



# SIMPOSIUM MATLUMAT GEOSPATIAL KEBANGSAAN KE 14



## Economic Transformation and the value of Geospatial



17 March 2014



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**PEMANDU**

# National Transformation Policy

## TOWARDS VISION 2020



**1Malaysia**

(People First, Performance Now)

**Government  
Transformation  
Programme**

**Economic  
Transformation  
Programme**

**Political  
Transformation  
Programme**

**10<sup>th</sup> & 11<sup>th</sup> Malaysia Plan**

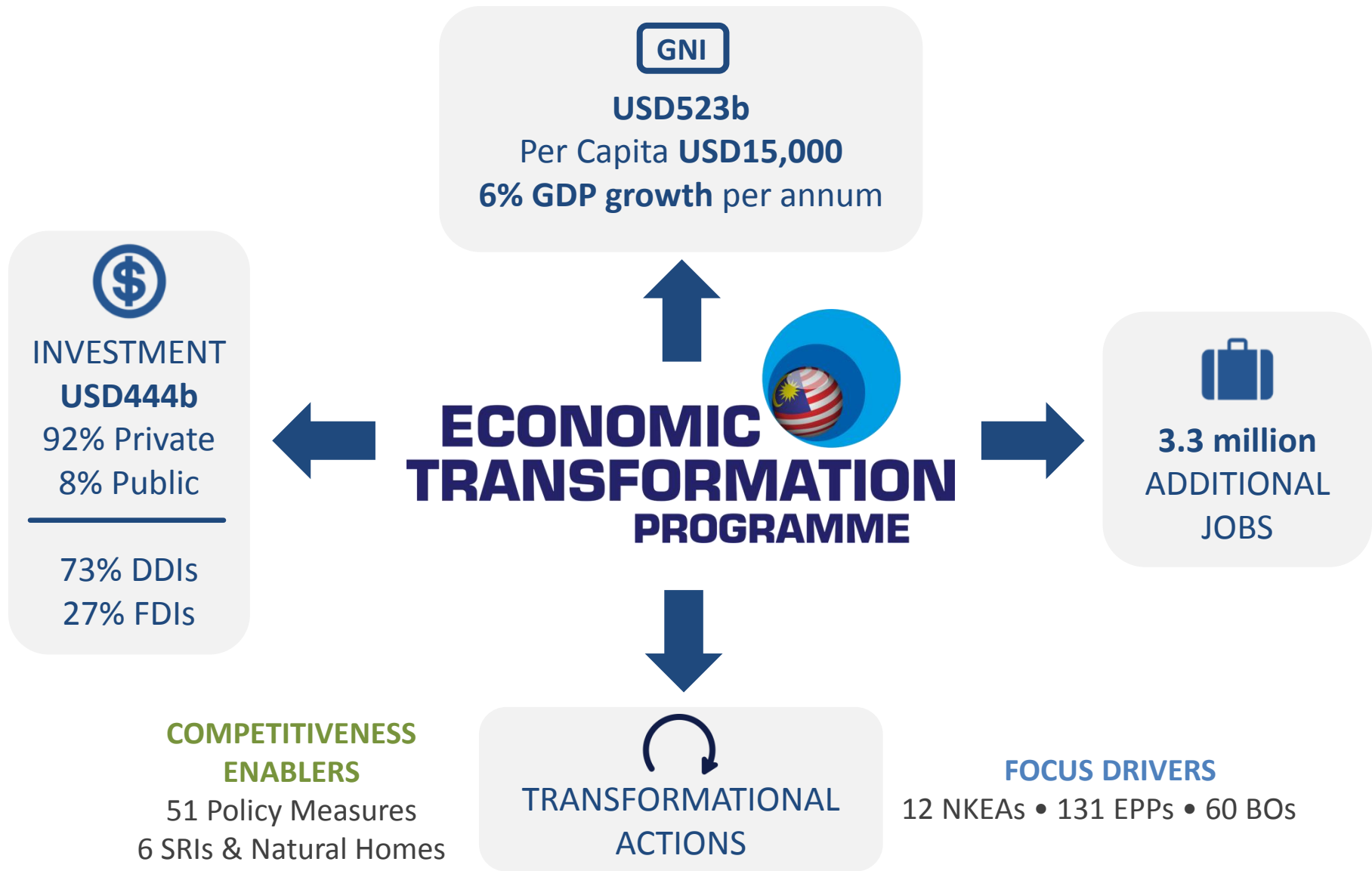
# NEW ECONOMIC MODEL

Making Us A **Rich Country**

For **Everyone** & For **A Long Time**



# ETP's TRUE NORTH



# To become a HIGH-INCOME NATION, We NEED:

**COMPETITIVENESS**

**“ENABLERS” to  
ensure  
competitiveness**

**6 SRIs**

Strategic Reform Initiatives



**FOCUS**

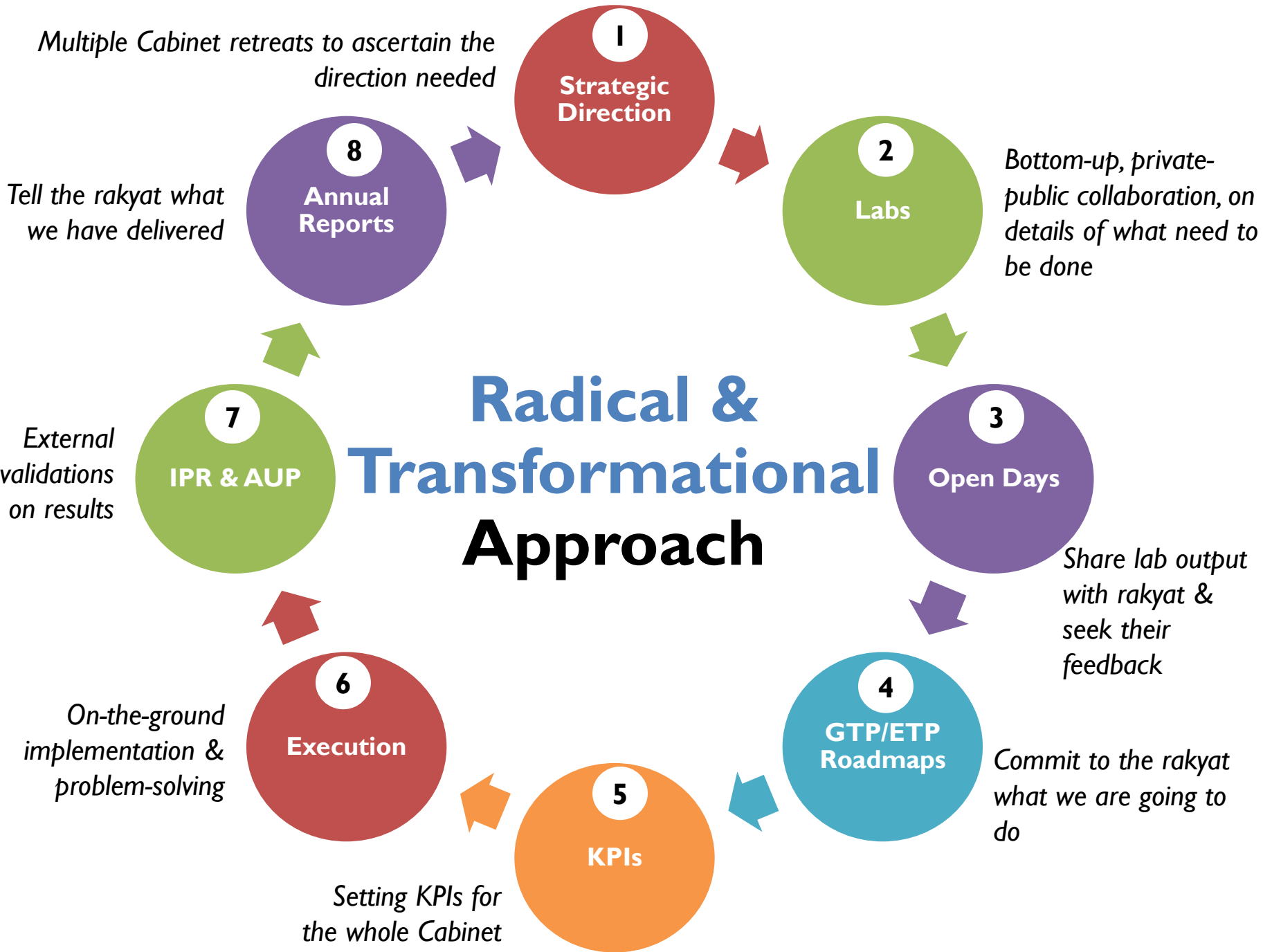
**“DRIVERS” to  
ensure focus on  
high-impact areas**

**12 NKEAs**

**+**

**7 NKRA**s

National Key Economic Areas  
National Key Result Areas



# Overall NKEA RESULTS



Oil , Gas & Energy



Healthcare



Electrical & Electronics



Education



Communications Content & Infra



Tourism



Greater Kuala Lumpur



Financial Services



Business Services



Agriculture



Wholesale & Retail



Palm Oil & Rubber

*\*Not final*

# Progress TO DATE

**2011**  
**110 PROJECTS**  
Investment  
**RM179.2b**  
GNI in 2020  
**RM129.5b**  
Jobs  
**313,741**

**2012**  
**39 PROJECTS**  
Investment  
**RM32.1b**  
GNI in 2020  
**RM6.6b**  
Jobs  
**94,702**

**2013**  
**47 PROJECTS**  
Investment  
**RM8.0b**  
GNI in 2020  
**RM7.4b**  
Jobs  
**29,373**

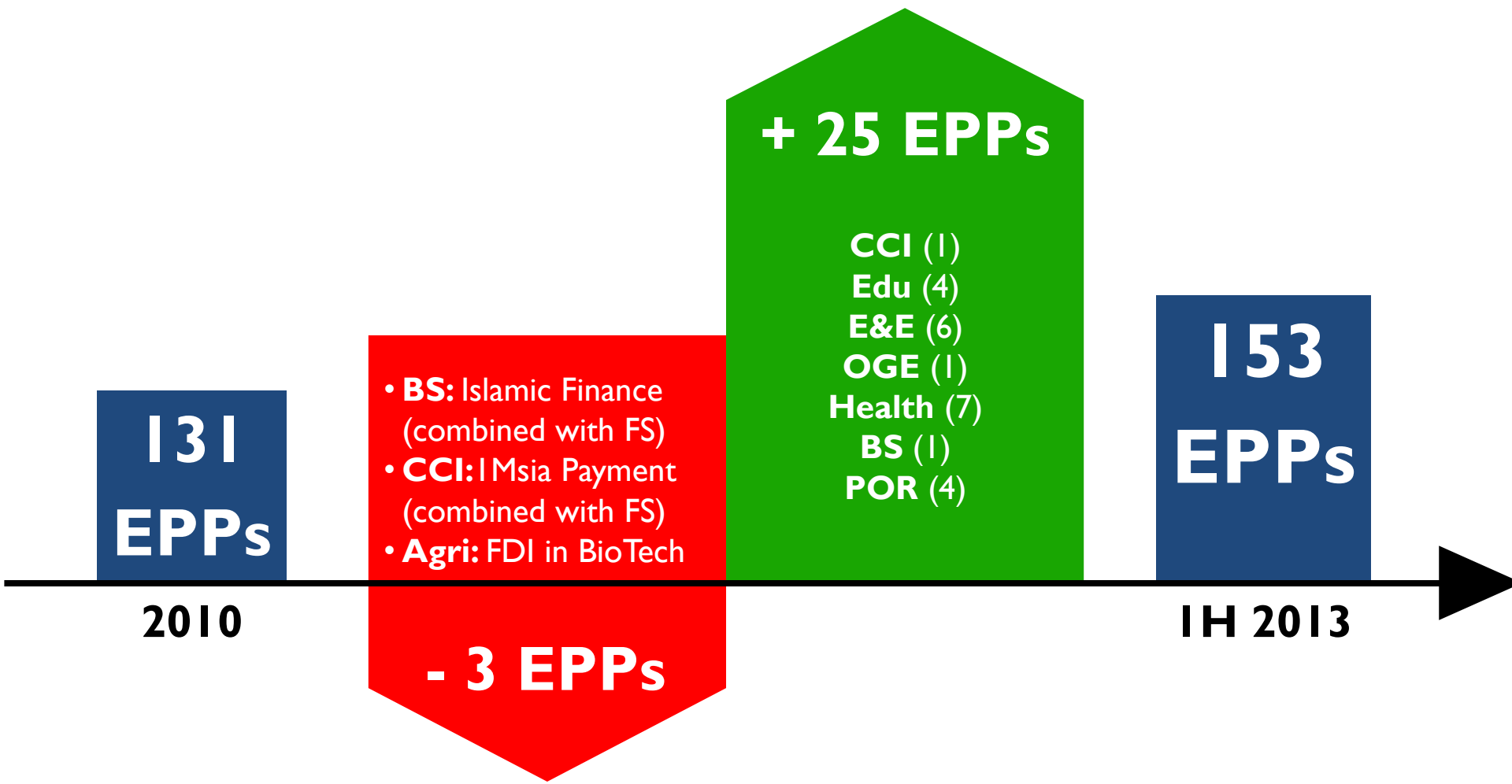
  
INVESTMENT  
**RM219.3b**

  
GROSS NATIONAL  
INCOME  
**RM143.5b**

  
JOBS  
**437,816**



# ETP is a LIVING DOCUMENT



131  
EPPs

2010

- **BS:** Islamic Finance (combined with FS)
- **CCI:** IMsia Payment (combined with FS)
- **Agri:** FDI in BioTech

- 3 EPPs

+ 25 EPPs

CCI (1)  
Edu (4)  
E&E (6)  
OGE (1)  
Health (7)  
BS (1)  
POR (4)

153  
EPPs

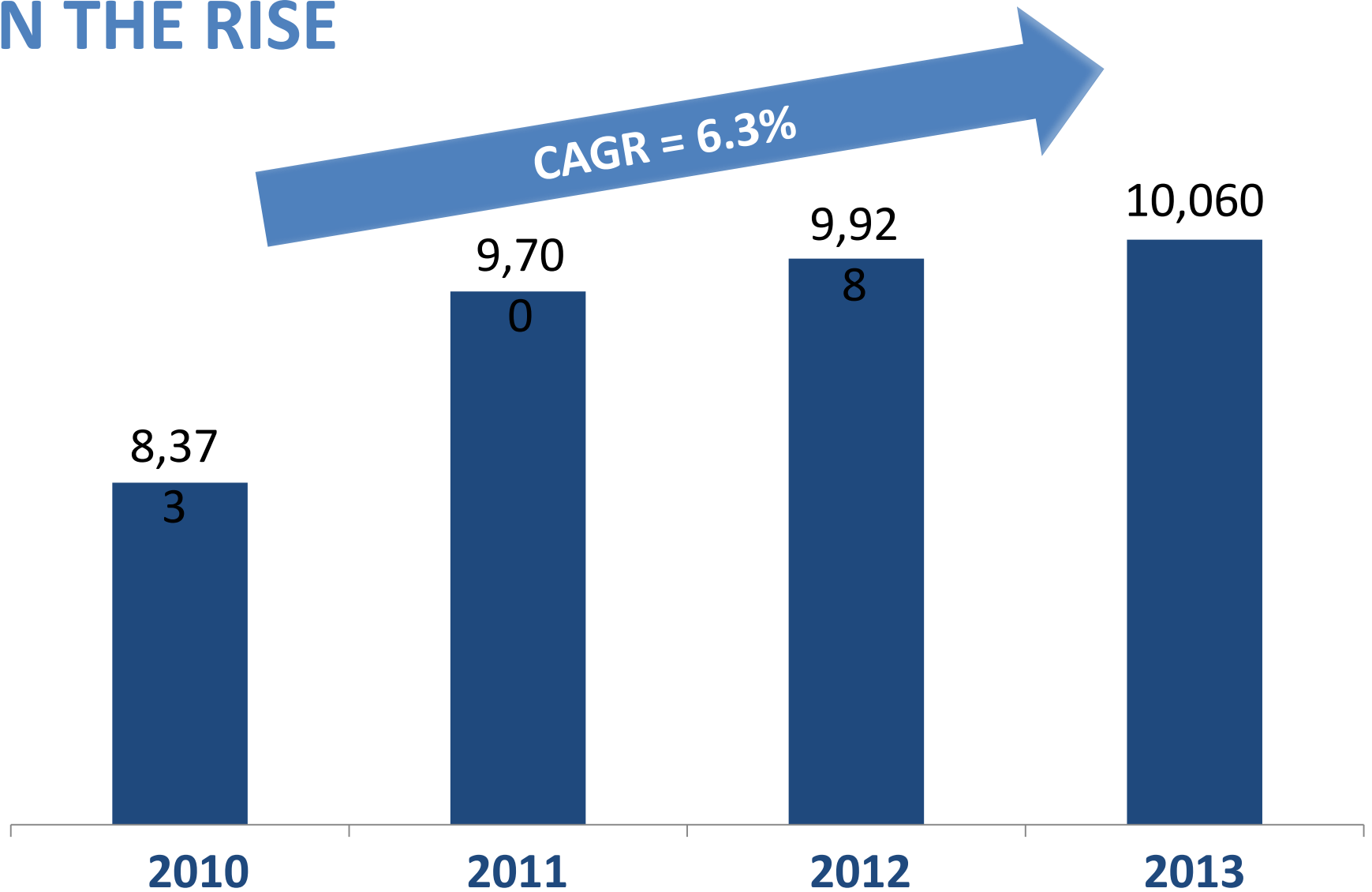
IH 2013

A vintage-style compass with a silver ring and a black face with white markings, resting on an antique map. The map features various geographical labels in Latin, such as 'MILOR', 'Carbon', 'Molegia', 'Germem', 'Colochina', 'Berdogne', 'Mestora et Laced', 'Malvalia', 'Napoli di', 'Le Botz', 'di', 'Calla', 'di', 'Coron', 'Galle', 'Modon', 'Loron', 'Carbon', 'Cala', 'Molegia', 'Germem', 'Colochina', 'Berdogne', 'Mestora et Laced', 'Malvalia', 'Napoli di', 'Le Botz', 'di', 'Calla', 'di', 'Coron', 'Galle', 'Modon', 'Loron'. A blue banner is overlaid across the center of the image, containing the word 'BENCHMARKING' in white, bold, uppercase letters.

# BENCHMARKING

# GNI Per Capita

## ON THE RISE

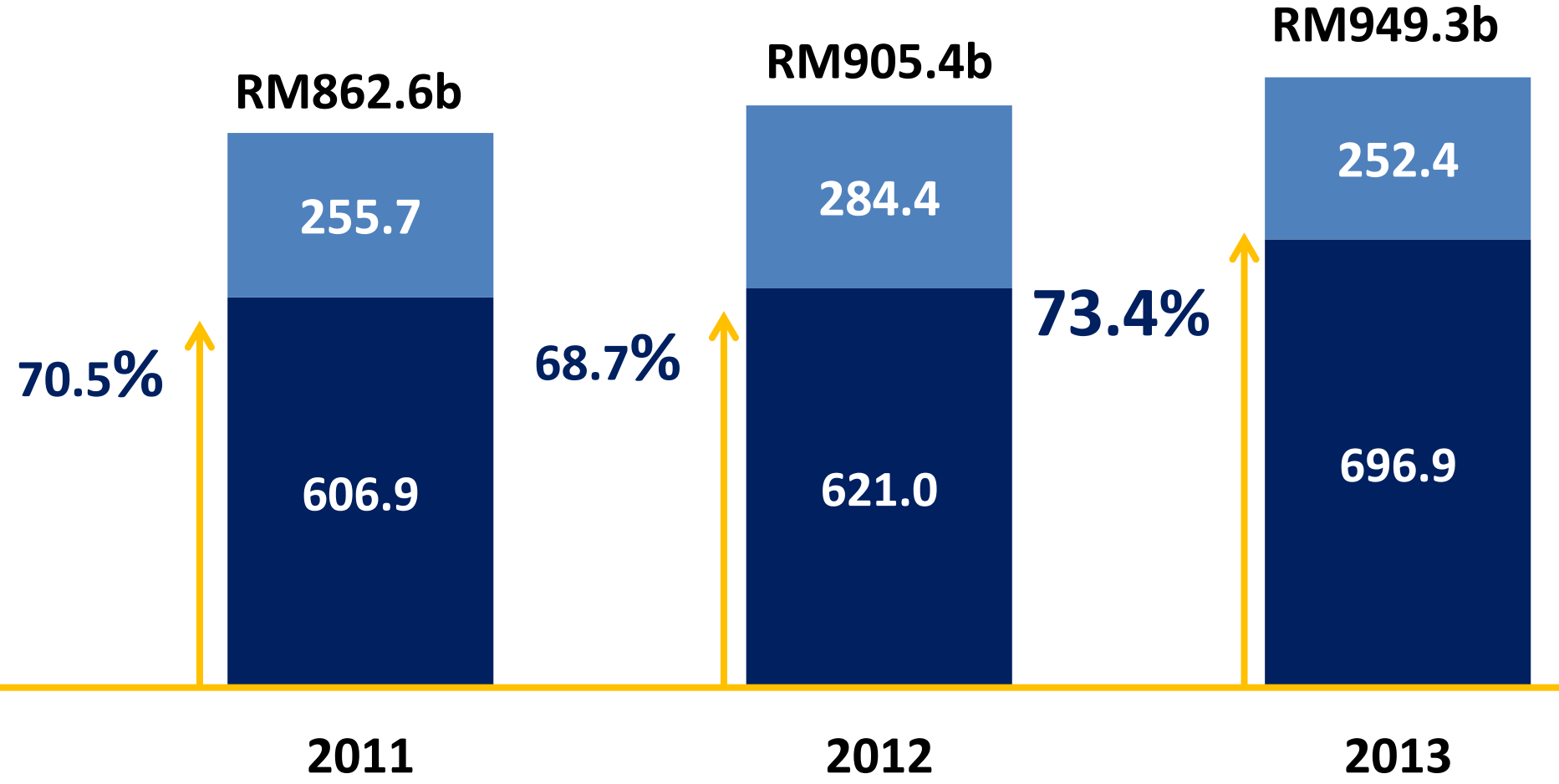


# NKEA Share Of GNI

(in RM billion)

## Gross National Income

■ NKEA ■ Non-NKEA

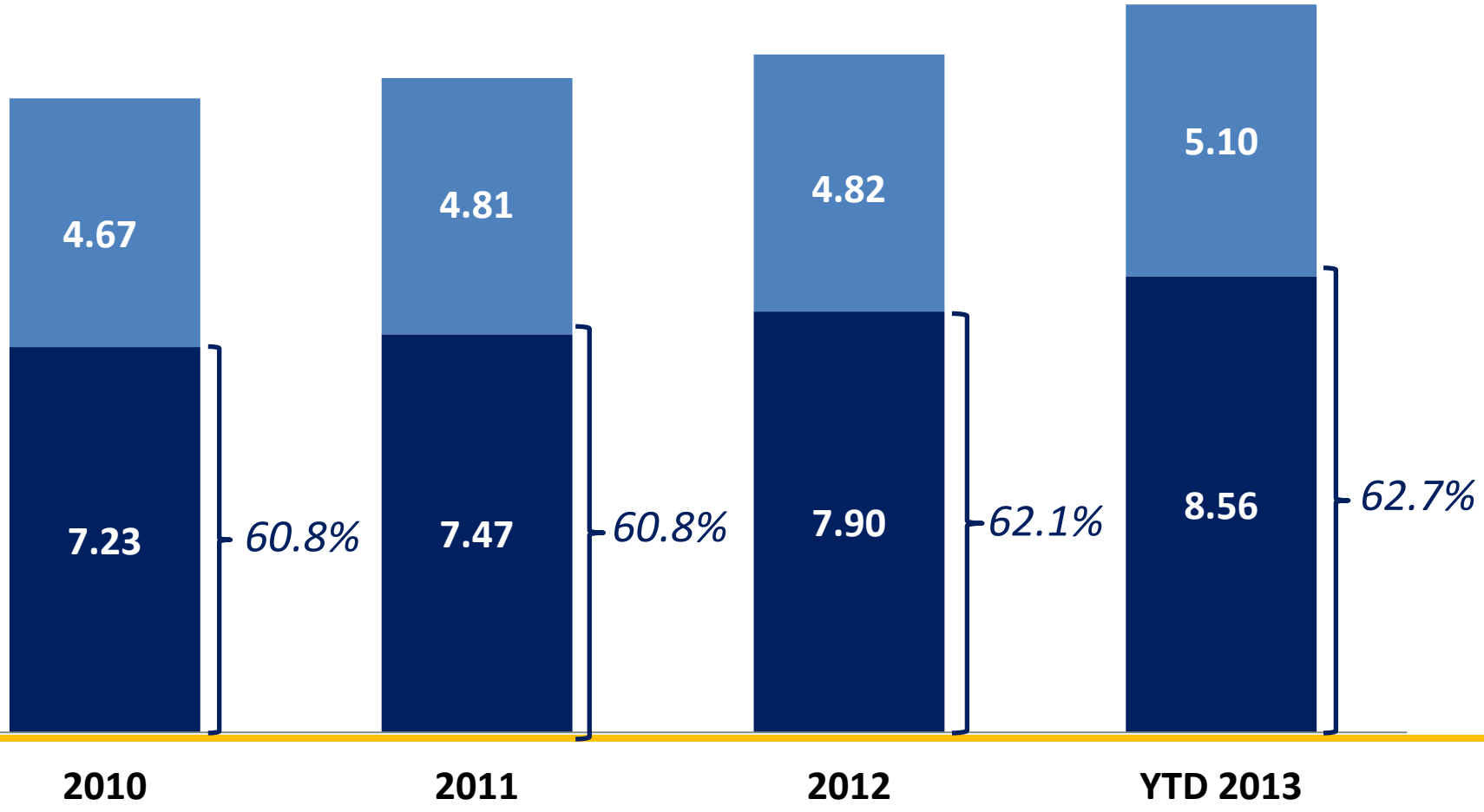


Source: Department of Statistics

# 1.3M NEW EMPLOYMENT

## In NKEA Universe

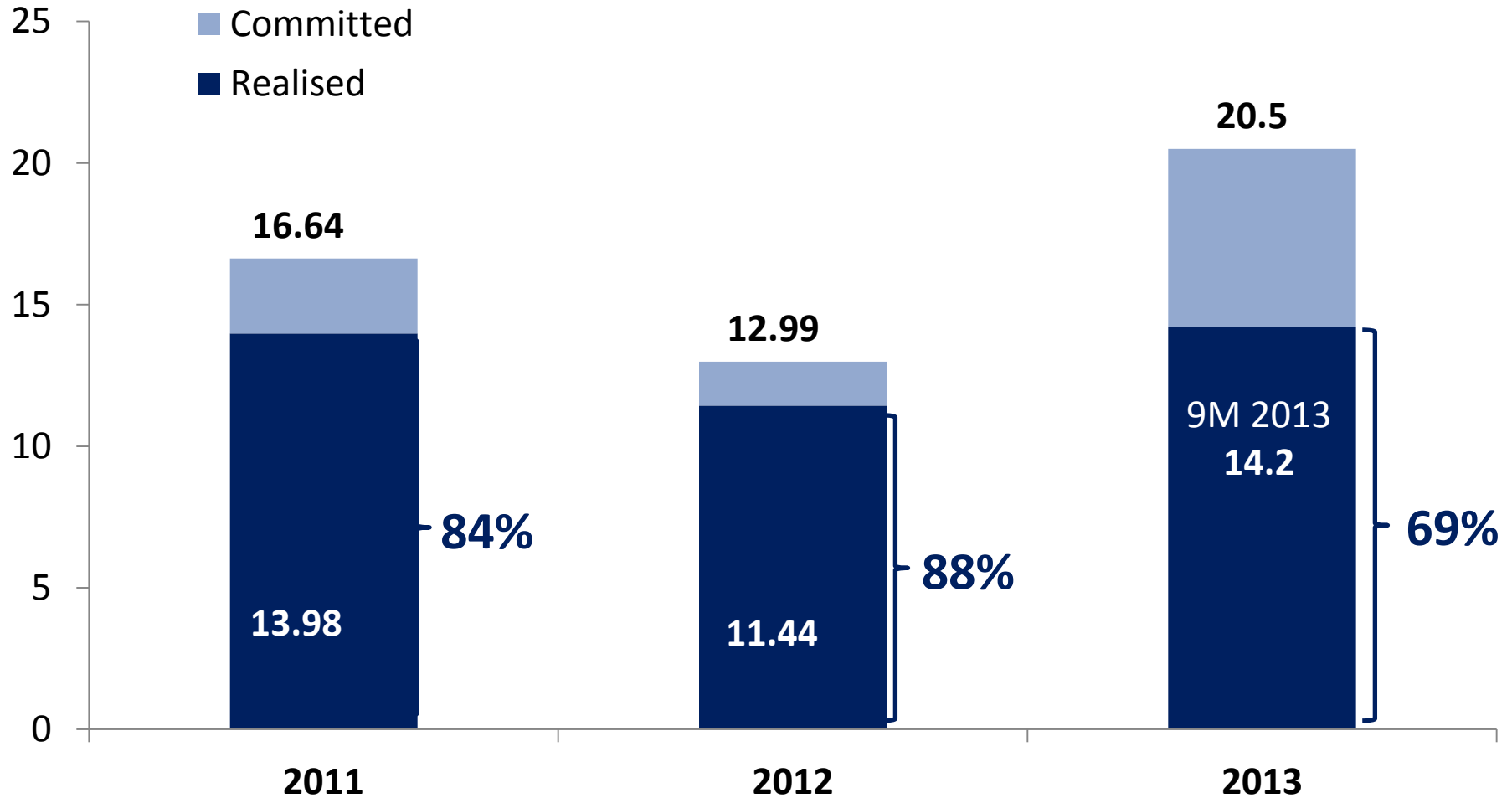
Employment (million)



Source: Department of Statistics

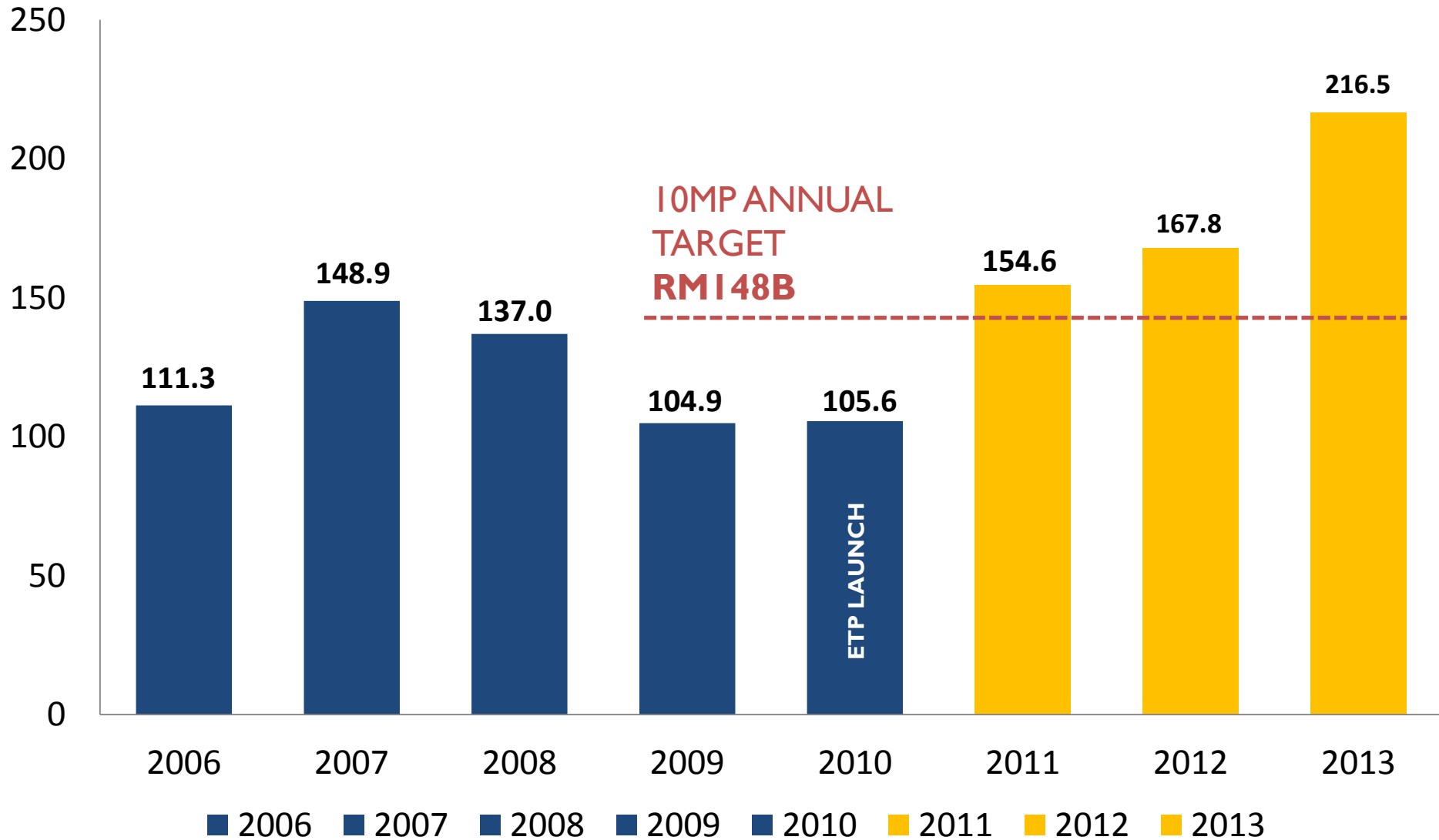
# STRONG REALISATION

## Of ETP Investment



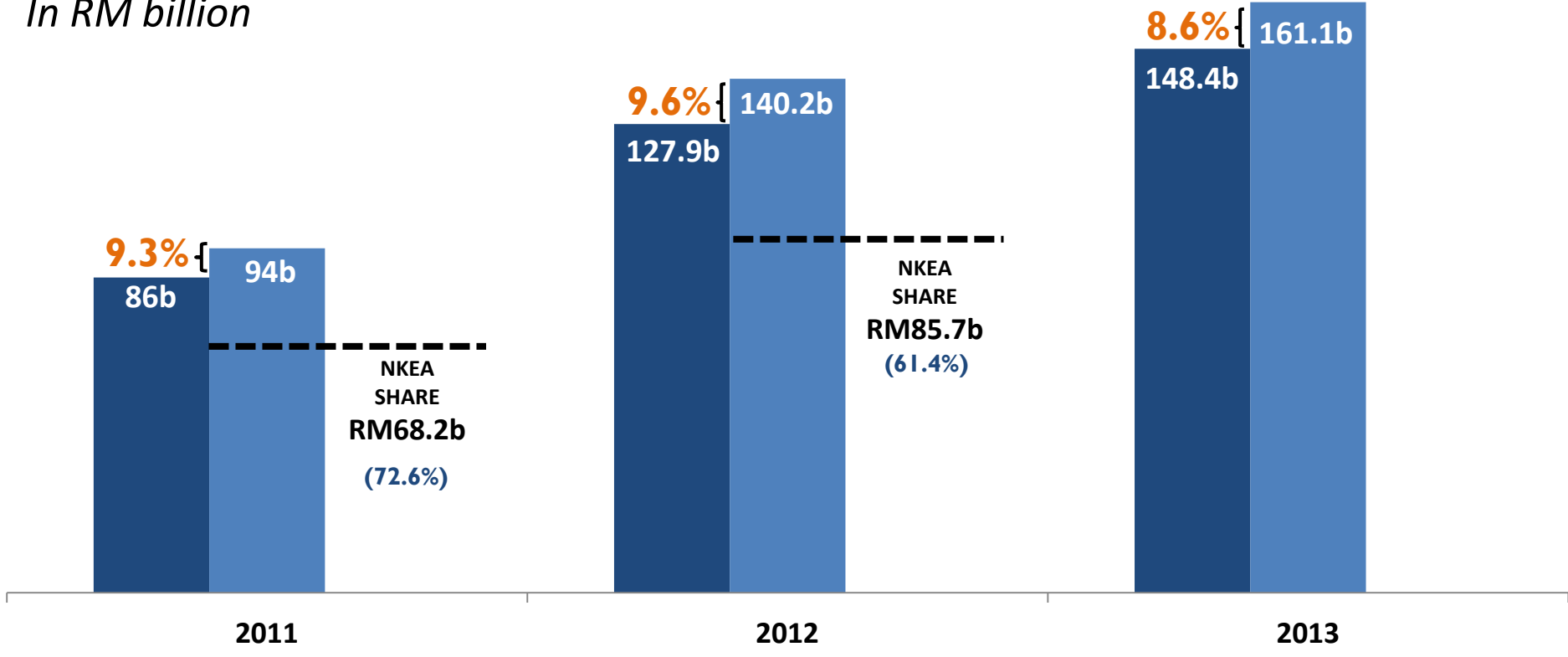
# 538.9B

## Approved Investment Post-ETP



# Private Investment EXCEEDING TARGETS

■ Target   
 ■ Actual   
 - - - NKEA share  
*In RM billion*



Actual investment figures are based on SNA 2008 after the rebasing exercise conducted in 2012

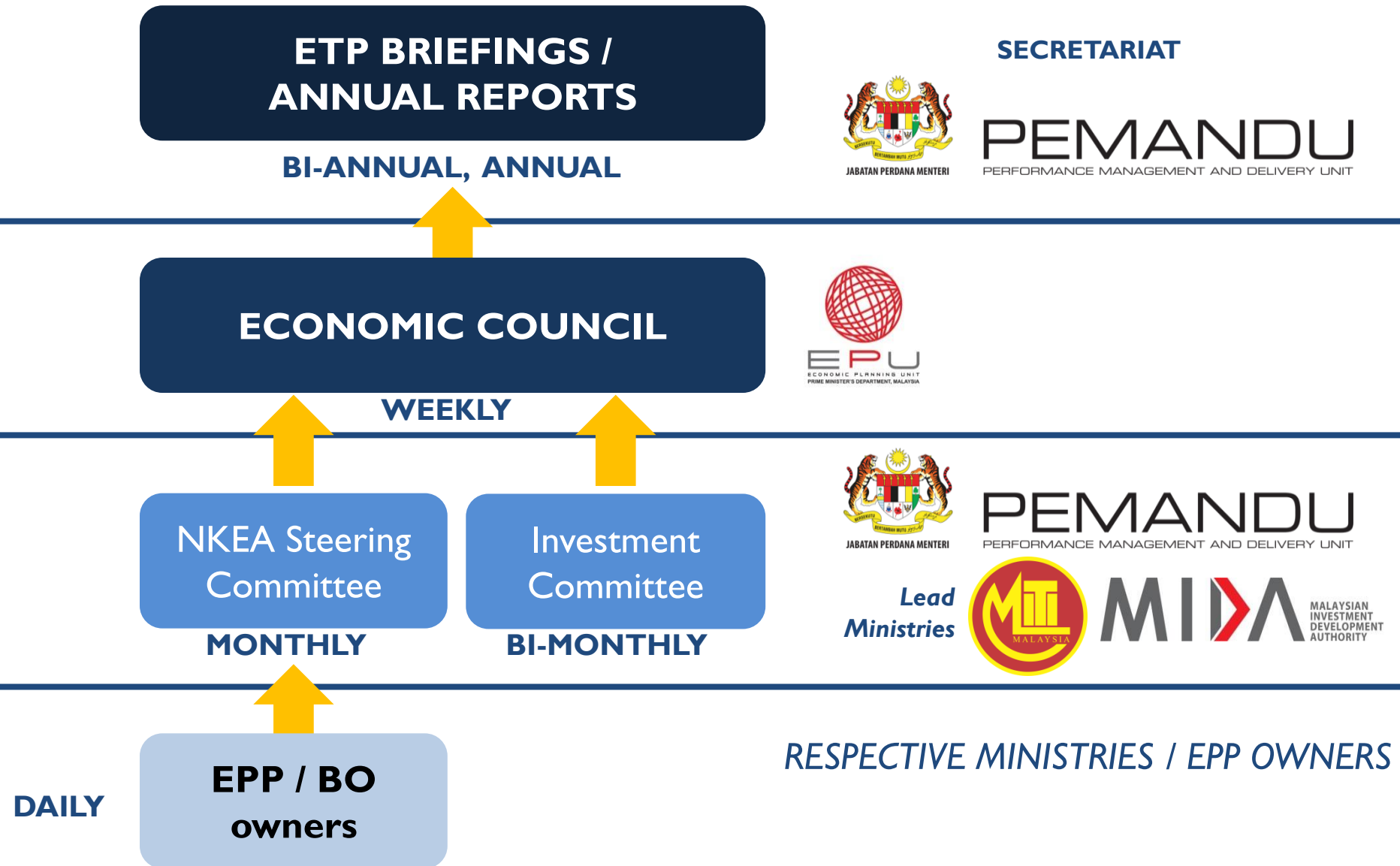


A photograph of a coach in a black t-shirt and purple shorts crouching to help an athlete with their yellow and black sneakers. The athlete is lying on their back on a red mat, wearing black shorts and white socks. The scene is set in a gymnasium with a green floor and yellow bleachers in the background. A blue banner with white text is overlaid on the image.

# DISCIPLINE OF ACTION

# ETP Governance Structure

## TO ENSURE DELIVERY





# COMMUNICATIONS TODAY

# Let's talk about social media... for a while...

... perhaps a long while

<http://www.youtube.com/watch?v=GDLU5Y8fmzk>



# A look at recent history – 10 years ago



Face book didn't exist



Twitter was a sound



The Cloud was in the sky



4G was a parking place



LinkedIn was a prison



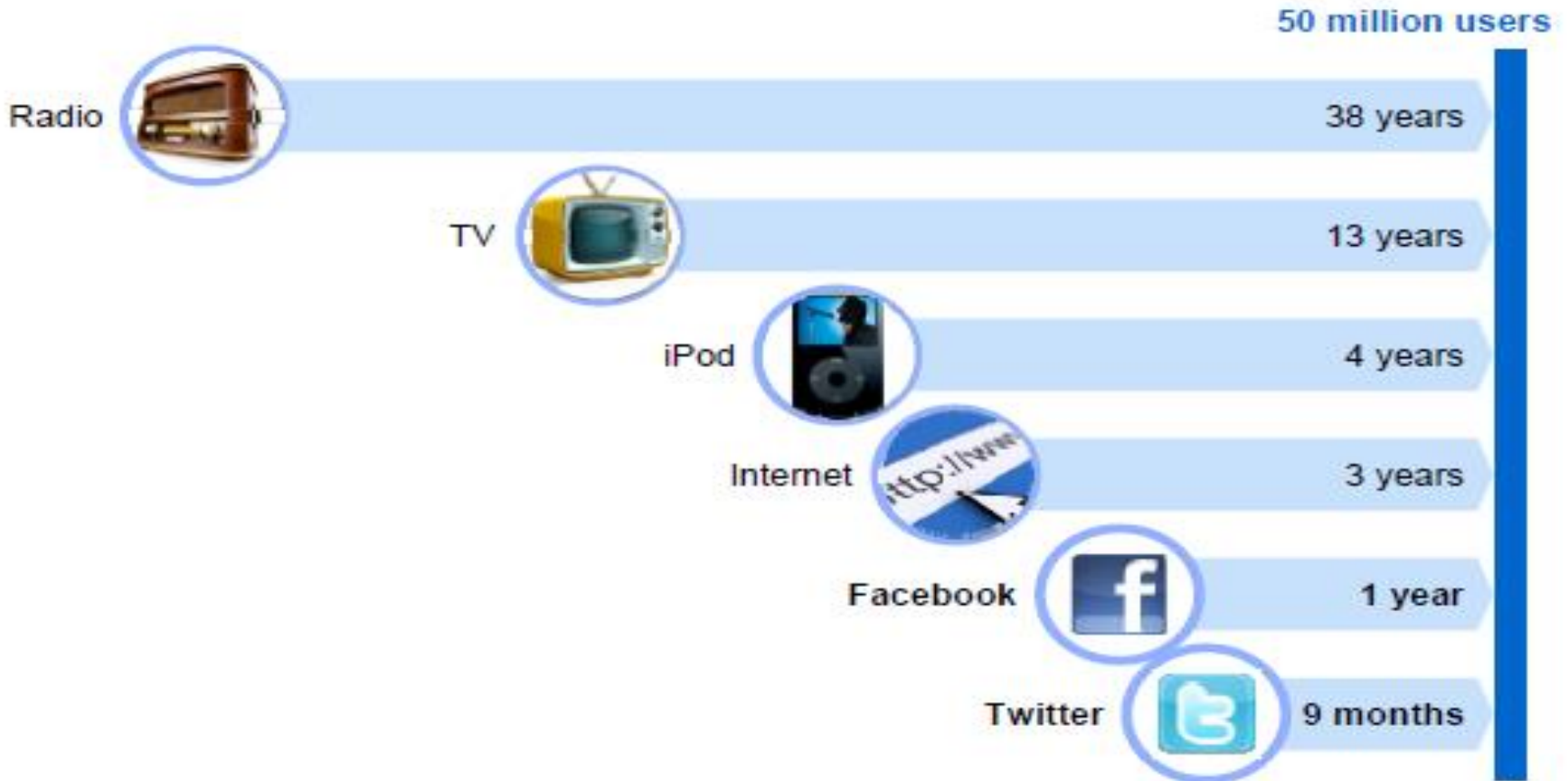
Applications were what you sent to colleges

# Technology adoption rate

**Social technologies have been adopted at record speed**

ILLUSTRATIVE

Time to reach 50 million users

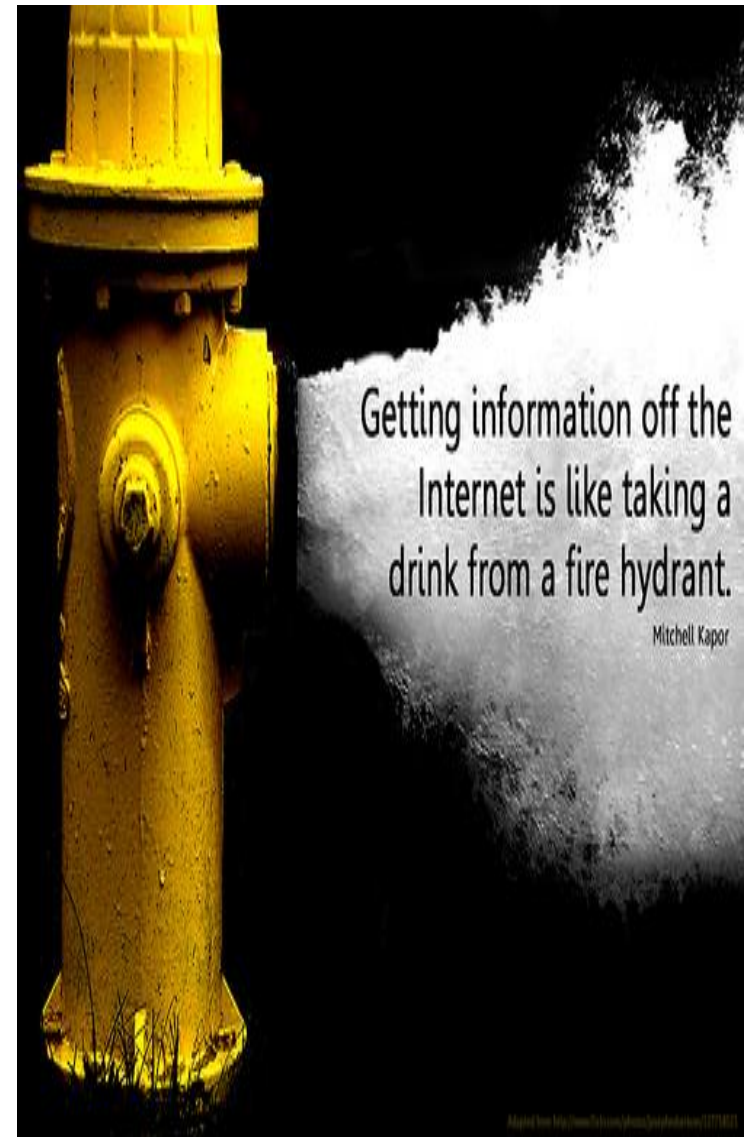


SOURCE: Various press reports

Source : Mckinsey Global Institute  
The Social Economy: Unlocking Value and Productivity Through Social Technology  
**What goes online, stays online!**



# Now... social media galore



What goes online, stays online!

# Social media landscape today

- Social media technologies or platform take on many different forms
- Mobile social media that runs on mobile devices is slightly different from traditional social media as it incorporates new factors such as the current location of the user (location-sensitivity) or the time delay between sending and receiving messages (time-sensitivity)





# How do people access the content?

- 4 screen strategy – smart tv, computer, tablet, smartphone

## Access Devices



- Devices are technology agnostic, using broadband & other transport technologies deliver content



Wired technology



Wireless technology



Satellite technology



Malaysia



Internet population

Malaysia population - 26,160,256

64.7% of Malaysian use the Internet. Internet users - 16,900,000

Top 5 social media channels



Facebook  
14,000m Page views  
75.5% Reach



Blogspot  
1700m Page views  
42.4% Reach



WordPress  
15m Page views  
16.1% Reach

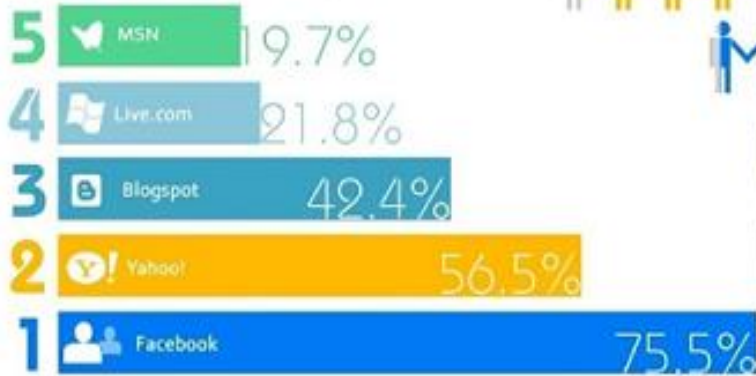


Twitter  
26m Page views  
7.6% Reach

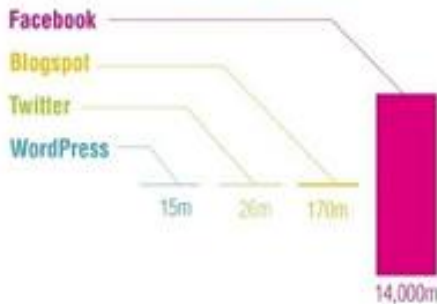


Metacafe  
5.1m Page views  
5.6% Reach

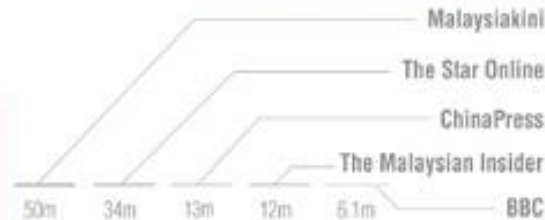
Top 5 websites (% Reach)



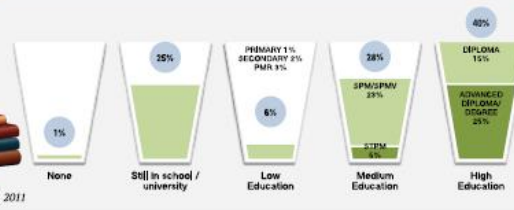
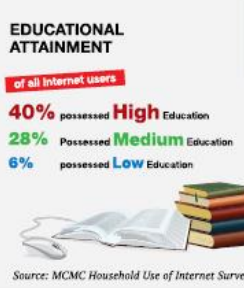
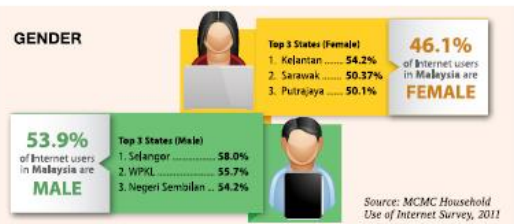
Social media



Mainstream media



2011



2012

DEMOGRAPHICS: GENDER/AGE

56.4% of Internet Users in Malaysia are **MALE**

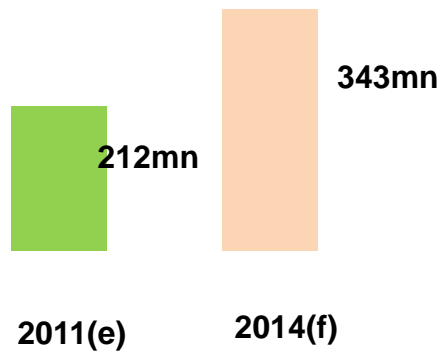


43.6% of Internet Users in Malaysia are **FEMALE**

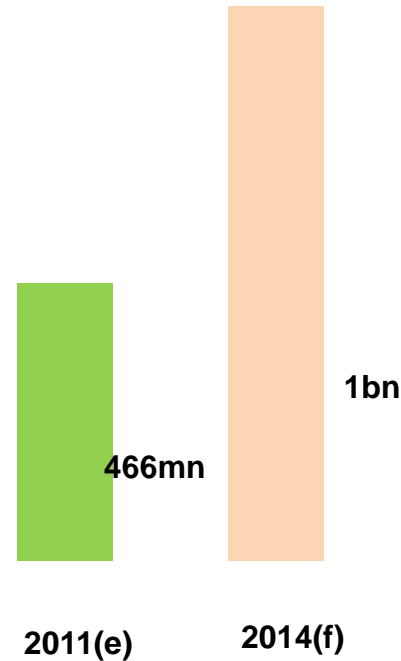
# Challenge #1: Fixed Broadband and 3G/LTE options for high speed access (*easy access*)



## Fixed Broadband



## 3G/LTE



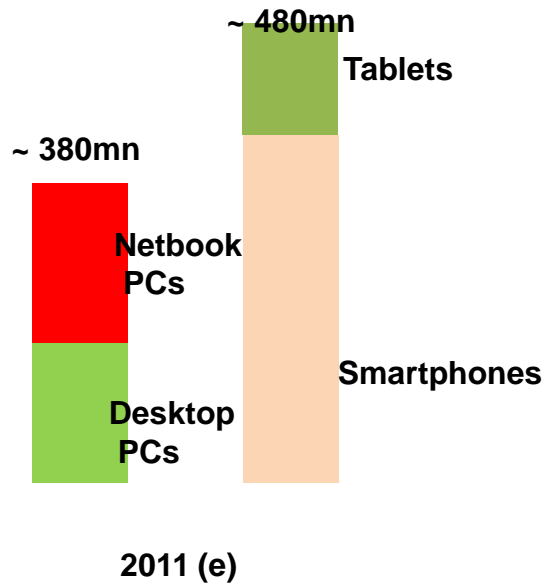
- **Stability is best via fixed broadband**
- **Fixed broadband market continues to grow in Asia Pacific region despite of the heavy penetration of 3G/LTE.**
- **MBB through dongles will touch 41mn in 2011 and reach around 100mn by 2014**

# Challenge #2: Mobile Platforms hitting the mass across smartphones and tablets

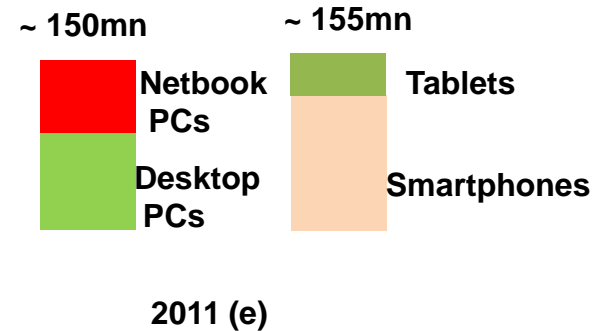
*(information on the go)*



## Global Trends



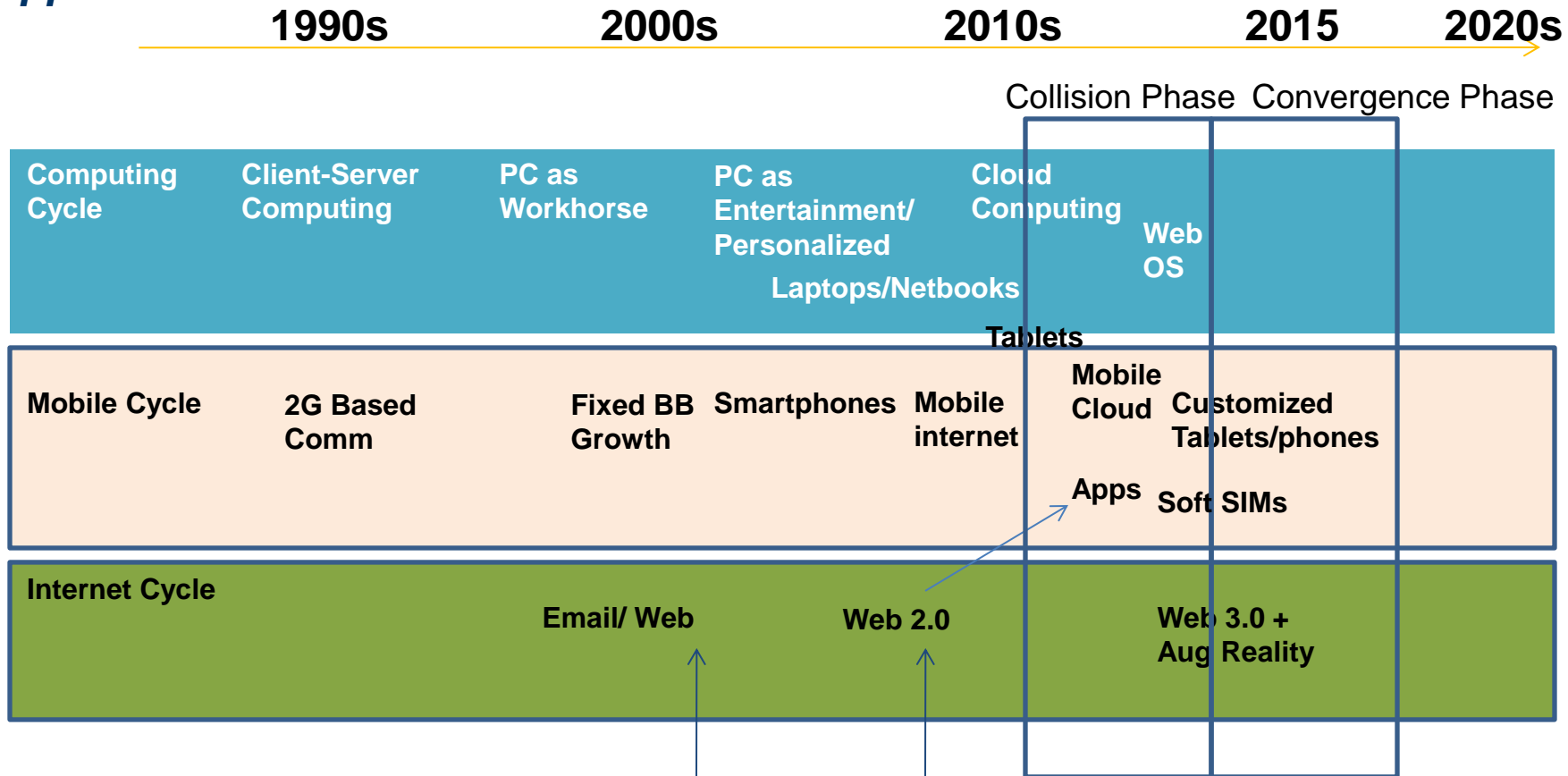
## Asia Pacific Trends



- Globally in Q4 2010, smartphone & tablet shipments exceeded desktop & PC shipments
- In the Asia Pacific region, we expect the shift to happen by end of Q4 2011

# Challenge #3: Platform play provides opportunity for reach

**3 ecosystems are converging in the mobile computing ecosystem with diverse approaches**



*Graph not to scale*

# Challenge #3: Platform play ensure richness

*(why would you need to buy and build??)*



		Apple's platform	Google platform	
<b>Communication Platforms</b>	Facebook	Inhouse?	??	Skype (Acquired)
<b>Entertainment Platforms</b>		Itunes /app store	Youtube	Xbox/PS3 Hulu ?
<b>Information Platforms (monetized by ads)</b>	Akamai		Google	Microsoft?
<b>Commerce Platforms</b>	Visa	NFC enablement	NFC enablement	PayPal Operator alliance
<b>Participation/SNS Platforms</b>	Facebook		Google +	Twitter ?
<b>Experience Platforms – OS + Web</b>	MS-Nokia?	iOS	Android	RIM (Acquired?)

# Challenge #4: Real use driven by enterprise social networking (*easy access to information; accept*

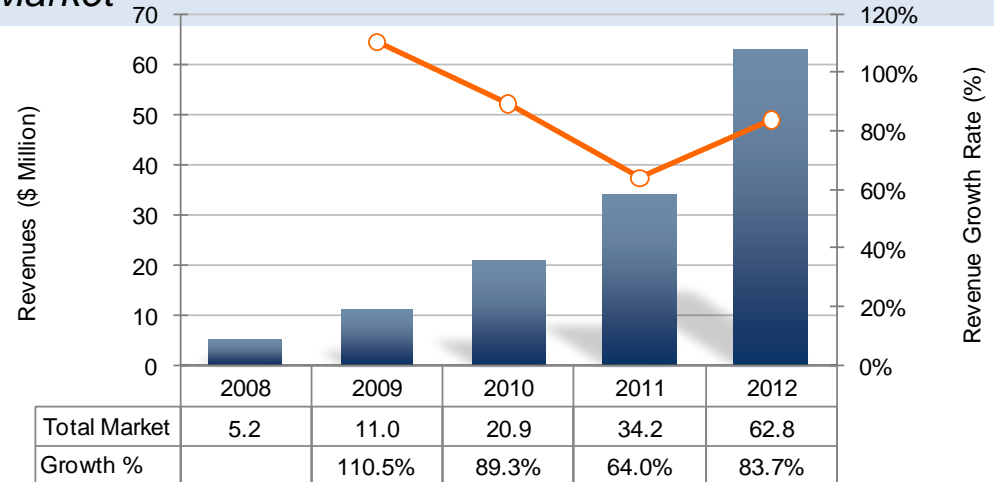


Enterprise-grade solutions for Social Collaboration emerging in the market

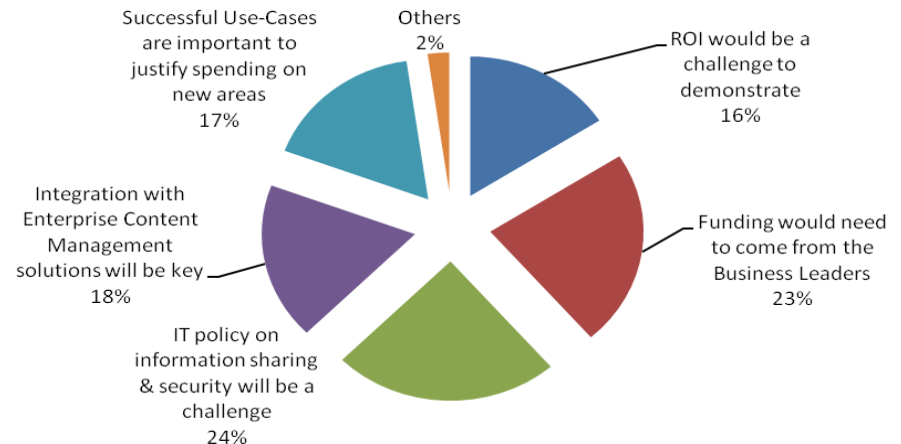
Market adoption saw sharp increase in 2012

**Access to info** beyond just healthcare givers  
 Direct access into the system;  
 hence issue **organization & security**

Asia Pacific Enterprise Social Networking Software Market



Challenges with Social Collaboration Adoption





# Challenge #5: “Internet of Things” as more and more devices, equipment and gadgets get connected (*connected faster; any time any where; NOW??*)



## The Home Network



- 8-10 Devices per home
- Universal Remote

6 bn

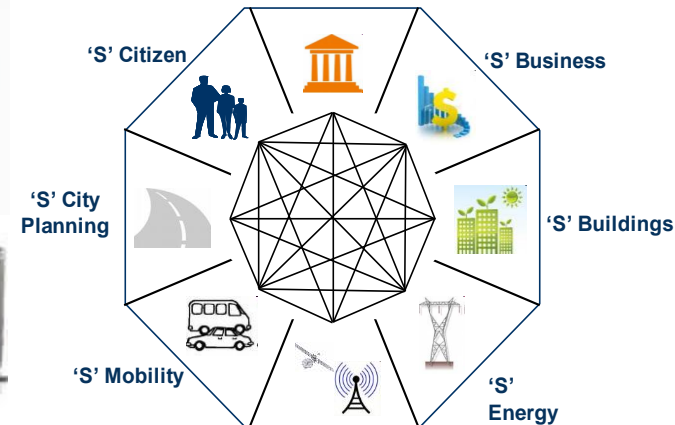
## Mobility on steroids



- 5-6 Devices per individual
- Touch as the default input mechanism

30 bn

## Internet of things



- 500 per sq km
- Smart cities

44 bn

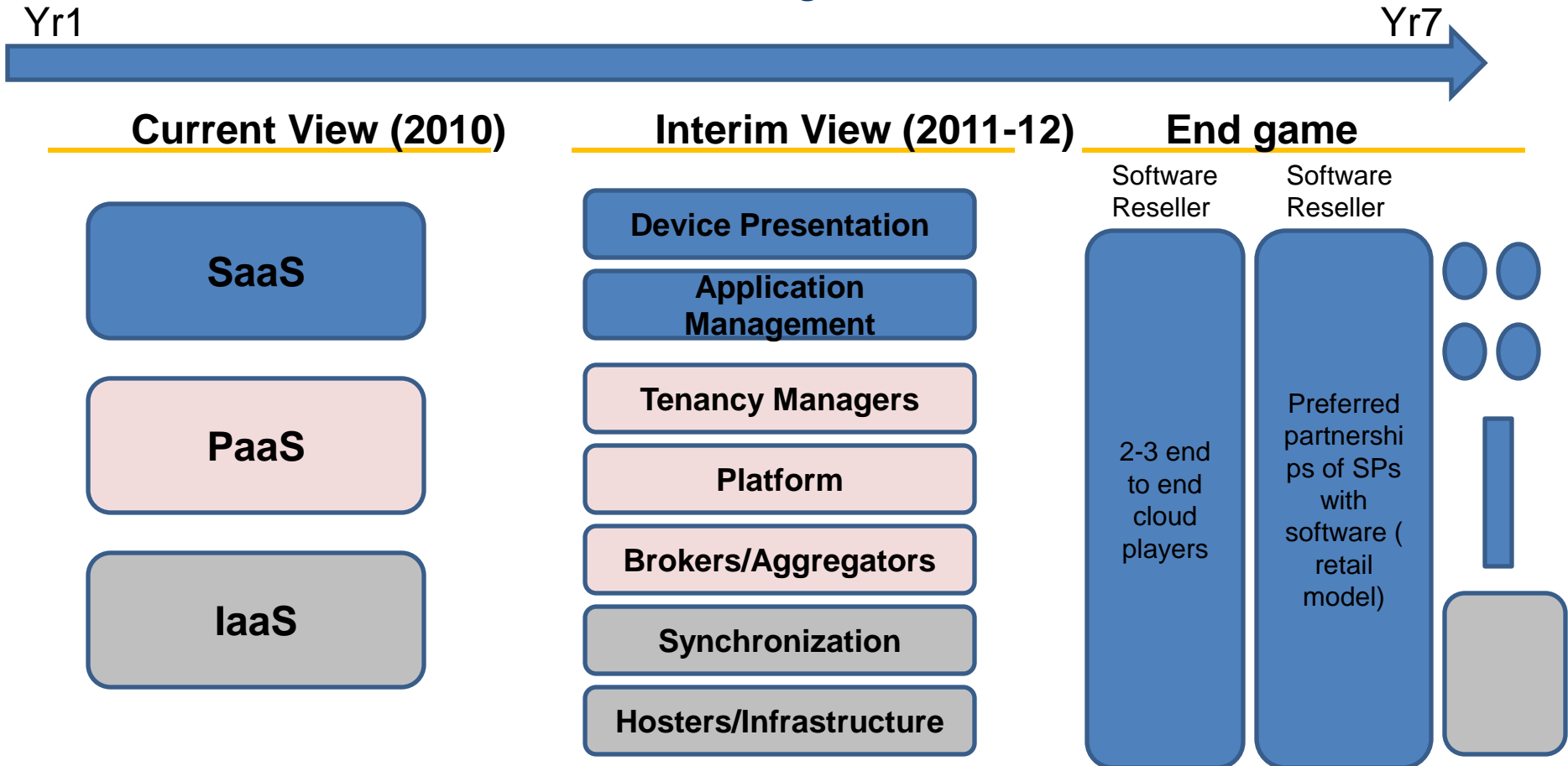
- Rapid commercialization of enabling technologies
- Demand for such services in select sectors driven by productivity requirements



# Challenge #6: Cloud computing is set to become mainstream. Platform-as-a-service (PaaS) next big thing (*Willingness to share?*)



*The cloud value chain will disintegrate and consolidate later*



# Challenge #7: Big Data and Analytics will see a boom (*deduction on ICT??*)



***Data is expected to increase dramatically over the next decade; Data from machine communication is expected to exceed social media in the next half decade***

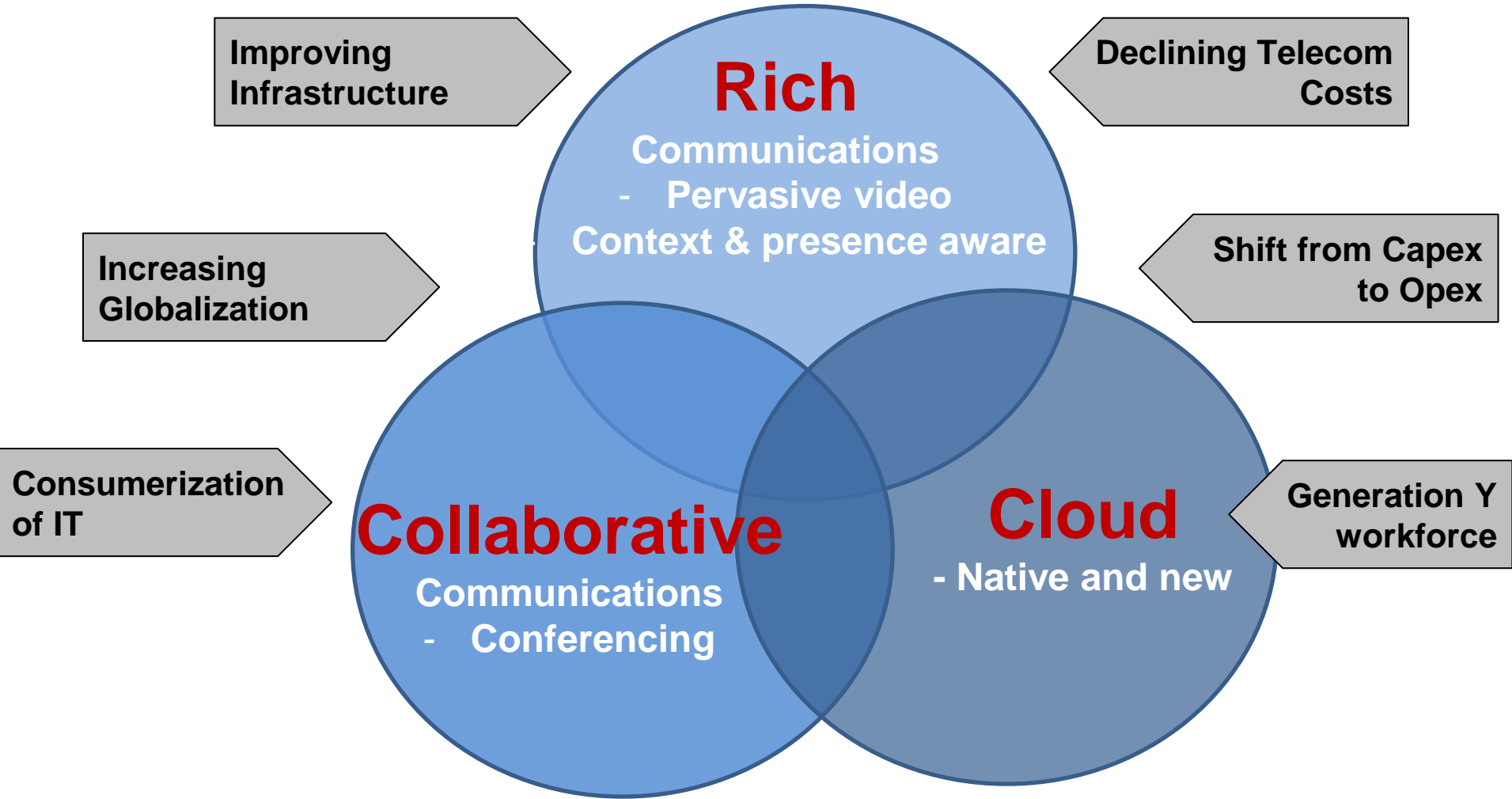
## **Growth Areas @ Analytics**

- Queries,
- Reporting, analytics,
- Advance analytics,
- CRM analytics,
- Data warehouse generation
- Organization financial / strategy analytics
- In-line and predictive analytics
- Move more towards cloud





# Challenge #8: Enterprise communications be more collaborative and increasingly move towards the cloud (services???)





# What else for Geospatial?

## Opportunity

1

**Governance**

## Description

- Technology for governance
- Evidence for enforcement
- Acceptance of people

2

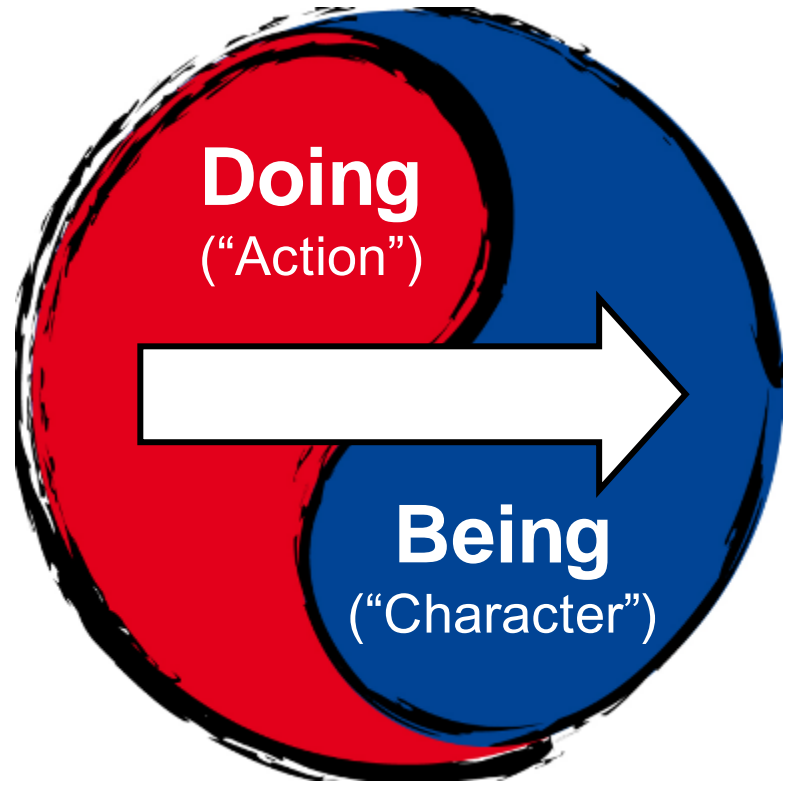
**Commercial**

- Demand for information
- Micro granular information
- Commercial models??

3

**Money**

- Acceptance of PPP model??
- Priority of resources
- Behaviour on procurement
- Maintenance principle



**Transformational:**

Changing the **'being'** by **'doing'**

A close-up photograph of a person's hand holding a rectangular sign. The hand is positioned on the left side of the frame, with the thumb and index finger gripping the edges of the sign. The sign is a solid, light gray color and features the words "THANK YOU" in a bold, white, sans-serif font, centered horizontally. The background is a plain, light-colored surface, possibly a wall or a backdrop, which is slightly out of focus. The lighting is soft and even, highlighting the texture of the skin and the smooth surface of the sign.

**THANK YOU**

*For more info*



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*Stay updated*



blog

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