

DNA Testing Policy Conference

Andy Williams – Prague, 11th October 2011



Overview

- Background
- The Forensic Commercial Journey
 - Benefits
 - Outcomes
- Opportunities
- Lessons Learned

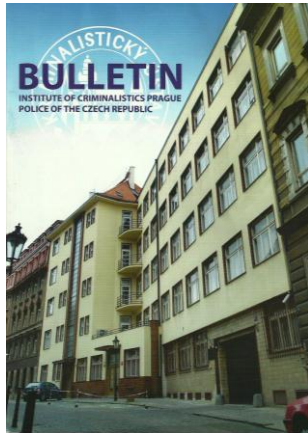


Background -Andy Williams

- Forensic Scientist
- Account Manager
 - Police
 - HM Revenue and Customs
- Project Manager
 - Czech Republic
 - Lithuania
 - Turkey
- Business Development
 - Transformation of Violent Crime



Background - Czech Republic



- Pre Accession Advisor – EU funded PHARE Project
- DNA Database including legislation
- A Quality Management System in preparation for ISO 17025 accreditation
- A strategic plan for the development of forensic science in the Czech Republic
- Video enhancement capability and covert training for Police units



Background - Lithuania

- Pre Accession Advisor – EU funded PHARE Project
- Full Laboratory build
- Procurement
- Training and implementation
- DNA Database including legislation
- A Quality Management System in preparation for ISO 17025 accreditation



Commercial Journey

- Forensic Science Service
 - Government Department
 - Trading Fund – Forensic Marketplace
 - Government Owned Company
 - Privatisation



Commercial Journey

➤ Benefits

➤ To Our Customers

- Savings
- Turn Around Times
- Choice

➤ To the Criminal Justice System

- Speed of Justice
- Output aligned to process



Opportunities

- Commercial Approach allowed us to
 - Match capacity with demand
 - Deliver new services
 - Work closely with customers and broader Criminal Justice System

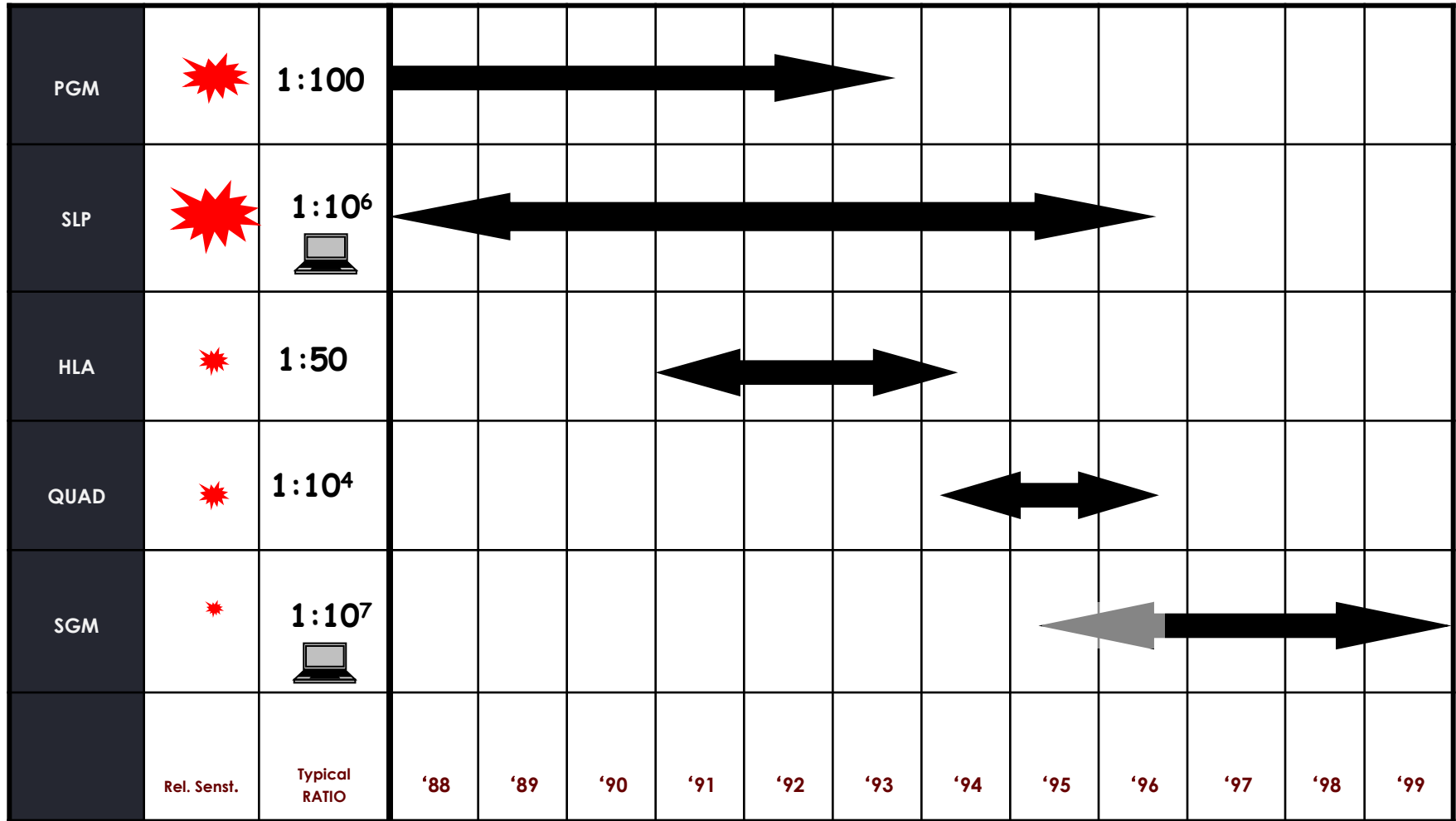


Sexual Offences Service

- Supported HMIC Thematic that identified issues in sexual offence investigation
- Worked with broader CJS – intervention wider than providing forensic evidence
- Worked with SARC, ISVA's – training, environmental monitoring
- Trained specialist officers
- Provided 24 hour advice
- Collected and analysed performance data
- Worked with Forces to improve data – evidence recovery, paper work, early intervention, bespoke evidence recovery kits



Historic body fluid identification techniques

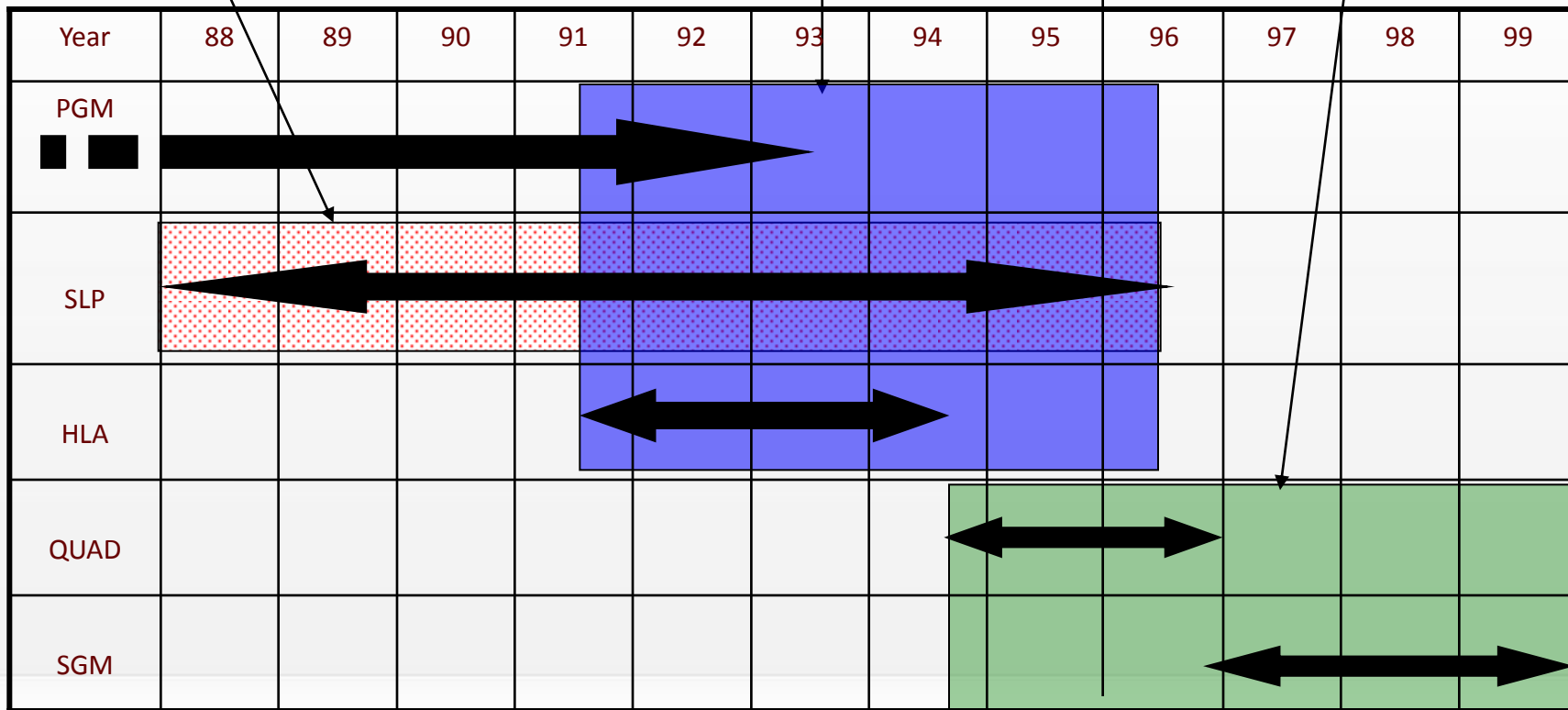


Operation Advance

Op Advance: Only crime stains on the SLP database

Op Advance III: All outstanding cases between '91 and '94

Op Advance II: All QUAD cases and only SGM cases which were partial.



Cold Case Review



- Submission forms
 - Contemporaneous notes
 - Scientist's statement
- plus**
- Victim's statement
 - Sexual offences forms
 - Records of telephone calls
 - Possible suspects.

Operation Advance - Outcomes

- Advance 1 – 215 cases analysed, 34 names identified, 35 profiles matched no individual
- Advance 2 – 328 cases analysed, 40 names identified, 40 profiles matched no individual
- Advance 3 – 85cases analysed, 14 names identified, 9 profiles matched no individual



Operation Advance - Outcomes

40 Convictions
7 Life sentences plus over 230 years imprisonment



Opportunities

- FSS failing to win tenders resulting in loss of work, over capacity, running at a loss as a business
 - Prices too high
 - Turn around times too long
 - Perceived quality issues

- Initiated radical transformation programme
 - Re designed processes using Lean Sigma
 - Reviewed organisational design
 - Re aligned accountabilities



Transformation in Violent Crime

- Electronic case file to
 - Reduce repeated checking of data
 - Improve case management
 - Allow remote checking

- Realigned Staff Accountabilities
 - Separated simple DNA processing, supported by IT
 - Stripped out increasingly commodity driven DNA

- Improvements
 - Turn around from 35 to 7 days
 - 40% reduction in costs



Opportunities

- Commercial Approach prevented
 - Investment
 - Bringing new technology to market difficult



Lessons Learned

- Commercial Approach?
- FSS Closure Imminent
 - Loss of resource
 - Gap in capacity
- Lessons for the Czech Republic?
 - Clear benefits in terms of investment and match capacity to demand
 - Significant improvements in science and performance possible – deliver real benefits to the Criminal Justice System
 - Is a full commercial model a step too far?

