



# Ghostscript, Foomatic

**Till Kamppeter**  
**OpenPrinting Manager, The Linux Foundation**



# Ghostscript: Merger of ESP GS into GPL GS

- **Last year Artifex has put the head development of Ghostscript under GPL, so GPL Ghostscript is the latest and greatest Ghostscript, AFPL Ghostscript discontinued**
- **Mike Sweet has discontinued ESP Ghostscript after releasing version 8.15.4**
- **After that I have merged the extra functionality of ESP Ghostscript into GPL Ghostscript**
- **Merger is now available in the trunk (head branch) of the Subversion repositories of ghostscript.com**
- **Next release is GPL Ghostscript 8.60, the first one with merged ESP GS functionality**
- **Now GPL Ghostscript is recommended for distributions**



# Foomatic: Support for all CUPS Functionality

- **CUPS 1.2 added functionality which is not yet supported by Foomatic:**
  - Custom options: Numerical, string, password, ... Foomatic should be compatible with CUPS here, so GUIs do not need to support two methods
  - Multi-language PPDs: Internationalization of Foomatic-generated PPDs
- **Coders/sponsors needed!**



# Prepare foomatic-rip for PDF Workflow

- **foomatic-rip currently only understands PostScript as input**
  - foomatic-rip reads embedded option settings from PostScript stream
  - foomatic-rip embeds settings into PostScript stream
  - foomatic-rip precedes output stream with PjL commands
  - foomatic-rip supports page overrides
- **All this functionality is also needed for the PDF workflow**
- **Coders/sponsors needed!**



# Modularizing Ghostscript's Built-in Drivers

- **Advantages**

- Third-party built-in drivers do not need to be adapted to every change of the internal driver API of Ghostscript
- Built-in drivers get available for other renderers, like for example XPDF (for PDF workflow) or simple renderers for embedded

- **Implementation**

- Glue code which plugs into renderer via OpenPrinting vector and provides Ghostscript's driver API
- Compile one or more drivers with the glue code to get driver module

- **Coders/sponsors needed!**



<http://www.linux-foundation.org/en/OpenPrinting/Implementation>