

**AFGROW European Workshop 2018**

**Using a Common Material Database with  
AFGROW**

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# Description

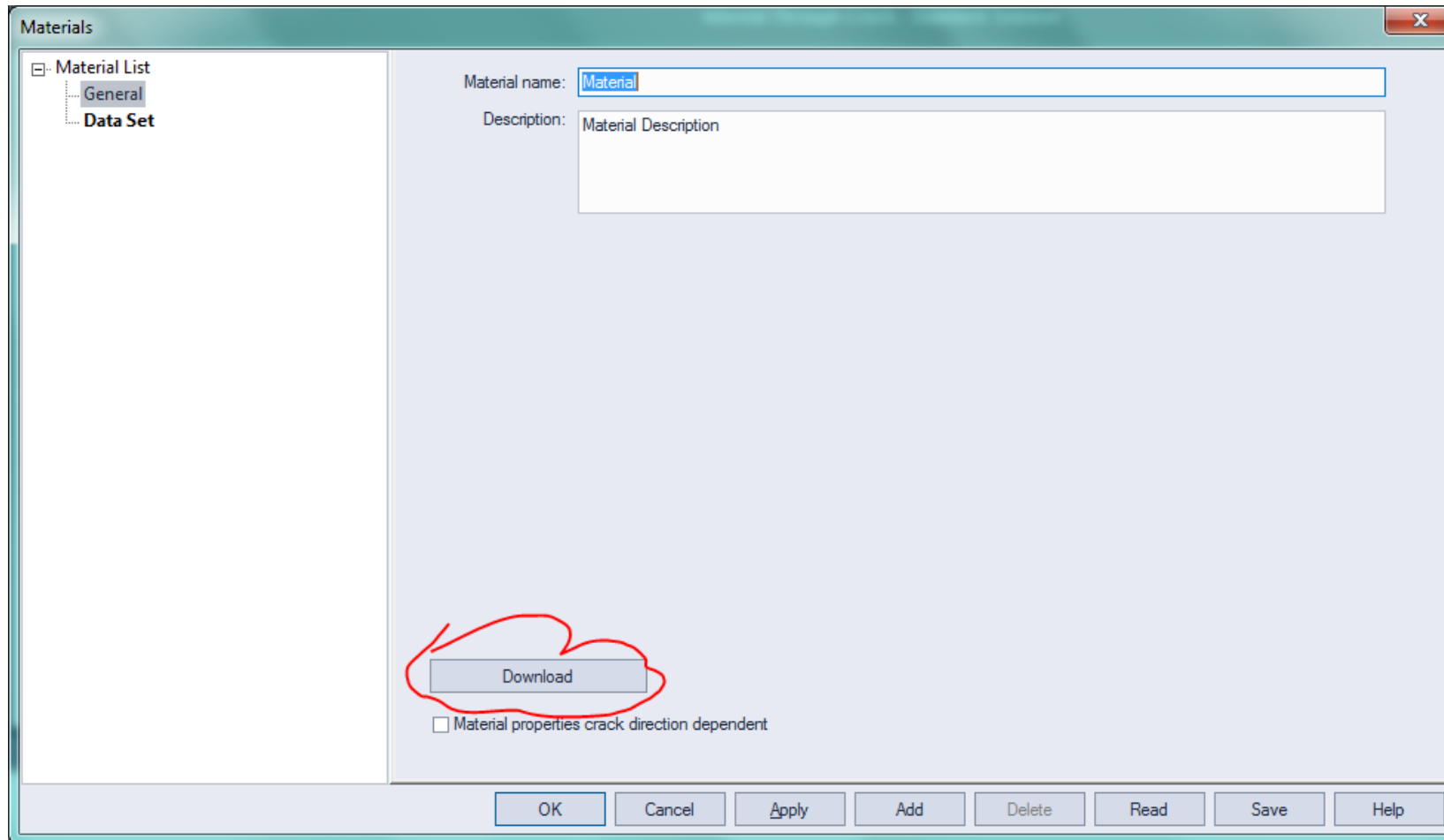
**Goal: Provide network or online access to common material data**

- Only tabular lookup format right now
- Require modification to the AFGROW configuration file and can be done only by administrator
- Require a data configuration file that points to all material data files
- Material files need to be in the lkpX (XML based format)

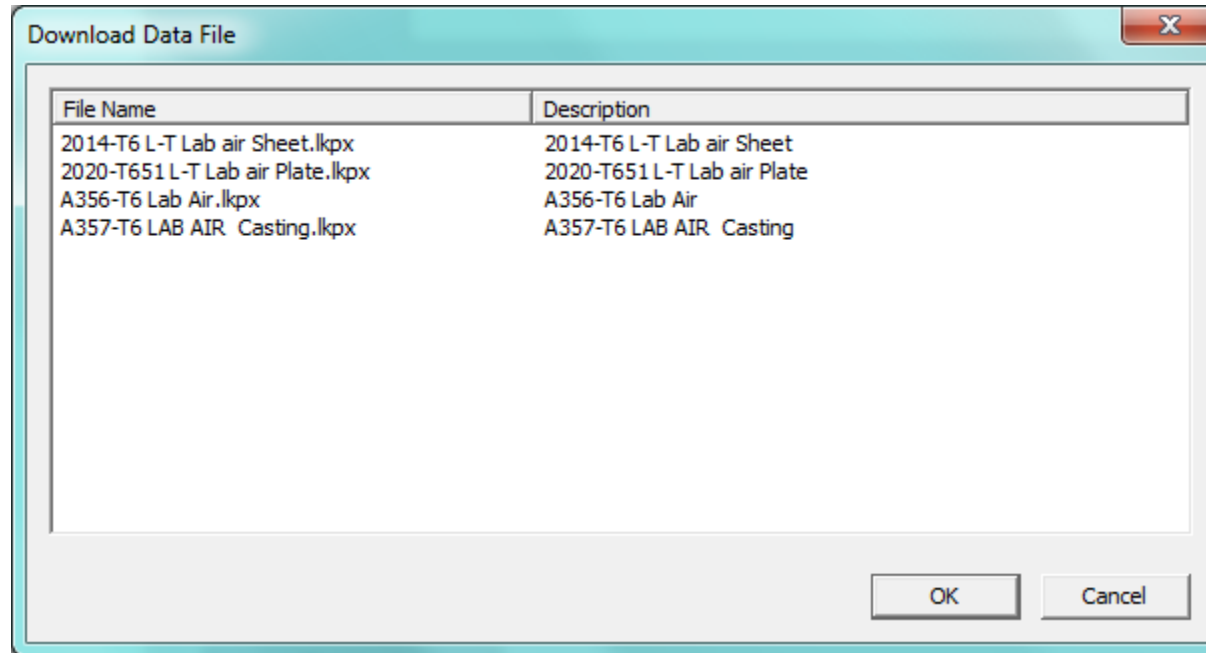
# Advantages

- Provides the same set of material data for all users
- Can not be modified by users
- Easy to implement and manage
- User access can be modified per file or per group of files

# Network or Online Access to Material Data



# Network or Online Access to Material Data – Download Data Dialog



# AFGROW Configuration File

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="MaterialLookupListUrl" value = "Z:\ServerFolders\Material-Data_load\MaterialLookupList.xml" />
  </appSettings>
  <custom.settings>
    <plugins>
      <plugin> Counter_Sunk_Hole_In_Plate.Counter_Sunk_Hole_In_Plate_Plugin</plugin>
      <plugin>VZLUPlugin.VZLUPluginClass</plugin>
    </plugins>
  </custom.settings>
</configuration>
```

# Material Configuration File

```
<?xml version="1.0"?>
```

```
-<MaterialFileList>
```

```
    <MaterialFile location="http://www.afgrow.net/material/" name="2020-T651 L-T Lab air Plate.lkpx">2020-T651 L-T Lab  
air Plate</MaterialFile>
```

```
    <MaterialFile location="http://www.afgrow.net/material/" name="A356-T6 Lab Air.lkpx">A356-T6 Lab Air</MaterialFile>
```

```
    <MaterialFile location="http://www.afgrow.net/material/" name="A357-T6 LAB AIR Casting.lkpx">A357-T6 LAB AIR  
Casting</MaterialFile>
```

```
    <MaterialFile location="http://www.afgrow.net/material/" name="2014-T6 L-T Lab air Sheet.lkpx">2014-T6 L-T Lab air  
Sheet</MaterialFile>
```

```
</MaterialFileList>
```