

## GeoPIXE from GitHub

GeoPIXE source and executable are available from *GitHub* as Open Source: <https://github.com/CSIRO-GeoscienceAnalytics/GeoPIXE>

The folder **Workspace/geopixe** contains a runtime version, which requires no compilation.

The archive on GitHub contains all source files and essential data and documentation. It does NOT include a metadata (Workspace/.metadata directory) for the IDL DE Eclipse environment. What is missing are Eclipse project definitions and the build settings for each project. Import of the projects is easy (see below). But we must set a couple of settings regarding management of the !path in IDL. These are detailed below.

Building can be easily handled using “Builder.pro” (see below). However, you can setup Eclipse IDL build settings if you like, as described in section “Eclipse environment and organization”.

## Downloading

If you are reading this, then perhaps this is done for the software... But for worked example data, you need to also download the Demo data, which is archived in the CSIRO DAP. There are two archives, a simple one (e.g. for a Windows system at DOI: <https://doi.org/10.25919/ff5b-wr11> ) and one designed to serve multiple users in a Linux workshop environment (at DOI: <https://doi.org/10.25919/3yrz-7x38> ). See the “Read me.txt” files for details.

NOTE: See the Readme file notes on how to get the **GeoPIXE Demo data** for the worked example tutorials.

## Install IDL

Running GeoPIXE requires at least IDL runtime support. With IDL installed, but not licensed, you can run GeoPIXE using IDL *Virtual Machine* runtime support. To program in IDL and build GeoPIXE source, you will need an IDL license.

## Software Organization

For more details of installing GeoPIXE and software organization, see the “**GeoPIXE Software Organization - open**” docs.