

Technology Appraisal⁺

its use and application in technology
transfer & commercialization

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KIbO

Korea Technology Finance
Corporation

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2. How Technology Appraisal is utilized through technology transfer process
: Information providing, Valuation, Financing, Technology development plan

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I. About KOTEC

WHO WE ARE

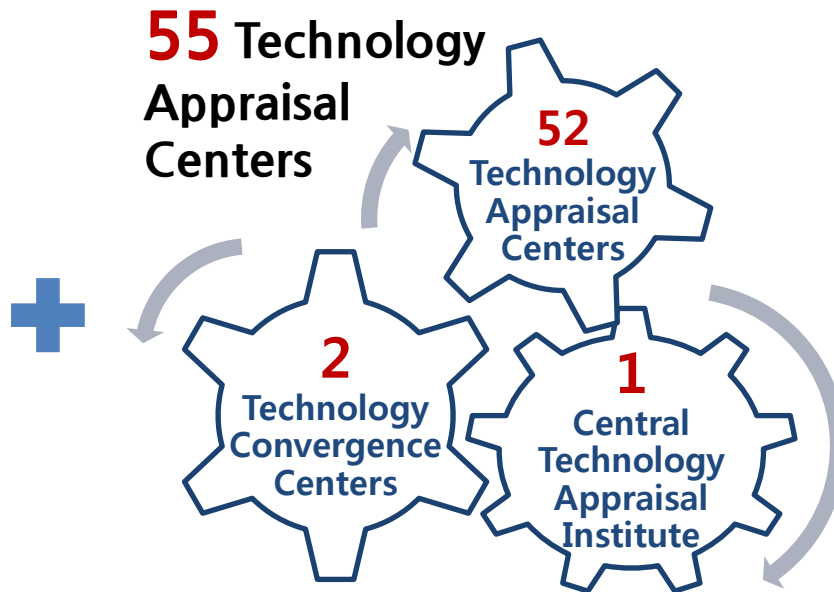
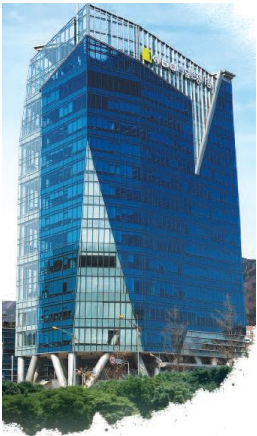
○ What is KOTEC?



- ▶ Founded in 1989 (President: Mr. Kim han-chul)
- ▶ Non-profit financial institution(No Shareholders)
- ▶ Contributions from Government & Financial Institutions
- ▶ “Technology Guarantee” : a special type of credit guarantee

○ Organization

Headquarter
(Busan, Korea)



○ Staff

1,095
Total Employees

Certified
Technology
Appraisers



865

Ph.Ds

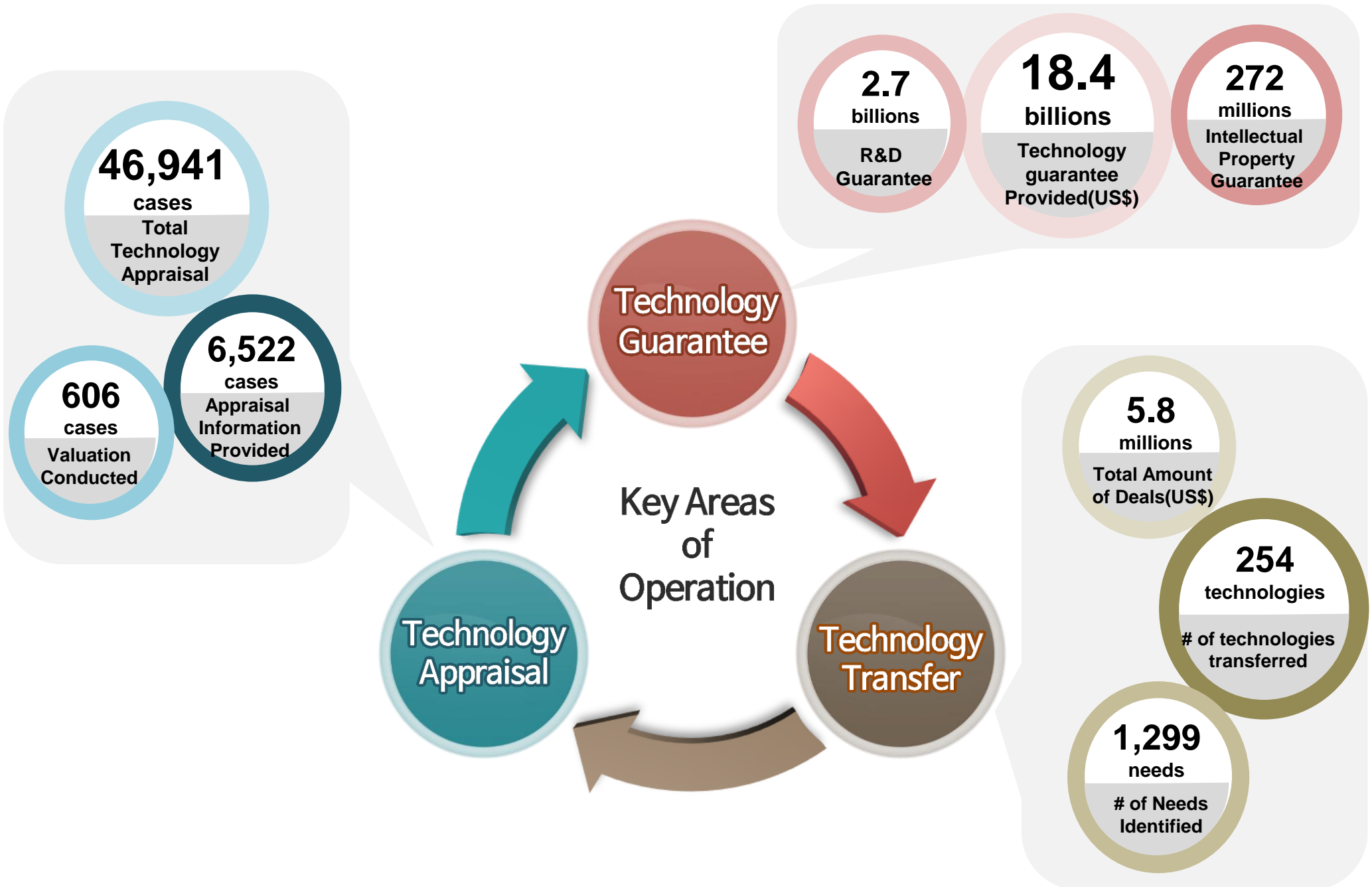


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Partner for innovative SMEs, **Global Leader** in **Technology Financing**

I. About KOTEC

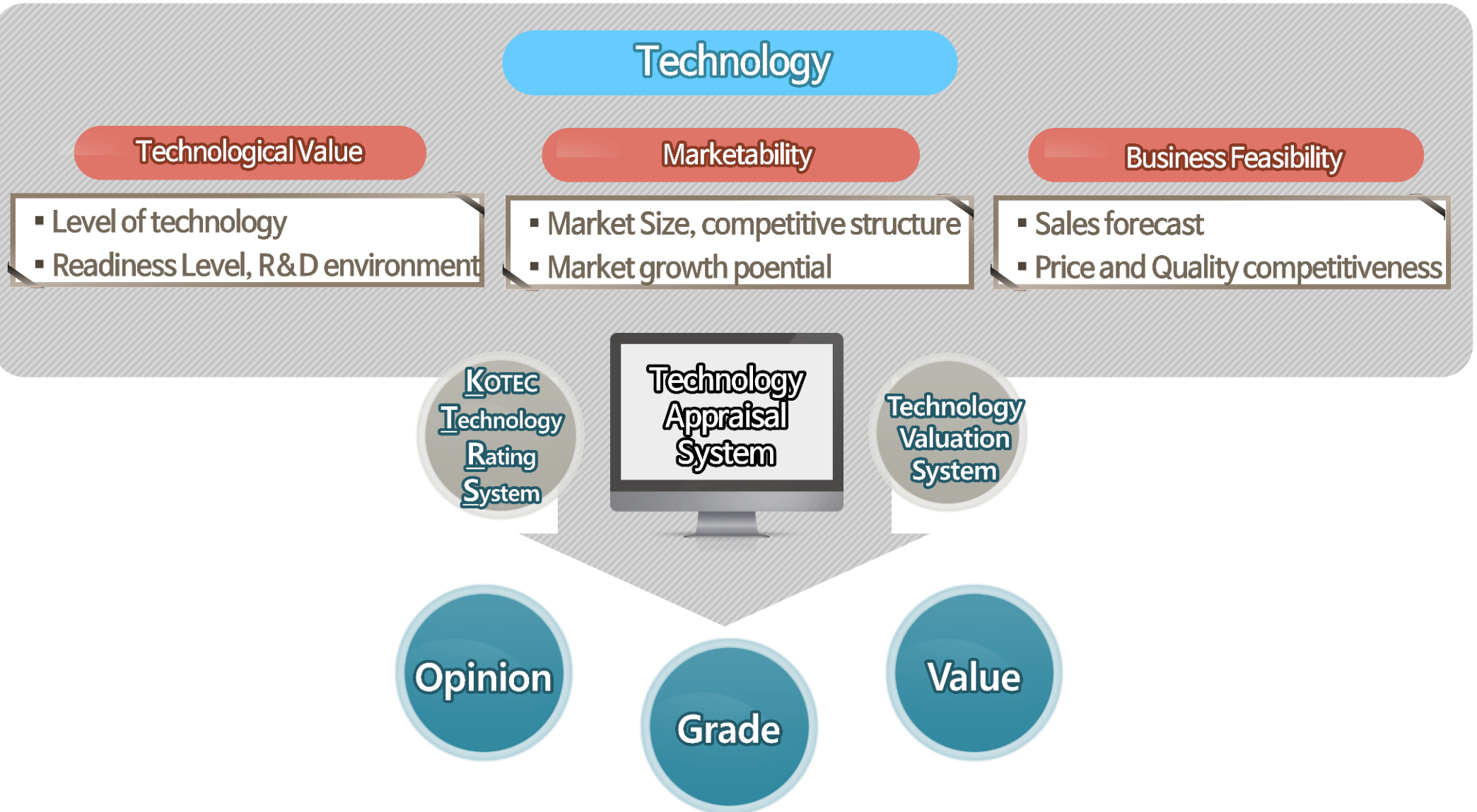
Key Areas of Operation



II. Technology Appraisal

Overview

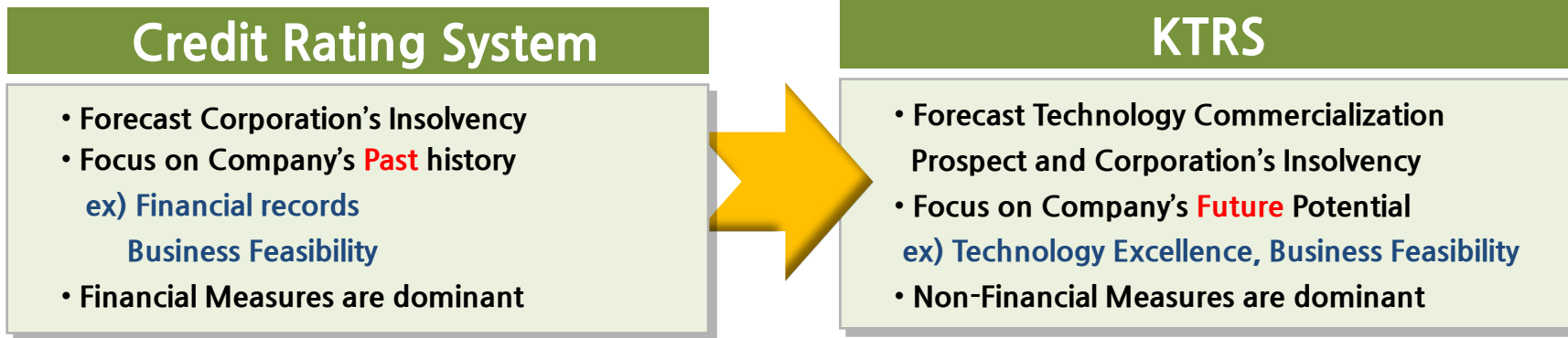
○ What is “Technology Appraisal”?



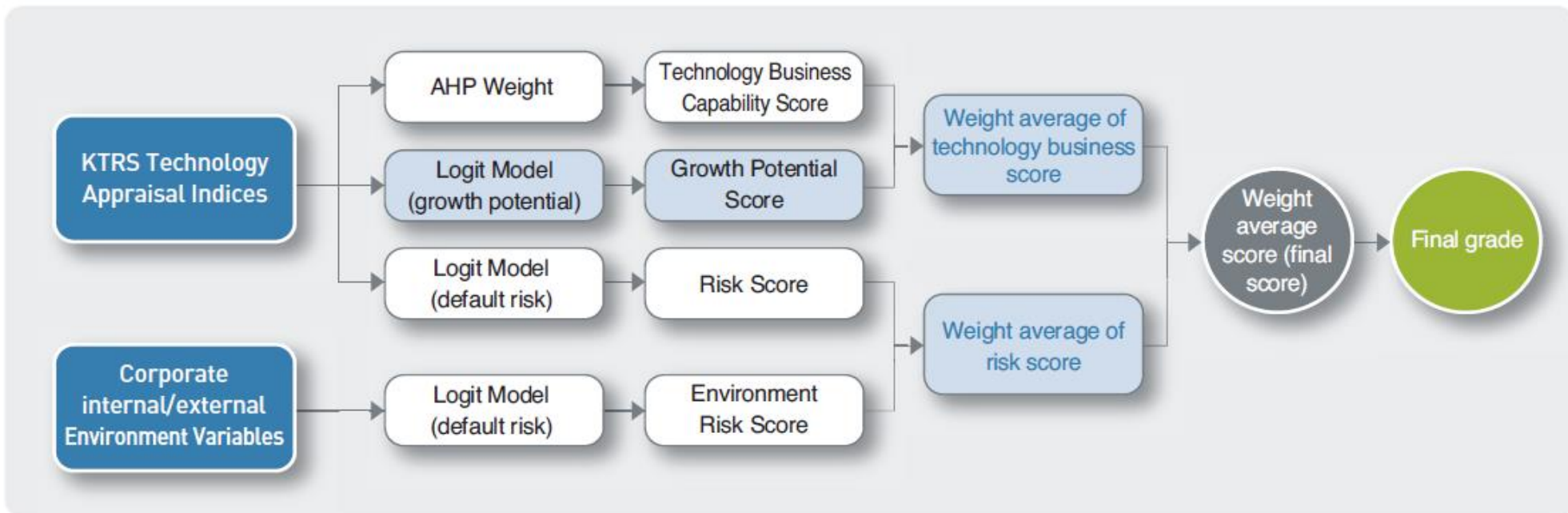
II. Technology Appraisal

KTRS

○ Credit Rating System and KTRS



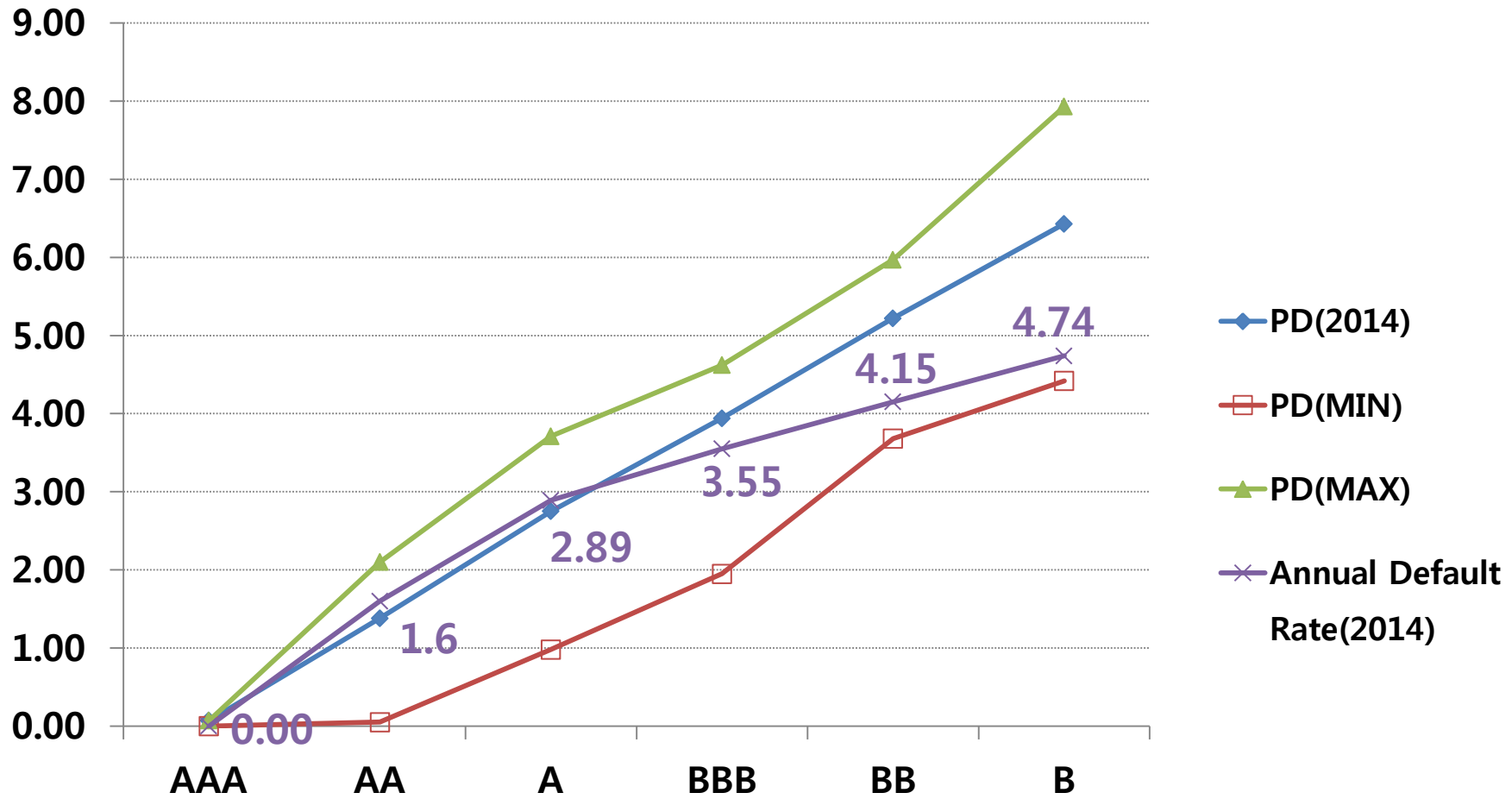
○ KTRS Rating Process



II. Technology Appraisal

KTRS : Predictability of Default

○ Probability of Default (PD) for each KTRS Rating Grade



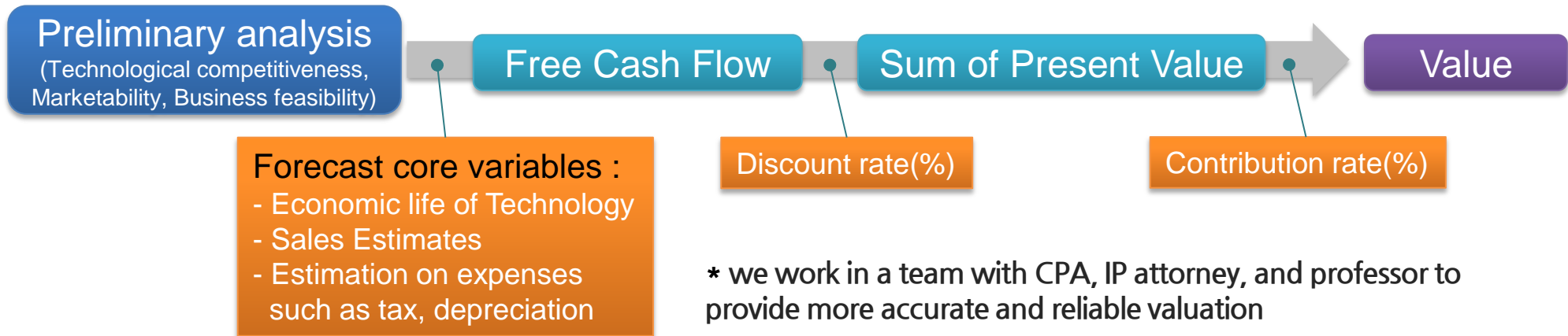
II. Technology Appraisal

Technology Valuation Model

○ Purpose



○ Methods : Income approach, market approach, cost approach, R&D multiple

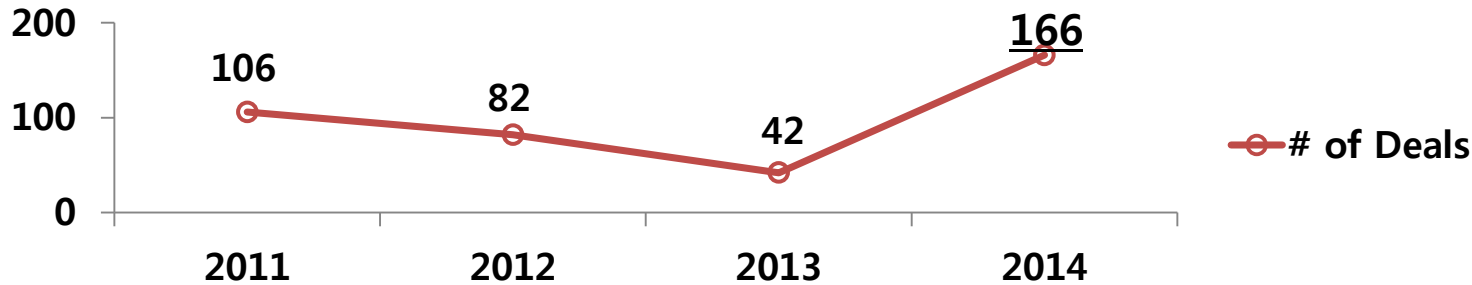


○ # of valuation conducted by KOTEC : ('13) 378 ⇨ ('14) 606

III. Technology Transfer

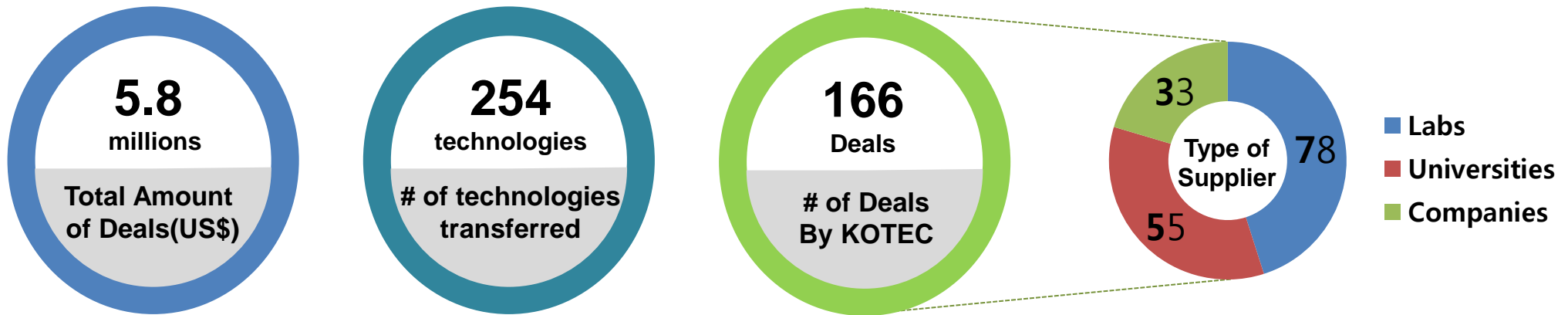
Overview

Technology Transfer Deals intermediated by KOTEC



The number of deals **dramatically increased in 2014** since we created the **specialized Office (Tech Bureau)** and **Centers (Technology Convergence Centers)**, and the **platform** for the technology transfer

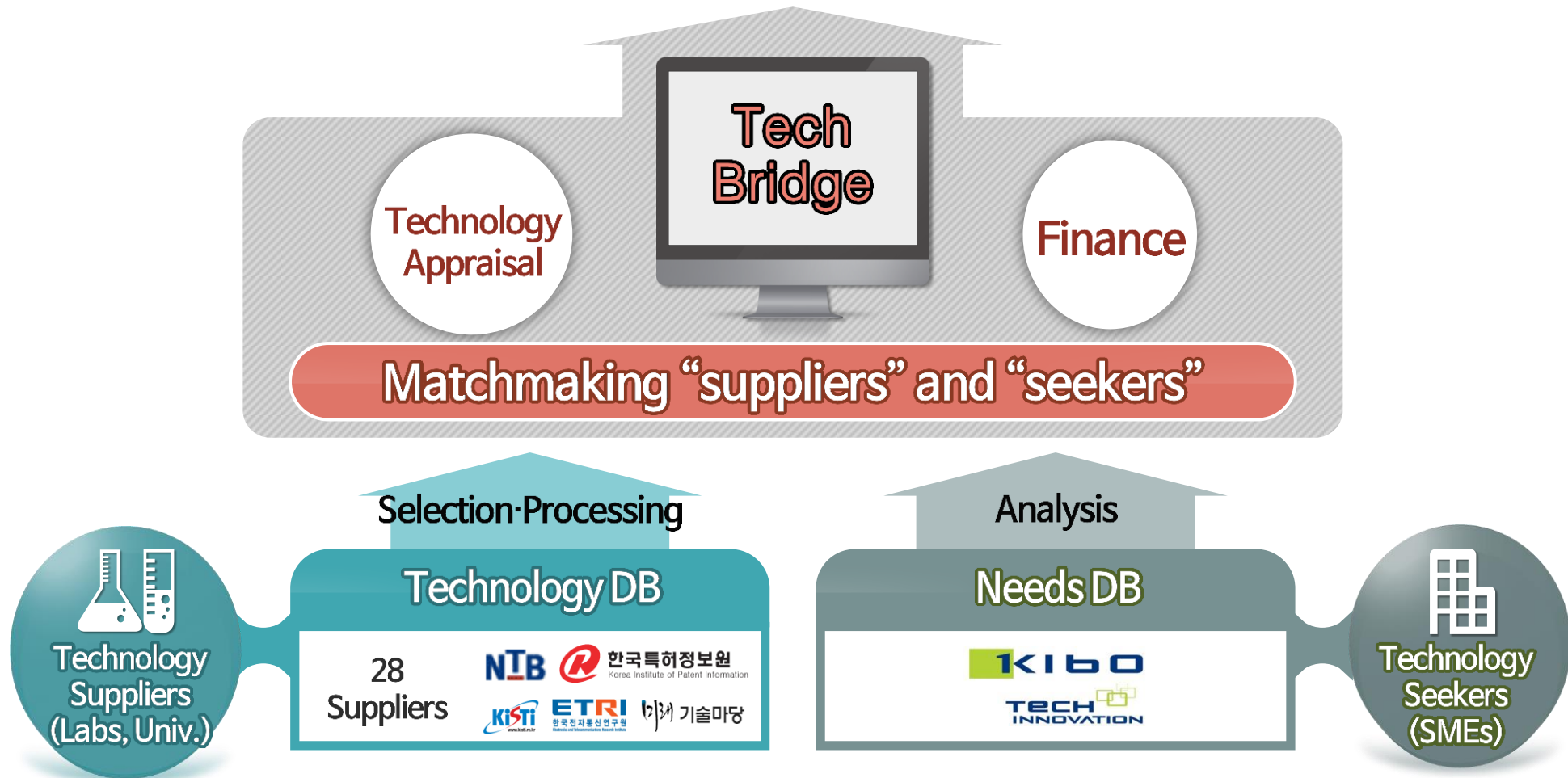
KOTEC Tech Transfer Figures 2014



III. Technology Transfer

Tech-Bridge

Promoting Technology transfer & Commercialization



III. Technology Transfer

Tech-Bridge : What is different?

Tech-Bridge

01 Needs DB

02 One-stop service

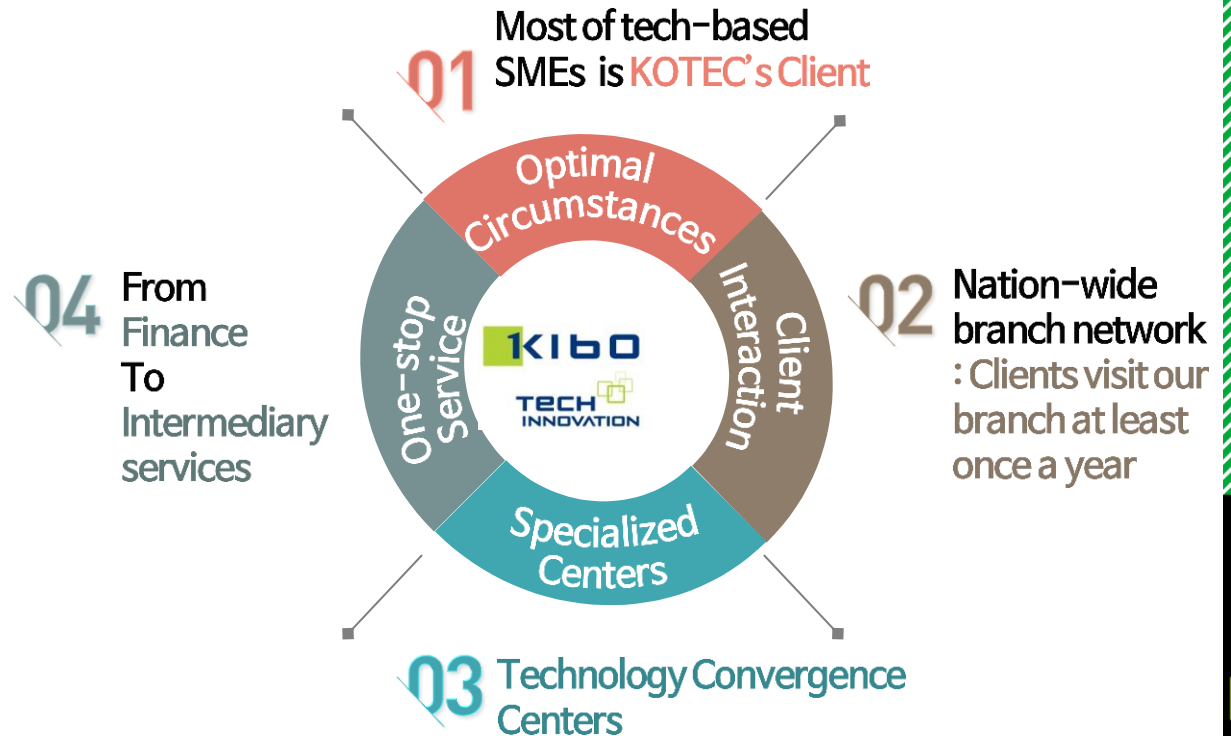
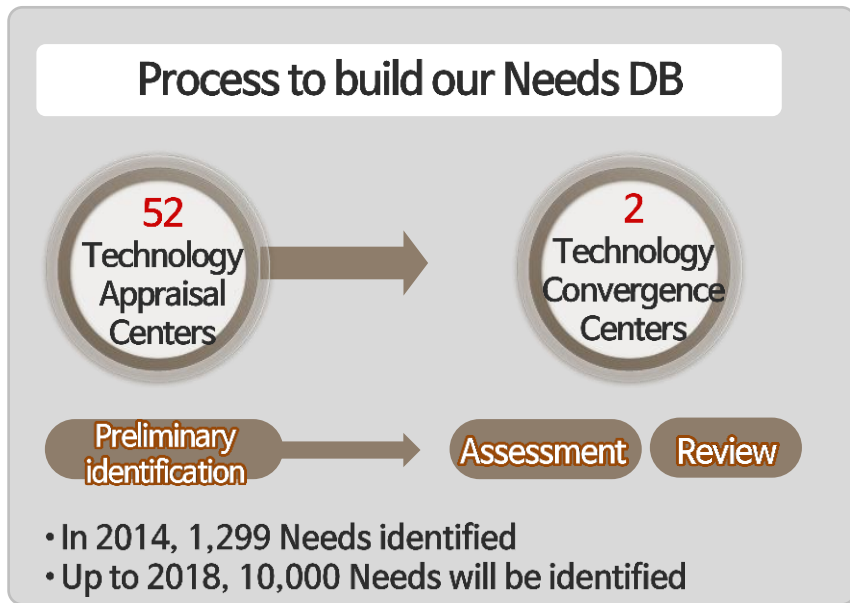
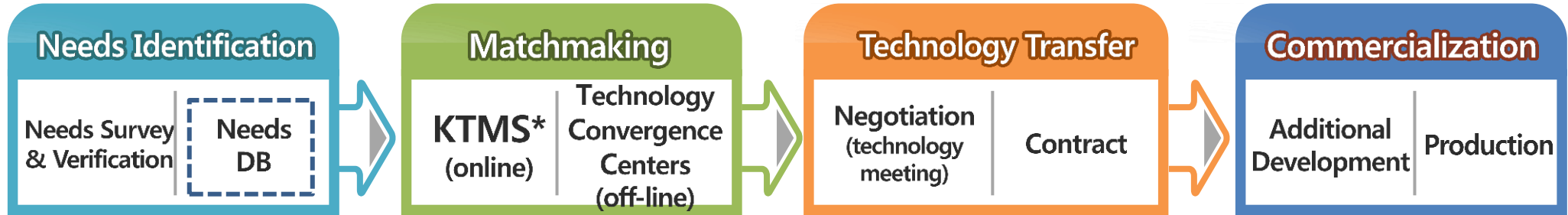
03 KTMS : online matchmaking system
* KTMS (KOTEC Technology Matching System)

04 Technology Convergence Centers

III. Technology Transfer

Technology Transfer Process

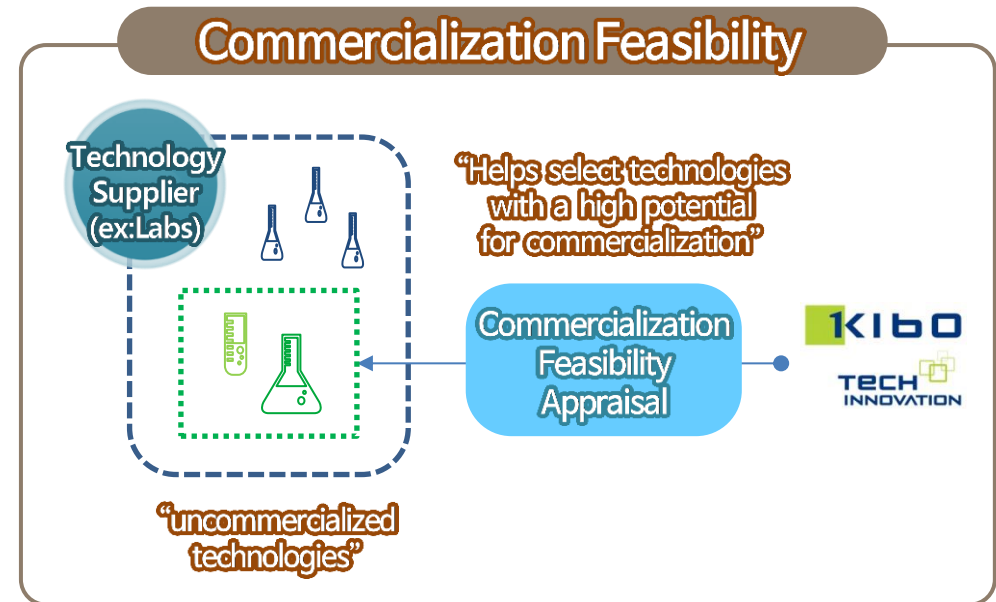
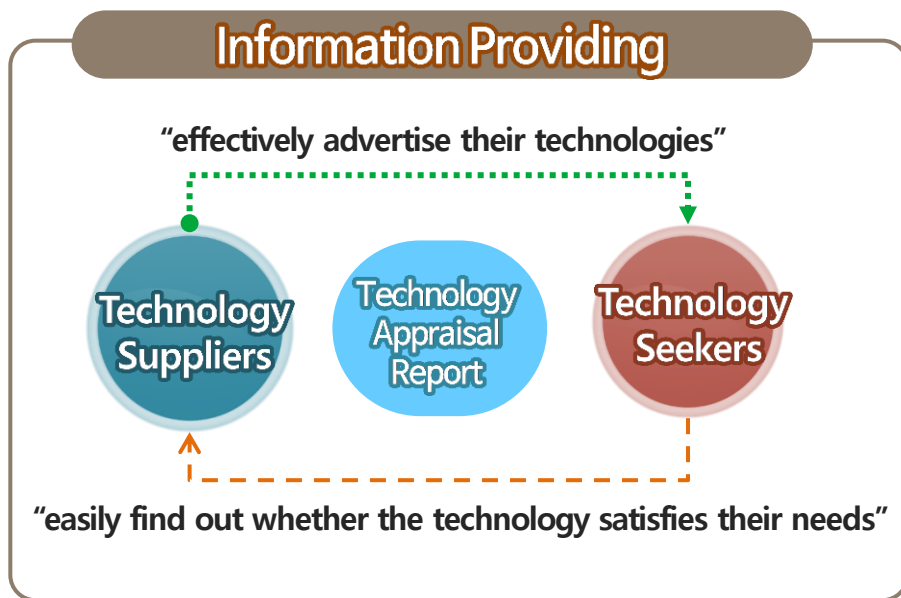
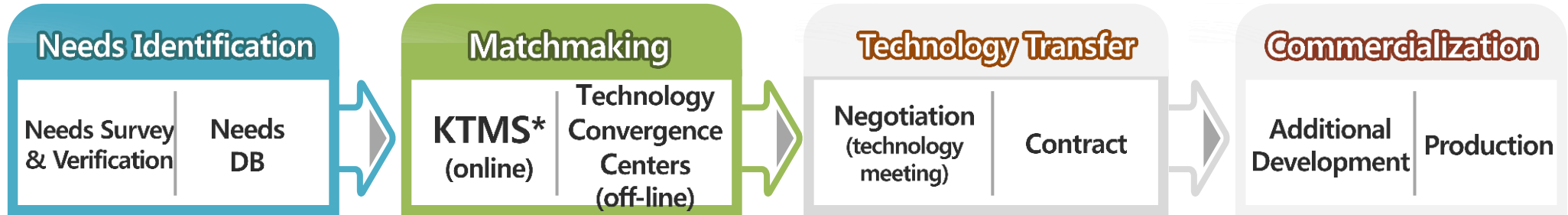
Technology Transfer Process



III. Technology Transfer

Application of Technology Appraisal

Needs identification ~ Matchmaking

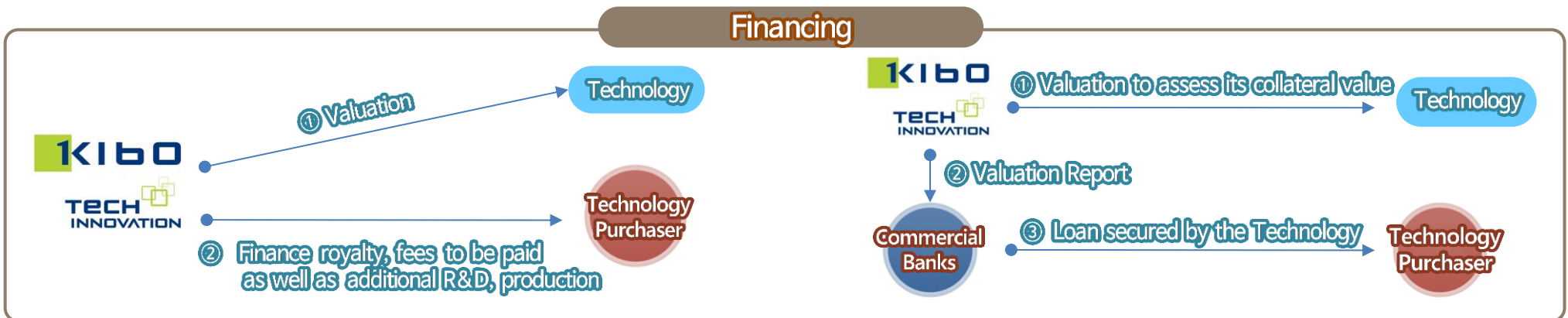
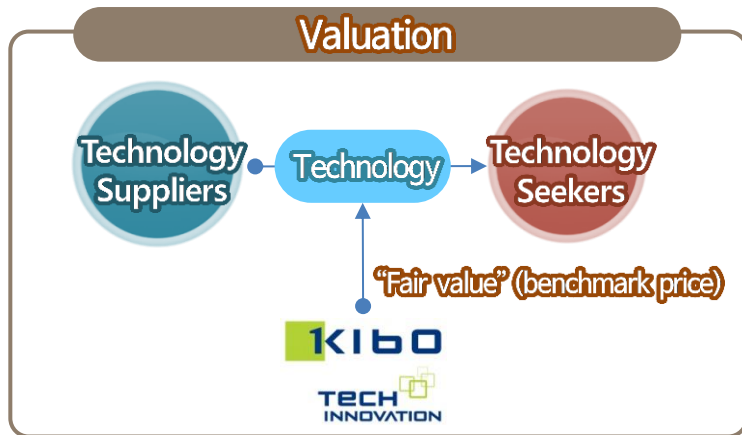
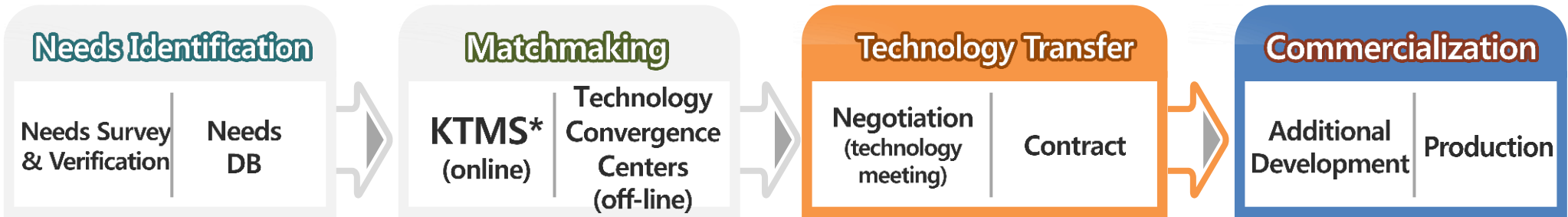


Increase the chances of successful matchmaking & technology transfer

III. Technology Transfer

Technology Transfer Process

○ Transfer ~ Commercialization



III. Technology Transfer

Summary

Technology Appraisal plays a pivotal role in Technology Transfer

- Technology Appraisal information **enhances understanding of the technology** to be transferred

: which can lead to **successful matchmaking** between seekers and providers

- **Facilitates technology transaction** by “**providing fair value** of the technology” for buyers and suppliers

: which is very important to create **mutually beneficial** technology transaction

- **Promote the access to Financing** by addressing “**information asymmetry**” and “**reducing risk**” of financiers

: increases the possibilities of **successful commercialization**

IV. Future Plan

○ Globalization

01 Continue to share our knowledge and expertise in technology appraisal and technology transfer

➔ Technology Appraisal System, Technology guarantee

02 Strengthen cooperation with WIPO-GREEN

➔ DB Sharing, Joint matchmaking event, Financing W/G

➔ Looking forward to collaborating with other WIPO-GREEN partners