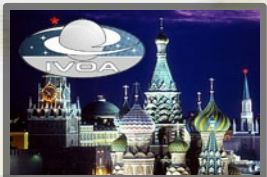


Plastic – Latest developments

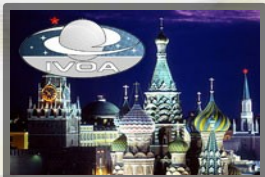
<http://plastic.sourceforge.net>

John Taylor
Thomas Boch
Marco Comparato
Mark Taylor
Noel Winstanley
and others



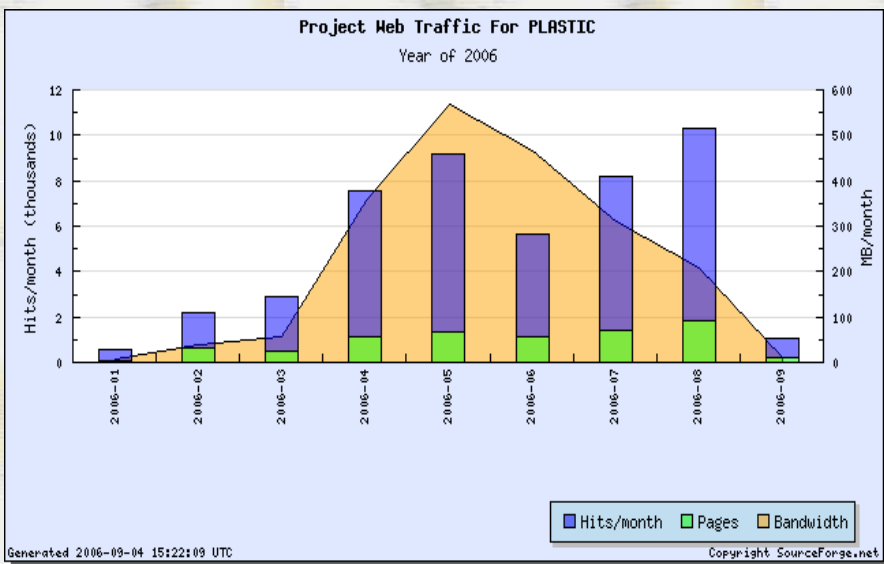
To begin with – a demo

- A pseudo-science case bringing together the Workbench, MySpace, CEA, Plastic, Topcat and VisIVO
 - Using the WB to open a VOTable and...
 - Send it to a remote anomaly detection algorithm
 - Send the results from MySpace to Topcat using PLASTIC
 - Send the results from Topcat to VisIVO using PLASTIC
 - Analyse the results in Topcat and VisIVO
- See the page at:
 - <http://wiki.eurovotech.org/twiki/bin/view/VOTech/AnomalyDetection>



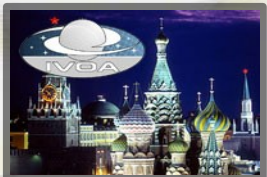
Plastic current status

- > 12 plastic apps
- 9 talks at Victoria



New applications supporting Plastic:

- SPLAT, a spectral analysis tool
- Elink data exploration tool
- Topcat
- Aladin
- AstroScope & Helioscope are part of the VOTable standard. Workbench contains the Astro Client Runtime implementation of the VOTable standard.
- VisIVO
- TabView - A simple interface for VOTable data.
- VAST - A SIAP application for acquiring images in Aladin or other VOTable viewers. Note that VOTable Workbench and will be able to use VAST.
- VOQuest
- VOspec
- eSTAR
- ESDO Streaming Tool
- AstroWeka - a VO-enabled Weka datamining software.



Plastic current status

- Many Java applications
 - 2 x Java libraries exist to help you
- 2 x C++ apps: VisIVO and Eirik
- 1 x Perl
- 1 x Tcl (GAIA)
- Example Python



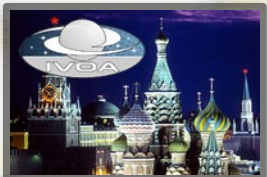
Plastic current status

- Current spec: 0.5 (very minor changes over 0.4)
- Currently concentrating on messages for
 - Loading and manipulating spectra
 - Datamining (selection of interesting attributes, clustering etc)
- Very positive feedback from Astronomers
 - Probably need to engage them more so that they can drive the development...currently very developer-led
- IVOA Note about to be published (this week!)



What's in the pipeline?

- Message logging
- Security?
 - External machines can access your hub
 - Sometimes desirable?
 - Disable by default
 - Does it matter – what do you think?
- API change to make it more convenient to use
 - How to handle backwards compatibility?



To end – another demo

- Demo: Workbench/Plastic – enabled web pages
- This is a prototype!
- <http://plastic.sourceforge.net/tupperware/PlasticApplet/ShowApplet.html>
- Backup URL in case SourceForge is down (again):
- <http://eurovotech.org/wfau/tupperware/ShowApplet.html>