



ASEAN IVO Forum 2015
Sentral Ballroom, Hilton Kuala Lumpur, Malaysia

Collaborating for High-Impact Innovations via Open Innovation Platforms and Business Networks

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MIMOS: An Overview

Mandate 2006 – To focus on:

- ① R&D in ICT & Microelectronics for national industry competitiveness
- ② Enhancing eco-system for E&E industry
- ③ Generating New Technology Ventures and Incubating Industry

R&D focus to develop the indigenous ICT industry



MIMOS: Technology Focus

Technology Area

SMART ENTERPRISE SOLUTIONS

Innovation Platforms & Frameworks to accelerate industry entry into multiple vertical-market ecosystems and exploit emerging trends in **Mobility** and **Big Data**

INTERNET-of-THINGS (IoT) SOLUTIONS

Develop robust **IoT** wireless connectivity fabric and **Smart Sensors** to power the National IoT initiatives, a **new source of growth**

(MIMOS R & D)

SMART MANUFACTURING

Create end-to-end ICT solutions for manufacturers to drive **Open Shared Services**

TECHNOLOGY VENTURE & INCUBATION

Accelerate industry innovation through licensing indigenous technology towards Market Creation & Venture Development

Frontier Novatur Sdn Bhd (FNSB)
(MIMOS Industry Development)

ONE BIG LAB: NANO & SEMICONDUCTOR

Strengthen local E&E industry for global Competitiveness & build-up the nano-semiconductor full **ecosystem for shared services**

Nano Semiconductor Industry Tech Centre
(NSITC)

Market Challenges



Continuously creating new value to compete in the crowded 'innovation' marketplace



Rising demand for affordable and complete end-to-end solutions to address complex problems



Harvesting the strengths of university researchers and industry developers to accelerate delivery of high-impact innovations to market

The Innovation Chasm



Ideas



Market



Universities / RIs

SILO

Industry

SILO

Bridging the Innovation Chasm



Ideas



Market

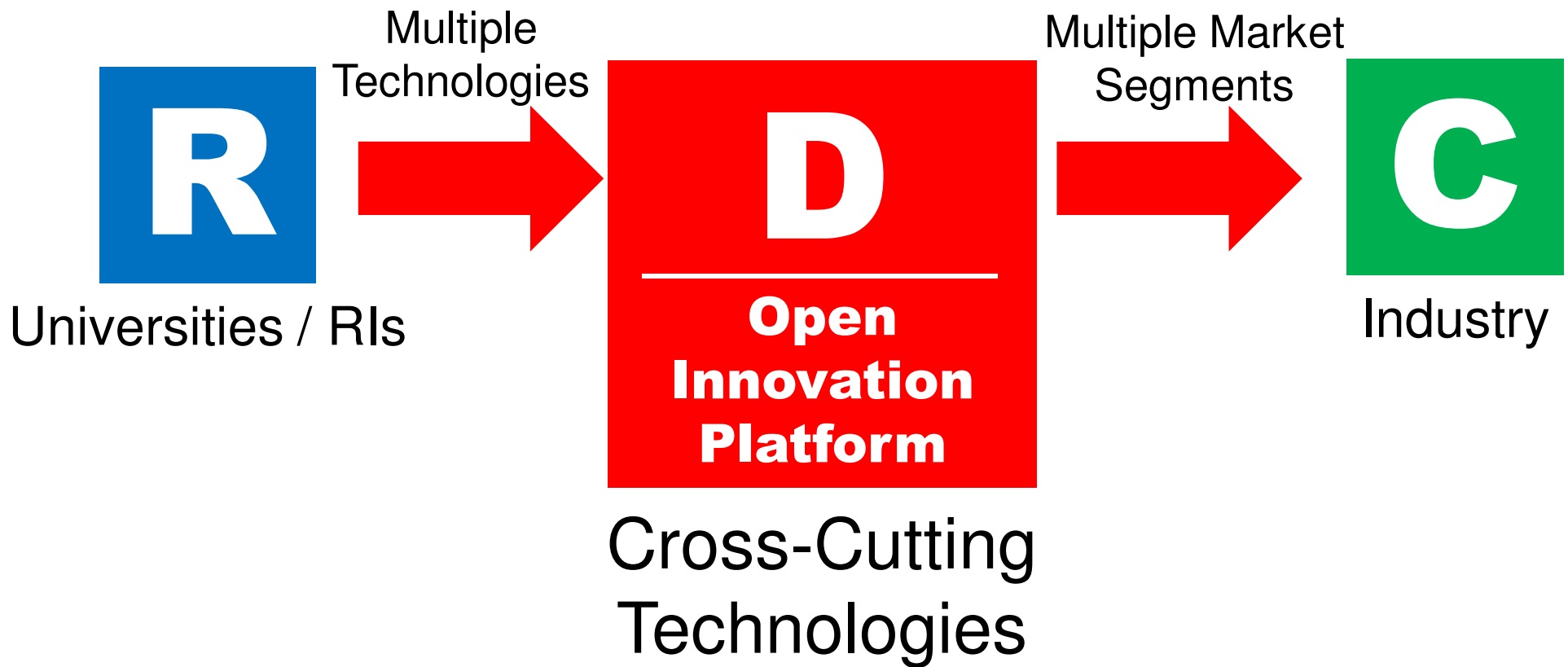


Universities / RIs



Industry

Bridging the Innovation Chasm

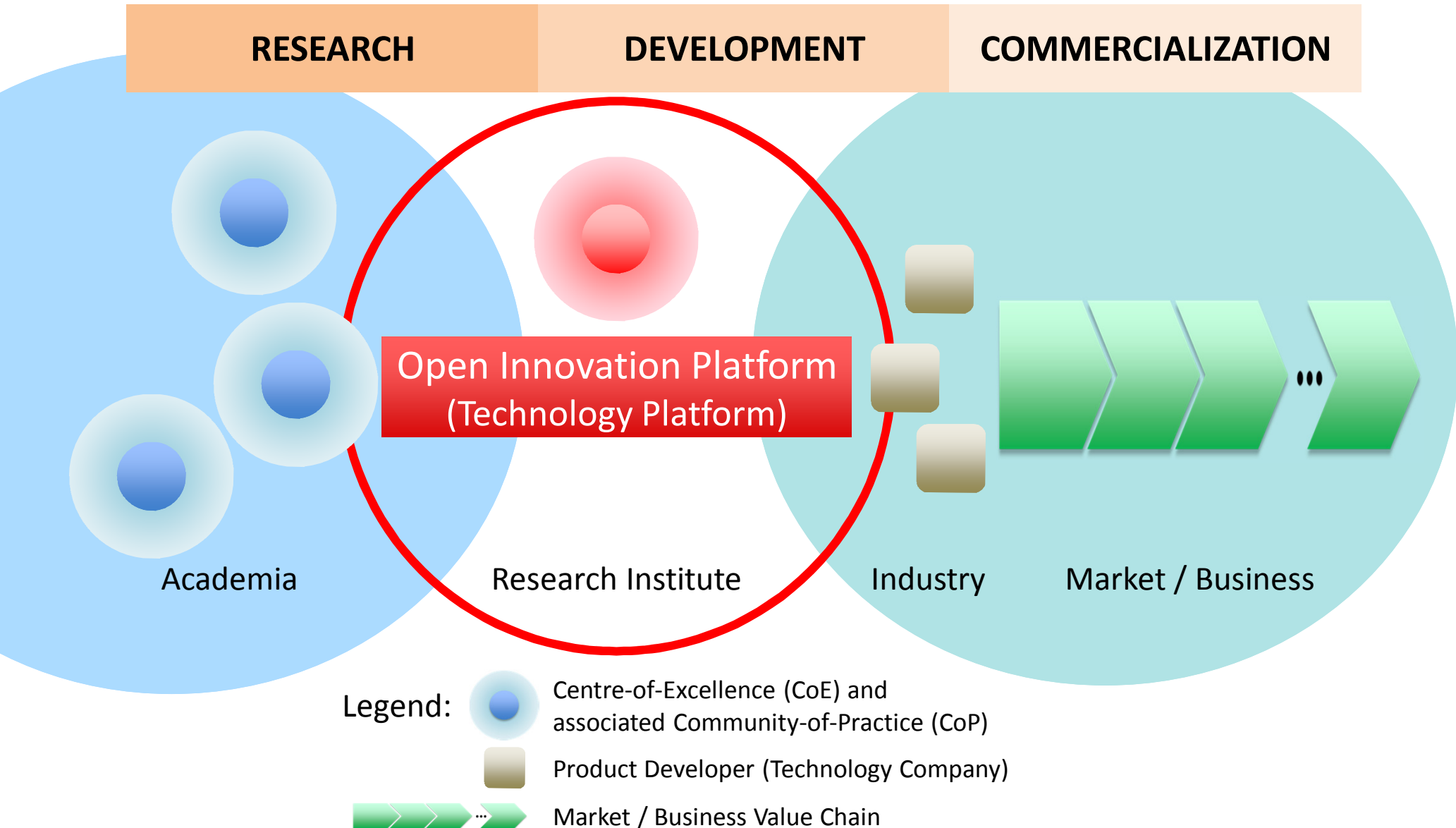


Open Innovation Platform

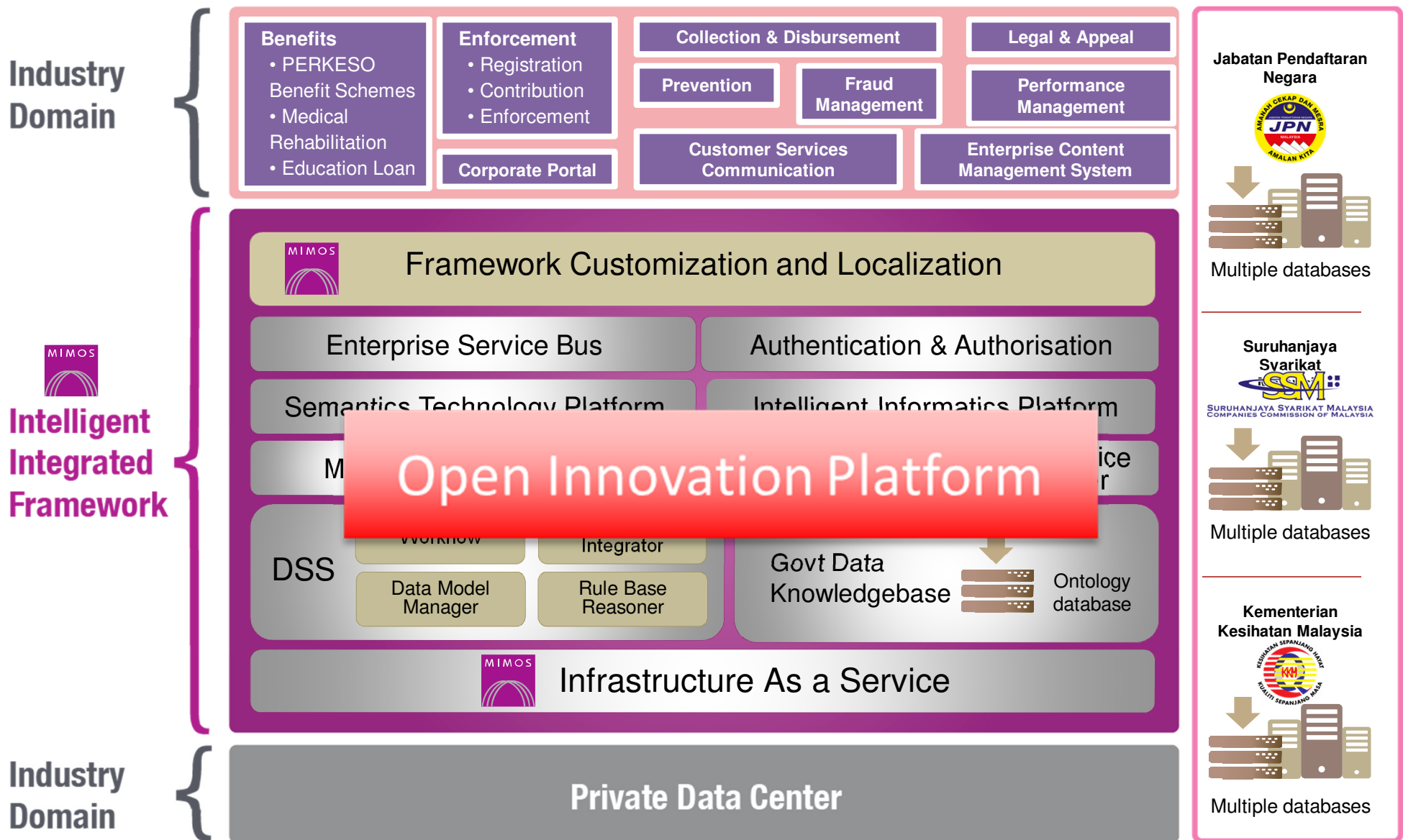


- *The OIP is architected collaboratively and the technology modules are contributed by the members*
- *The Intellectual Property (IP) created can be shared*

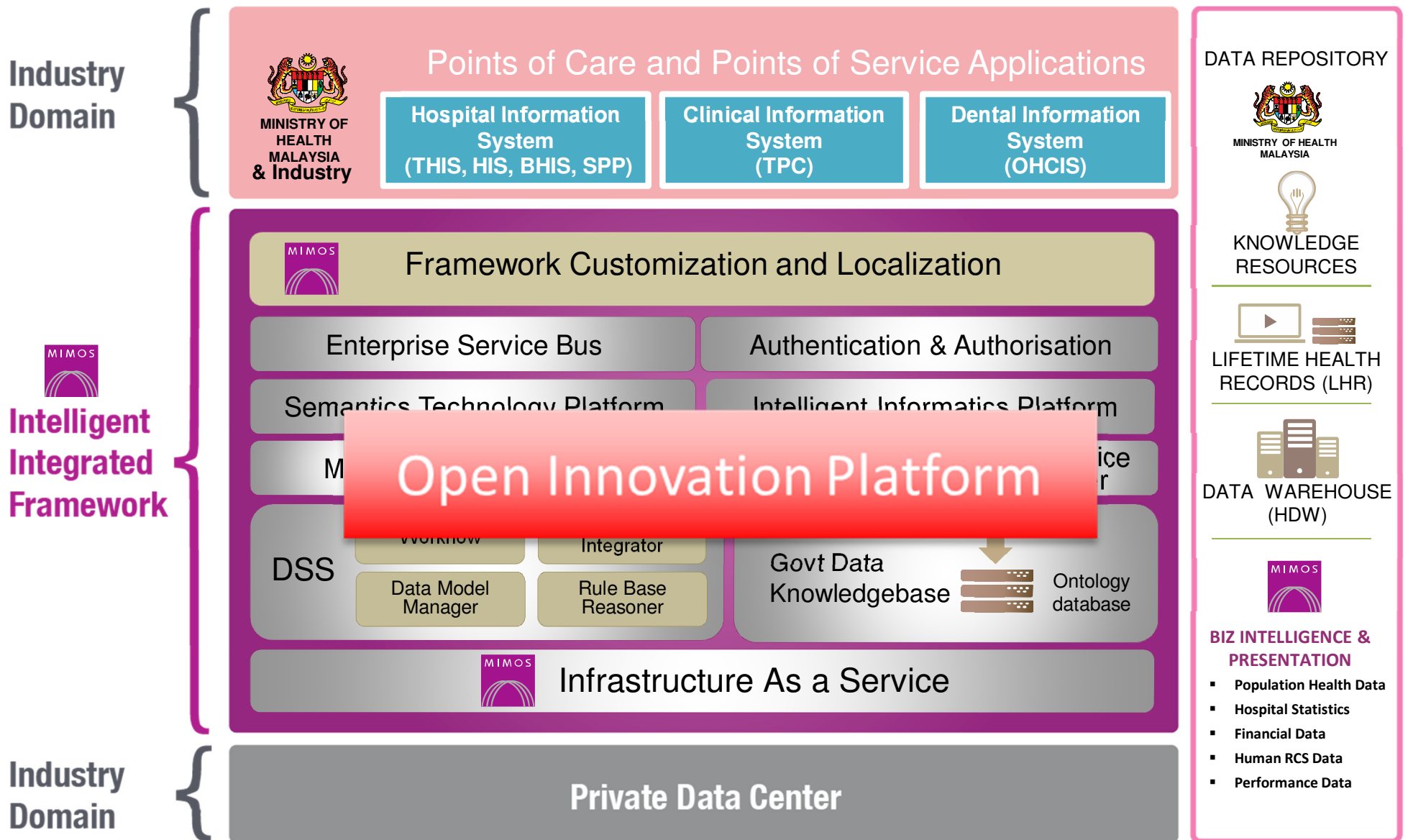
Collaborative Open Innovation Network (COIN) (People Platform)



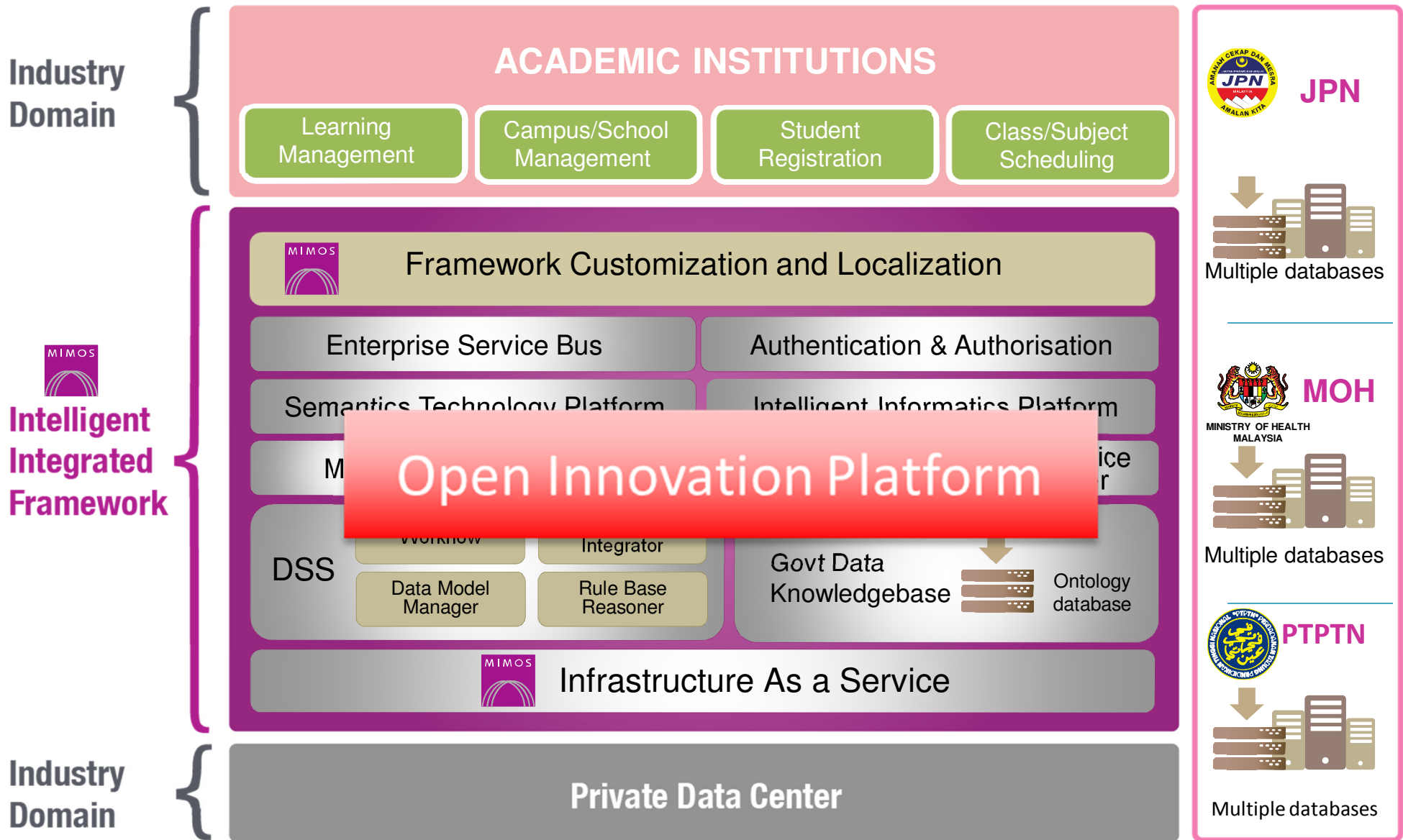
National Social Security Framework



National Health ICT Framework



National Education ICT Framework



BITX: Big Data & IoT Technology Accelerator





Applications Lab
(IoT Applications)



Network & Services Lab
(IoT Services)



Powered by OIP



Smart Devices Lab
(Sensors and Devices)

Key Takeaway

Technology Platform



The **Open Innovation Platform (OIP)** is a strategic technology platform that is collaboratively developed to be adopted by ASEAN STI Community



The OIP can be used to rapidly develop high impact solutions for market verticals within each ASEAN country, thus **enabling the local STI community and ASEAN partners** to go into high impact projects together

People Platform



The **ASEAN COIN ecosystem** consisting of scientists, researchers, developers, industry and business players will determine the high-impact end-to-end solutions

Solution Showcase



The high-impact solutions developed can be the **ASEAN showcases**



Thank You

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