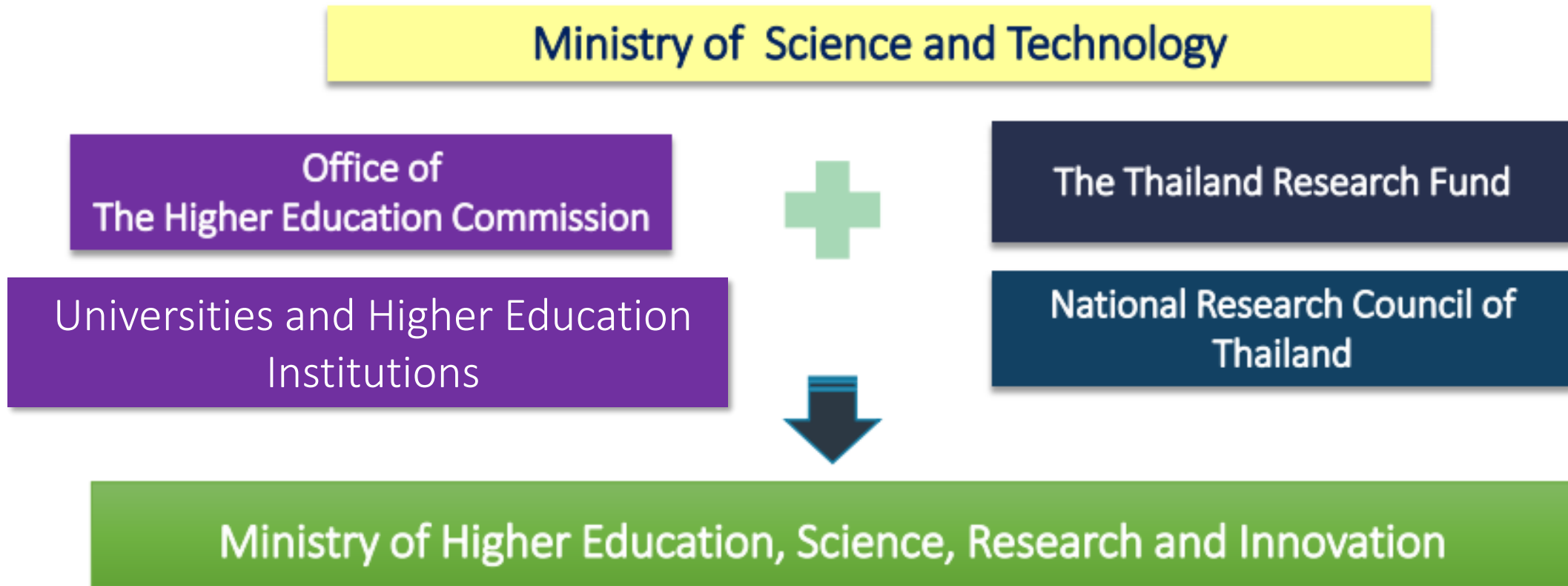


IP and Start-ups in Thailand: A University Context

Dr. Pathom Sawanpanyalert, the Deputy Permanent Secretary
Ministry of Higher Education, Science research and Innovation (MHESI)
November 26, 2019

Reformation of Higher Education, Science, Research and Innovation system in Thailand

According to the new Acts effective on May 2nd, 2019



Transformation Principle to Thailand 4.0



2-Missions

Emphasizes on

- Preparing Thai People for the 21st Century
- Bringing Knowledge and Innovation to Develop the Country

3-Reforms

- Administrative Reform
- Regulatory Reform
- Budgeting Reform

8-Concepts

- Transformation
- Foundation of the Future
- Leading through Strategic Funding
- Empowering
- Autonomy with Accountability
- Modern Management Agencies
- Flow and Collaborative Networks
- Policy and Process Innovations

Reinventing Universities System and Research System



Reforming universities and research institutes

Platforms for Reforming Higher Education, Science, Research and Innovation

16 Key Driving Programs

Platform 1

Human resource development and Knowledge Institution

P. 1 Create production system and develop the quality of exceptional workforce

P. 2 Produce high-skilled workforce to bolster EEC readiness

P. 3 Support life-long learning and future-oriented skills

P. 4 Promote Artificial Intelligence as the foundation for the country's future driving force (AI for All)

P. 5 Promote frontier researches and basic researches that Thailand has potentials

P. 6 Create critical scientific infrastructure (futurism, observatory, synchrotron, space science, plasma fusion)

Platform 2

Research and Innovation for Social Challenges

P. 7 Challenging issues on resources, environment and agriculture (zero-waste, PM 2.5, smart farming, water management)

P. 8 Aging society

P. 9 Quality society and security

Platform 3

Research and Innovation for Competitiveness

P. 10 Enhance competitive capacity and establish economic foundation (BCG economy, AI & data economy, creative economy, sharing economy, RDI for S-curve industries)

P. 11 Develop innovation ecosystem and innovation economy zone (science park, EECi, food innovation city)

P. 12 Qualitative infrastructure and services (assess, compare standards and certify quality)

Platform 4

Research and Innovation for Area-Based Development and Inequality Reduction

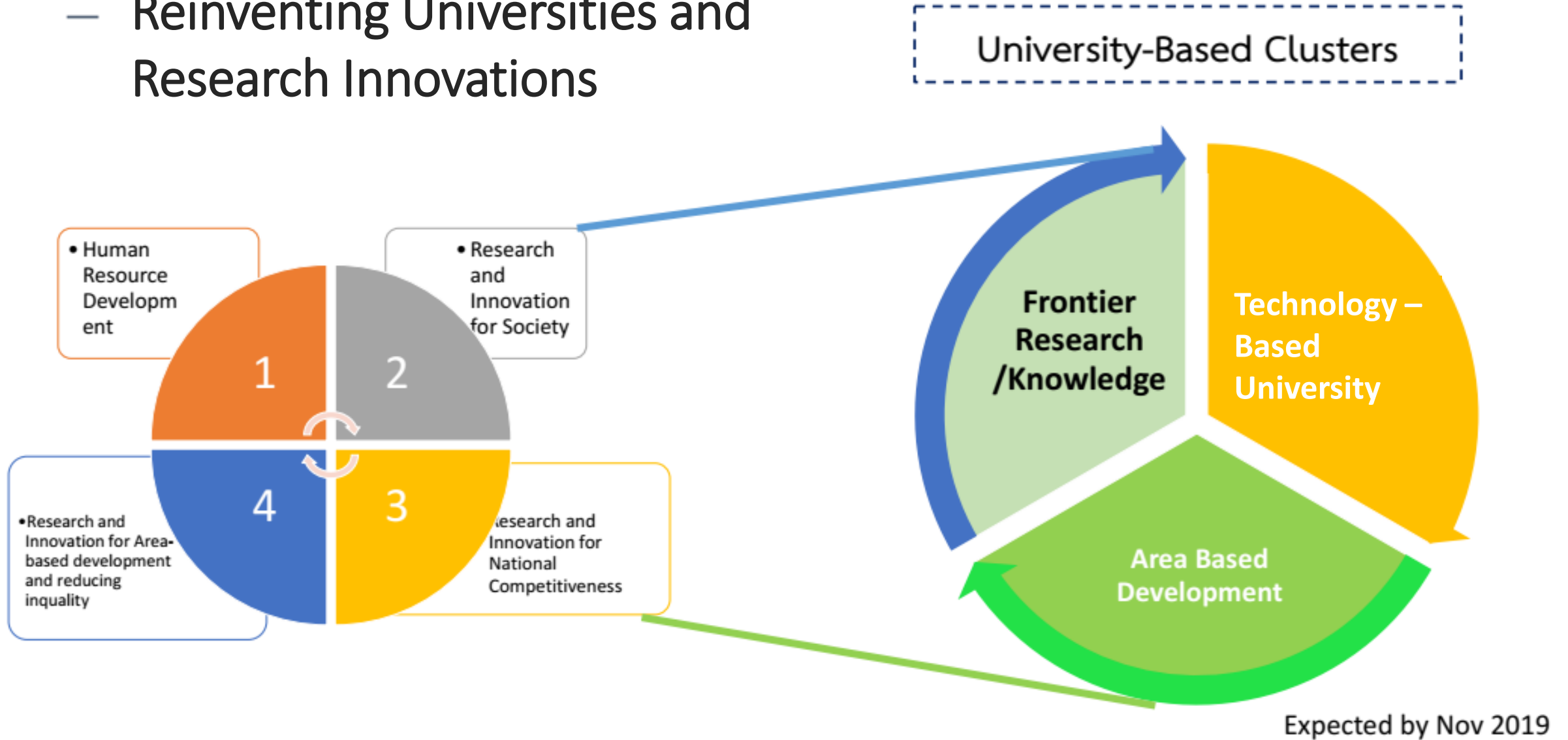
P. 13 Innovation for basis economy and innovative communities

P. 14 Complete and precise poverty eradication (personalized poverty eradication)

P. 15 Smart, livable city

P.16 Reformation System (reinventing universities & research institutes)

– Reinventing Universities and Research Innovations



Startup ecosystem and the future of Thailand's economic growth



National Startup Committee (NSC)

1. Open for talent: Skill Development Platforms / Incubator Programs
2. Open for business growth: Youth Startup Funds
3. Open for investment: Research GAP Fund / TED Fund / Government Initiative (Startup Thailand)
4. Open for ecosystem: To support the growth of startups, NSC is working on..

4.1 Fostering the Regulations Ownership Patent Right in Thailand

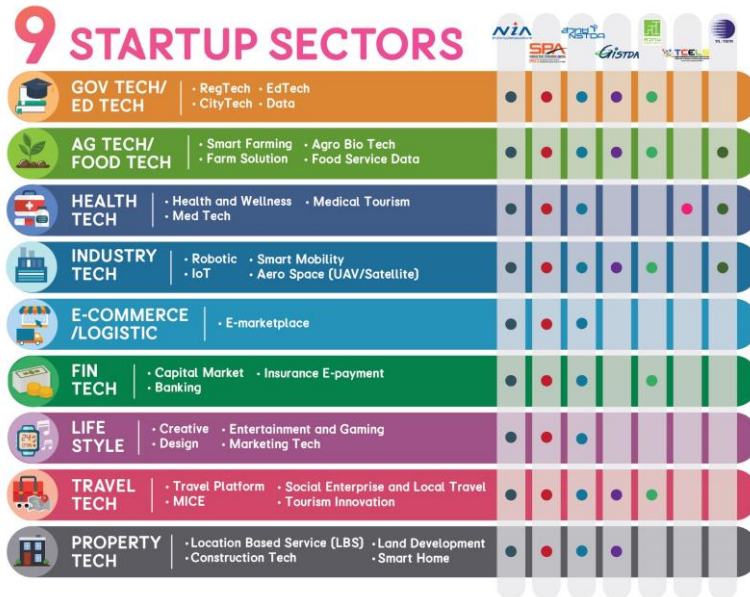
- Bayh-Dole Act
- Startup Act
- Regulatory Sandbox Act

4.2 Developing the Infrastructure

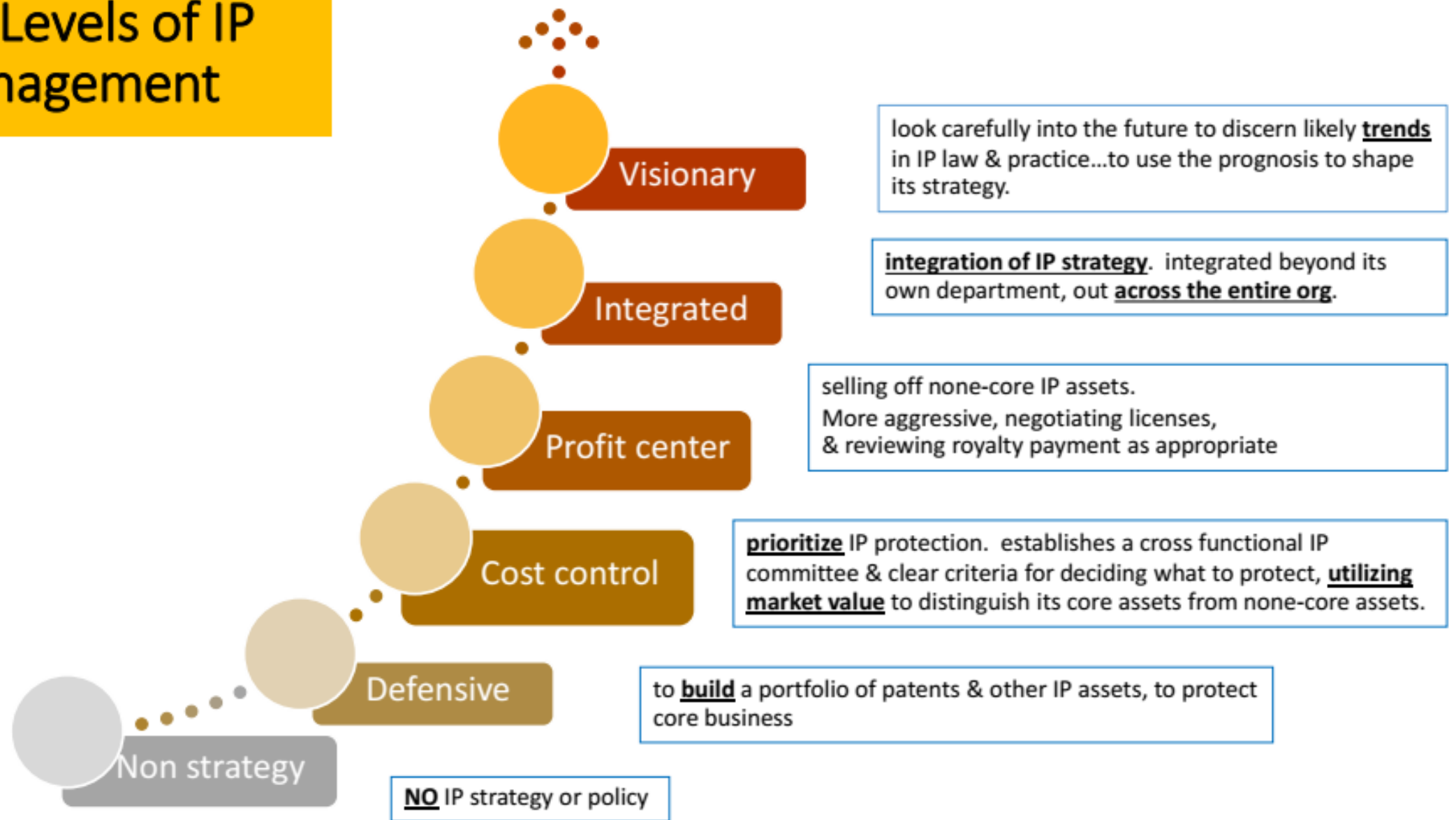
- Improve the National Quality Infrastructure (NQI)
- Establish the "Pilot Plant" to facilitate the startup entrepreneurs

4.3 Human Workforce Development

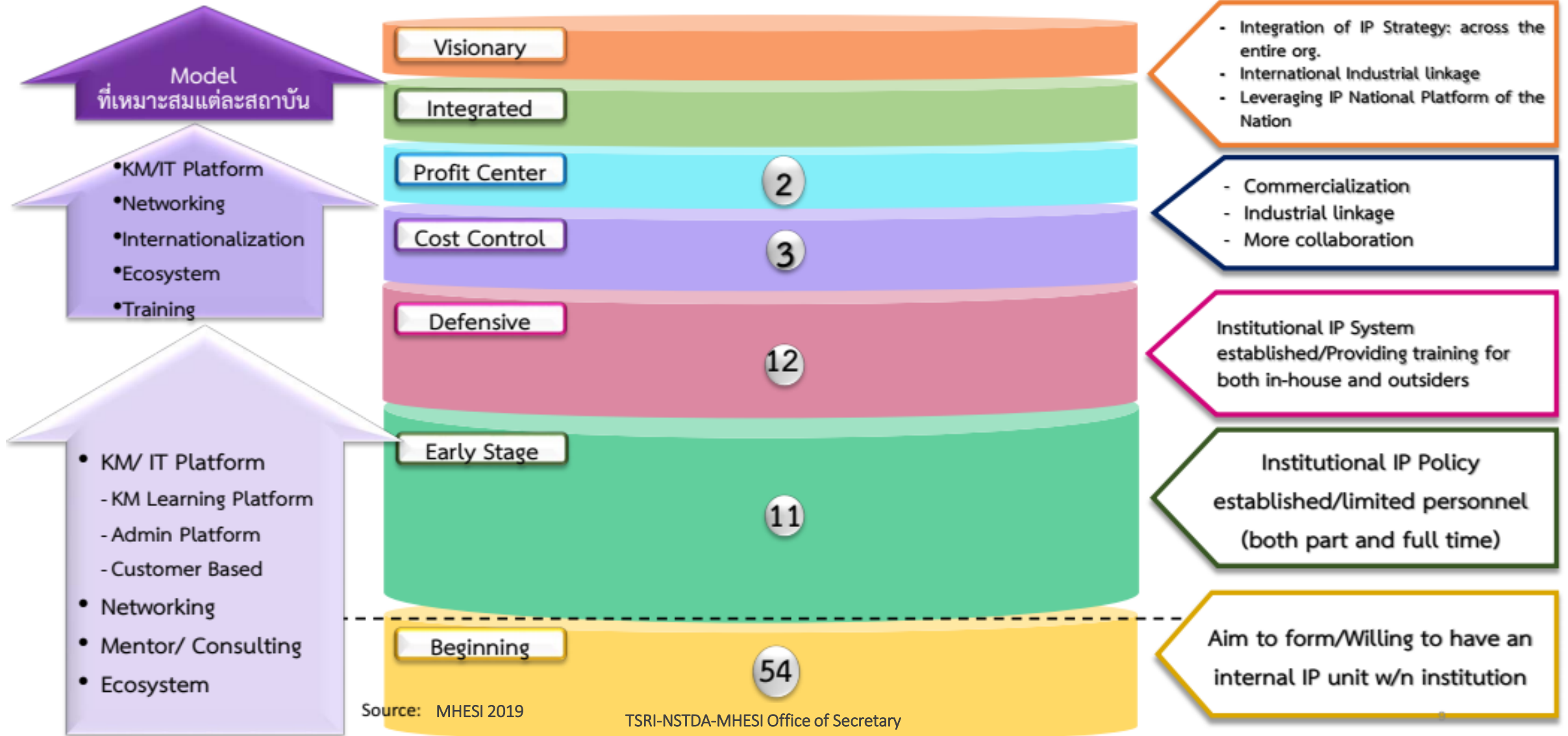
- Provide funds called "Youth Startup Fund" for students to develop the business model



TTO: Levels of IP management



TLO (TTO) Master Plan 2018 - 2022





กระทรวงการอุดมศึกษา วิทยาศาสตร์ วิจัยและนวัตกรรม
Ministry of Higher Education, Science, Research and Innovation



- Thank you -

- Supporting Information -

Brief history of university TTOs in Thailand



1991 - 1995

- CUIPI
- Mahidol TLO
- NSTDA

1996 - 2000

- Kasetsart TLO
- IPMO, KKU
- CMU TLO

2000 - 2005

- PSU
- KMUTT
-

2007

OHEC has officially started subsidizing University TLOs.

Filing IP protection

Awareness building & continue filing IP protection

Training personnel & start commercialization activities

Awareness building & commercialization

IP management & capacity building

Talking Points/Consultations

- Governing Body
- Administration
- Membership types
- Scope of key activities (short term and long term plan)
- Key challenges to be aware of
- Expectation from ATTP



AIMs Thailand

Alliance of Innovation Managers Thailand

AIMs Thailand



Vision: To be a platform to promote a better technology transfer and innovation management system through partnership.

Mission :

- To **build and nurture innovation manager professionals** working in research institutions, universities, firms and governments by creating a network of innovation managers, building up their careers as well as strengthening their capabilities,
- To **unify, educate and strengthen body of early-career, mid-career and senior practitioners** in technology transfer and innovation management, and
- To **promote career path of technology transfer and innovation management professionals** for sustainability.

Alliance of Innovation Managers (AIMs Thailand)



“Strengthening innovation manager professionals working in research institutions, universities, firms and governments”

- Trainings program
- Annual Conference
- IP fair / Marketplace

- Accredit Innovation Manager
- Career centre (seeker/employer)
- Career opportunity (internship /scholarship)
- AIMs Thailand Award



- Website
- Educational Library
- Patent Database
- Licensing manual
- Journal
- IP Consultant Short List

Action Plan to form AIMs Thailand

*Joining hands to promote
a better technology transfer and innovation
management system through partnership.*

2019

*Forming a working group to
brainstorm & drive the action
plan*

- Recruiting membership



2020

*Institutionalizing AIMs as
a legal entity*

- AIMs Board members (by law) ready.
- Put all infrastructure in place.



2021

*Turning AIMs to be an
internationally recognized
entity.*

- Joint collaboration with international partners e.g. AUTM, PraxisAuril, KCA, ASTP Proton, UNITT, LESI, WIPO and other ATTP org members.



2022

Being Sustainable AIMs

