



## **GStreamer**

Michael Smith, Jan Schmidt, Thomas  
Vander Stichele

*FOMS – Sydney, 11/01/2007*



# GStreamer

- Powerful multimedia framework
  - Players, encoders, editors, and more
- Widely used in all modern Linux distributions
- Portable: linux, windows, solaris, etc.
- LGPL core, plugins LGPL and other (including commercial)



# Challenges

- Maintaining API and ABI stability whilst adding functionality
- Dealing properly with live inputs
- Low-latency work
- Big project: release management is time consuming
- Shrinking core for embedded systems



# Dependencies

- Libraries
  - GLib, liboil
  - Others are optional, mostly for various plugins
- Users
  - Totem, Rhythmbox, Banshee
  - PiTiVi, Jokosher
  - Flumotion, Elisa
  - Others



# What's next

- Eventually 0.11.x, probably leading to 1.0 – but not yet
- Ship for Windows and OSX
- Plugin installation API
- Support users, ensure API is sufficient
- Continual improvement of plugins
- ... and more!