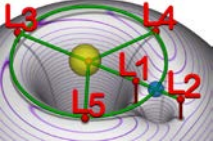












## What are Your Academic & Related Technology Priorities? – Input Needed! Academic Technology Planning Council, Oct 2017 (rev 10-11-17)

	<b>Examples of work (by ATPC <u>AND/OR</u> other group charged)</b>	<b>Products/Solutions (examples – not complete list for consideration)</b>
<p><b>Analytics &amp; data visualization</b></p>  <p><small>Image by User: cmglee via Wikimedia Commons<sup>1</sup></small></p>	<p>Recommend tools and University strategy for licensing &amp; support of comprehensive analytics/informatics and dashboarding tools such as Tableau, Qlik, and SAS Visual Analytics, working w/ stakeholders such as the Analytics curriculum planning committee; also consider needs for niche software such as infographic and diagramming tools</p>	<ul style="list-style-type: none"> <li>Tableau - <a href="https://www.tableau.com/">https://www.tableau.com/</a></li> <li>SAS Visual Analytics - <a href="https://sas.com/en_us/software/visual-analytics.html">sas.com/en_us/software/visual-analytics.html</a></li> <li>Qlik - <a href="https://www.qlik.com/us/">www.qlik.com/us/</a></li> <li>Infogram - <a href="https://infogram.com/">infogram.com/</a> (infographics)</li> <li>Edraw - <a href="https://www.edrawsoft.com/">www.edrawsoft.com/</a> (diagram software)</li> </ul>
<p><b>Augmented/virtual reality</b></p>  <p><small>Image: National Aeronautics and Space Administration</small></p>	<p>Explore options, identify needs, test and/or pilot hardware &amp; software to promote use of augmented/virtual reality in instruction, research &amp; related activities; explore devices (e.g., headsets &amp; sensors) and software/environments</p>	<ul style="list-style-type: none"> <li>Google Cardboard/ Daydream – <a href="https://vr.google.com/">https://vr.google.com/</a></li> <li>HTC Vive - <a href="https://www.vive.com">www.vive.com</a></li> <li>Oculus Rift, Gear VR - <a href="https://www.oculus.com/">www.oculus.com/</a></li> <li>Bravemind - <a href="http://medvr.ict.usc.edu/projects/bravemind/">http://medvr.ict.usc.edu/projects/bravemind/</a></li> <li>Facebook spaces - <a href="https://www.facebook.com/spaces">www.facebook.com/spaces</a></li> <li>VRHealth - <a href="https://vrhealthgroup.com/products/">https://vrhealthgroup.com/products/</a></li> </ul>
<p><b>Data classification &amp; security education</b></p> 	<p>Work with ITS and UNCG Data Stewards to review security requirements, documentation &amp; services (e.g., for data storage); identify opportunities to clarify requirements and recommend products/education to address compliance barriers</p>	<p>Products/solutions/resources TBD – depends on needs identified (e.g., see Web Forms solutions topic) and may include staff/student workers</p>
<p><b>Enhanced accessibility for technology</b></p> 	<p>Identify gaps/challenges with accessibility of UNCG technology services &amp; online resources and recommend solutions; potential topics include closed captioning/transcription, screen readers/magnification, and speech recognition/voice command</p>	<p>Products/solutions/resources TBD – depends on needs identified and may include staff/student workers</p>
<p><b>High performance computing/big data</b></p>  <p><small>Image: Defense Advanced Research Projects Agency (DARPA)</small></p>	<p>Identify resources and support needed to enhance UNCG use of HPC/parallel computing services available thru collaborative partnerships within the UNC system; evaluate how well UNCG compute-intensive and big data processing needs are currently met, and determine if gaps can be addressed thru existing partnerships, or if additional/non-UNC resources are required</p>	<ul style="list-style-type: none"> <li>Henry 2 Linux cluster hosted by NCSU Hardware <a href="https://projects.ncsu.edu/hpc/Hardware/Hardware.php">https://projects.ncsu.edu/hpc/Hardware/Hardware.php</a> Software <a href="https://projects.ncsu.edu/hpc/Software/Software.php">https://projects.ncsu.edu/hpc/Software/Software.php</a></li> <li>UNC CH resources – KillDevil, Kure, UNC CH Virtual Computing Lab <a href="https://its.unc.edu/rc-services/compute-servers-and-clusters/">https://its.unc.edu/rc-services/compute-servers-and-clusters/</a></li> <li>Commercial solutions (e.g., Amazon EC2 - <a href="https://aws.amazon.com/ec2/">aws.amazon.com/ec2/</a>, MS Azure - <a href="https://azure.microsoft.com/en-us/solutions/">azure.microsoft.com/en-us/solutions/</a>)</li> </ul>
<p><b>Interactive video solutions</b></p>  <p><small>Image: UNCG ITS website</small></p>	<p>Review options and recommend solutions for enhanced interactive video and video management – e.g., embedding comments and assessments within videos, video discussion forums, analytics (e.g., video viewing data), and accessibility features</p>	<ul style="list-style-type: none"> <li>Arc by Instructure – <a href="https://www.arcmedia.com/">www.arcmedia.com/</a></li> <li>Ilos - <a href="https://www.ilosvideos.com/">www.ilosvideos.com/</a></li> <li>PlayPosit - <a href="https://www.playposit.com/">www.playposit.com/</a></li> <li>Voicethread - <a href="https://voicethread.com/">https://voicethread.com/</a> (multimedia discussion)</li> </ul>

<p><b>Lecture capture/playback</b></p>  <p>Image by Esh77 via Wikimedia Commons<sup>2</sup></p>	<p>Review UNCG's past study and pilot of lecture capture/playback solutions (Mediasite pilot); assess current interest, including in additional functionality such as use for exam proctoring; recommend options and support based on interest, including potentially lighter-weight solutions</p>	<ul style="list-style-type: none"> <li>• Mediasite - <a href="http://www.sonicfoundry.com/">www.sonicfoundry.com/</a></li> <li>• Panopto – <a href="http://www.panopto.com">www.panopto.com</a></li> <li>• Tegrity - <a href="http://www.mheducation.com/highered/platforms/tegrity.html">www.mheducation.com/highered/platforms/tegrity.html</a></li> </ul>
<p><b>Mass email solutions</b></p> 	<p>Identify needs for mass/bulk email and/or email marketing solutions, including email scheduling; review options and recommend University-level solution and support</p>	<ul style="list-style-type: none"> <li>• Constant Contact – <a href="http://www.constantcontact.com">www.constantcontact.com</a></li> <li>• iModules Email Marketing – <a href="http://www.imodules.com">www.imodules.com</a></li> <li>• MailChimp – <a href="http://www.mailchimp.com">www.mailchimp.com</a></li> <li>• Salesforce – <a href="http://www.salesforce.com">www.salesforce.com</a></li> <li>• SendinBlue – <a href="http://www.sendinblue.com">www.sendinblue.com</a></li> </ul>
<p><b>Online polling/ 'next gen' clickers</b></p> 	<p>Identify needs, review options and recommend a solution and support model for online polling/audience participation technology, targeting a University-level solution to replace disparate clicker technologies adopted in textbook 'bundles'</p>	<ul style="list-style-type: none"> <li>• iClicker – <a href="http://www.iclicker.com">www.iclicker.com</a></li> <li>• Poll Everywhere – <a href="http://www.polleverywhere.com">www.polleverywhere.com</a></li> <li>• Top Hat – <a href="http://www.tophat.com">www.tophat.com</a></li> <li>• TurningPoint - <a href="http://www.turningtechnologies.com/turningpoint">www.turningtechnologies.com/turningpoint</a></li> </ul>
<p><b>Screen mirroring/sharing</b></p>  <p>Image by Intel Free Press via Wikimedia Commons<sup>3</sup></p>	<p>Investigate interest and features desired in screen sharing/mirroring tools (e.g., wireless display of instructor/student devices in classroom); test solutions and make recommendations to ITS for deployment (e.g., learning spaces); suggest campus standards for department/unit purchases</p>	<ul style="list-style-type: none"> <li>• Mirroring360 - <a href="http://www.mirroring360.com/">www.mirroring360.com/</a></li> <li>• Reflector - <a href="http://www.airquirrels.com/reflector/">www.airquirrels.com/reflector/</a></li> <li>• Sharelink - <a href="http://www.extron.com/raveedsharelink3">www.extron.com/raveedsharelink3</a></li> </ul>
<p><b>Qualitative data analysis support</b></p>  <p>Image by fiona.mcgowen via Wikimedia Commons<sup>4</sup></p>	<p>Review with ITS the status of qualitative data analysis (QDA) technology services supporting analysis of text &amp; media (e.g., interviews, focus groups, survey open-ended responses, published material); gather input regarding constituent needs; recommend enhancements (e.g., tools, training, support) as appropriate</p>	<ul style="list-style-type: none"> <li>• QDA software examples: Atlas.ti - <a href="http://atlasti.com/">http://atlasti.com/</a> Dedoose - <a href="http://www.dedoose.com/">www.dedoose.com/</a></li> <li>• QDA training &amp; consulting service example: Research Talk - <a href="http://researchtalk.com/">http://researchtalk.com/</a></li> </ul>
<p><b>Web forms solutions for data collection</b></p>  <p>Photo by Unknown Author is licensed under <a href="https://creativecommons.org/licenses/by-nc-nd/">CC BY-NC-ND</a></p>	<p>Identify clients with needs for collection of data above low risk as defined by UNCG's Data Classification policy (<a href="https://policy.uncg.edu/university-policies/data/">https://policy.uncg.edu/university-policies/data/</a>); determine features and support needed; work with ITS to identify, test, and recommend solutions meeting security and usability standards</p>	<p>Products mentioned in Sept ATPC mtg discussion w/ ITS:</p> <ul style="list-style-type: none"> <li>• Formstack - <a href="http://www.formstack.com/">www.formstack.com/</a> [used by UNC CH]</li> <li>• Qualtrics - <a href="http://www.qualtrics.com/">www.qualtrics.com/</a> [would require security configuration/practices not currently applied to Qualtrics at UNCG]</li> </ul>

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2 By Esh77 - Own work, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=31041312>

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