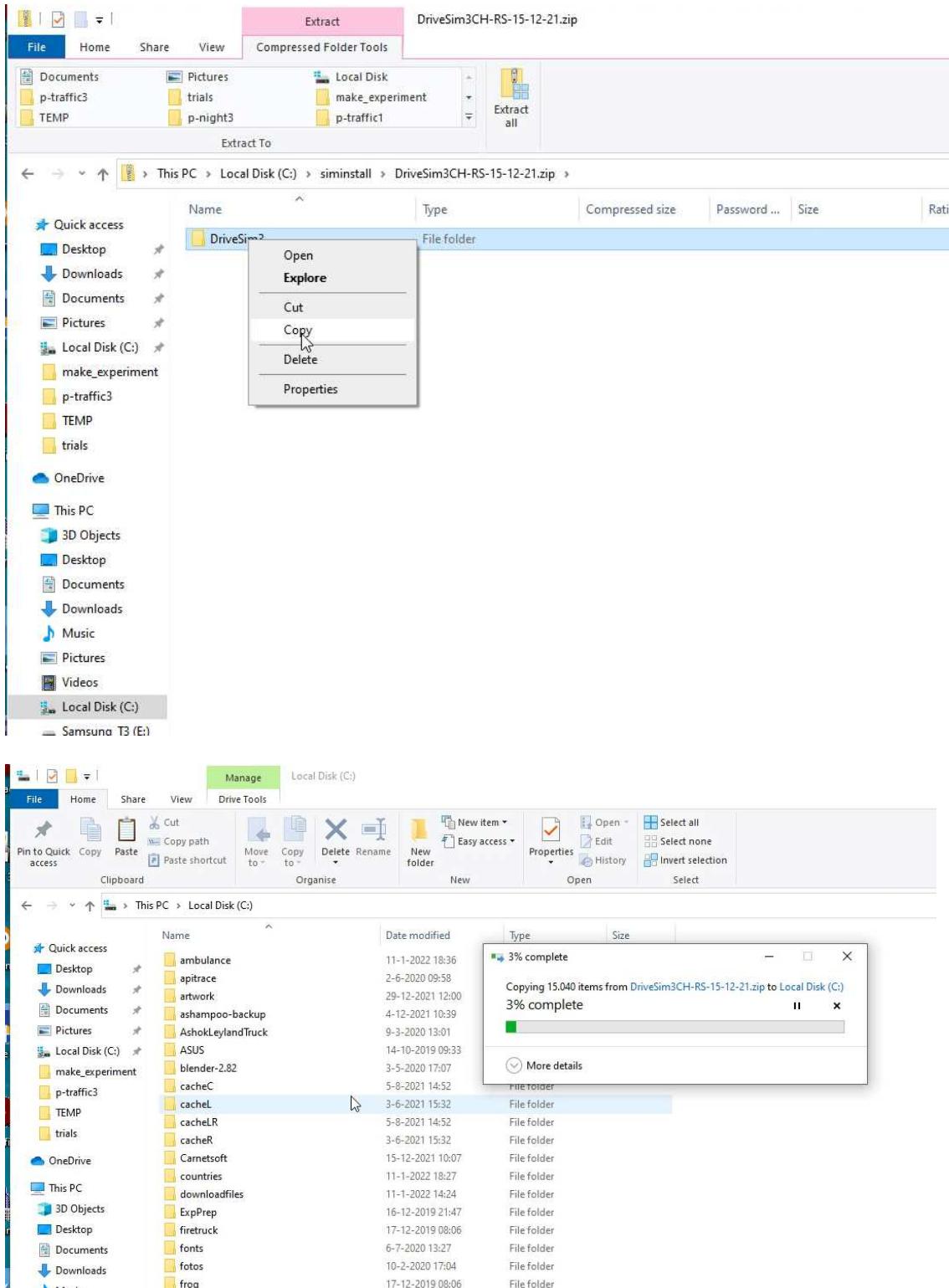
3) Press the <Unite> button and to create the *.zip file

After that a new file **.zip is created.



4) Copy the DriveSim3 folder within the *.zip file to c:

After these actions there must be a new c:\DriveSim3 folder.

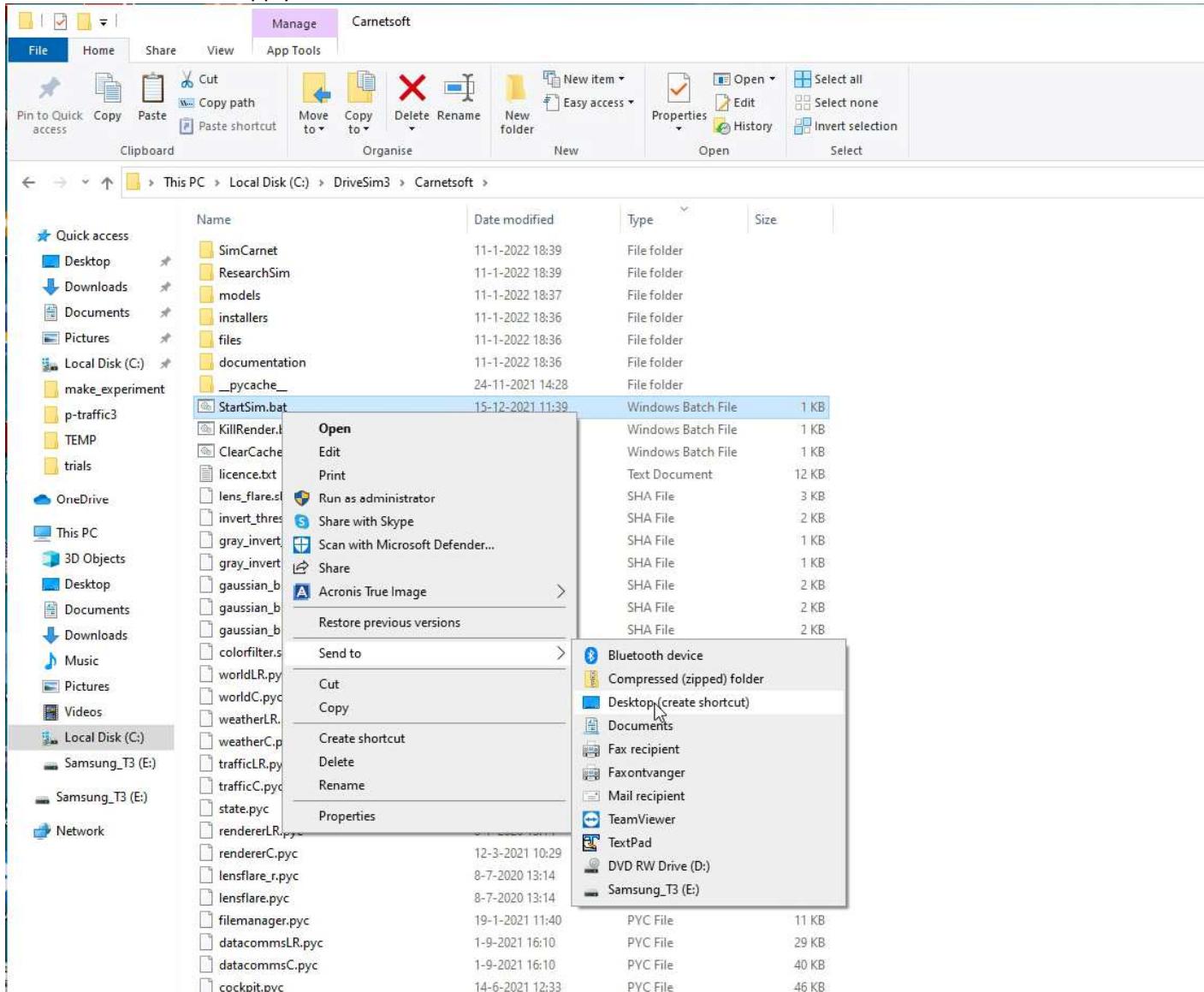


INSTALL RUNTIME LICENCE

Make Desktop icons for the runtime licence executables

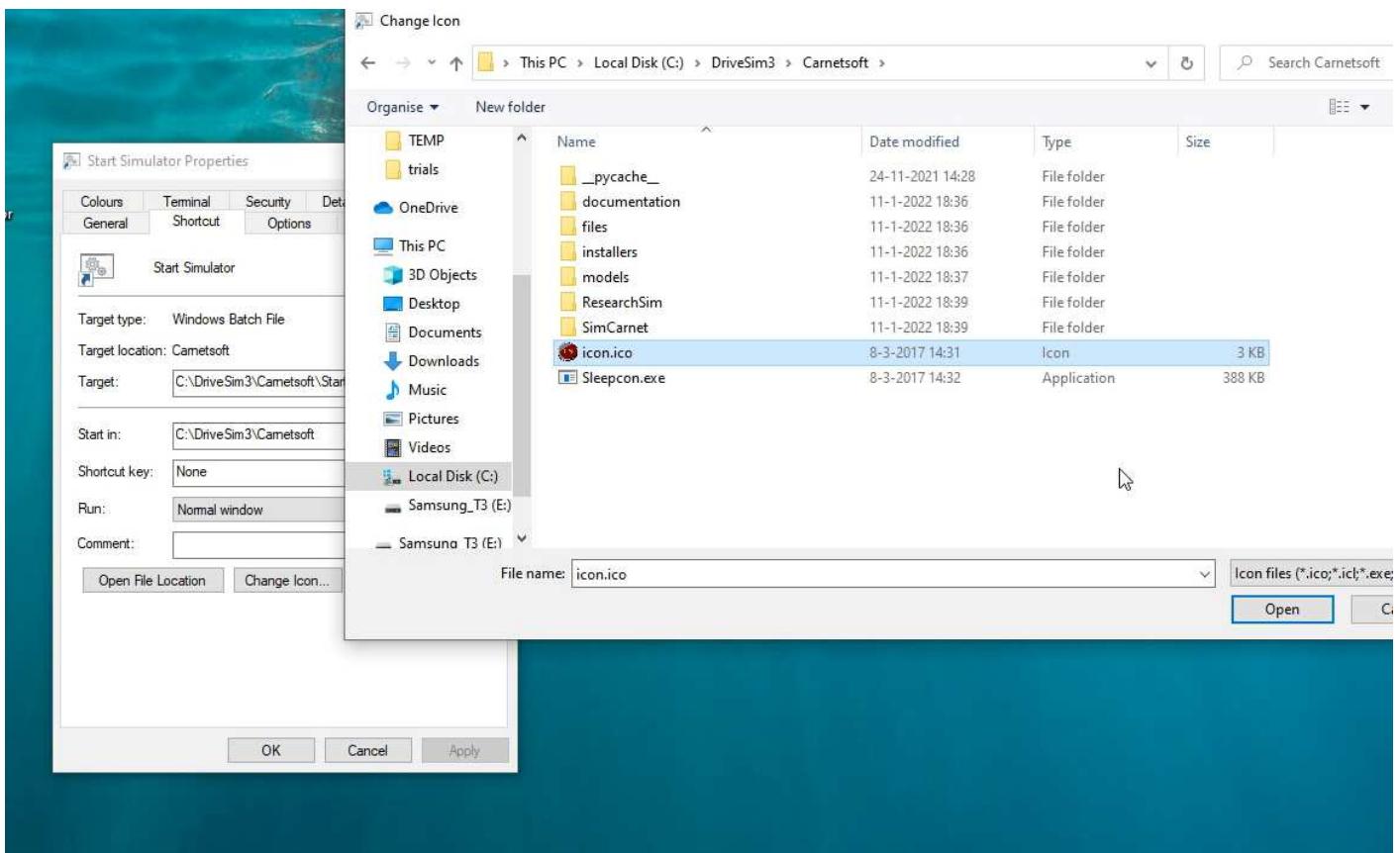
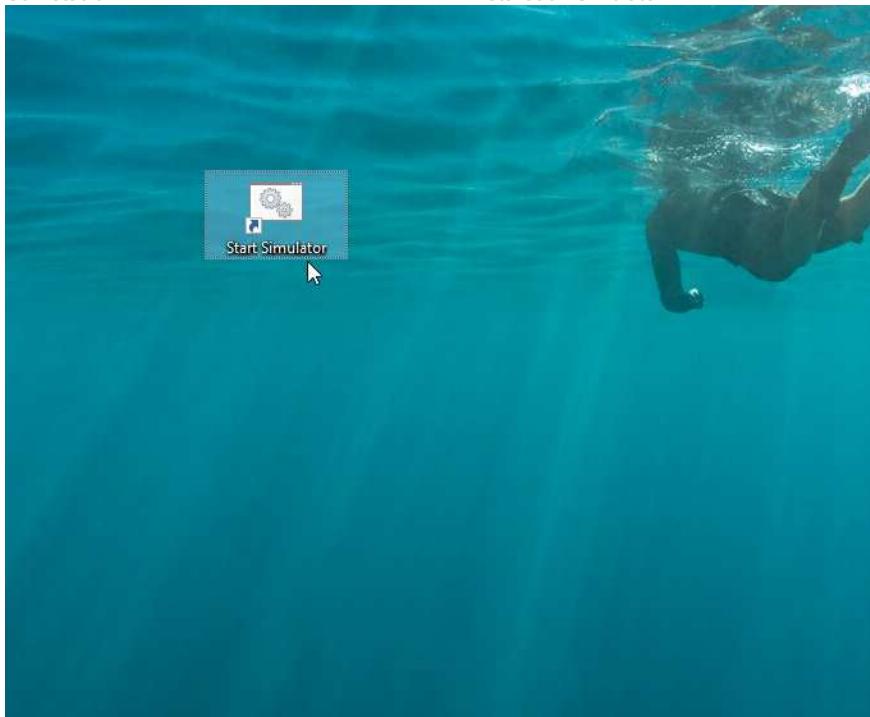
5) Make a desktop icon the batch file to start the simulator

The file c:\DriveSim3\Carnetsoft\StartSim.bat starts the simulator, so we have to make a desktop icon for that file to start the simulator and apply the Carnetsoft icon.



Then apply the correct desktop icon:

- Right-click the desktop icon: Rename and rename into "Start Simulator"
- Right-click the desktop icon->Properties->Change Icon->search icon in the c:\DriveSim3\Carnetsoft folder and apply



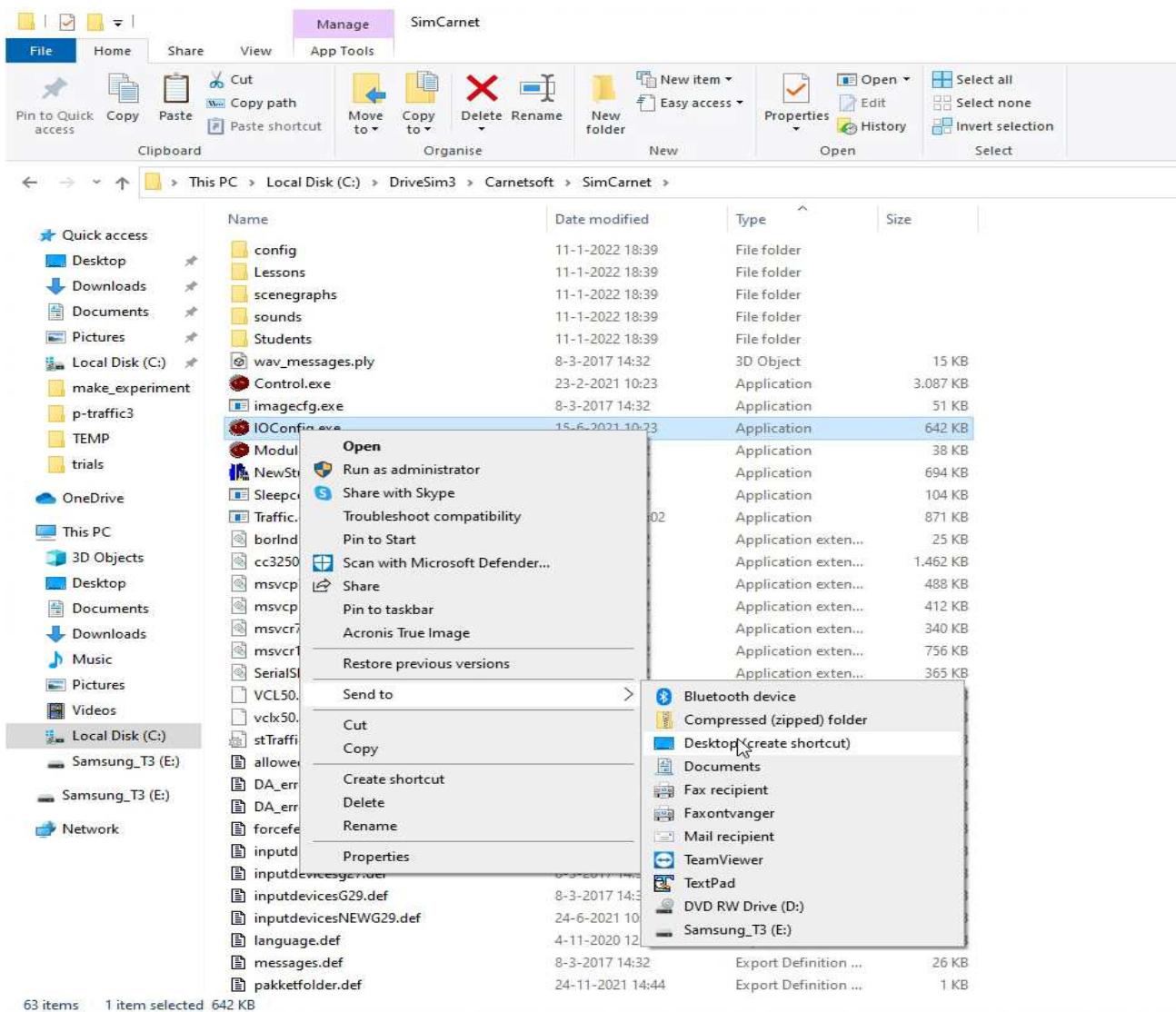
Then this will be the result:



6) Repeat this process for the other programs

c:\DriveSim3\Carnetsoft\SimCarnet\IOConfig.exe

c:\DriveSim3\Carnetsoft\SimCarnet\NewStudent.exe

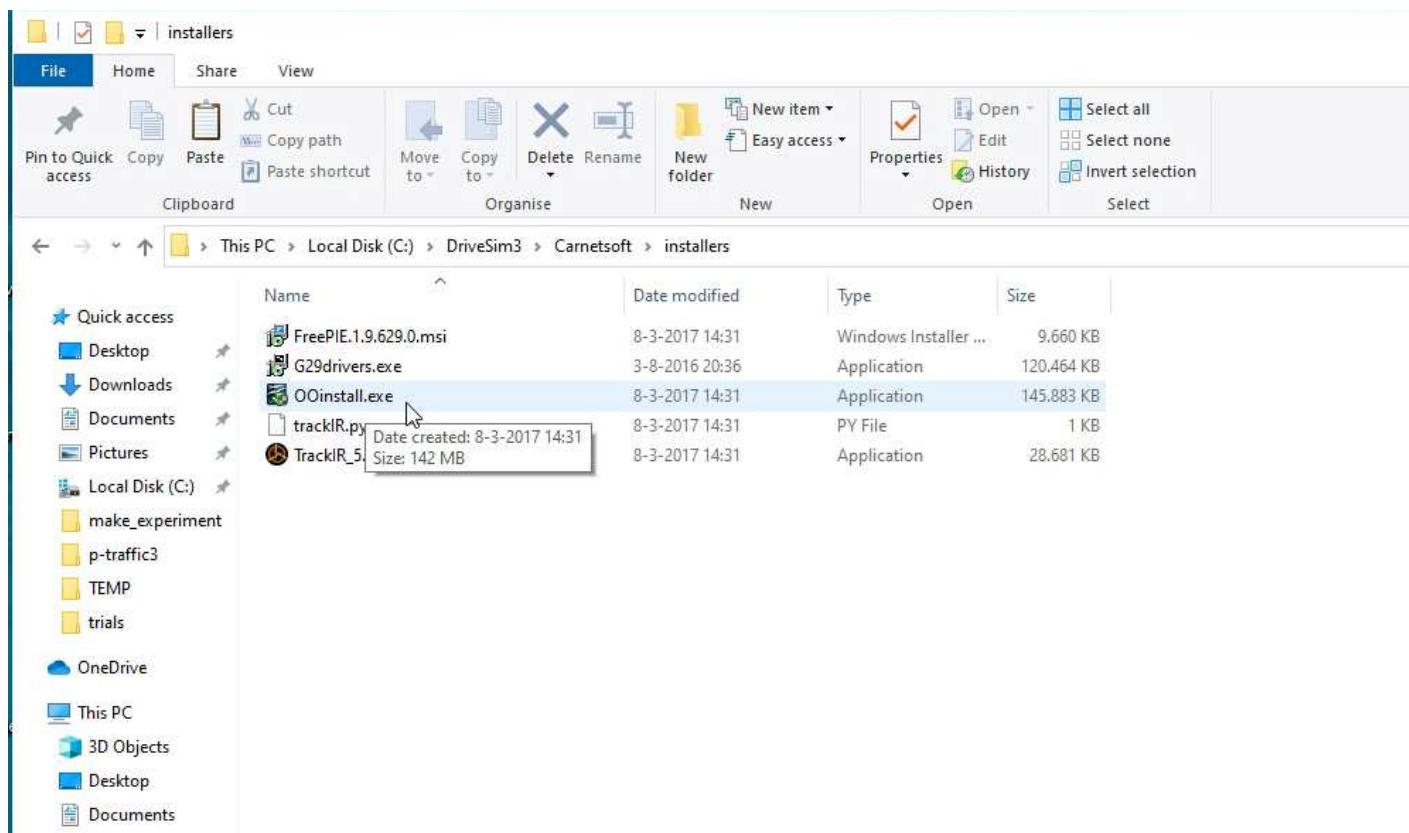


Install OpenOffice

OpenOffice is used for displaying and printing spreadsheets made by the system (for example the Student Assessment System for the driver training modules, the clinical modules etc. Make sure the version included in this installation is used, so disable the search for new updates, and make sure it is installed in the proper folder (see below).

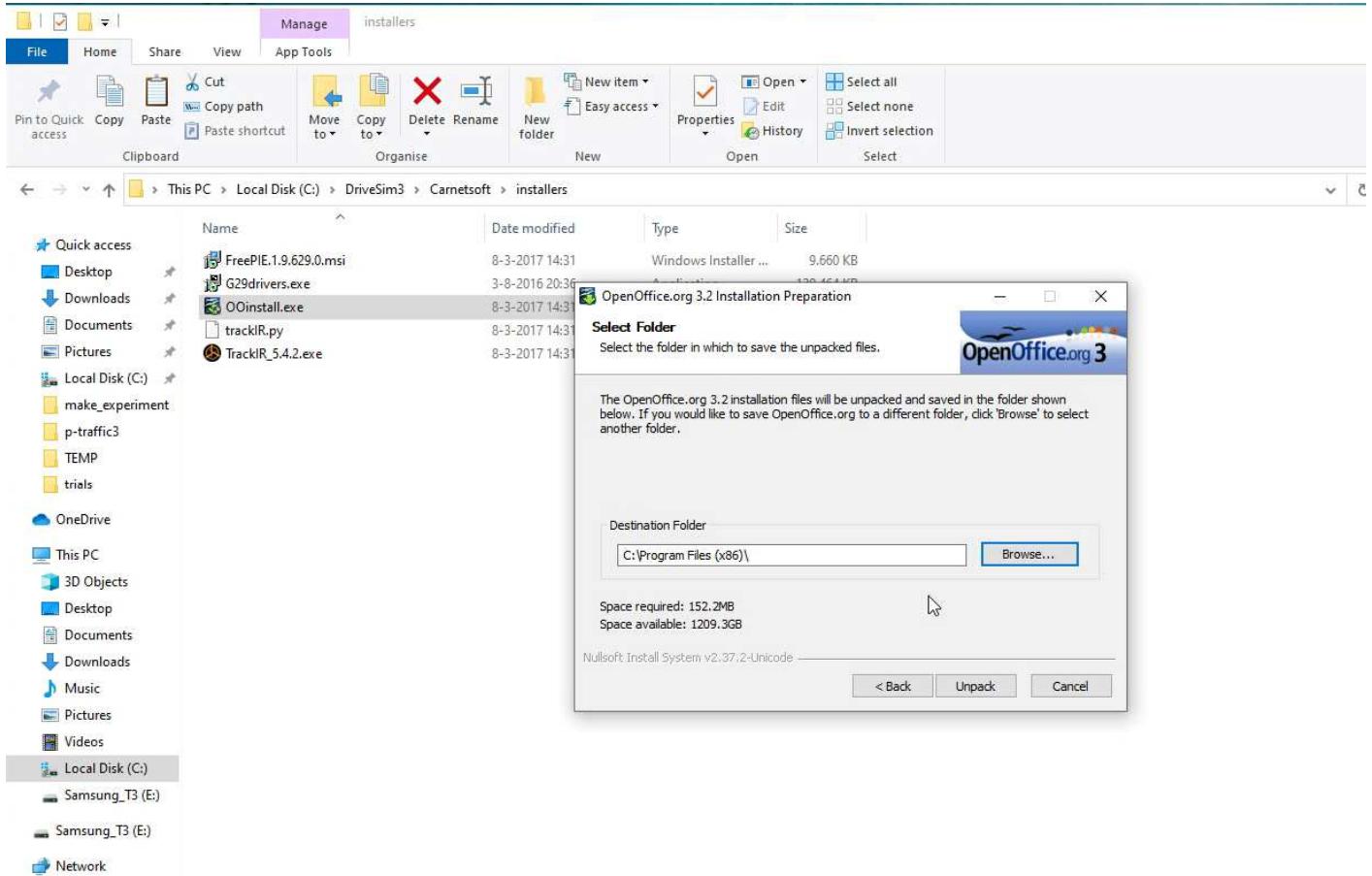
7) Install Open Office (correct version)

Go to c:\DriveSim3\Carnetsoft\installers\ and double-click OOInstall.exe to install OpenOffice



8) Install it in the correct folder

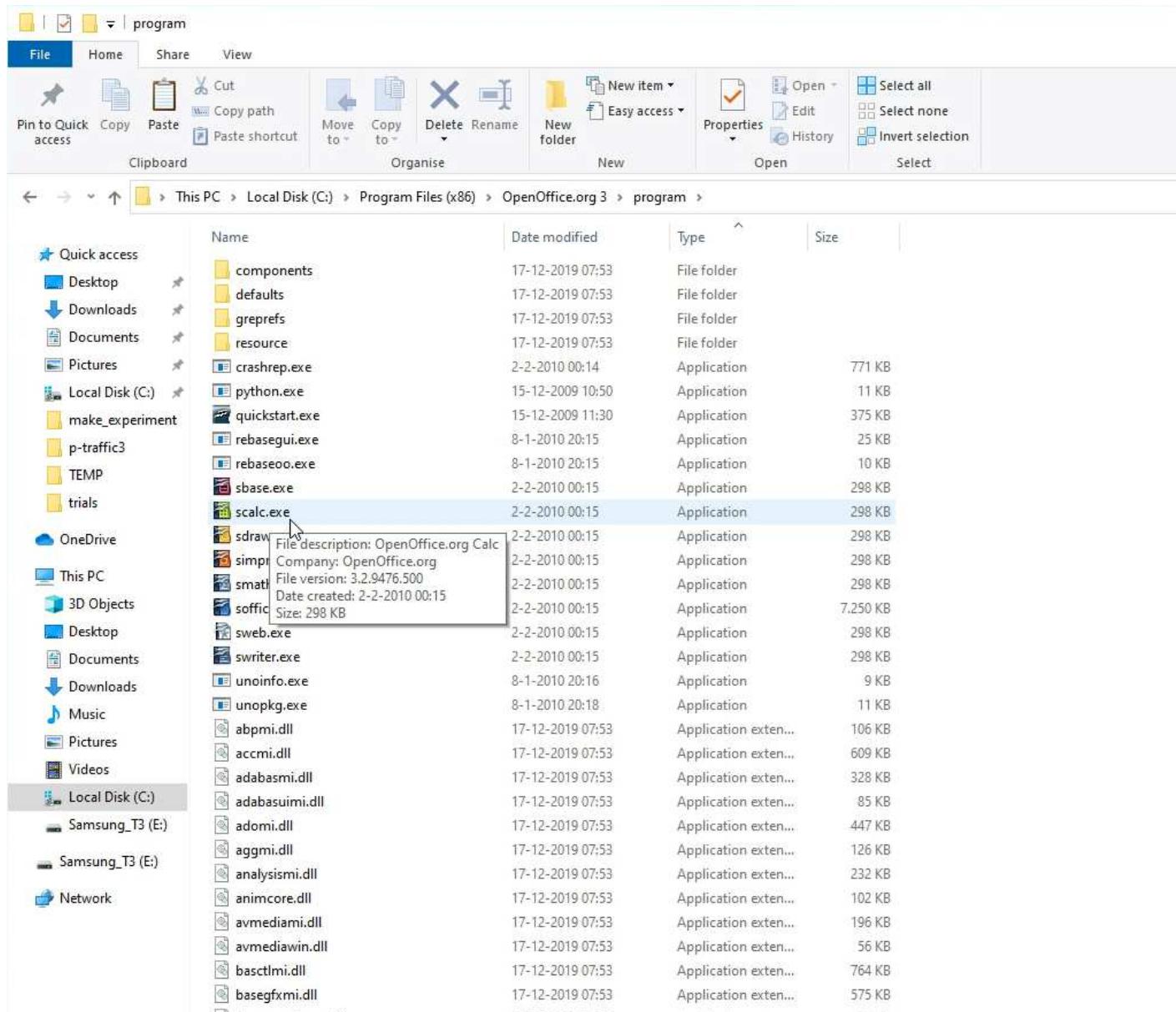
Do not install it in the default folder, but instead install OpenOffice in c:\Program Files (x86) because that is the folder where other program search for it.

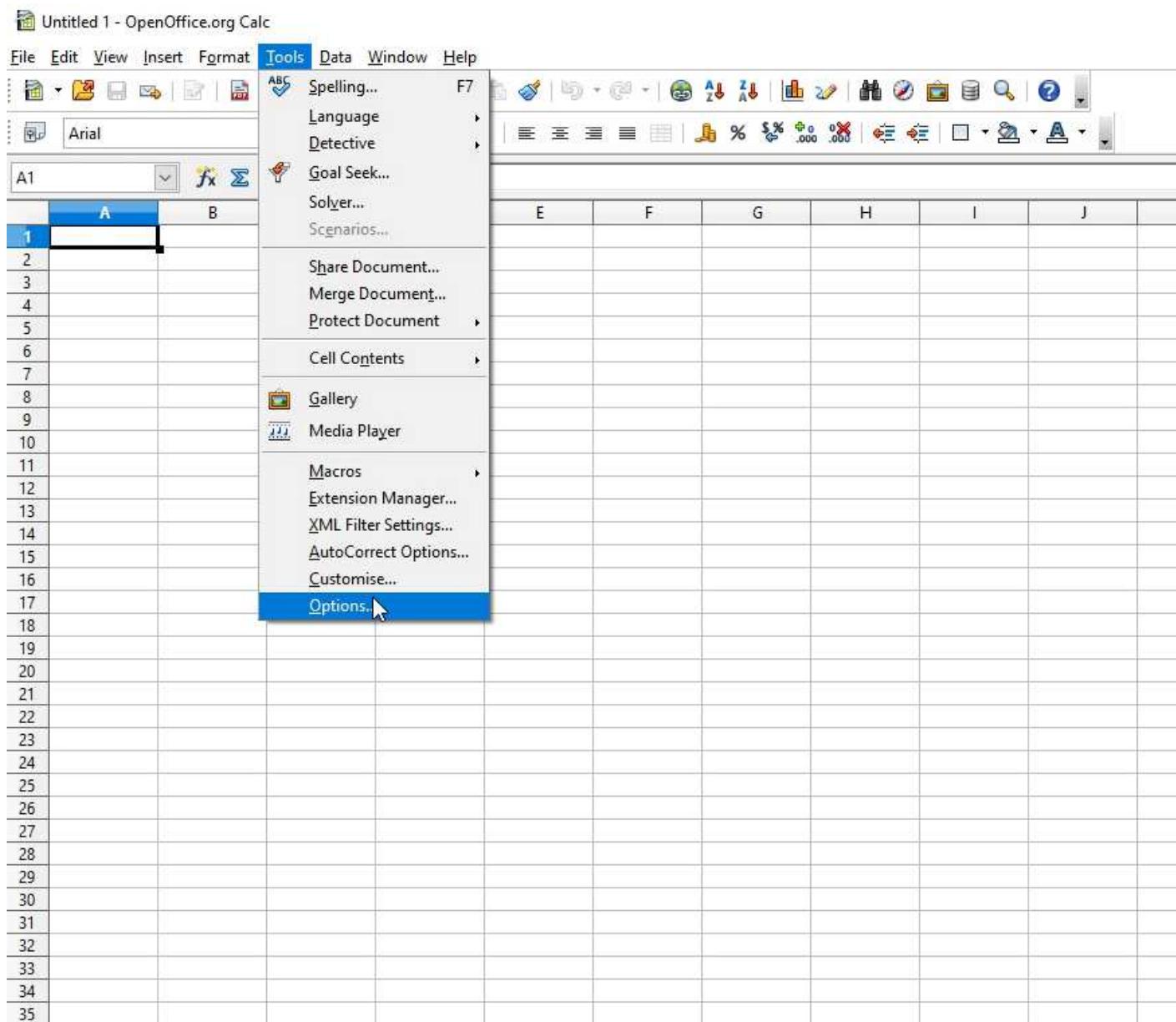


Disable the options to search for updates and **disable** the option to register OpenOffice.

9) Configure OpenOffice

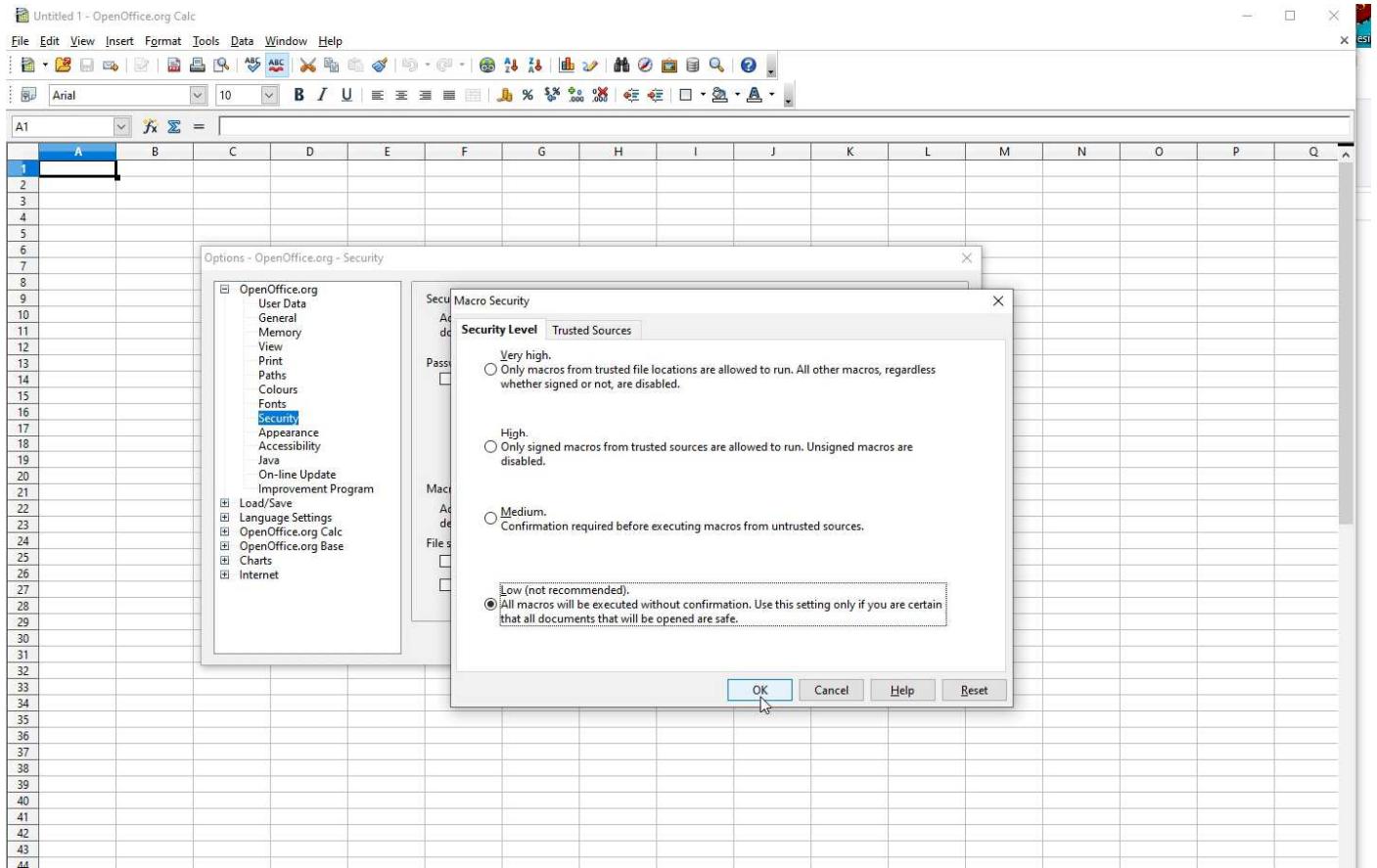
Go to and open c:\Program Files (x86)\OpenOffice 3\program\scalc.exe



10) Open Tools->Options

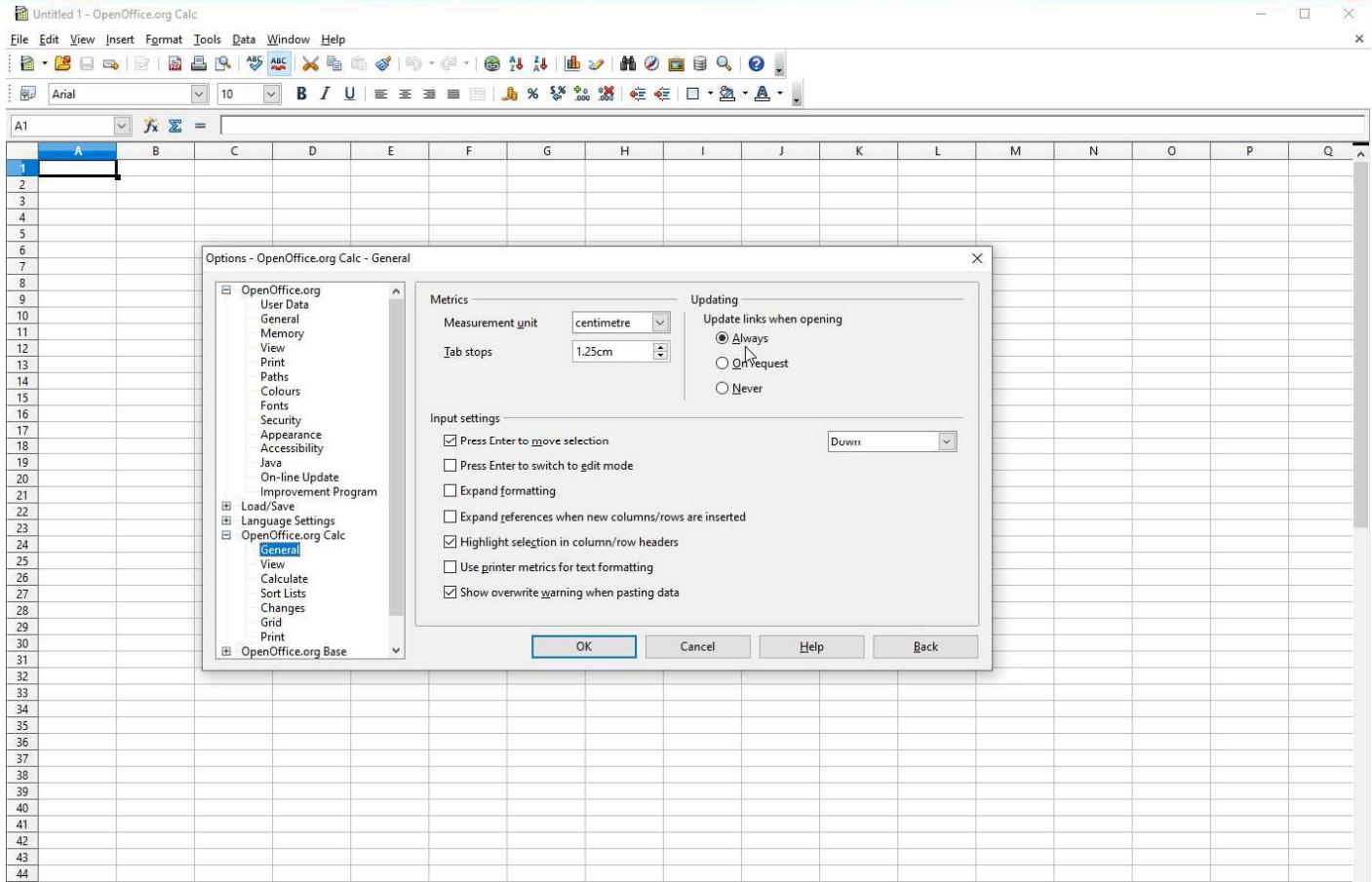
11) Set security settings

Set the security settings->Macro Security to Low and press the Okay button.



12) Set general settings

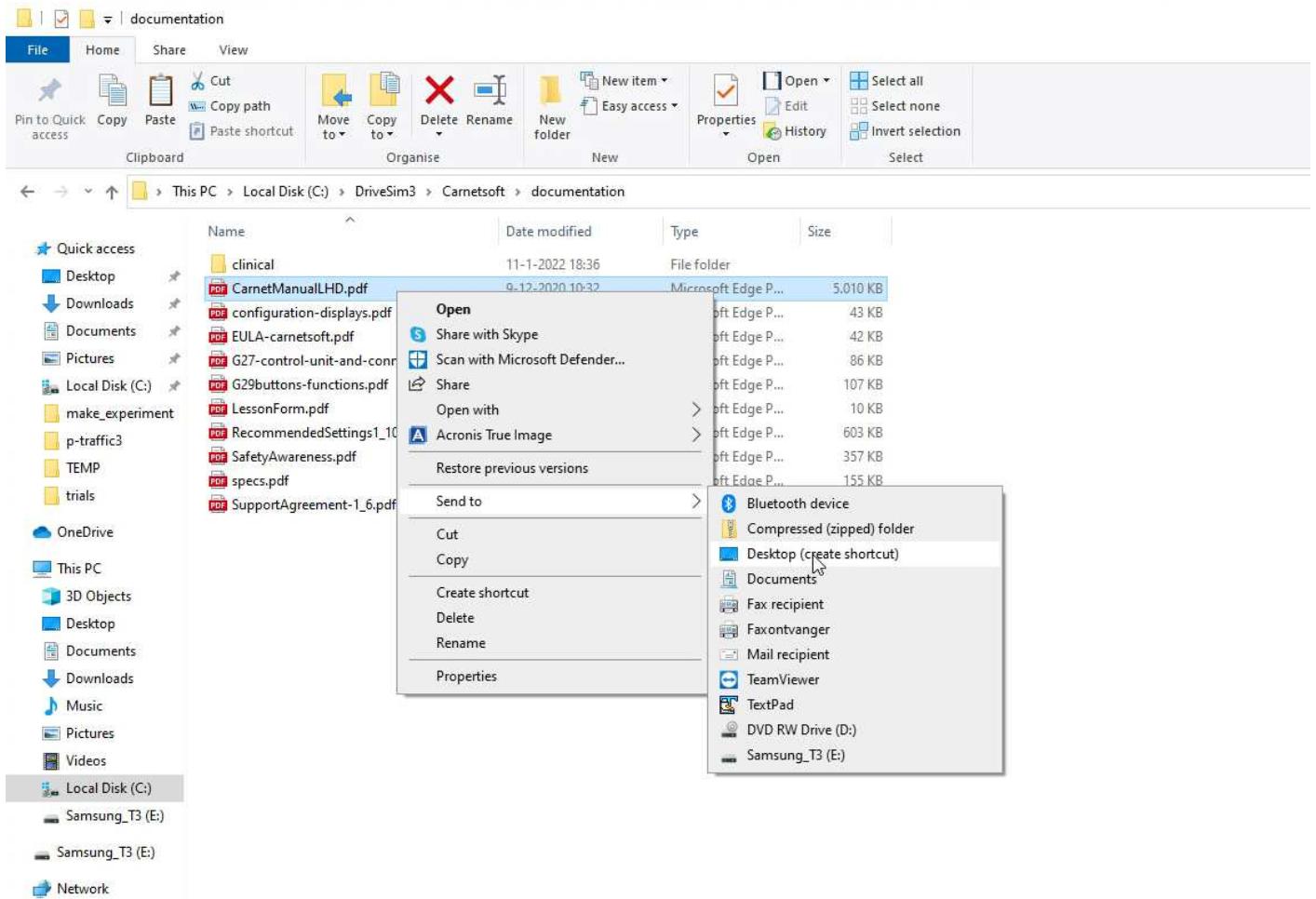
Set the OpenOffice.org Calc->General settings: Update Links when opening to Always.



Set Documentation icons

13) Make a desktop icon for the user manual

Make a desktop icon of the User Manual in c:\DriveSim3\Carnetsoft\documentation\CarnetManualLHD.pdf, and rename the icon into "Simulator Manual" or something similar. Please check the user manual, also when you need things in IOConfig.

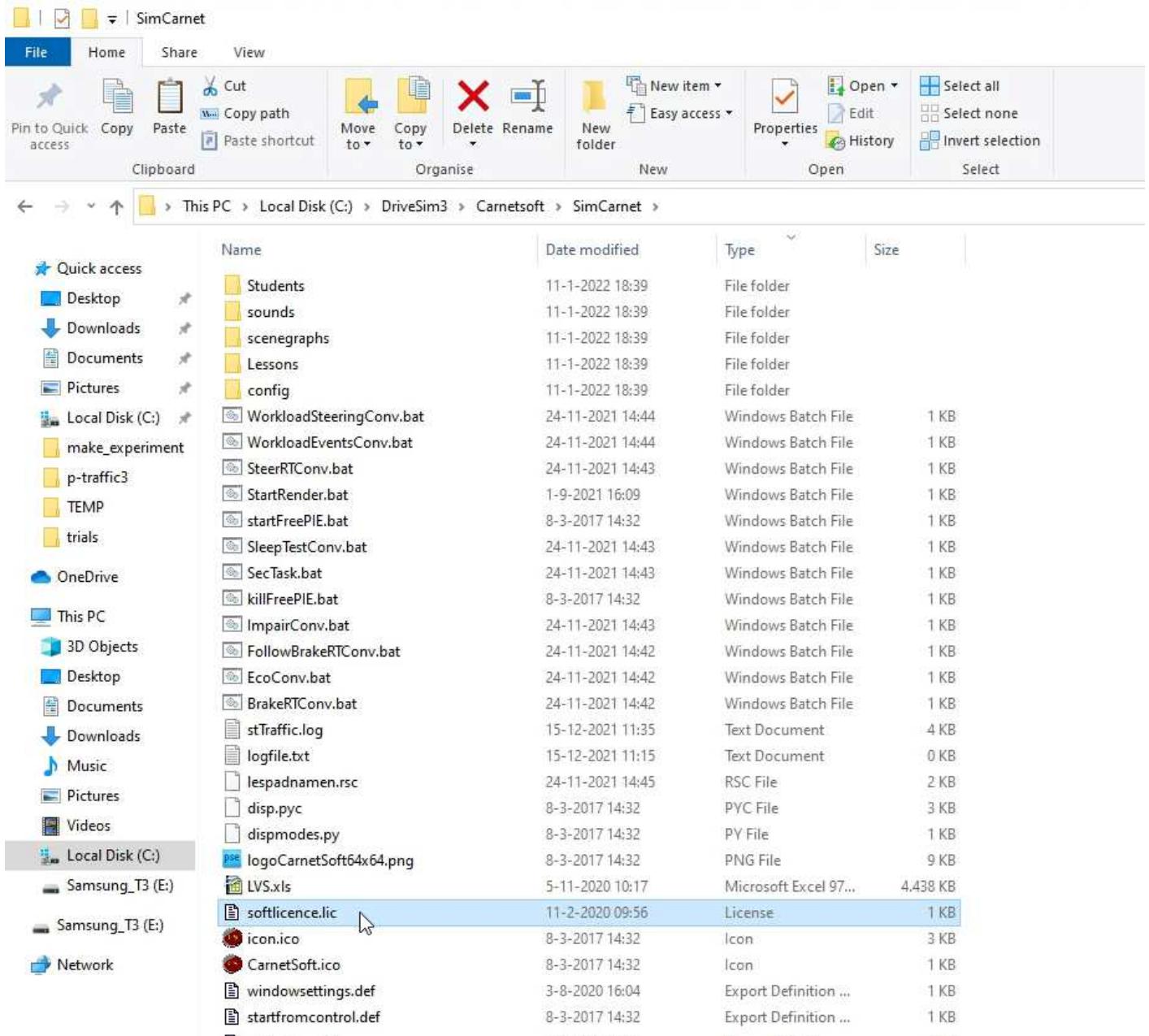


You can do the same for the in c:\DriveSim3\Carnetsoft\documentation folder.

Activate licence

14) Add licence file to proper folder

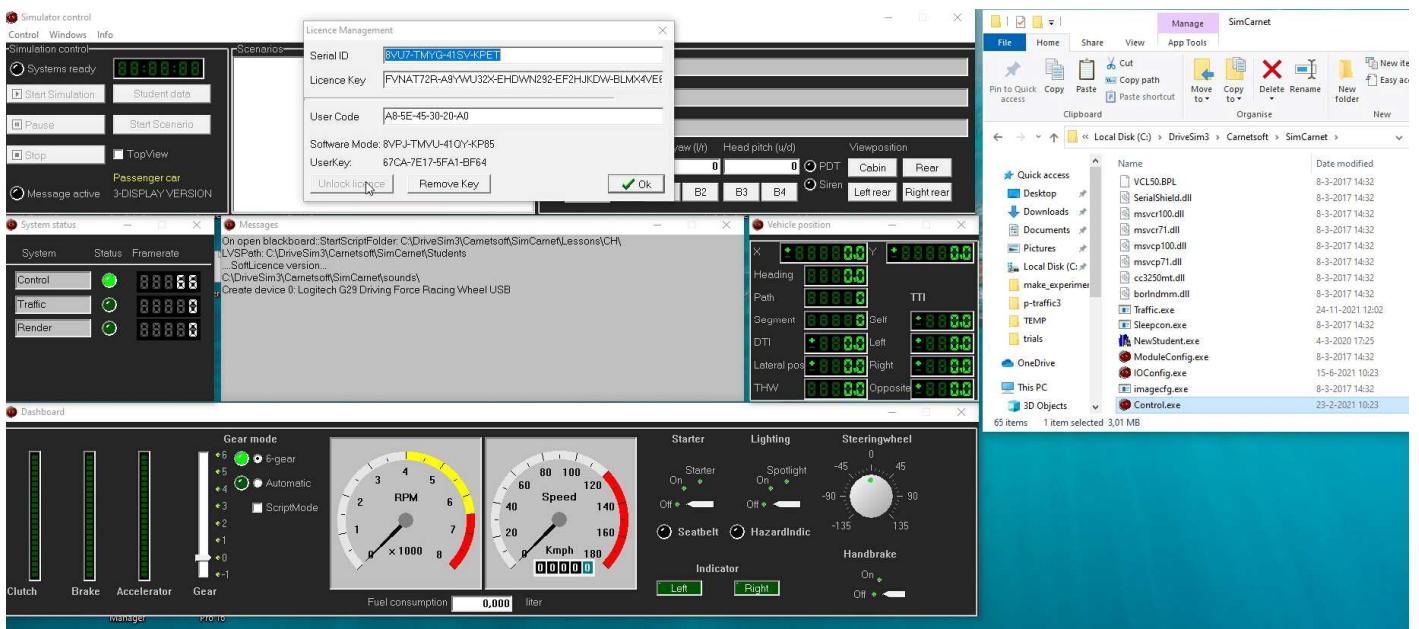
Make sure the licence file (softlicence.lic) that you have received is added to the folder c:\DriveSim3\Carneftsoft\SimCarnet.



15) Activate the licence

Activate the licence by doing the following:

- double click on c:\DriveSim3\Carnetsoft\SimCarnet\control.exe
- a Licence Management dialog pops up
- click the <Unlock Licence> button
- You should now see a message saying "Software unlocked" and press the <Ok> button
- press the <Ok> button of the licence management dialogue
- Close the control.exe program by pressing the X in the top-right corner (Terminate Program? Yes)



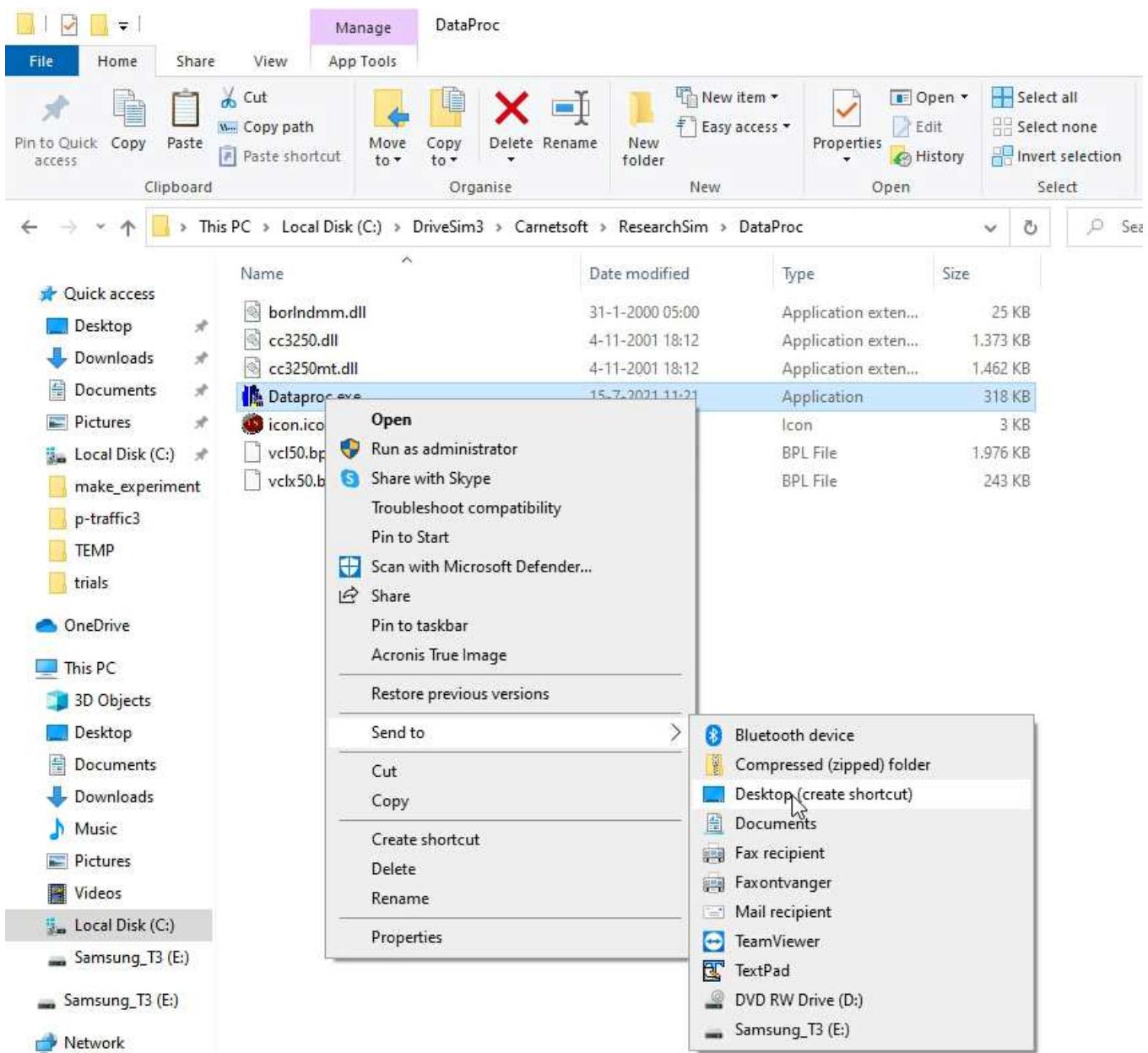
INSTALL RESEARCH SIMULATOR SOFTWARE

Add desktop icons

16) Add desktop icons for DataProc, ExpPrep and RoadDesign

Go to c:\DriveSim3\Carnetsoft\ResearchSim\DataProc\ and right-click DataProc.exe and make a desktop icon. Change the name and replace the icon as before by searching for the icon.ico file (see step 5). Do the same for

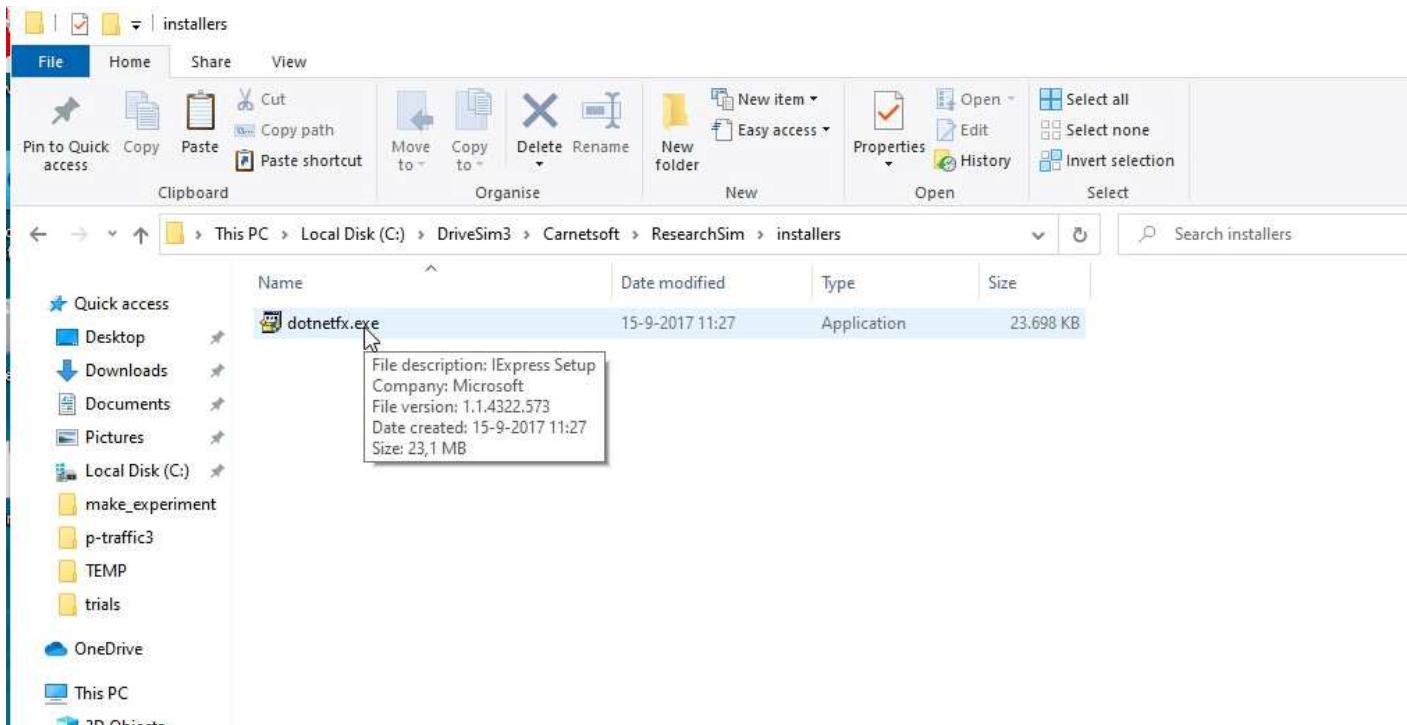
- c:\DriveSim3\Carnetsoft\ResearchSim\ExpPrep\ExpPrep.exe (name ExpPrep)
- c:\DriveSim3\Carnetsoft\ResearchSim\RoadDesign\RroadToolVC.exe (name RoadDesign or RoadTool)



17) Test RoadDesign

Double-click on c:\DriveSim3\Carnetsoft\ResearchSim\RoadDesign\RoadToolVC.exe or click on the desktop icon of RoadDesign and see if the program comes up. If it generates an error and the program fails to pop up the do the following:

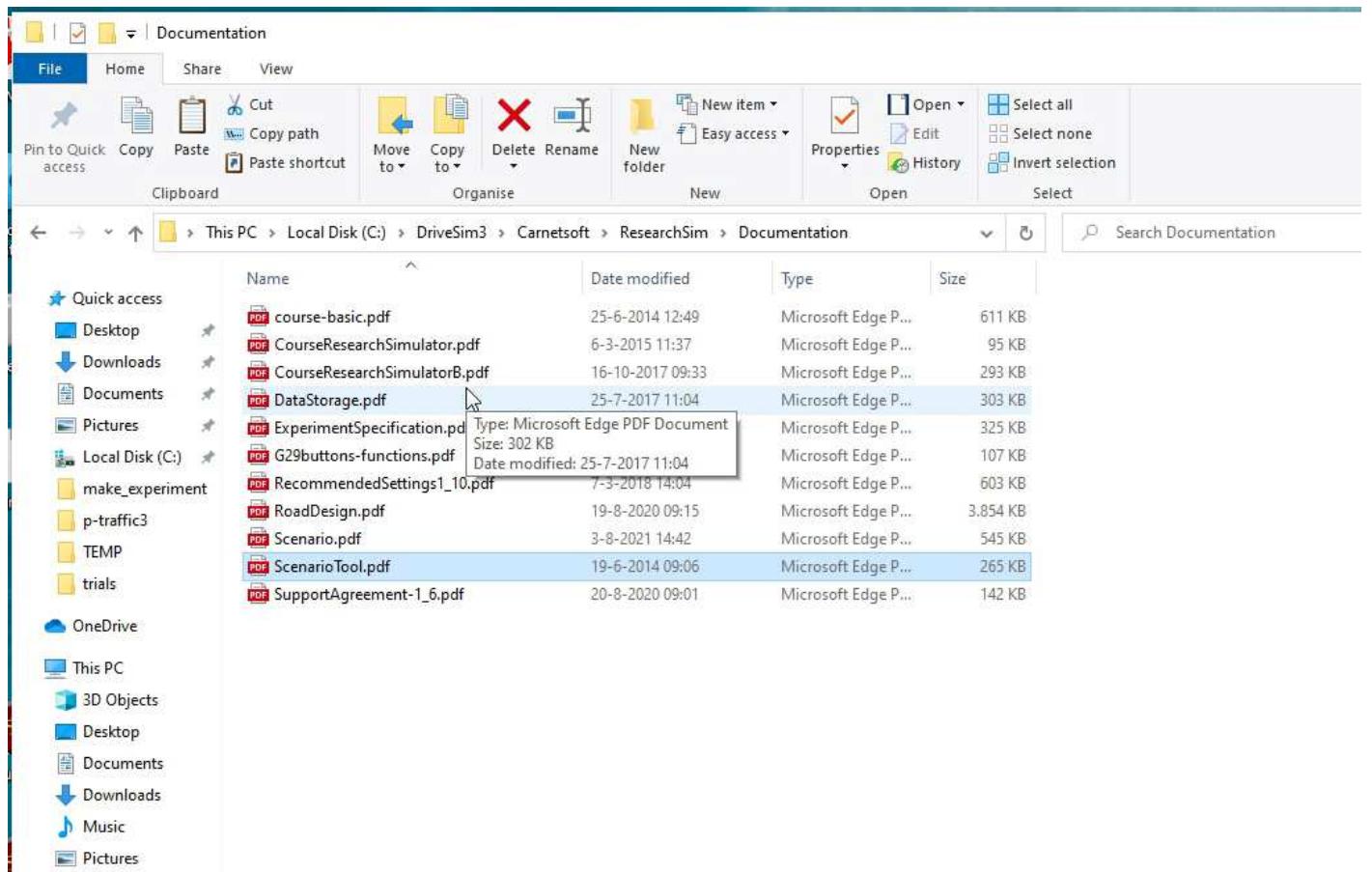
- Go to c:\DriveSim3\Carnetsoft\ResearchSim\installers and double-click op dotnetfx.exe
- and install the dotnet extensions
- check if RoadDesign now works.



Add icons for the research simulator documentation

18) Add icons

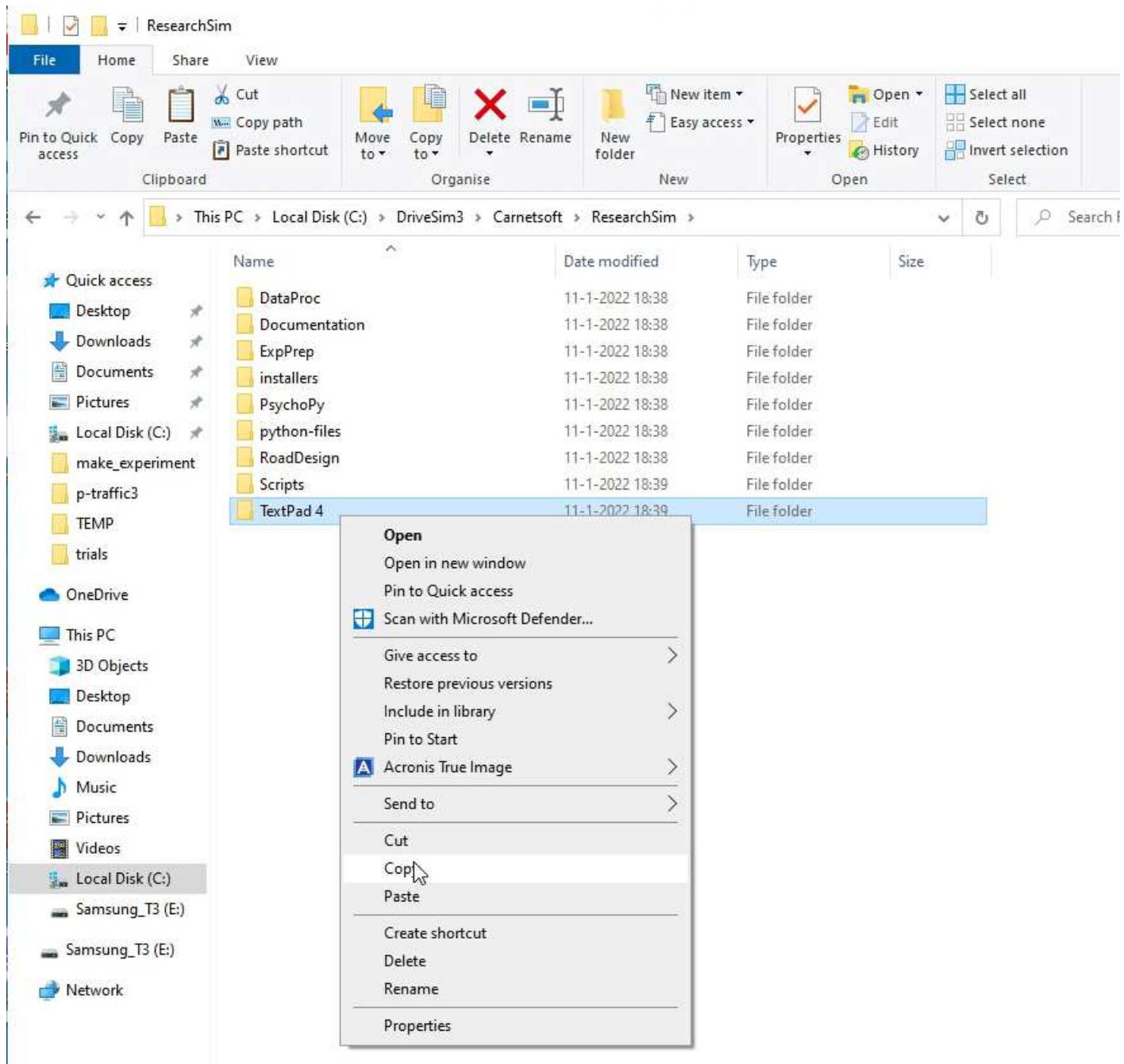
Make desktop icons for the c:\DriveSim3\Carnetsoft\ResearchSim\Documentation folder, and name it "Research Sim Docs" or similar. If needed also do this for specific docs, such as for the basic courses (for example CourseResearchSimulatorB.pdf).



Configure the script compiler

19) Move the TextPad 4 folder to c:\

TextPad 4 is the text editor that is used as a script compiler to compile the script files *.scn into binary script files *.scb. Move or copy the folder c:\DriveSim3\Carnetsoft\ResearchSim\TextPad 4 to c:\, so there is now a c:\TextPad 4 folder.



20) Configure TextPad 4

Configure c:\TextPad 4 \TextPad.exe to make it work as a script compiler. Please download:
<https://cs-driving-simulator.com/downloads/ScenarioTool2022.pdf>

and read the instructions.

GRAPHICS SETTINGS

It is assumed you have a suitable graphics GPU of NVIDIA, see:
<https://cs-driving-simulator.com/downloads/specs.pdf>

Right-click on the desktop ->NVIDIA Control panel->3D Settings->Manage 3D settings

- Ambient Occlusion -> Off
- Anisotropic Filtering -> Off
- Antialiasing FXAA -> Off
- Antialiasing Gamma Correction -> On
- Antialiasing Mode ->Enhance the application setting
- Antialiasing Setting -> 4x
- Antialiasing Transparency ->Multisample
- Texture Filtering Quality -> Quality
- Power Management Mode ->>Prefer Maximum Performance
- Vertical Sync -> Adaptive

TEST AND TRYOUT

Recommended simulations are from the driver training section:

For traffic interactions, all these have fixed routes that must be followed:

- 2-TrafficParticipation\P-Traffic1
- 2-TrafficParticipation\P-Traffic3
- 2-TrafficParticipation\P-Highway1
- 2-TrafficParticipation\P-Roundabout2
- 2-TrafficParticipation\P-Carriageways

A simulation of the effects of alcohol can be tried in:

- SafetyAwareness\impairment

To see the databases, free driving with no traffic:

- Databases\HighwayLong
- Databases\Roundabout-B

For more information about how to start these see for example:

<https://cs-driving-simulator.com/videos/>
Example 1: Traffic Participation Rural Roads.

LOGITECH SETTINGS

It is assumed you have the Logitech G29 or similar (G920 etc.) connected and the drivers of the steering wheel/pedal set installed.

- Make sure to tick the Enable Centering Spring check box
- set steering wheel sensitivity to 50%, wheel range to 900 degrees and centering spring strength to 30%.
- Clutch sensitivity to 50%, brake sensitivity to 80%, accelerator sensitivity to 50%
- Disable combined pedals.