AUR BRAMScope®



Digital Pathology Image Management Solutions

Healthcare, Biomedical Research and Education

Online, Anywhere, Anytime

Today's Agenda (Cadiz)

Who is Dr. Erik Yeo

Who is Aurora mScope?

Auroras perspective of digital pathology development

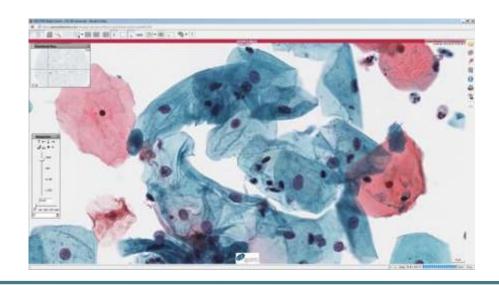
What are the features in any DP solution that end-users should be considering?



Erik Yeo MD FRCPC

- CEO and CMO of Aurora mScope (2005-pres)
- Professor of Medicine
- University of Toronto
- University Health Network
- Hematology, Oncology and Laboratory Medicine





Who is Aurora mScope?

- Canadian software company, focused solely on digital microscopy, whole slide images (WSI) and digital pathology software solutions (since 2005)
- Innovative, web-based software applications for WSI viewing, image file management and communication around digital microscopy images and other medical (DICOM) images
- We are not an end-end DP solution or scanner company but are experts in digital WSI management, communication
- Our software development philosophy is summarized in:
 - Universality
 - Inter-operability
 - Flexibility and Open architecture (plug and play objective)
 - End user-oriented development and collaboration
 - Web-based "cloud" technologies
- Networks in 12 countries including France, Canada, United-States, Austria, Spain, Holland, Africa, Asia, over 15,000 users served from 63 individual sites
- Image management solutions for SEAP and this conference
- Proven Clinical Telepathology, Research/Pharma and Educational Digital Microscopy Solutions



Universal and Inter-operable Solutions

Hardware: Flexible choices

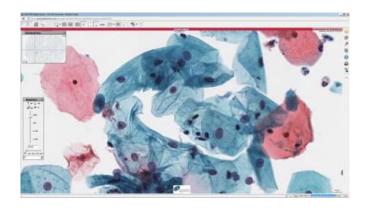
DOS

MAC

Linux

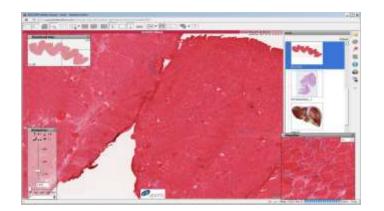
tablets

smart-phones



Fexible, fast, simple and secure access to images, applications and associated case materials

within institutions
outside institutions (home, with travel)
cloud/web-based solution
optional desktop-based solution
multi-level security
fully regulatory compliant

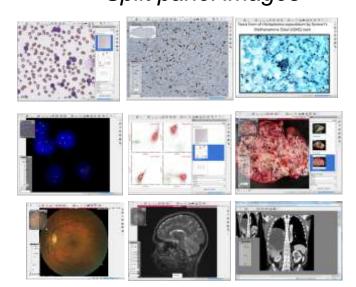


Universal Image Viewer

Don't Be Restricted By A Single Scanner Image Format/Solution

Image scanner vendor and WSI format neutral or agnostic viewing solution

DICOM
3D or Z-stack,
View other image types
Annotations (POI)
Multi-Ch IF
Split panel images































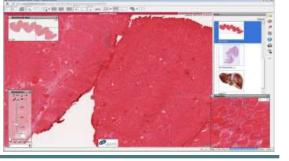


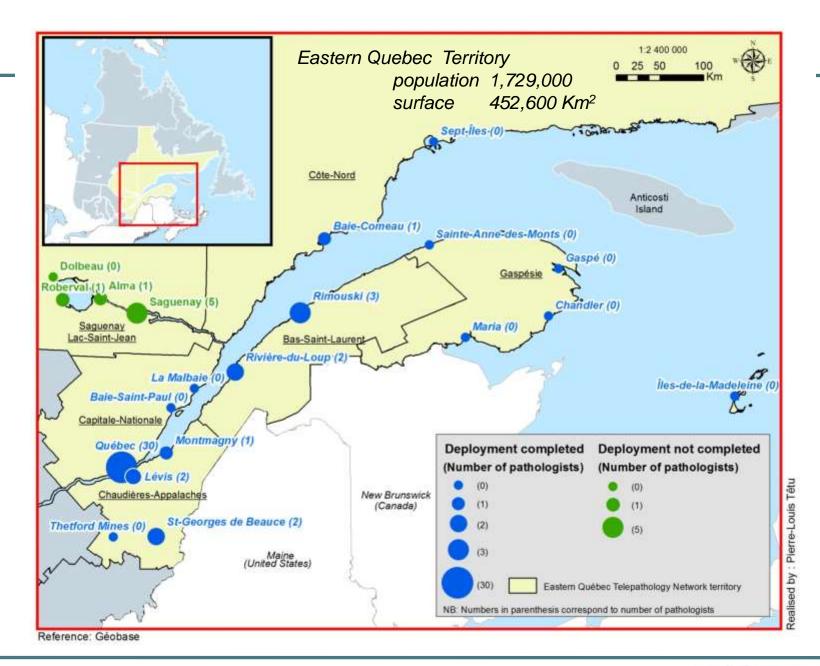
Universal and Inter-operable Solutions

Open architecture software solution:

So you can select best-of-breed of other solutions and platforms for integration into your management system :

- Plug-in any slide scanner
- Integrate anyones image analysis and artificial intelligent solution
- Integrate macro "grossing" station for distant tele-pathology
- Laboratory information systems
- Electronic Patient Record (EPR)
 - Enhances pathology relevance and visibility
- The ability to do this starts with how your software was developed and whether it is developed as an open system with integration in mind





Sept-Iles

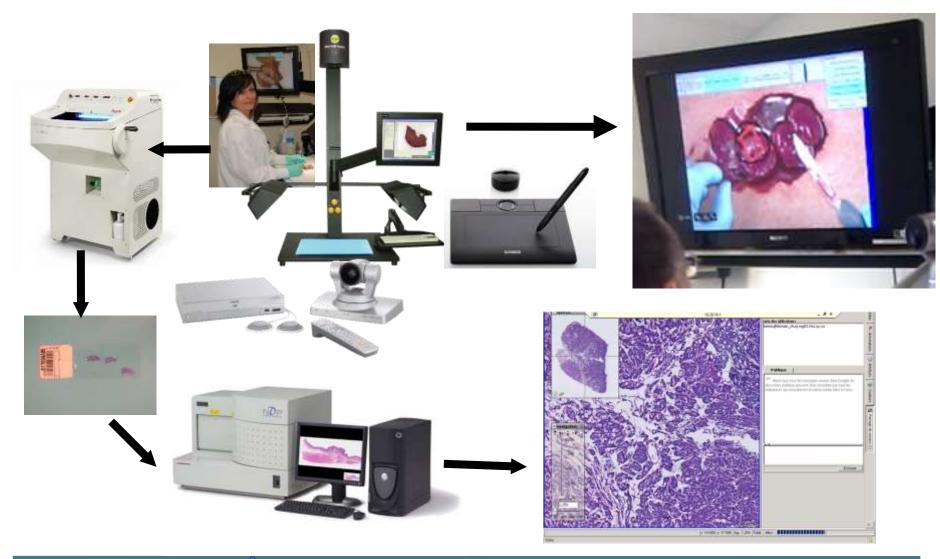
Technologist

652 km

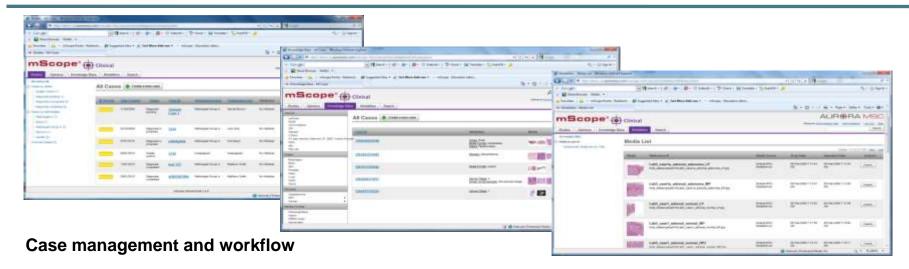


Quebec City

Pathologist



Flexible Clinical Solutions: Collaboration, Sharing, Analysis



- Flexible, configurable workflow solutions (workflow engine)
- One workflow solution does not fit all pathologists
- Automated linked case data i.e genomics, image analysis, spectral analysis, other informatics

Optional Reporting solutions: integration into LIS or stand alone reporting solutions (commercial consultation)

- Built-in information exchange and sharing solutions:
 - Automated Email notifications for workflow and reportiing
 - Real-time image sharing between colleagues (think online multi-headed microscope



Image Analysis and Al Integration













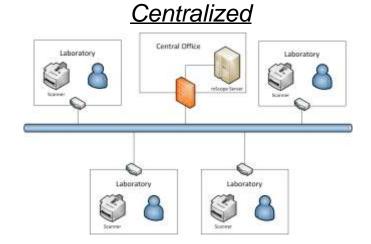
Open solutions so that you can simply and cost-effectively plug-in or change



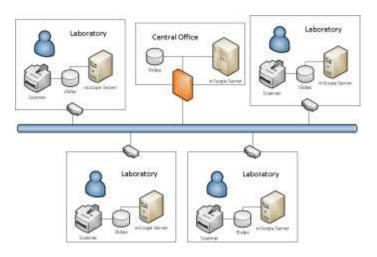
Architecture "Flexibility"

- Flexible Architecture Options
 - Centralised Server Solution
 - Distributed Server Solution
 - Hybrid Server Solution

- Our experience and expertise with tailored multi-site solutions
 - Centralised (REFCOR)
 - Distributed (Serendipia, RUIS-UL)
 - Hybrid (IDEXX, Conticanet)



Distributed





Conclusion

- ✓ Universal Viewer
- ✓ Flexible User oriented solution
- ✓ Web/Cloud based solutions
- ✓ Open hardware solution:
 - All connected devices (PC, Tablet, telephone) on all platforms (Windows, Mac, iOS, Android)
- ✓ Interoperable:
 - scanners, image formats, analysis and intelligence, LIS, EPR etc.)
- ✓ Collaborate, communicate and simply share information
- ✓ Flexible Architecture Solutions:
 - Centralised, Hybrid and Distributed
- ✓ Secure, Compliant and Scalable

