

## **Action Items from DFWG Meeting (January 5 & 6, 2004)**

**All DFWG members** should check to see if the following dates will work for the next DFWG Meeting:

- May 6 & 7 (these are by far the best dates for M. Huerta's participation)
- April 28 & 29
- April 29 & 30

**Target Date: January 12**

**All DFWG members** should send to M. Huerta any files worth sharing that they might not have previously sent. These will be posted on the DFWG site (see below).

**Target Date: January 12**

**M. Huerta will forward to R. Cox** for posting on the password-protected DFWG web site all attachments submitted by DFWG members (PowerPoint presentations, documents, etc.) from the outset of the DFWG.

**Target Date: January 13**

**R. Cox** will submit (on behalf of all DFWG members) an abstract for a poster regarding NIfTI-1 to be presented at the OHBM meeting in Budapest in June 2004.

**Target Date: January 15**

**M. Huerta** will identify the key person managing the MR/fMRI data formats for the Biomedical Informatics Research Network (BIRN), and work with that person and S. Strother to plan a presentation for the BIRN meeting on March 22 & 23.

**Target Date: January 19**

**S. Strother** will solicit info regarding ANALYZE fields for the spreadsheet (circulated at the January 2004 meeting) from authors of AIR and Brainsuite.

**Target Date: January 19**

Designations of those answering specific FAQs are as follows:

1. **M. Huerta** - What is NIfTI and the DFWG?
2. **S. Strother** - Why didn't the committee choose the DICOM format?
3. **J. Woodward** - Can you add my favorite variable X to the header?
4. **C. Haselgrove** - What is the minimal set of fields to be read as a NIfTI-1?
5. **D. Rex** - What format converters are available?
6. **K. Fissell** - What I/O libraries are available?
7. **C. Haselgrove** - How do I tell if an "Analyze" header is NIfTI-1 compatible?
8. **J. Woodward** - Is NIfTI-1 compatible with the Analyze 7.5 file format?

9. **C. Holmes** - Do I need to convert all of my files to this format?
  10. **H. Bremen** - Is the NIfTI-1 header extensible?
  11. **C. Holmes** - What modalities does this format support?
  12. **C. Holmes** – What types of data can I store in the format?
  13. **C. Holmes** - Does NIfTI-1 solve the problem of data interchange in fMRI?
  14. **J. Ashburner** - What is the default orientation?
  15. **J. Ashburner** - Is the default radiological or neurological orientation?
- Answers to these FAQs should be sent to S. Strother, who will review them and send them to R. Cox to have them posted on the NIfTI web site intended to solicit public comment on NIfTI-1.
- Target Date: January 21**

**R. Cox** will prepare a document explaining why NIfTI-1 fields were chosen. This document will be linked to the letter soliciting public comment on NIfTI-1.

**Target Date: January 26**

**R. Cox** will have set up a page on NIfTI (public) web site that will include FAQs (see below) and an interactive forum for comment and discussion about NIfTI-1.

**Target Date: January 26**

**S. Strother** will send targeted emails to authors of major software packages soliciting comments on NIfTI-1 and broadcast emails will be sent to the fMRI research community directing them to the NIfTI web site (with FAQs and interactive forum).

**Target Date: January 31**

**C. Haselgrove and R. Cox** will modify the spreadsheet of ANALYZE fields to make it more useful.

**Target Date: April 15**

**J. Woodward** will, when NIfTI-1 is finalized, register with Internet Request for Comments “.NII” as the extension for NIfTI-1.

**Target Date: April 15**

**C. Holmes and D. Rex** will identify list of geometry applications used in fMRI research community and will consider and recommend additional individuals to work with DFWG to help. Invitations will be extended by Y. Liu and M. Huerta, and will be followed up with substantive contact by C. Holmes and/or D. Rex.

**Target Date: April 15**

**C. Holmes will work with bottom-up ontology group (i.e., R. Cox, H. Bremen, J. Ashburner, S. Smith, C. Haselgrove, C. Holmes, and J.**

**Lancaster)** to identify all variables in several software packages, identify gaps of variables in those packages, and consider adding variables to augment packages. This study is meant to inform the development of NIFTI-2 (the complex format).

***Target Date: April 15***

**K. Fissell, S. Smith, S. Strother, and J. Woodward** will develop a process-oriented top-down ontological study of GLM analyses in numerous software packages to inform the NIFTI-2 development.

***Target Date: April 15***

**D. Rex** will pursue top-down ontology efforts as part of his ongoing research at UCLA, and report back to DFWG on progress at next meeting

***Target Date: The next DFWG meeting (in April or May)***