

# OpenDX

Birds of Feather

# Big Thank You

- Bill Horn and the research team for their hardwork
- IBM for the decision to Open Source this product.

# Current Developers (Big Thank You)

- IBM - Greg Abram, Peter D. Kirchner, Nancy Collins, Donna Gresh, Lloyd Treinish, Frank Suits
- VIS, Inc. - David Thompson, Jeff Braun
- EPA - Randall Hopper, Mark Bolstad
- Inspire Pharm., Inc. - Suhaib Siddiqi
- LessTif/Motif development - Rick Scott
- Cornell - Richard Gillilan, Chris Pelkie
- Others ...

# Current Status

- OpenDX 4.1.0 current stable release
  - Includes JavaDX and many bug fixes
  - Ports to most major platforms
  - Building with GNU tools
  - Now supports many more image output formats with ImageMagick support

# In development

- Cleanup of source code
- Optimizations
- More bugs and memory leaks corrected
- Cleaning up module building routines (now includes C++)
- Further ImageMagick improvements
- Distributed DX (HooHahh!!)

# Distributed DX

- MPI extension to OpenDX—allows for distributed segmentation of data for parallel processing.
- Different than SMP (one shared data segment among processors)
- Different than Distributed execution (assigning execution paths on different processors or machines)

# Future of OpenDX

- Open Source allows users to support themselves—Never left out cold.
- Companies that support OpenDX
  - Visualization and Imagery Solutions, Inc.
  - KehlCo, Inc.
  - Vision Group International, Inc.
- IBM still using within its Visualization Group

# Progress/Success

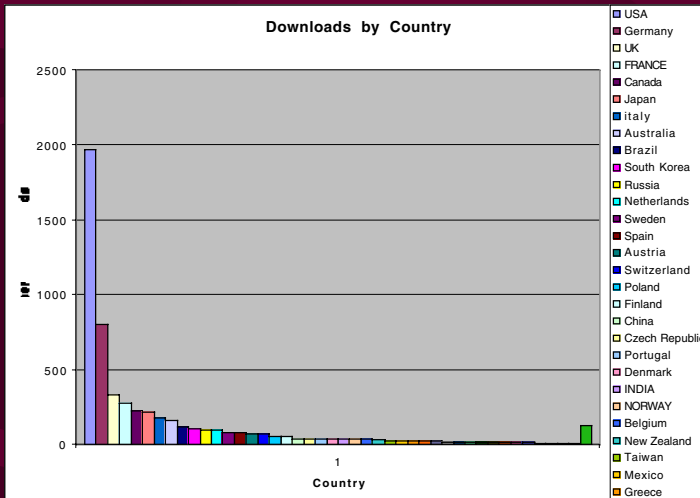
- Supporting more platforms than ever before
- First book other than manuals being published on DX
- Other Viz. Authors have discussed books
- Active development
- Heavily used by IBM, EPA, Cornell, NIST, SJWMD, and list is growing



# Download Statistics

(who appears to be using it)

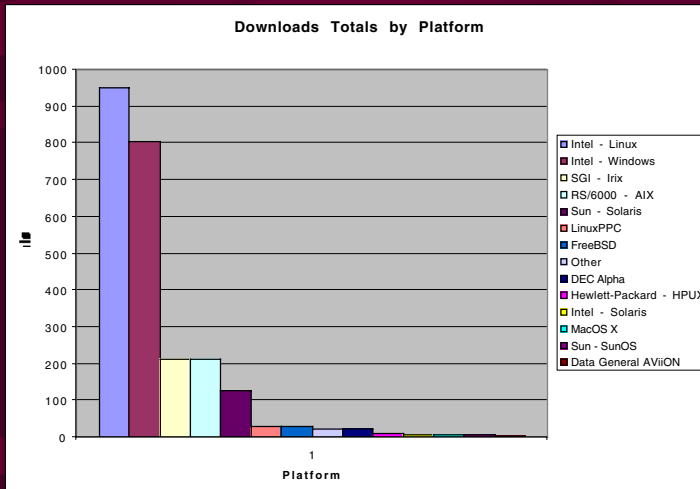
- Since June 1999, ~7400 binary downloads and ~3400 source downloads from OpenDX.org



# Download Statistics

(who appears to be using it)

- Of those specifying their platform, here's the breakdown.



# Current Mailing List Subscribers

- Bill Horn update

# Binaries-Coming Soon...

- VIS, Inc./OpenDX.org will soon be creating an OpenDX binary distribution CD.
  - Could use help on multiple platforms to put together proper distributions.
  - Recommendations for Windows installers.
  - Contributions to the CD?

# Known Projects

- Get the documentation put into a system so it can be updated (choose system)
- JavaDX
- Modules - A page on [OpenDX.org](http://OpenDX.org) to request/vote on what is needed?
- Test Suite
- Update Samples and Check.
- FAQ updates

# User Interface Projects

- Context sensitive menus for modules
- HTML help engine to replace current help/tutorial
- Make fonts resource editable
- Type Ahead search in module list
- Create Annotation/Module Attachement
- Provide cleanup net via map algorithm
- Redesign the prompter - or scrollable.
- Clean up code for Motif 2.x

# Executive Projects

- Implement communication using secure shell.
- More optimization
- Better OpenGL support
- Vector Postscript Renderer
- Other Interpolation methods
- Other Rendering (Raycast, etc.)
- 64 - bit clean version, i. e. > 2GB objects

# Other Ideas?

Suggestions for VIS, Inc., i.e.  
Training Ideas?

Suggestions for OpenDX.org?  
General Discussion.



**T-Shirt Give-a-way**  
**Wristpad Give-a-way**

Don't forget to purchase your  
OpenDX memorabilia!