Optimization Quality Laboratory

oqlab

Laboratory Information Metrology Management System (LIMMS)

www.oqlab.com

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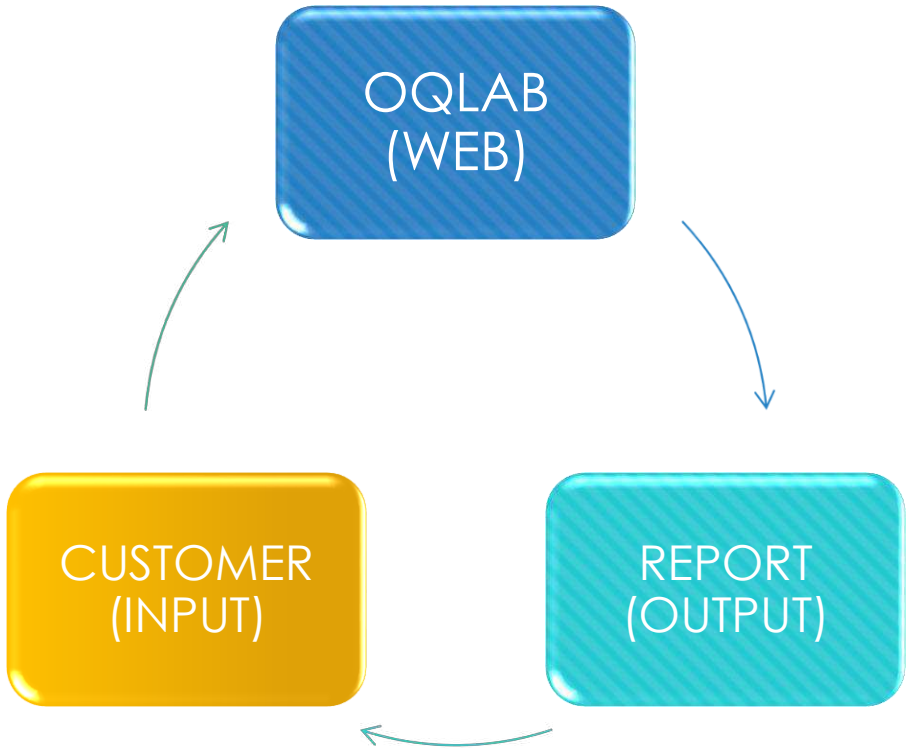
Dr Francesco Di Palo *Metrology Expert*

Dr Vincenzo Bianco *Metrology Expert*

The Software Platform

THE PROJECT MOTIVATIONS

- Easy and fast ***web based technology*** with the maximum level of accessability.
- No installations and/or hardwares at high parformance are required.



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THE PROJECT AIMS

- To organize the laboratory metrology (e.g. labrotaries accredited to ISO 17025).

- To manage complex processes, making them simple and intuitive.

- To reduce the paper use for paperless company.

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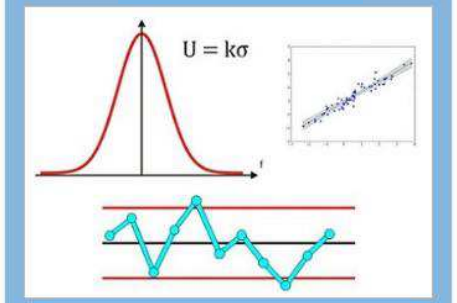
The Software Platform

WHAT CAN BE DONE

- Instruments management
- Estimation of measurement uncertainty
- Quality assurance
- Data supervision
- Staff training

Test Methods



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Instruments management

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Data supervision

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Staff training

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OTHER OFFERED SERVICES

- Free assistance
- Assistance on the modification of procedures

- New tool development
- Standard upgrade

- Update of the computing tools following the regulatory upgrades

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ACCOUNT MANAGEMENT

- Different accessability levels are available with the possibility to create users (Admin, limited, read only).

ACCESSABILITY AND DATA PROTECTION

- Unlimited service accessability from all devices (e.g. pc, smart phone, tablet, etc.) .

- The hosting and backup services are guaranteed by ISO 27001 certified provider.

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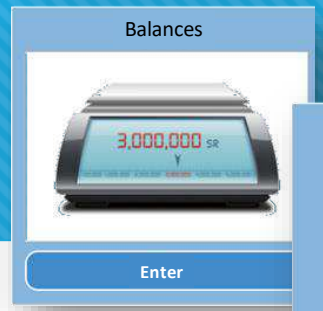
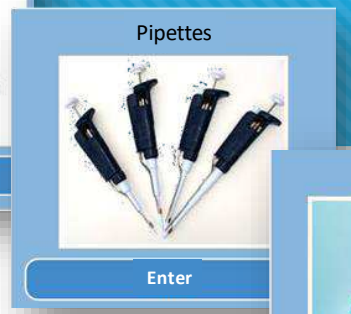
INSTRUMENT MANAGEMENT

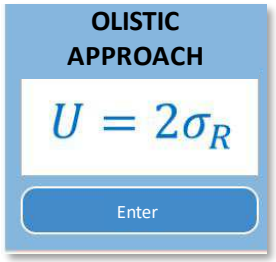
- The software Platform permits to menage calibrations and intermediate checks of various type of instruments, such as balances, pipets and thermometers.

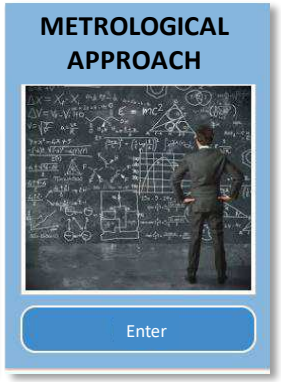




ESTIMATION OF MEASUREMENT UNCERTAINTY

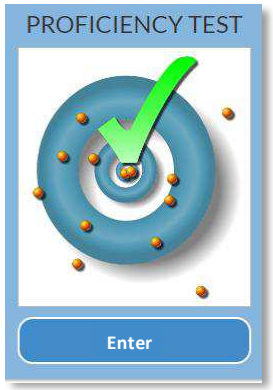
- Various types of approaches are available.

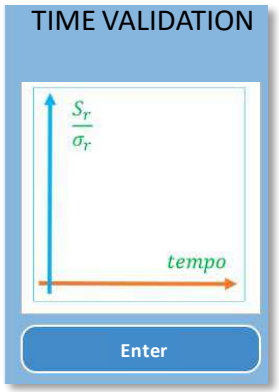


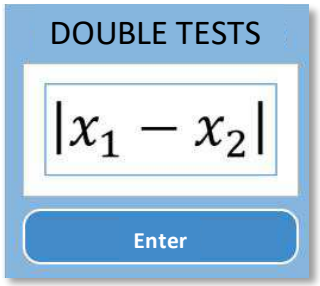


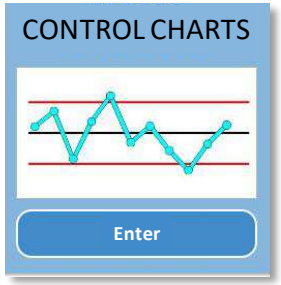
QUALITY ASSURANCE

- Different tools for the performance monitoring are available.









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The Software Platform

OTHER OFFERED SERVICES

- Microbiology

ISO 13843 APPROACH

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ISO 29201 APPROACH

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ISO 19036 APPROACH

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- Air

ISO 20988 APPROACH

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ISO 16911 APPROACH

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COMING OFFERED SERVICES

- 3D Metrology
- Complete English translation of the software platform

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THANK YOU FOR YOUR ATTENTION

For any information, and possible collaborations, please contatc:

ele.dilonardo@gmail.com

ANOVA and Linearity Test ISO 8466- 1:1990

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- ISO 8466-1:1990

Type B Contributions

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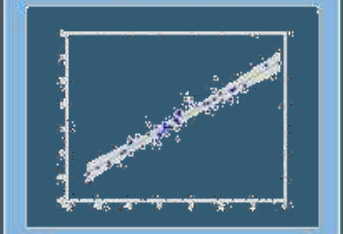
Calibration



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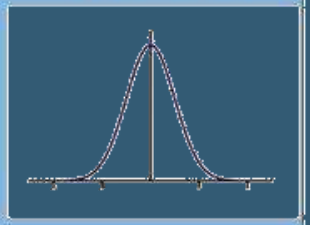
- UNICHIM Manual N.179/1 Ed. 2013
- UNICHIM Manual N. 179/0 Ed. 2011
- Eurachem QUAM 3rd Ed. (2012)

Repeatability



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- UNICHIM Manual N.179/1 Ed. 2011

Exactness

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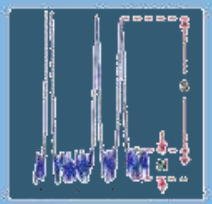
- Nordtest TR 537 ed. 3.1 2012
- Eurolab TR No. 1/2006
- Eurachem QUAM 3rd Edition (2012)

Revelation Capability (LOD and LOQ)



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- EPA Chapter One rev. 1 July 1992
- UNI ISO 11843-1:2009
- UNI ISO 11843-2:2009
- UNI ISO 11843-3:2010
- Eurachem FPAM 2014

Precision Data Verification

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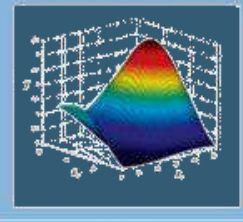
- UNICHIM Manual N.179/1 Ed. 2011
- AMC Technical Brief N.17 July 2004
- AOAC "Appendix F: Guidelines for Standard Method Performance Requirements"

Robustness



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