

The Hague, The Netherlands



Netherlands Forensic Institute
Ministry of Security and Justice

Trends, Challenges and Strategy in Forensics

*Keynote Remarks
Forensics@NIST
29 November 2012*

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Chief Executive Officer*



Main Characteristics



Molecular Biology



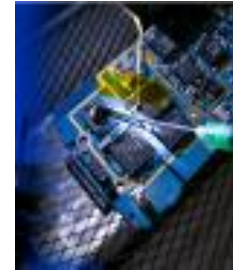
Crime Scene & Incident Teams



Forensic Medicine



Forensic Chemistry



Digital Technology



Micro Traces



Training & Education



Biometrics

2012:

Caseload: 80,000

Staff: 700 (incl)

Budget: 100 m\$



ISO 17025



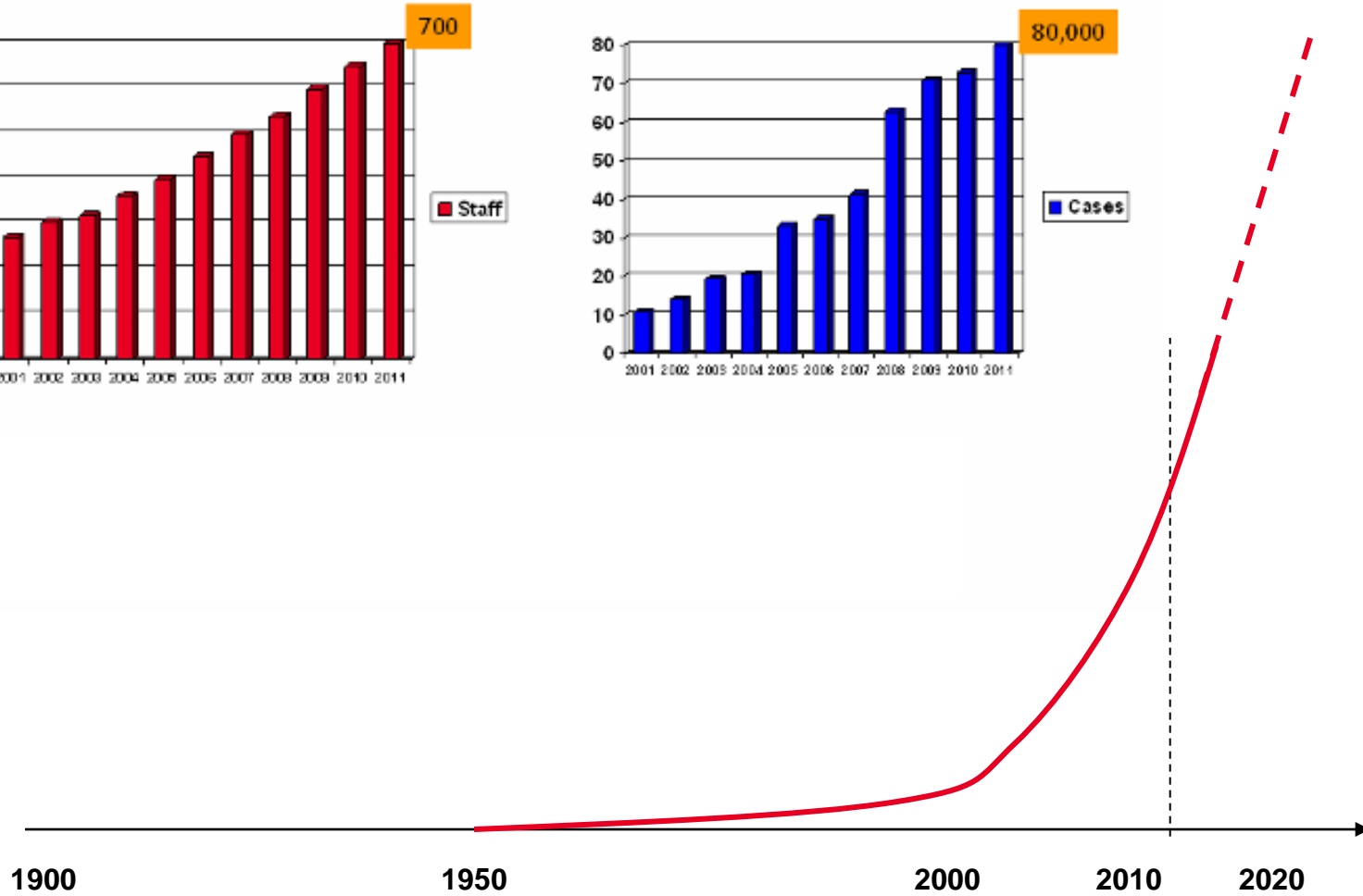
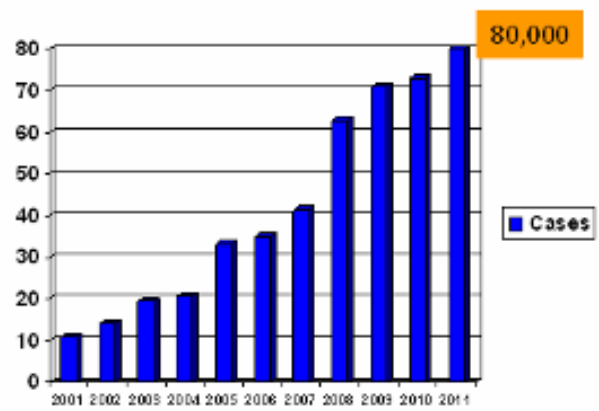
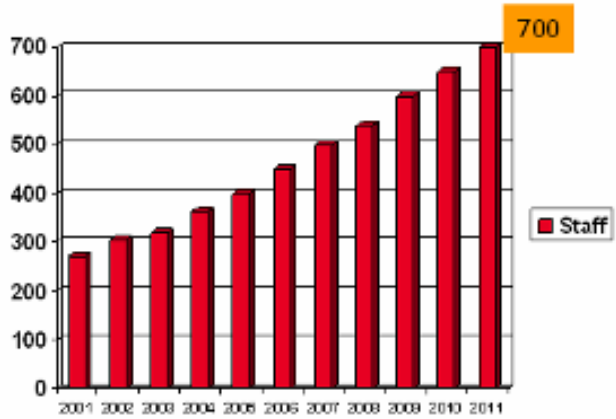
Trends

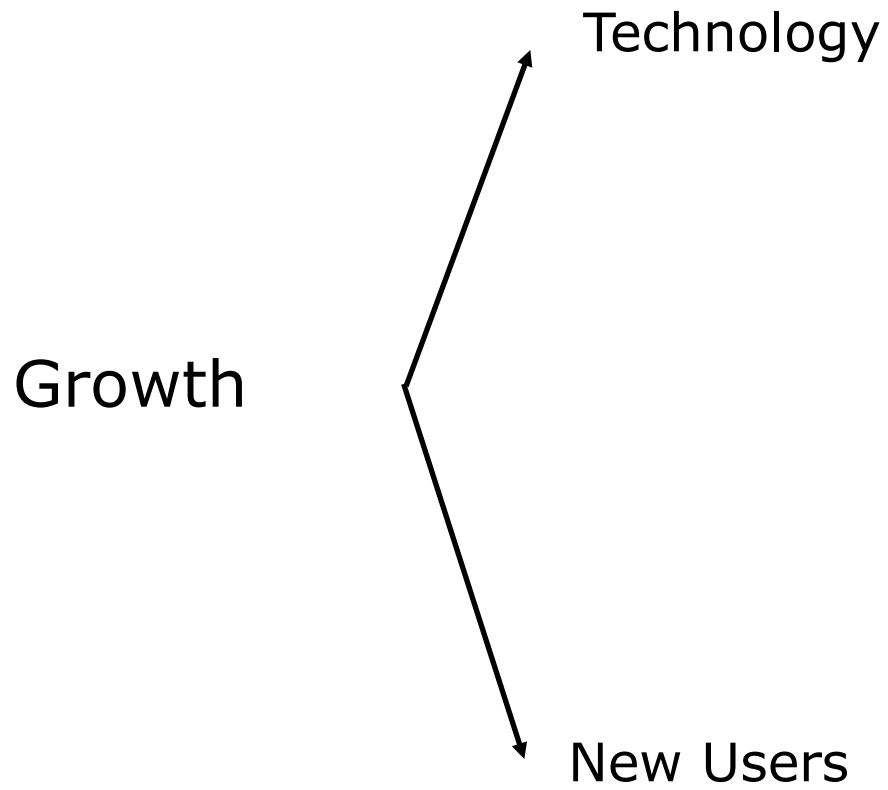
Challenges

Strategy



Growth

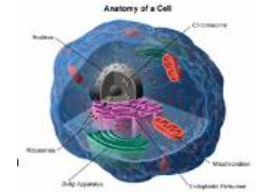




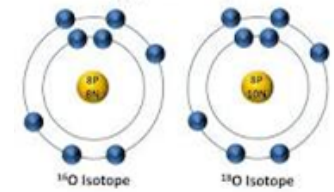
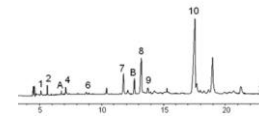
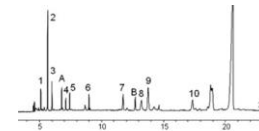


Technology

DNA / RNA-Cell Typing

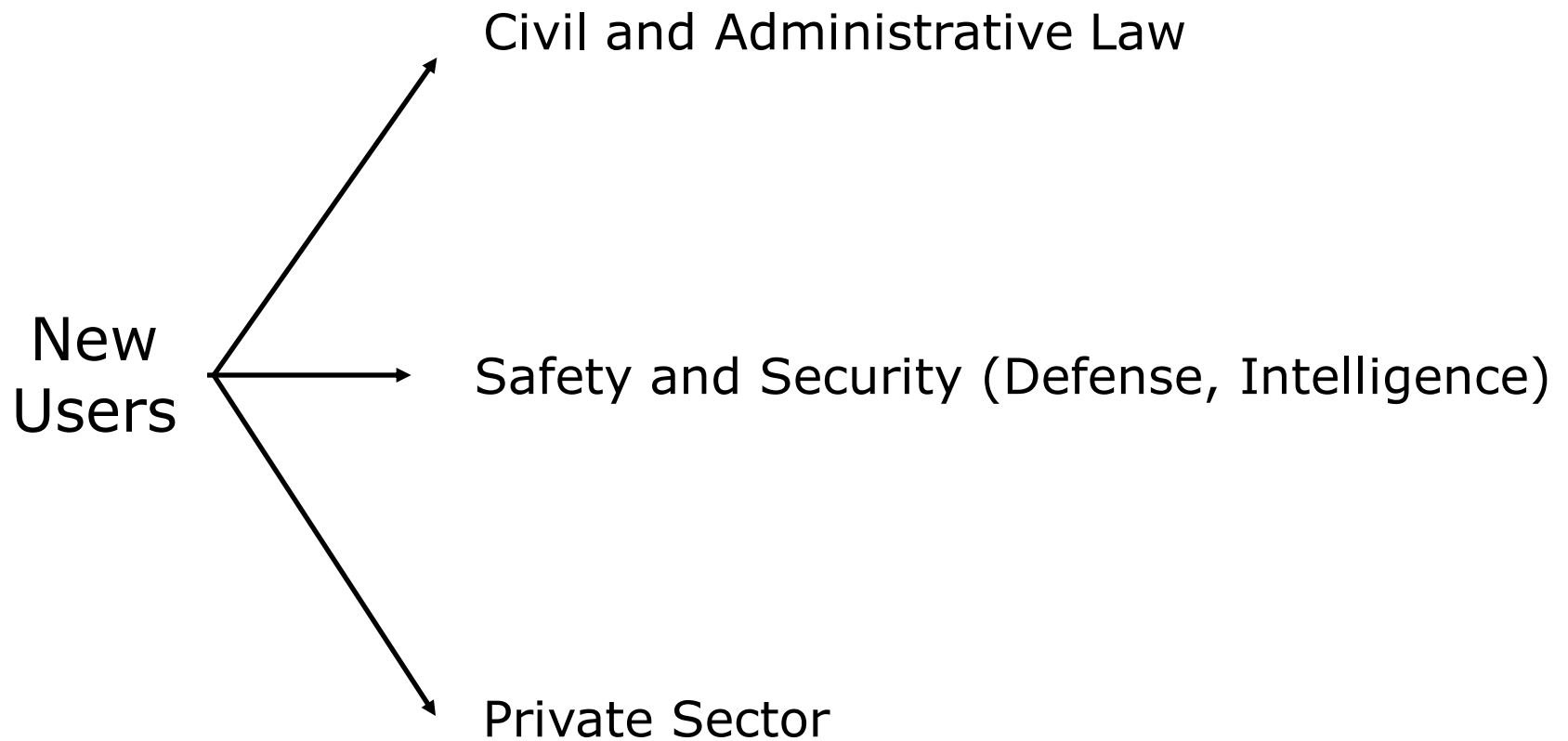


Chemistry



Digital Technology





Customers



Openbaar Ministerie



POLITIE



Customers



Openbaar Ministerie



Defensie



Sociale Inlichtingen- en
Opsporingsdienst
Ministerie van Sociale Zaken en
Werkgelegenheid



Belastingdienst



Ma



Kansspelautoriteit

Douane



Immigratie- en Naturalisatiedienst
Ministerie van Justitie



AFM
Autoriteit Financiële Markten



DE ONDERZOEKSGRAAD
VOOR VEILIGHEID



FIOD
Belastingdienst



Koninklijke Marechaussee



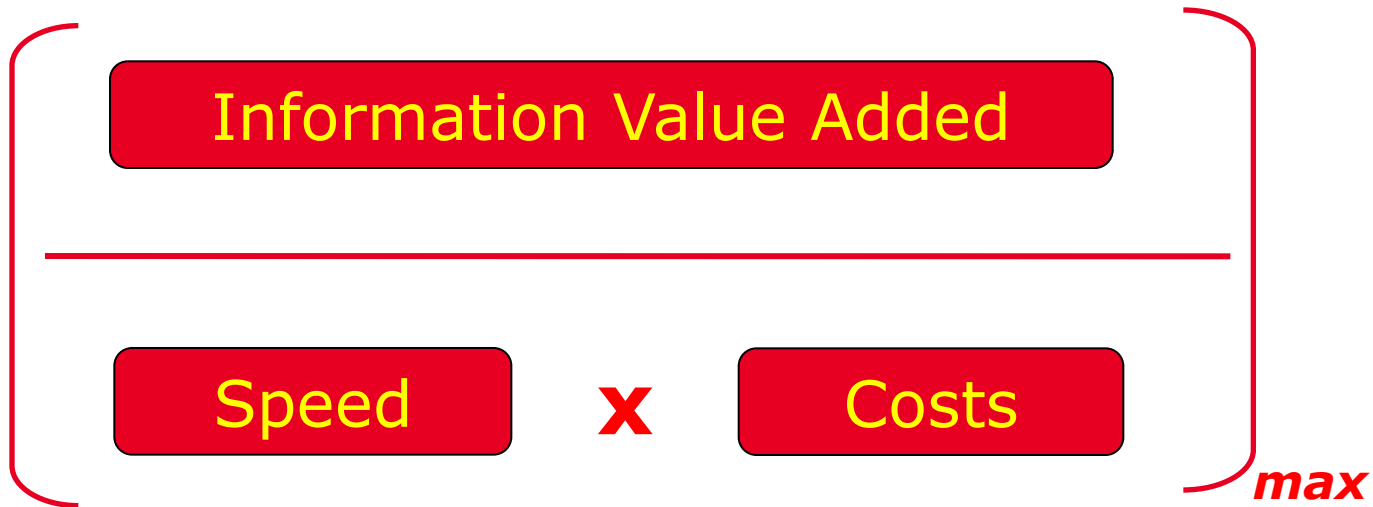
Nationaal Coördinator
Terrorismebestrijding en Veiligheid
Ministerie van Veiligheid en Justitie





Customer Focus

Customer Focus



Customer Needs:

More information

Faster

More Efficient



#1 challenge: Backlogs

Technology drives demand, capacity lags

No price, no value, no revenues

No Service Level Agreements

Inefficient production processes





NFI 2007:

18.000 cases backlog

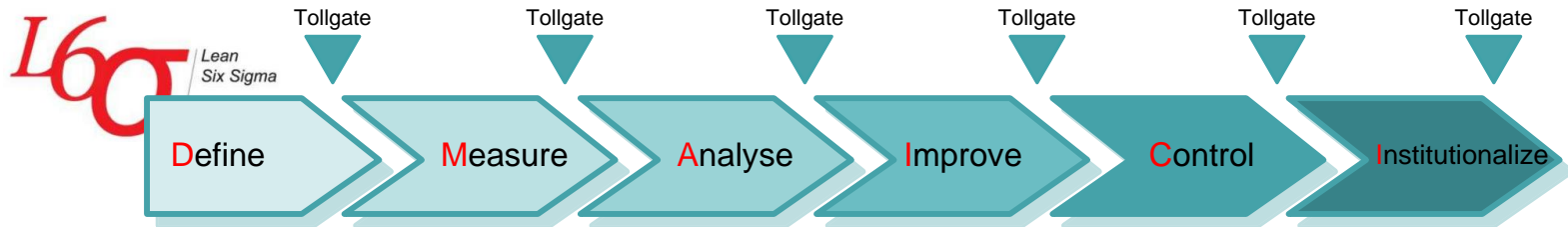


Strategic measure 1: Service Level Agreements



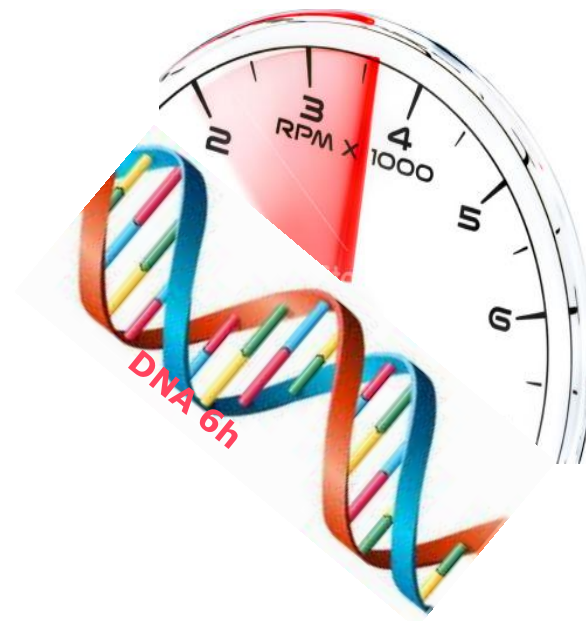


Strategic measure 2: **Process Redesign**





**Strategic measure 3:
Speed focused R&D**



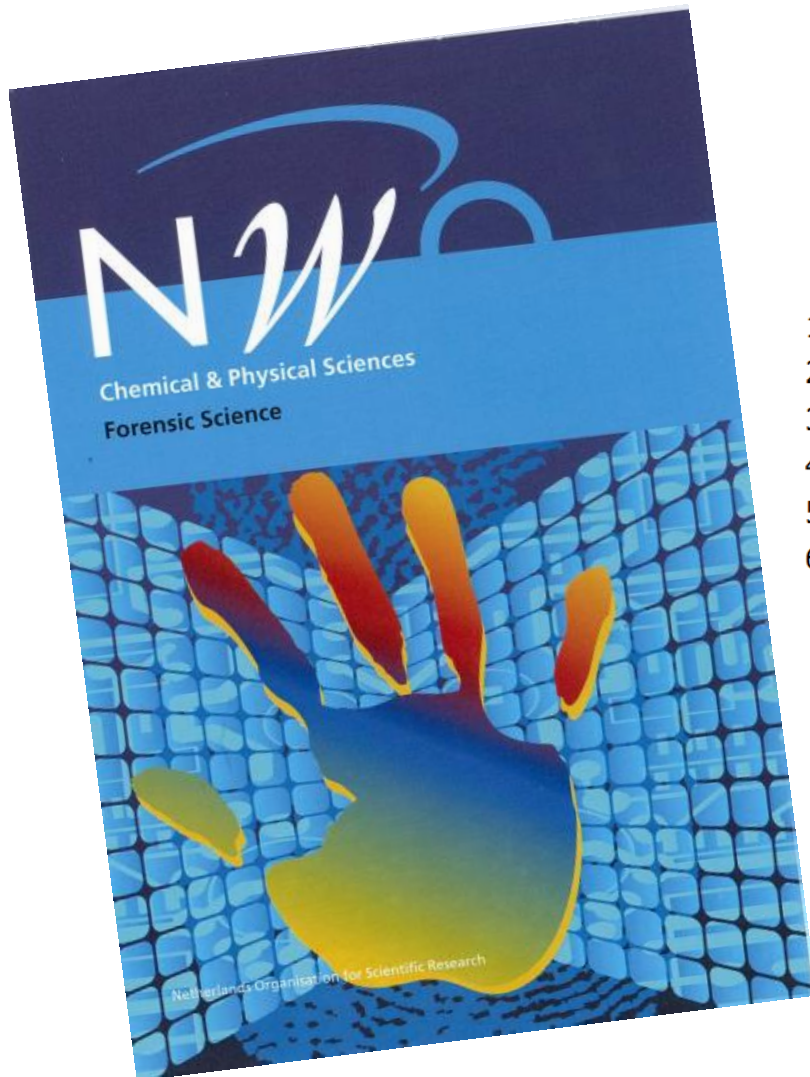


#2 Challenge:

More IVA through more objective interpretation



Research



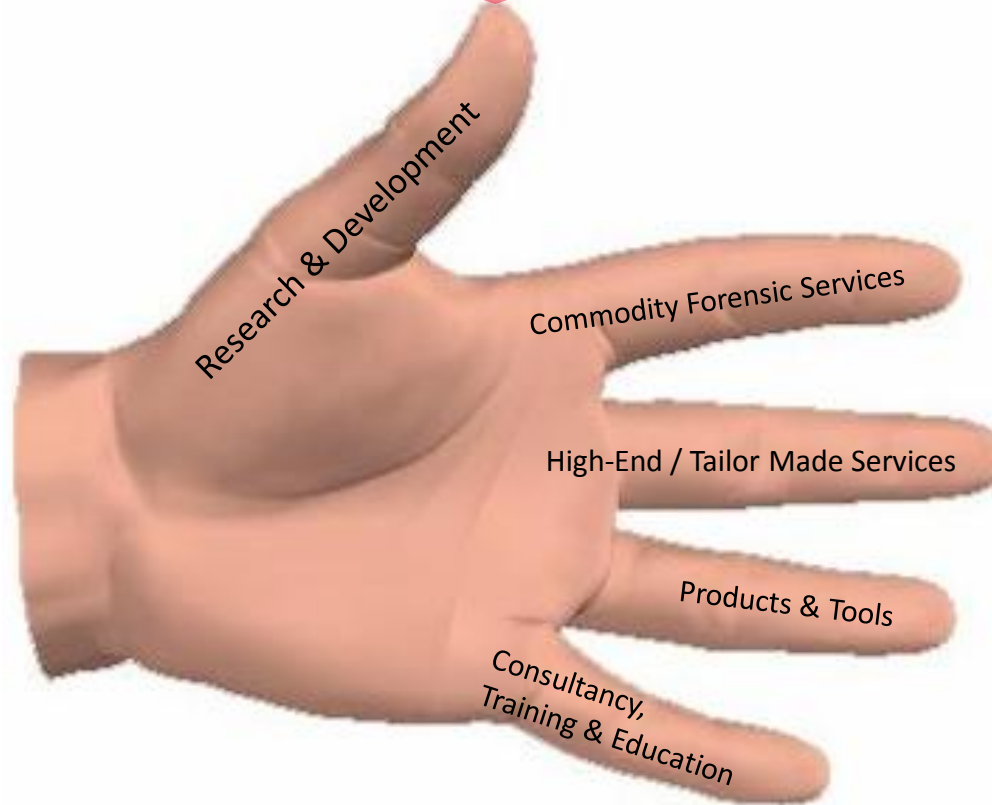
1. Crime scene capturing, investigation, and reconstruction
2. Forensic statistics
3. Improved trace processing
4. Small traces in context
5. Digital traces and biometrics
6. Forensic genomics



Towards mature and integrated business models



Strategic partners



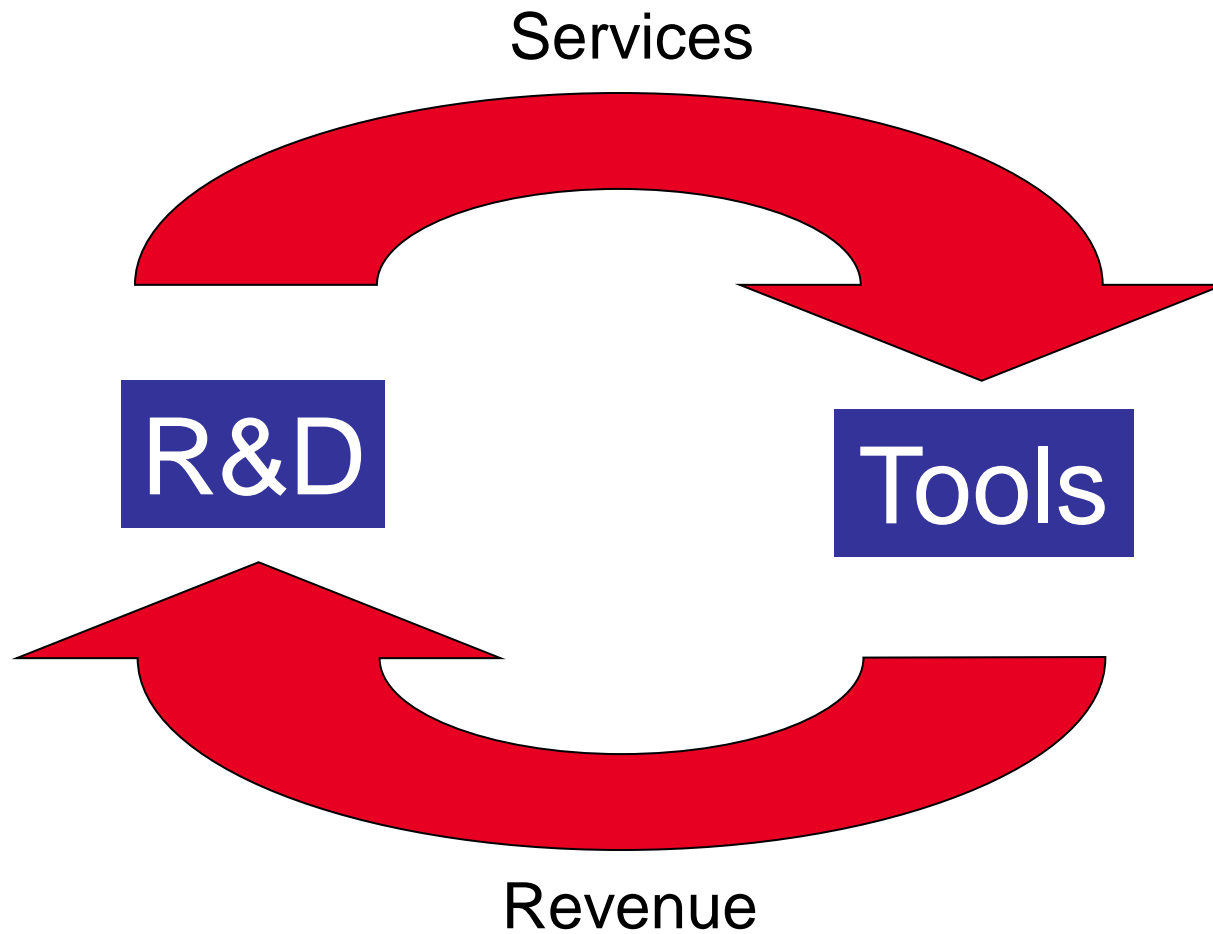
High Volume

High added value

Development

NFI - Academy

The R&D Engine



Innovation Network



Aerospace



Gaming Industry



Microbiology



Health



IT



Defragmentation



Forensics: A Fragmented Field

Single Jurisdiction

Small Operations

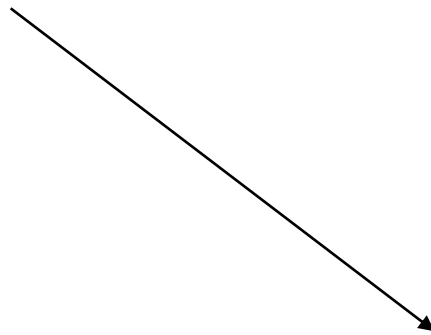
Vulnerable

Diseconomies of Scale





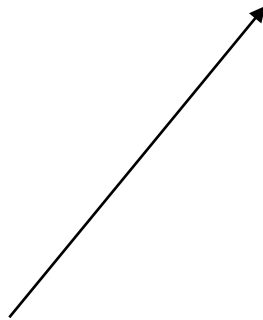
Specialization



Critical Mass



Economies of Scale



Consolidation, scale and
'Cross Border' Flows
of Products and Services



NFI 2012

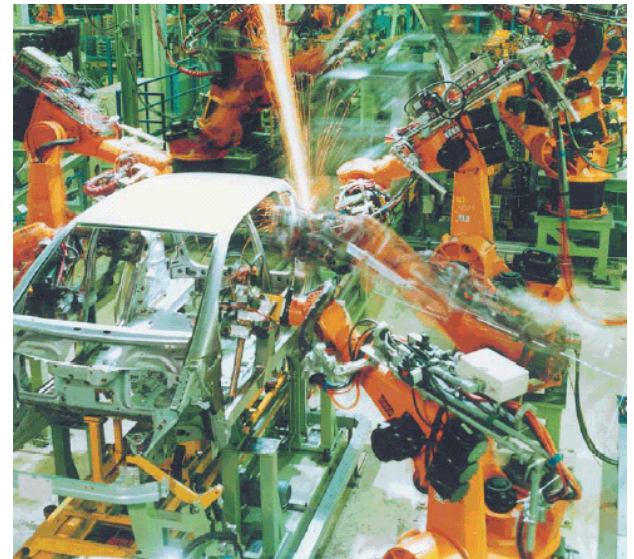
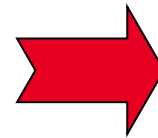




Increasing need for Training & Education



Forensics = Automation



Manual labor
Low productivity



Knowledge worker
High productivity



NFI Academy (2010 - ...)



NFI Academy 2011: 27,000 man-days



Forensic Field is going through disruptive change

Trends:

- Growth
- Customer focus
- Defragmentation
- Training and Education

