Annodex : Browser Plugins

• Project aim:
  − To complete end-to-end infrastructure for Annodex annotations in Ogg container
  − Provide web interface by developing of open-source Mozilla and IE Ogg Theora and Annodex plugin

• Features in plugin:
  − Ogg and Annodex files video playback
  − Unique Javascript API callback mechanism on Annodex annotations during playback
  − Initial cross-platform implementation of Sydney Audio
Annodex Browser Plugins: Challenges

- Support only for Mozilla Firefox browser
- No support of HTTP ranges in mod_annodex (seeking only in downloaded data)
- Poor quality playback over wireless and lossy long distance links (no pre-buffering in plugin – design choice)
Annodex Browser Plugins: Dependencies

• Plugin currently uses following Xiph.org/Annodex libraries: **liboggplay, libbogg, libtheora, libvorbis, libspeex, liboggz, libfishsound**

• Requires Mozilla Gecko SDK 1.7 (Firefox 1.0) or 1.8 (Firefox 1.5 and 2.0)

• Supported Platforms: Linux, Win32, MacOSX
Annodex Browser Plugins: Next Steps

• Outstanding features
  - MS IE implementation for Win32
  - Required porting to latest Sydney Audio API for Linux implementation (possibly MacOSX and Win32)
    Annodex Web Interface
  - and many, many more...

• “Nice to have”s
  - Implementation of Theora/Voris over RTP or IP and support in the plugins