

Automated image analysis – report from the working party

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16 November 2006: CTUG meeting

- Meeting outcome
 - Collaborate with other parties
 - IPEM, DMWP, UKMPG
 - Adopt a plug-in / extend model
 - Set up open source project to share code
 - Widen scope beyond CT

17 November 2006: Matt Dunn

- Working party
 - Interested parties
 - CTUG, IPEM, DMWP, UKMPG

29 November 2006: Chair's action

- CTUG representatives for WP
 - Andrew Reilly
 - Ed McDonagh
 - Nick Keat
 - David Platten
 - Antonio De Stefano

2 February 2007: conference call

- Present
 - Andrew Reilly, Nick Gibson, Matt Dunn, Ed McDonagh, Elly Castellano, Alistair Mackenzie, Paul Morgan, Anne Davis, Antonio De Stefano
- Practical experience in using
 - MatLab, IDL, VBA, ImageJ, C#

2 February 2007: conference call

- Decisions made
 - AIA code freely available to all
 - To use and contribute to
 - WP a group of interested individuals supported by professional groups
 - IPEM could contribute with professional training
- Further research required into
 - Which AIA code to adopt
 - Management of code changes
 - Intellectual property
 - Type of software licence

3 April 2007: Nottingham meeting

- Aims
 - To decide on development platform
 - To establish approach for development of AIA package
- Agenda
 - Demo and evaluation of AIA packages
 - Decision on package to take forward
 - Plan project

3 April 2007: Nottingham meeting

- AIA package demos
 - Nick Keat: IDL for CT
 - John Kotre: DIMOND III image analysis package (VBA)
 - Nick Marshall: IDL for DR
 - Ed McDonagh: ImageJ and IDL for DR
 - Andrew Reilly: IQWorks for CT, DR (C#)
- Evaluation
 - Candid comments from coders about their software
 - Unanimous decision to adopt IQWorks
 - Project given name IQWorks

3 April 2007: Nottingham meeting

- The next steps
 - Andrew Reilly:
 - deal with known bugs (3 months)
 - replace MyDicom with open source DICOM kit (3 months)
 - first line training
 - Ed McDonagh:
 - assist Andrew with replacing MyDicom if required
 - set up project on www.sourceforge.net
 - set up project leads and team
 - read C# for Dummies
 - CTUG:
 - meet cost of project
 - IPEM:
 - professional training

3 April 2007: Nottingham meeting

- Other issues
 - Tracking and approving code changes
 - subversion
 - Copyright: copyleft
 - restrictions placed on distribution of derivative works
 - can acquire source code, change it, and redistribute BUT redistributed code MUST be distributed under the same licence
 - therefore your code cannot be incorporated in proprietary programs
 - Licence
 - GNU general public licence