VEÐURSTOFA ÍSLANDS

Report
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CrocusMepra PC
Installation

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from

Giraud, G. 2001. CrocusMepra version PC. Meteo France Internal report

The Public Roads Administration supported the project

Avalanche hazard - snowdrift

models to forecast avalanche hazard adjusted to Icelandic conditions

(Snjóflóðahætta - skafrenningur líkön til að spá snjóflóðahættu aðlöguð íslenskum aðstæðum)

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INTRODUCTION

The snow and avalanche hazard models Crocus and Mepra were originally developed by the snow department, CEN (Centre d'Etudes de la Neige), of Meteo France in Grenoble in a version for a server. A PC-version of the models, CrocusMepra PC, was later developed and the installing process is described below.

Crocus calculates the evolution of energy, mass and morphology of the layers of the snowpack and Mepra analyses the stability of the snowpack and avalanche hazard. The original models simulated the evolution of the snowpack using only information about the weather, with snowpit information about the snowpack in nature. Snow profiles can be fed into the PC-version and for given scenarios of weather the evolution of the snowpack and avalanche hazard is calculated.

INSTALLATION OF CROCUSMEPRA PC

This version of CrocusMepra PC can be installed from a CD. It requires 10 Mb disk space. When you insert the CD in your CD-reader, a menu driven installation appears, which was developed using Install Shield.

Note: There have been problems discovered in using the software with older operational systems of Windows, e.g. Windows 95 and 97. This version of CrocusMepra PC works well with e.g. Windows 2000.

At first you select a language (French or **English**) (Figure 1).

Figure 1. *Choice of language (English or French).*

The set-up starts with a welcome window.

During the first installation the default installation should be selected, except for the location of the files.

The next screen suggests where to locate the files and suggests to create a directory under Program Files, for both the software and the resulting files from the simulations. In Iceland the default directory Program Files is used only for programs. Therefore it would be more consistent if you let the program create a directory, where the files will be stored. Click Browse, go into the line

C:\Program Files\Meteo-France\CEN\CrocusMepra PC

and change to

C:\forrit\CrocusMepra PC (Figure 2).

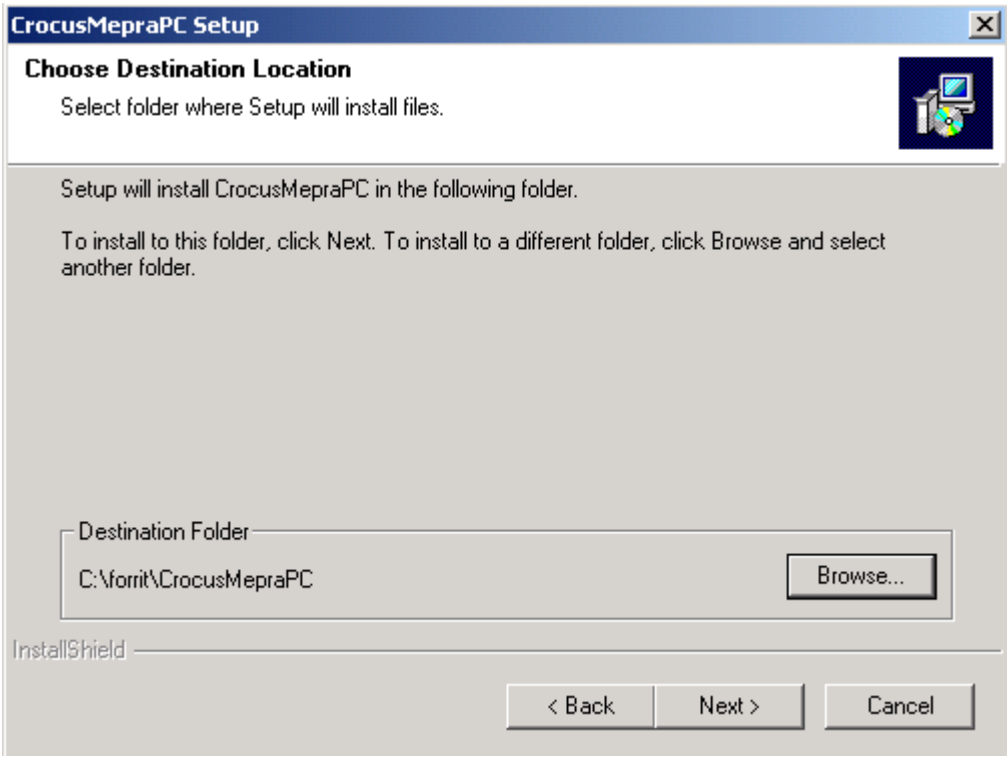

Figure 2. *Path of files C:\forrit\CrocusMepra PC.*

Afterwards you click <Next>.

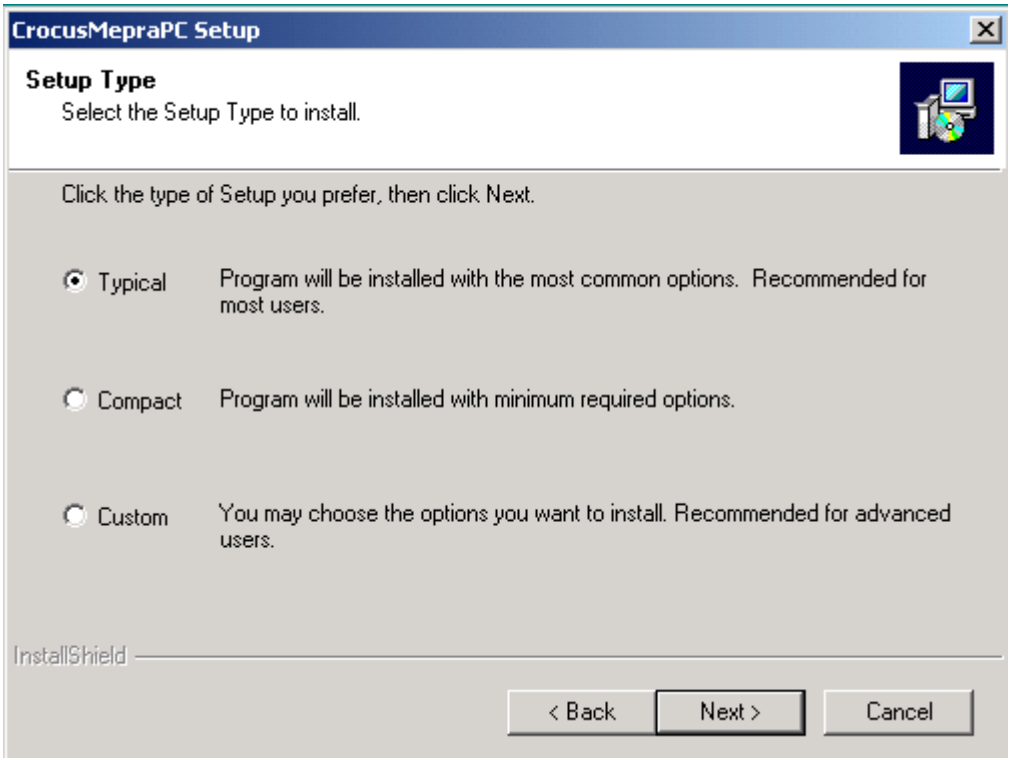

Figure 3. *Installation selection: Typical.*

The setup in Figure 3 is typical. Accept the default both here and in the next window, i.e. the program folder CrocusMepra PC.

The setup-procedure now installs the programs. Accept (Yes) to create a shortcut on the desktop (Figure 4).

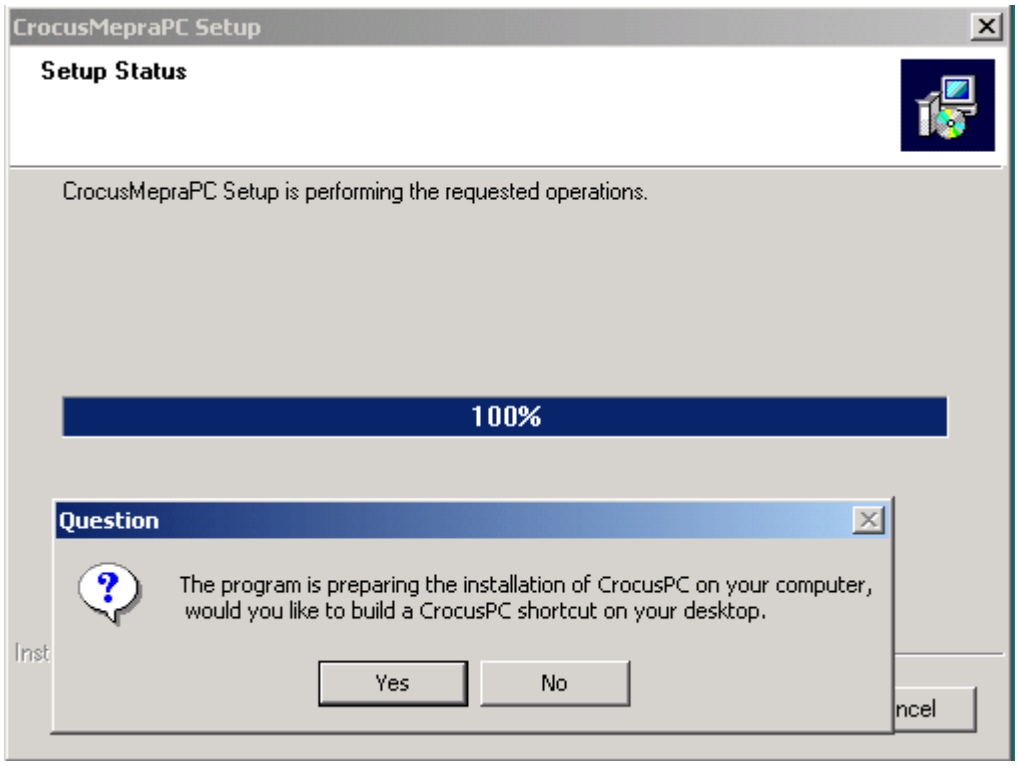

Figure 4. *The dialog at the end of installation. Create an icon on the desktop.*

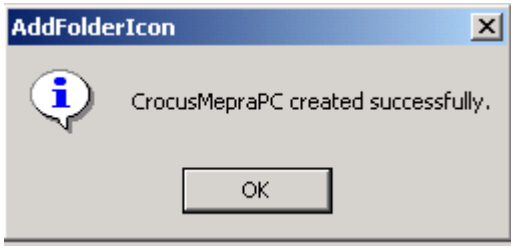

Figure 5. *The software was installed successfully.*

Then click <OK> (Figure 5).

Afterwards the program can be run by clicking the icon (Figure 6).

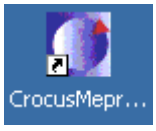

Figure 6. *Icon for the software.*

REINSTALLATION

If you need to reinstall the program it is best to make a backup in a safe location of the x.mso files:

carsim0.mso, flux0.mso, mepra0.mso, meteo0.mso, num0.mso, profil0.mso

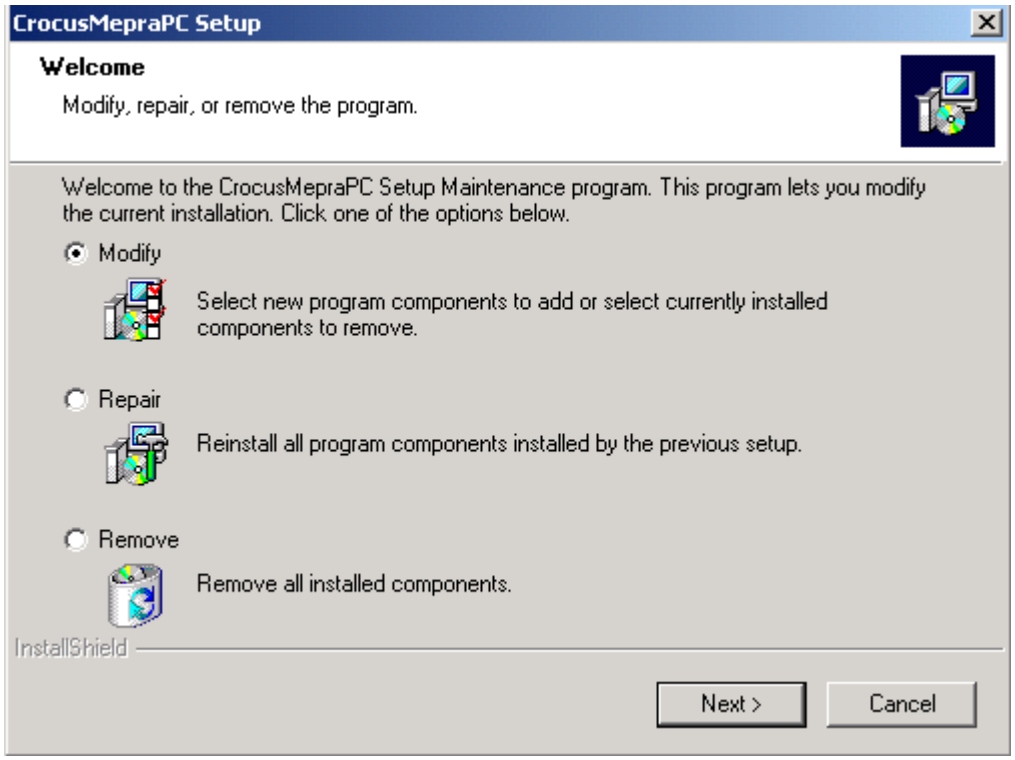

Figure 7. *Reinstallation. Save mso-files in a backup-directory and Remove installed components, then install.*

The window in Figure 7 is from a second run, after installing a previous version of the program.

The next step is to remove the program first with the installation procedure and then install it again. It is also possible to repair or modify, e.g. add some components with the installation procedure.

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Good luck.

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