Dynamic General Equilibrium Model for Climate Resilient Economic Development

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On behalf of:

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

of the Federal Republic of Germany

Outline

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1.1 Installation of Dynare: Introduction

- Packaged versions of Dynare are available for:
  - Windows (7, 8.1, 10)
  - Several GNU/Linux distributions (Debian, Ubuntu, Linux Mint, Arch Linux)
  - macOS 10.11 or later
  - Should work on other systems, but some compilation steps are necessary
- In order to run Dynare, you need one of the following:
  - MATLAB version 7.9 (R2009b) or above
  - GNU Octave version 4.2.1 or above, with the statistics package from Octave-Forge
- For the DGE CRED model only Dynare 4.6 and the newest Octave version are suitable
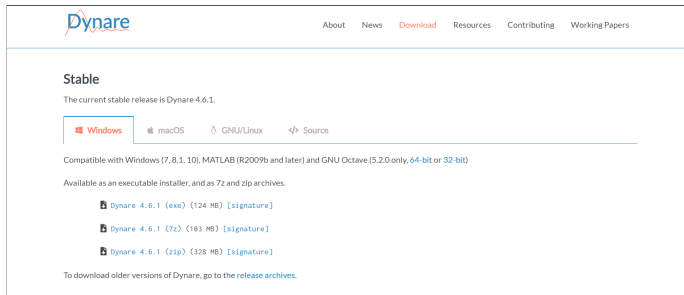
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1.2 Installation of Dynare: Windows (1)

- Access the Dynare web page (`https://www.dynare.org`) and click on "Download v4.6.1":
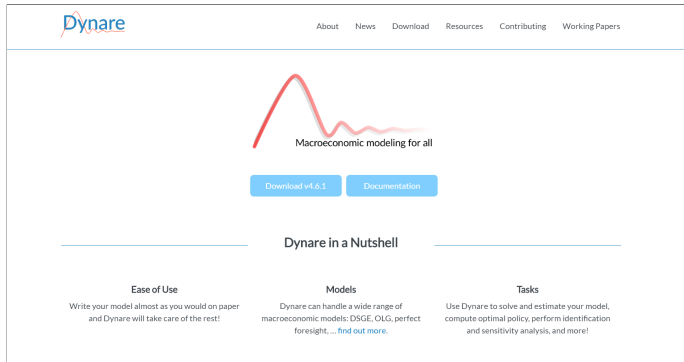
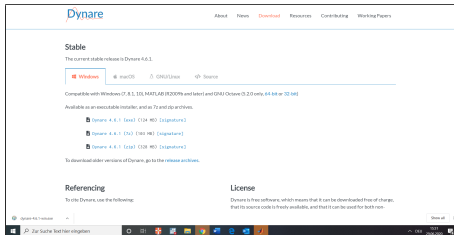# 1.2 Installation of Dynare: Windows (2)

■ The following page will be displayed:

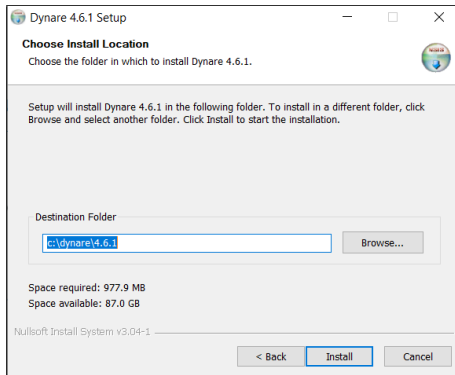■ Click on "Dynare 4.6.1 (exe)" to download the executable installer.

1.2 Installation of Dynare: Windows (3)

■ Open the downloaded executable installer "`dynare-4.6.1.exe`"

■ Follow the displayed instructions
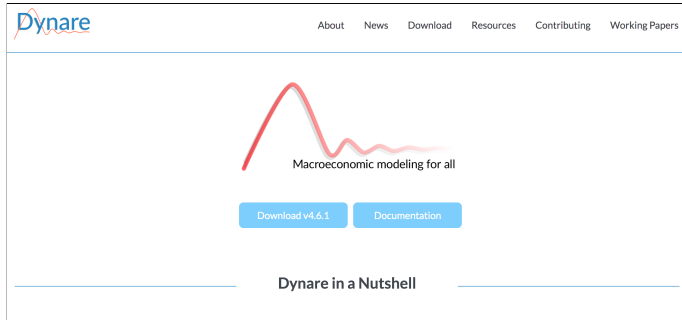
1.2 Installation of Dynare: Windows (4)

■ Finally, choose a folder in which to install Dynare

■ You will later need to tell MATLAB the path where Dynare is installed
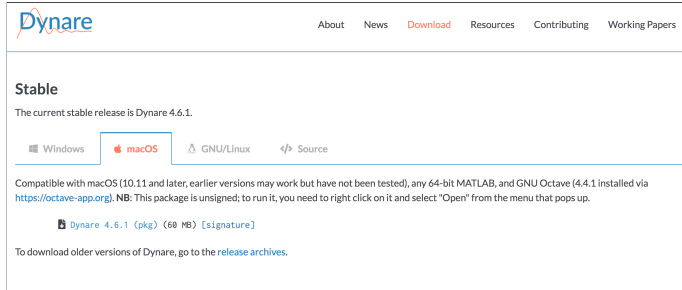
1.3 Installation of Dynare: macOS (1)

- Access the Dynare web page (`https://www.dynare.org`) and click on "Download v4.6.1":

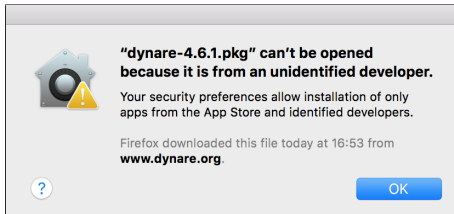# 1.3 Installation of Dynare: macOS (2)

■ The following page will be displayed:

■ Click on "Dynare 4.6.1 (pkg)" to download the installation package.
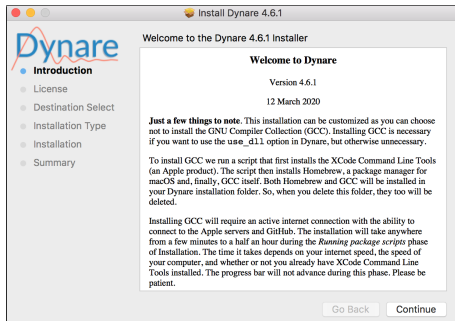
1.3 Installation of Dynare: macOS (3)

■ Open the downloaded installation package "`dynare-4.6.1.pkg`"

■ In case that the following security notification is displayed:

▶ Access: "System Preferences" –> "Security & Privacy" –> press: "Open Anyway"
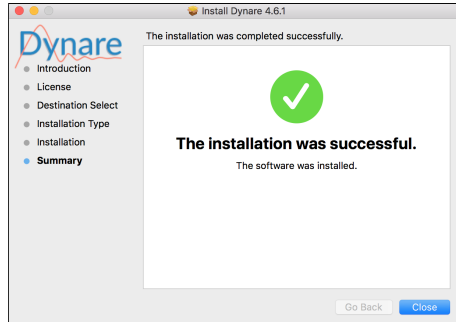
1.3 Installation of Dynare: macOS (4)

■ The following window should appear:

■ Follow the displayed instuctions.

1.3 Installation of Dynare: macOS (5)

■ If the installation was successfull the following window will appear:

■ The Dynare folder should now be listed under "Applications".

■ Dynare is now ready to use and the installation package "`dynare-4.6.1.pkg`" can be deleted.

Outline

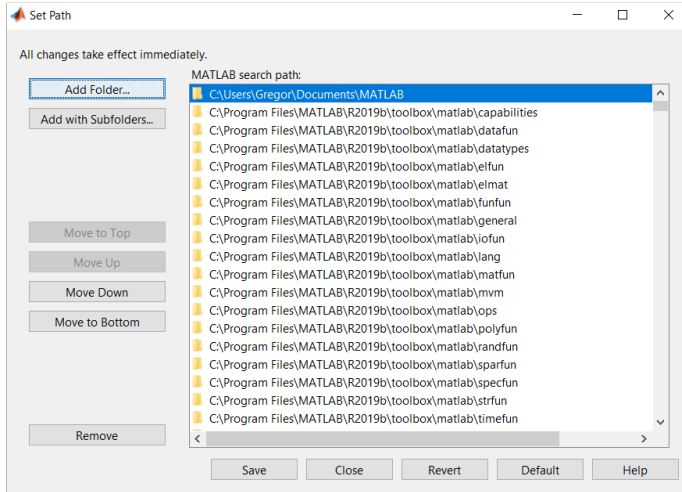giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

2.1 Set path to Dynare in Matlab: permanently (1)

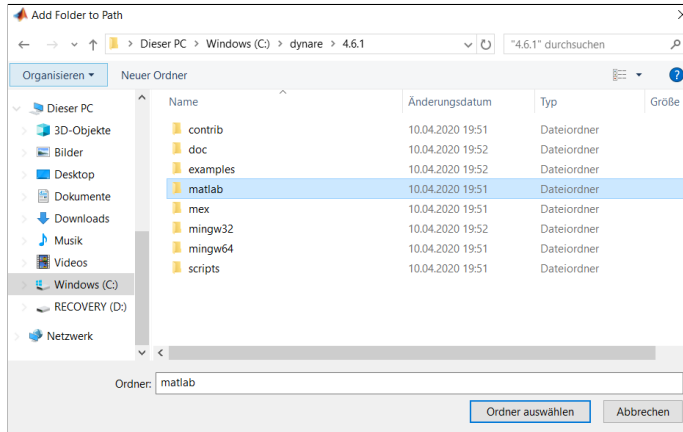■ On the MATLAB Home tab, in the Environment section, click on Set Path
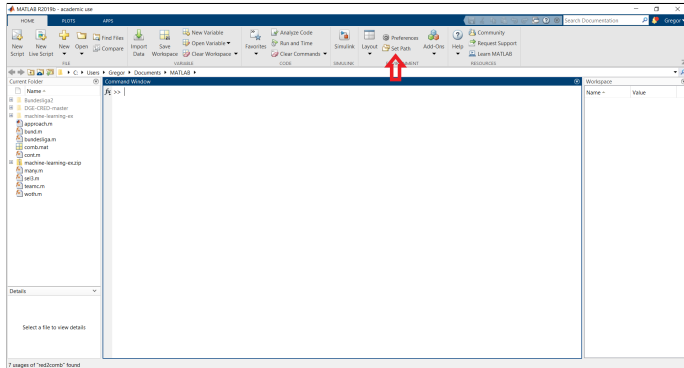
2.1 Set path to Dynare in Matlab: permanently (2)

■ Click Add Folder

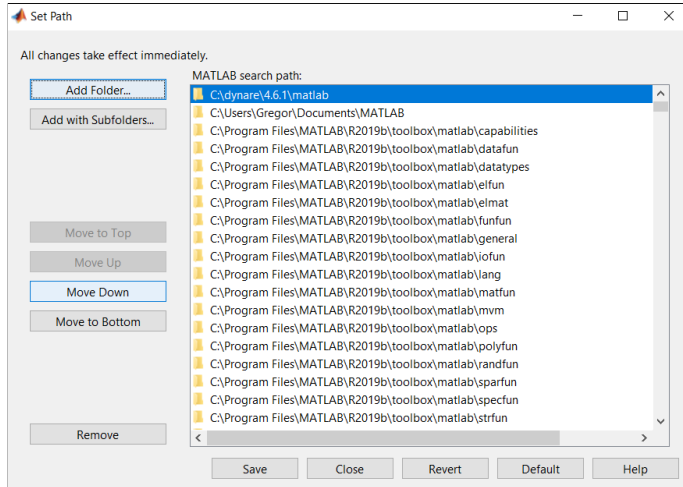# 2.1 Set path to Dynare in Matlab: permanently (3)

■ Select the matlab subdirectory of your Dynare installation

■ Then select choose folder

2.1 Set path to Dynare in Matlab: permanently (4)

■ Apply the setting by clicking Save button

2.2 Set path to Dynare in Matlab: temporarily

- Alternatively, the path to Dynare can be set temporarily in Matlab
  - This allows to switch between different versions of Dynare
- The following command has to be entered in Matlab:
  - Windows: `addpath C:\dynare\4.6.1\matlab`
  - macOS: `addpath /Applications/Dynare/4.X.Y/matlab`