ERDT – ICT Track Goals for the next four years

7 December 2012
Diamond Hotel

What the ICT track did

 Meeting with government sector Round table discussion October 9, 2012

15 government agencies were invited Four attended PAGASA CHED DND Philhealth

What the ICT track did

2. Meeting with private sector

One-on-one interview with different sectors: financial, utility, and consultancy companies

Association interview with product & service management companies

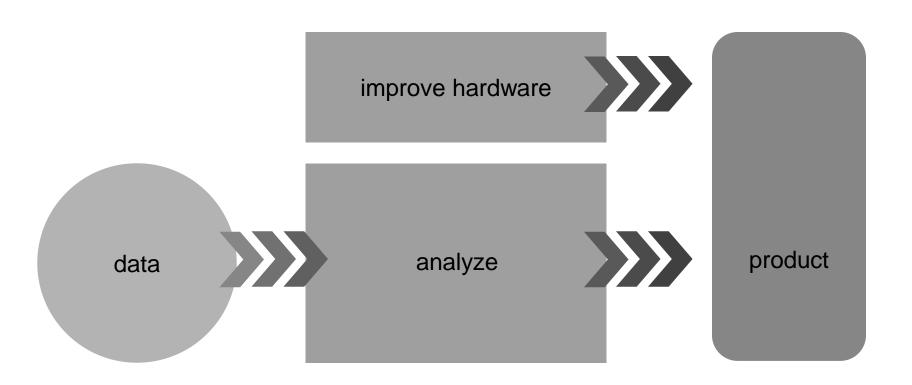
Meralco Deutsche Bank

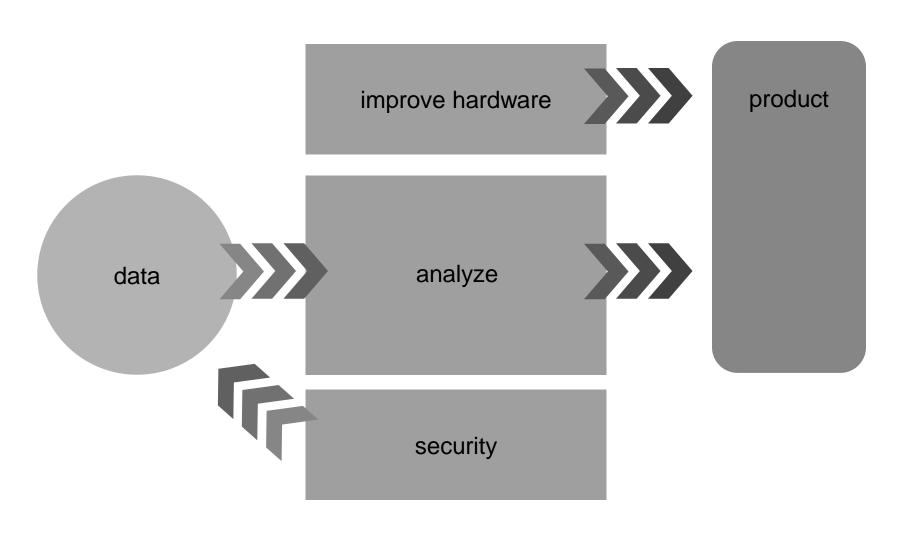
Canon P&G

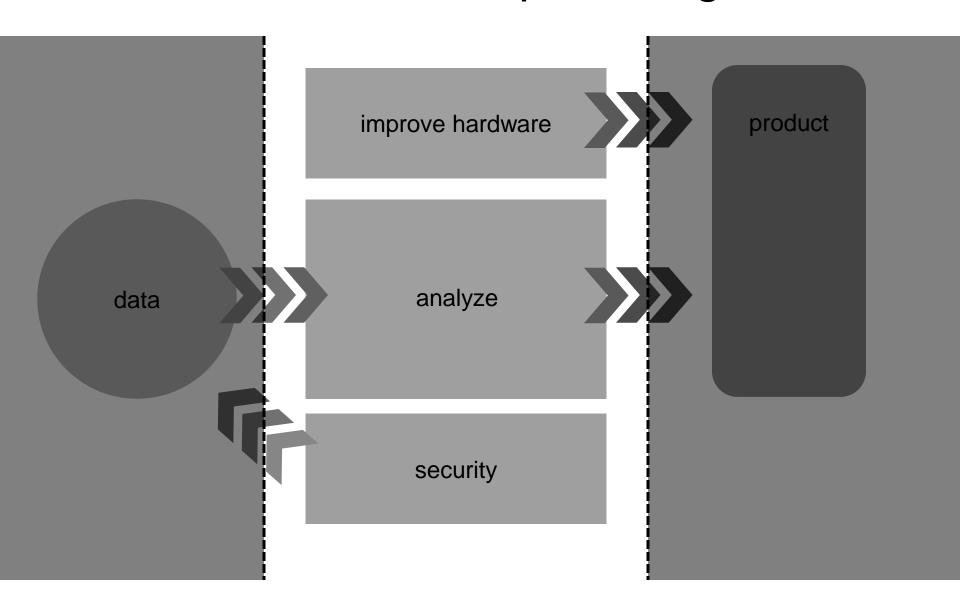
Maersk Telus

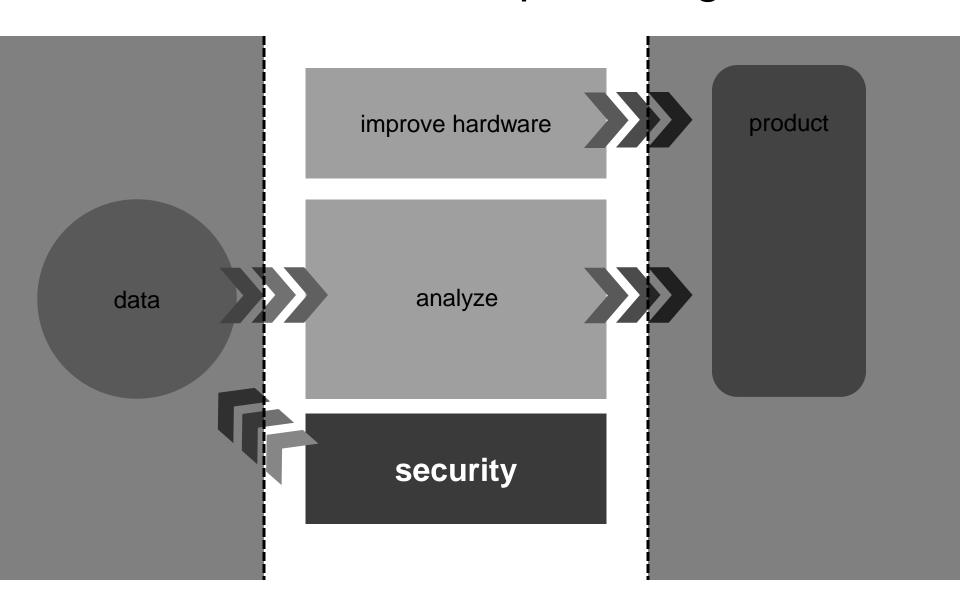
HP ECCI











Information Management

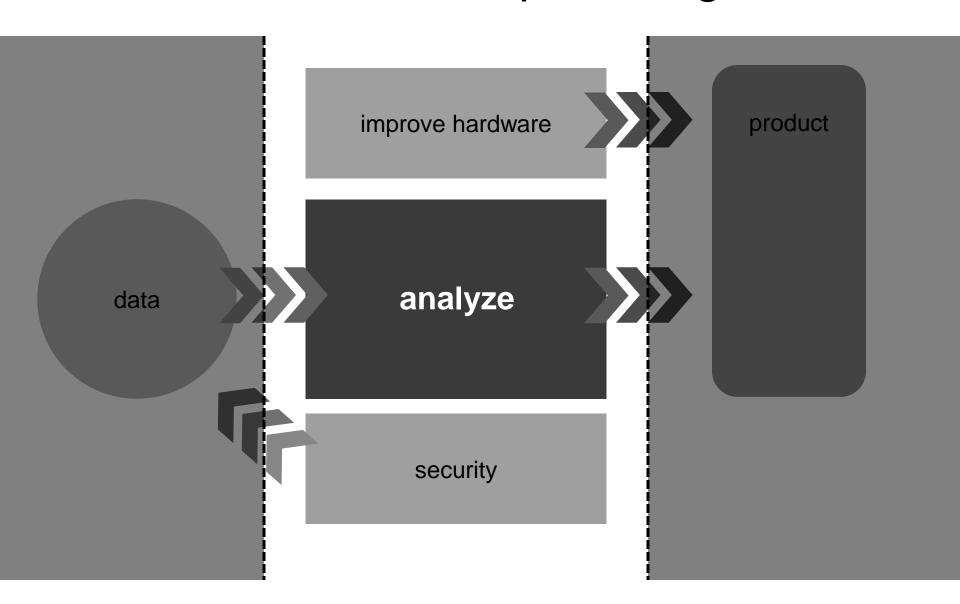
Research

Data security

Product

Resource management system, document tracker, online library

Government – central database system for government agencies Industry – more efficient information gathering and management



Data Analytics

Research

Profiling and analysis of big and/or high frequency data

Modelling and simulation of physical, social, and market phenomena

Image and signal processing

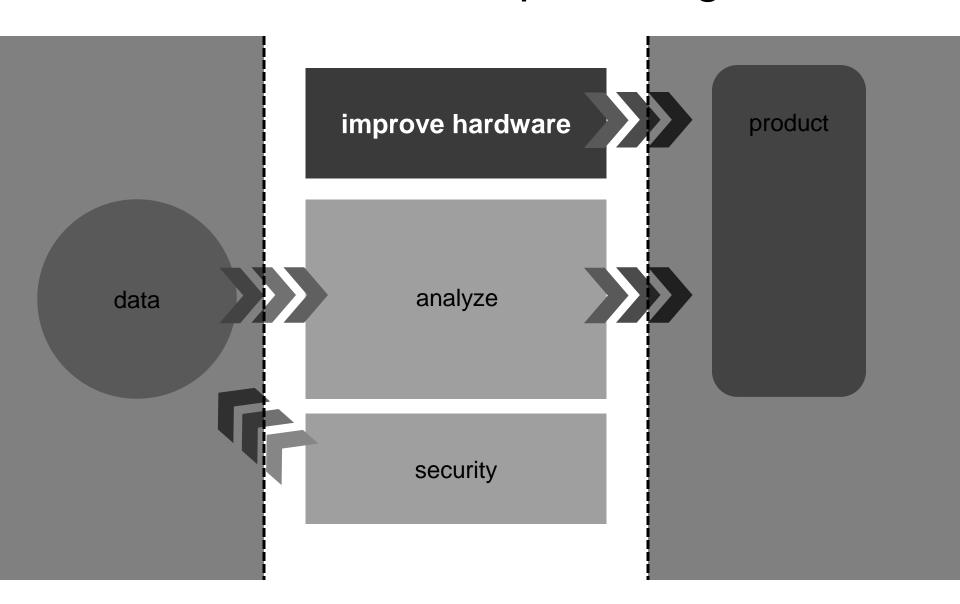
Artificial intelligence

Other mathematical and statistical methods

Product

Decision support systems

Government – policy formulation Industry – business decisions



Cloud Computing

Research

Optimizing ways of handling data using the cloud infrastructure

Service Product

Software as a service

Security as a service

- Authentication scheme
- Intrusion detection
- Security event management
- Access control

Cloud Computing

Research

Optimizing ways of handling data using the cloud infrastructure

Service Product

Infrastructure as a service

- Virtual machines
- Firewalls
- File-based storage

High-performance Computing

Research

Addressing latency issues and maximizing the utilization of parallelized processes and infrastructures

Invisible Computing

Research

Taps different computing devices including mobile, in the completion of a workload

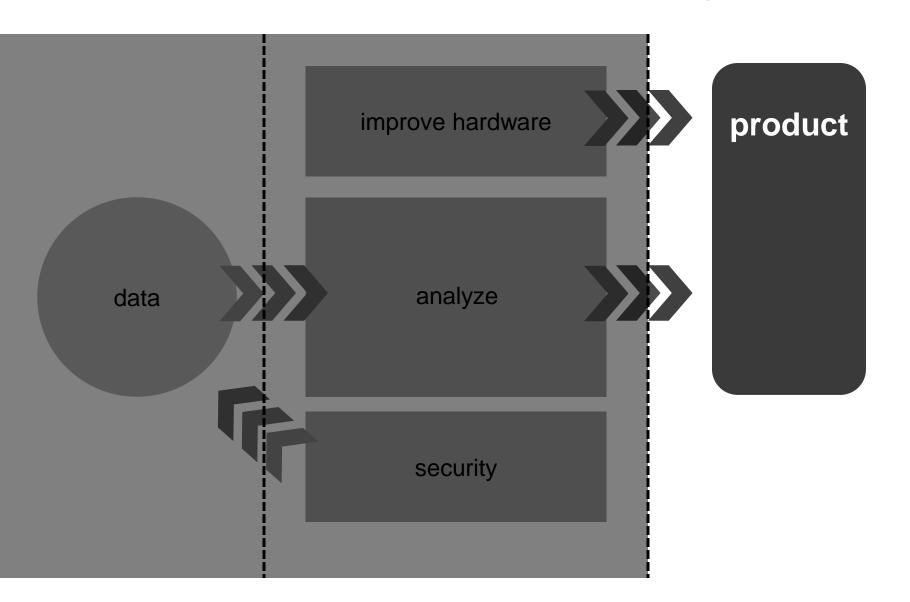
Embedded Systems

Research

Creation and development of smart machines

Product

Smart sensors, robotic technology, automotive safety systems



Products

Software

Decision support systems
Information management systems
Intelligent systems
Visualization systems
Geographic information systems

Products

Hardware

RFID technology
Artificially-intelligent machines
Other automated machines

Manpower Development Agenda

Required Skills

Soft skills

Being able to communicate and express oneself in basic English

Good presentation skills

Being able to collaborate in a global environment and adapt to different cultures

Required Skills

Software engineering skills
Project management

Change management

Requirement analysis

Product development cycle

Documentation

Required Skills

Others

Adaptability to different programming languages

Problem solving skills

Required Knowledge

Database management

Data structures

Data analytics

Network and distributed systems

Computer organization and architecture

Contact Information

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