LANDIS-II Getting Started

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LANDIS-II

The purpose of this slide show is to enable new users to quickly start using the model.

More advanced topics are covered elsewhere as slide shows, wikis, user guides (PDF), and in the published literature.



LANDIS-II

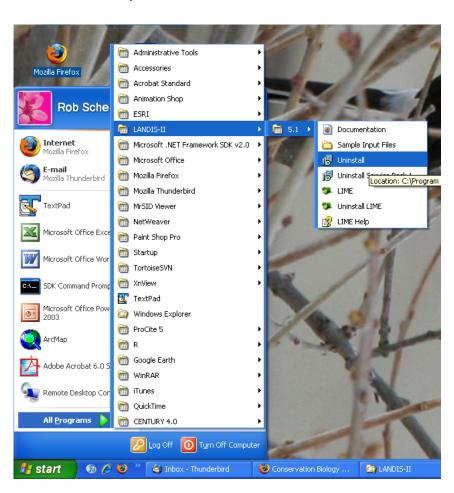
There is currently only a single supported interface for LANDIS-II:

Console and Text Files



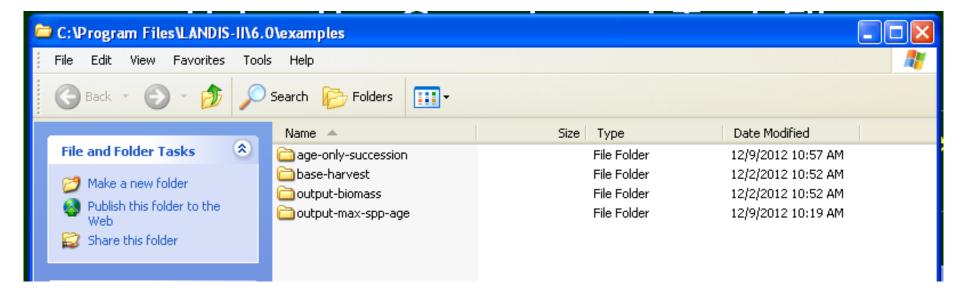
Inputs to LANDIS-II are stored in text files. These can be edited with any text editor (e.g., NotePad).

After you have installed LANDIS-II, example files are provided:

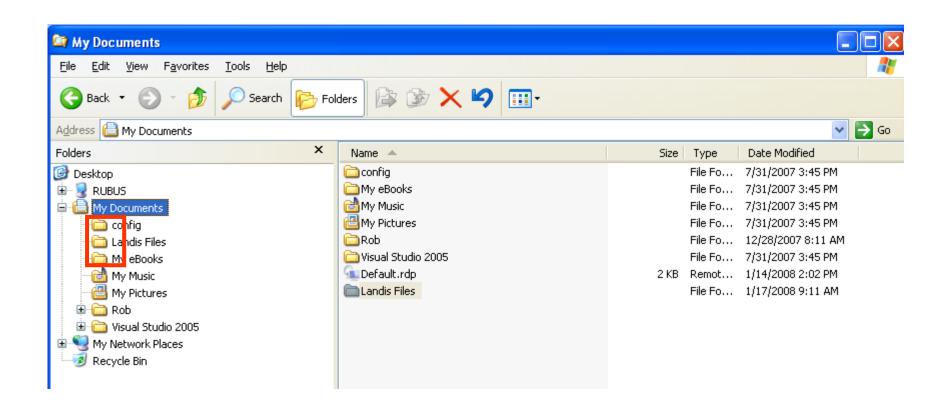


Inputs to LANDIS-II are stored in text files. These can be edited with any text editor (e.g., NotePad).

After you have installed extensions for LANDIS-II, example files are provided for each extension:



We recommend copying these files into a working directory.



To run a scenario file, open a DOS ('Command') prompt.

Navigate to the folder containing your example files.

```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\>cd landis data

C:\Landis Data>_
```

Type 'landis-ii scenario.txt'

```
Command Prompt

Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\>cd landis data

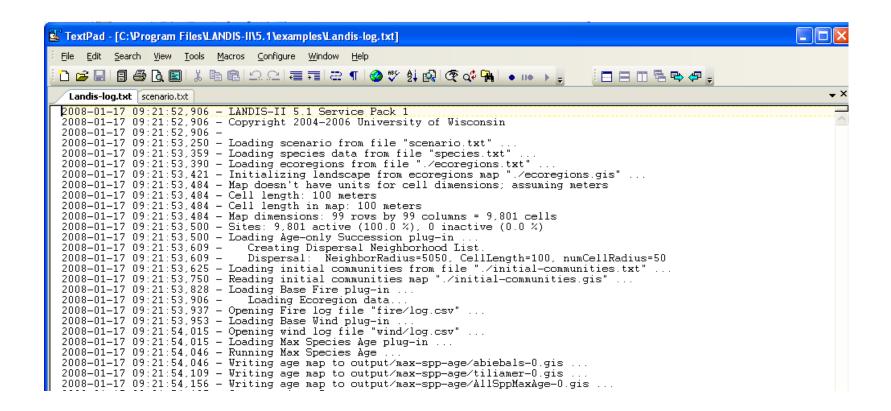
C:\Landis Data>landis-ii scenario.txt
```



The model will run within the command window.



The model always generates a log file: LandisLog.txt.



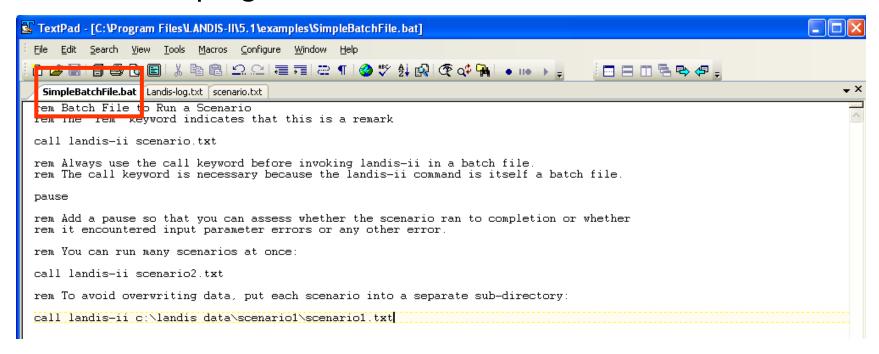
If the model stops running for any reason, check the log file first.

Also, when reporting problems, always send the log file.

```
TextPad - [C:\Program Files\LANDIS-II\5.1\examples\Landis-log.txt]
     Edit Search View Tools Macros Configure Window Help
Landis-log.txt scenario.txt
 2008-01-17 09:21:52,906 - LANDIS-II 5.1 Service Pack 1
 2008-01-17 09:21:52,906 - Copyright 2004-2006 University of Wisconsin
 2008-01-17 09:21:52,906 -
 2008-01-17 09:21:53,250 - Loading scenario from file "scenario.txt"
 2008-01-17 09:21:53,359 - Loading species data from file "species.txt"
 2008-01-17 09:21:53,390 - Loading ecoregions from file "./ecoregions.txt" ...
 2008-01-17 09:21:53,421 - Initializing landscape from ecoregions map "./ecoregions.gis" ...
 2008-01-17 09:21:53,484 - Map doesn't have units for cell dimensions; assuming meters
 2008-01-17 09:21:53,484 - Cell length: 100 meters
 2008-01-17 09:21:53,484 - Cell length in map: 100 meters
 2008-01-17 09:21:53,484 - Map dimensions: 99 rows by 99 columns = 9,801 cells
 2008-01-17 09:21:53,500 - Sites: 9,801 active (100.0 %), 0 inactive (0.0 %)
 2008-01-17 09:21:53,500 - Loading Age-only Succession plug-in ...
 2008-01-17 09:21:53,609 -
                               Creating Dispersal Neighborhood List.
 2008-01-17 09:21:53,609 -
                               Dispersal: NeighborRadius=5050, CellLength=100, numCellRadius=50
 2008-01-17 09:21:53,625 - Loading initial communities from file "./initial-communities.txt"
 2008-01-17 09:21:53,750 - Reading initial communities map "./initial-communities.gis" ...
 2008-01-17 09:21:53,828 - Loading Base Fire plug-in ...
 2008-01-17 09:21:53,906 -
                              Loading Ecoregion data...
 2008-01-17 09:21:53,937 - Opening Fire log file "fire/log.csv" ...
 2008-01-17 09:21:53,953 - Loading Base Wind plug-in .
 2008-01-17 09:21:54,015 - Opening wind log file "wind/log.csv" ... 2008-01-17 09:21:54,015 - Loading Max Species Age plug-in ... 2008-01-17 09:21:54,046 - Running Max Species Age ...
 2008-01-17 09:21:54,046 - Writing age map to output/max-spp-age/abiebals-0.gis ...
 2008-01-17 09:21:54,109 - Writing age map to output/max-spp-age/tiliamer-0.gis ...
 2008-01-17 09:21:54,156 - Writing age map to output/max-spp-age/AllSppMaxAge-0.gis
```

Using Text Files with Batch Files

Alternatively, you can run a scenario with a batch file – a small DOS program.



A batch file is a text file saved with the .bat extension.

Using Text Files with Batch Files

After your batch file is created, you can run it by doubleclicking on it from a file browser.

A command prompt will automatically open and begin running the model.

