

GRAPHICAL USER INTERFACE PROGRAMMING CHALLENGES MOVING BEYOND JAVA SWING AND JAVAFX

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Objectives

Motivation: Oracle to stop support for Java Swing and JavaFX technologies

Identifying the best programming language to write GUI

Outlook for improving our GUI software architecture

Results

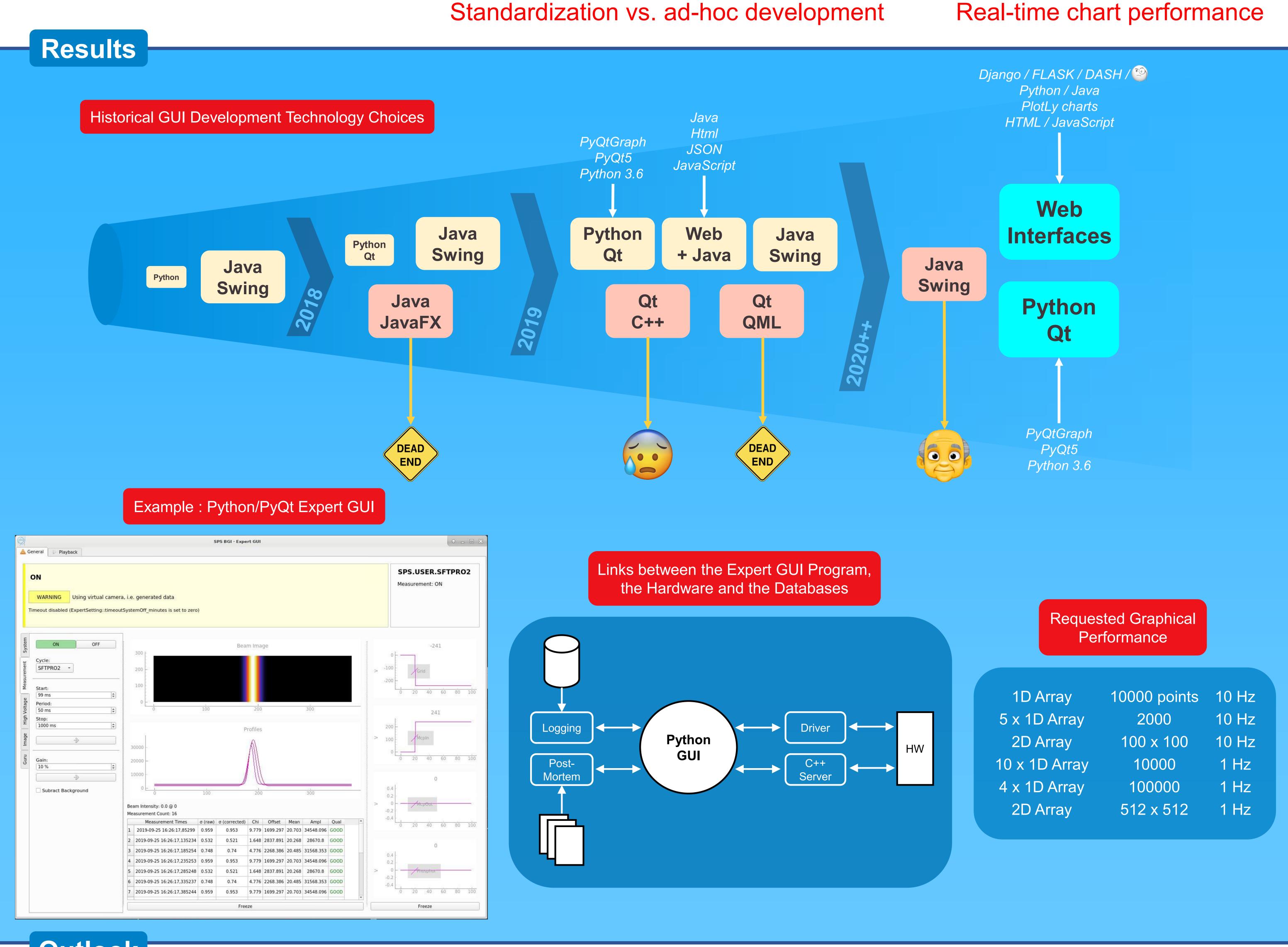
Python using PyQtGraph chosen.

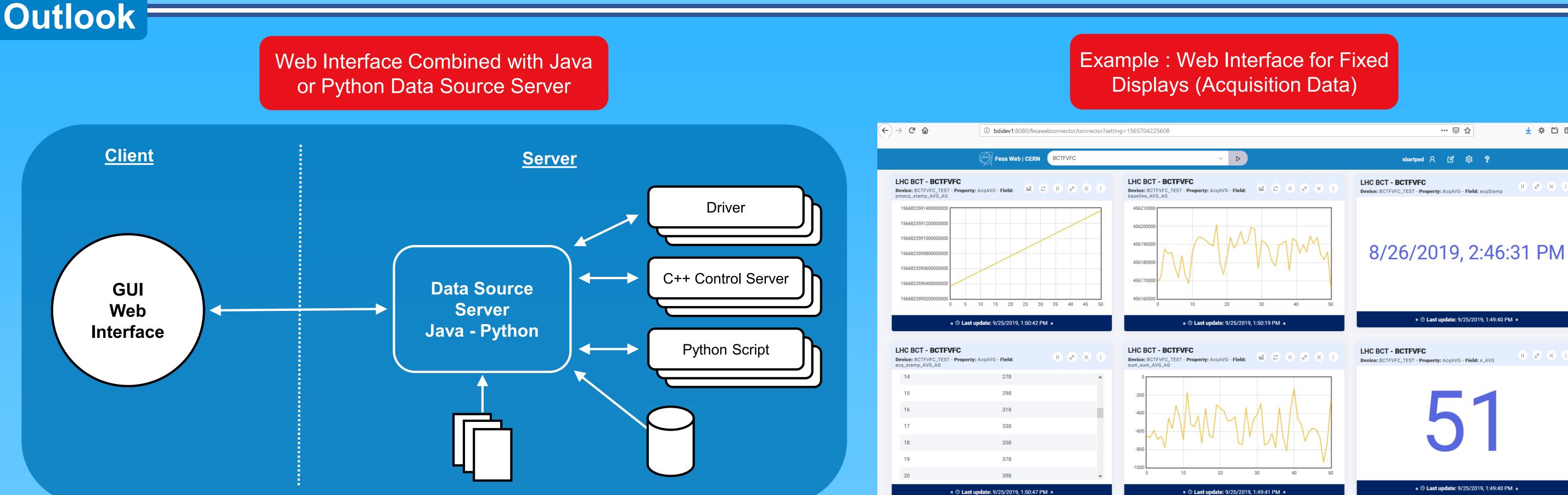
Quick learning curve Scientific and mathematical libraries Performance of charting components Documentation and huge web community Long-term maintainability More guidance for code structure

Outlook

Big interest for web interface

Fixed displays tested Multi-platforms Client-server mechanism GUI standardization Combination with Python Security







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