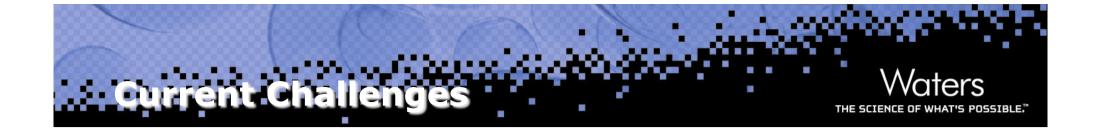


Addressing Lean Processes in an analytical Laboratory: Harmonizing LIMS, Instruments and SOP's

KVCV Dag – 8 december, 2009
 Stefaan Thielemans
 Strategic Business Manager,
 Waters, Informatics Europe







IT challenge:

 Approx. 300 applications to be supported and maintained



Lab Challenge:

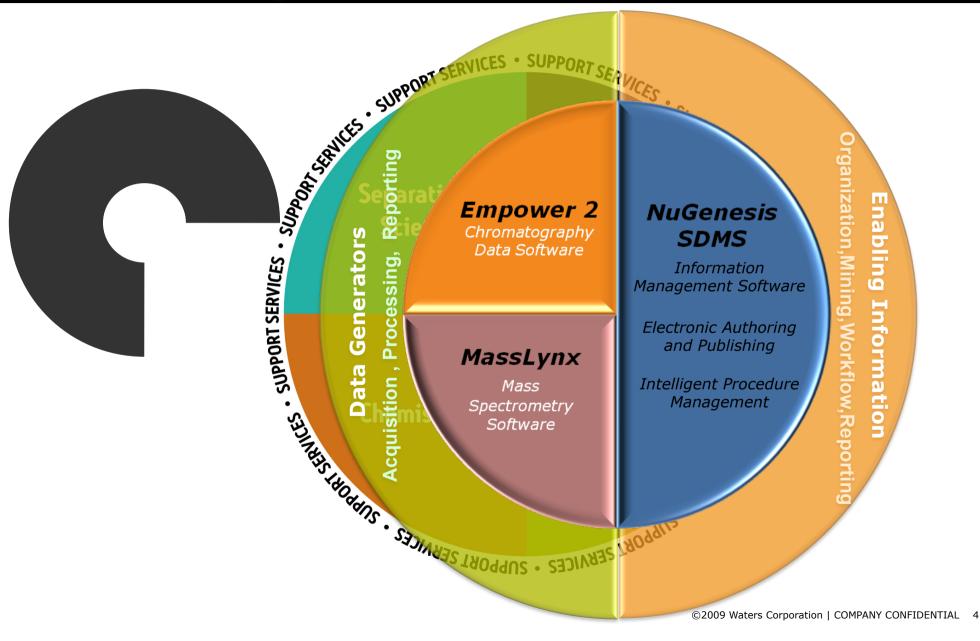
- 50% of analyst time spent at:
 - Manual data transfer
 - Documenting experiments
 - Peer Review
 - SOP's
- Compliancy
 - QA relations
 - Signature workflows
 - Compliancy (GxP/part 11)





Technology Portfolio+ Expertise



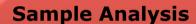


Strategic integrations 'from vial-to-file': Where are your data touch points?

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Data Processing / Data Management

Empower

The last forces have paint to	
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Data Review & information Management

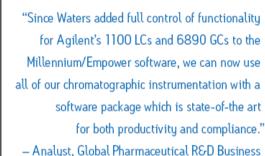


Multi Vendor Contro



- Benefit to the Customers: One Software solution for all chromatographic systems
 - Reduced Training, Validation and Support
- Available Today
 - 14 Vendors with 180 Instrument modules
 - 78 New Modules added since introduction
 - Instrument Control Available from all major LC Vendors including Waters, Agilent, Shimadzu and Hitachi
 - Instrument Control Available from major GC Vendors including Agilent, PerkinElmer, Shimadzu and Varian
- More instrument control to come





SDMS Data Adapters







































... A Typical Paper Based SOP Workflow

1. Assign Test.



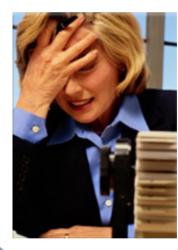
2. Analyst performs analytical test.



5. QA team monitors process to ensure process efficiency and compliance.







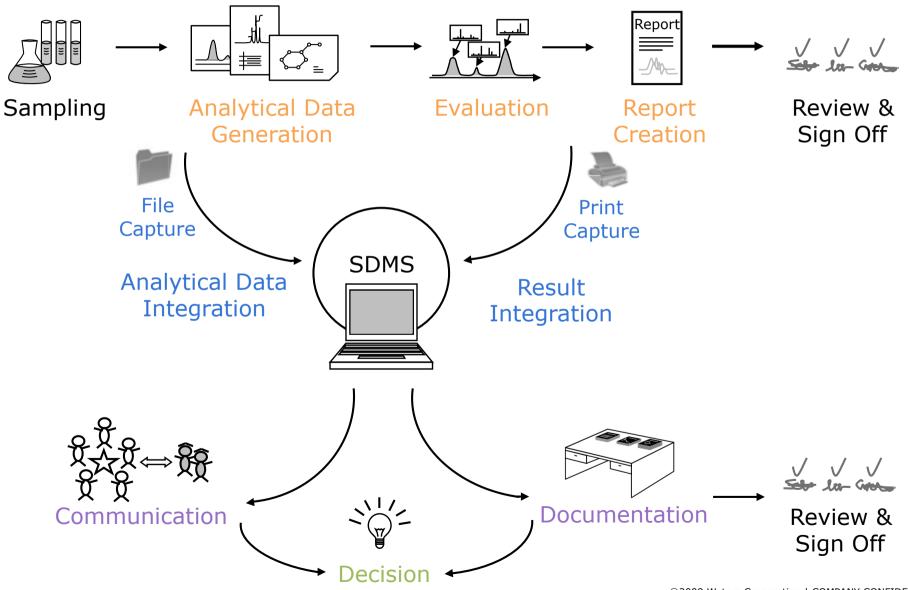
3. Analytical data acquired and form documents completed.



4. Supervisor/manager reviews completed tests and provides wet signature.

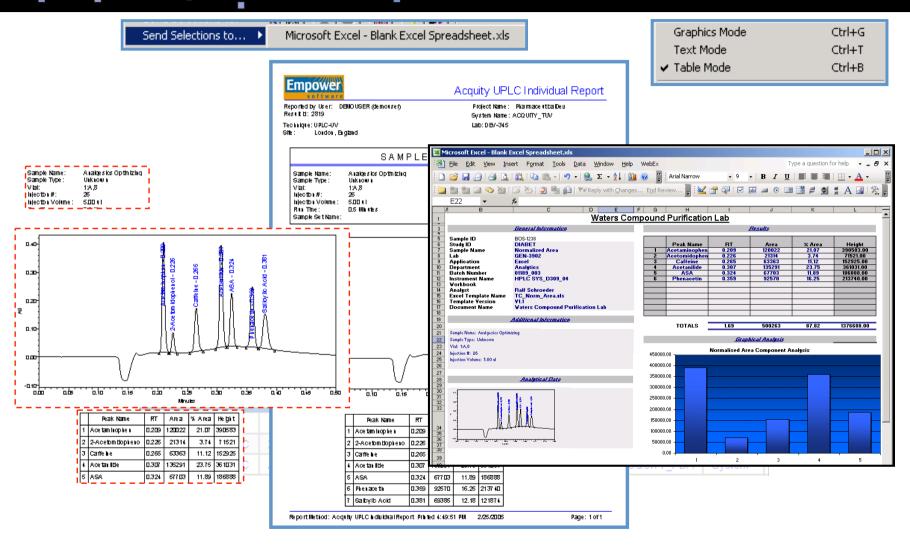








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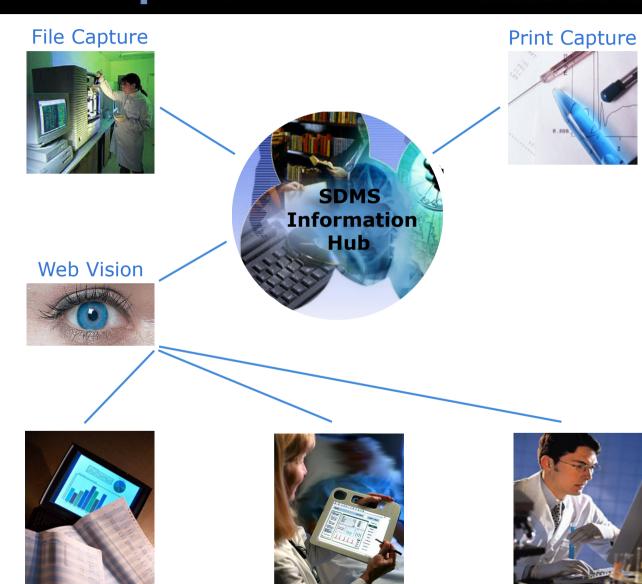


Connecting Science to Business"

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Scientific Content Capturing

Business Connection



Statistical Analysis

Specialized Elab Notebooks

LIMS

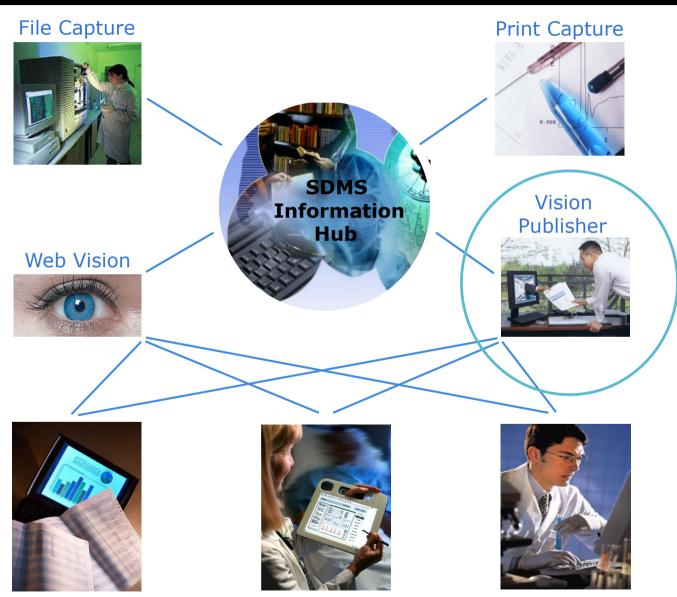
"Connecting Science to Business"

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Scientific Content Capturing

Business Connection



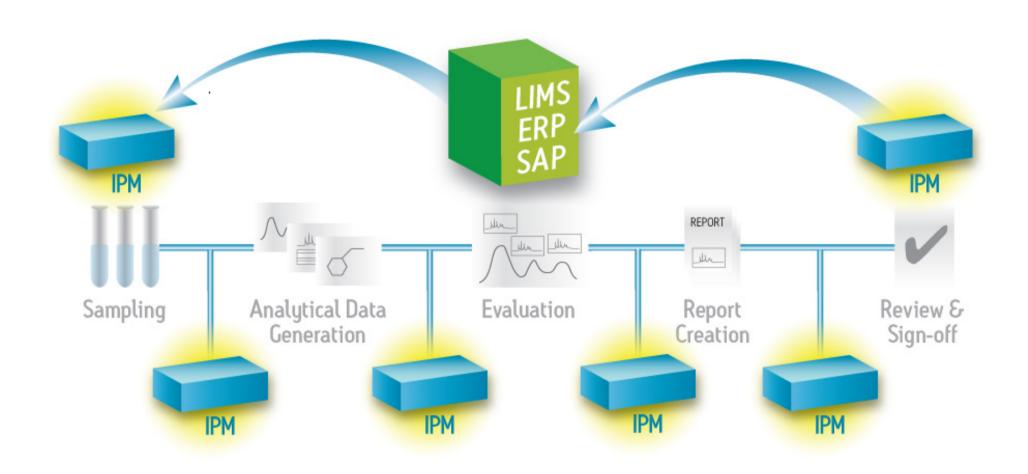
Statistical Analysis

Specialized Elab Notebooks

LIMS

Intelligent Procedure Manager streamlines the Documentation Lifecycle

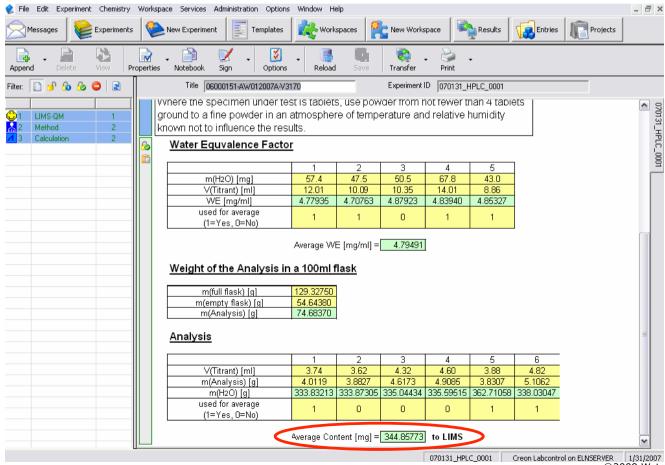




Template for Karl Fischer Analysis



The final value (only the single numerical value) is transferred to LIMS after approval



ng to an Electronic Procedur m-lines Production

1. Assign Test.

2. Analyst guided through procedure with SDMS IPM.



5. QA team monitors process to ensure process efficiency and compliance.





3. Procedural forms and analytical data collected and cataloged in IPM.



Capture and catalog:

- Original file
- Project data Printed Report
- Meta data

4. Review of final reports in IPM and approve with e-signatures.



Strategic Partnerships and Opportunity



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Integrations/ Workflow

LabWare LIMS
LabVantage LIMS
StarLIMS
Labtronics
Symyx Tech.
CambridgeSoft
Mettler Toledo

Integrations/
Data Analysis

Dotmatic
Umetrics
ACDLabs
S-Matrix
SpotFire
Novatia
Pharsight
MaxEnt

Integrations/ Services

Da Vinci Europe

MindTech

Mphasis

Informatech

Patni LS

Csol

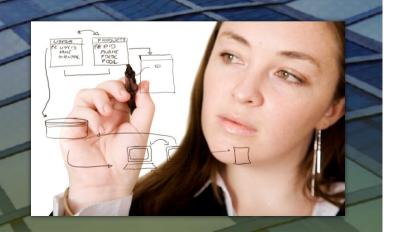
Lab Answer

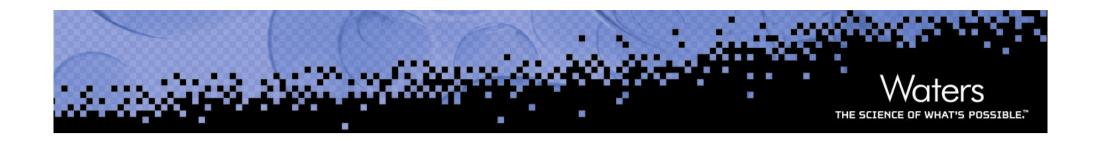
Scimcon

Reseller/Distributer

ChemWare Shimadzu Hitachi Technology/
Platform Ecosystem

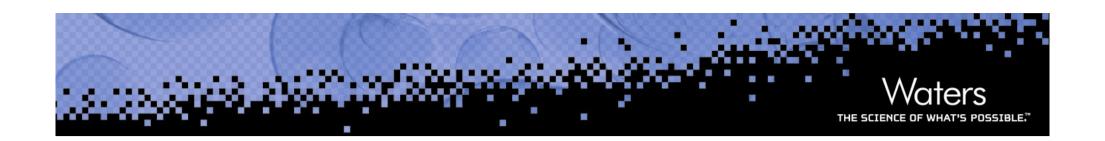
Oracle
IBM
SAP
Microsoft
Citrix
Lenovo





- SDMS' central repository for
 - File and Print Capture
 - Embedded Database
 - Personalized Database views
 - GxP compliant Ready
- SDMS Vision Publisher
 - Interactive information use
 - Connection Business to Science Results
- Automating Lab Workflows in a "paperless" environment





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