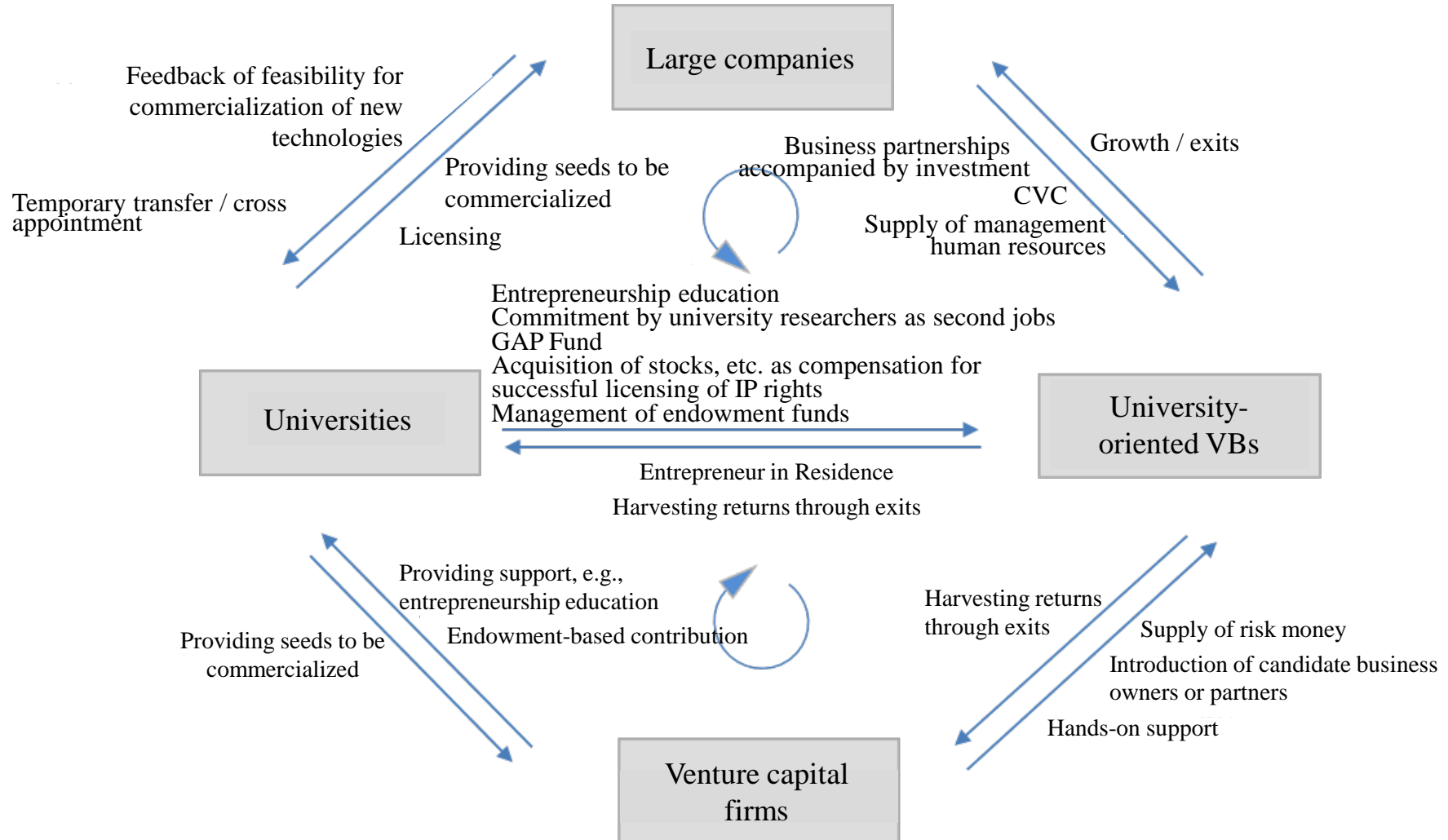


**Report by the Study Group for Ideal  
Approaches to University-Oriented  
Venture Businesses  
[Summary]**

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# Ecosystem for establishment and growth of university-oriented venture businesses (VBs)

- For establishment and growth of university-oriented VBs, universities, large companies and venture capital firms are expected to support such VBs based on their respective standpoints, and this support may contribute to creating a circular flow of profits, know-how and other benefits as an outcome of successful growth of such VBs.



# Challenges in and measures for establishment and growth of university-oriented VBs

- Successful establishment and growth of university-oriented VBs require encouraging universities, large companies, venture capital firms and university-oriented VBs to create a virtuous cycle of human resources, funds and intellectual property (IP) / knowledge.

## Challenges

## Measures

### Human resources

- Business owners of university-oriented VBs should secure competent human resources, not limited to stakeholders of universities.
- Rules for university teachers who concurrently serve as managers/workers at such VBs and operation of such rules are unclear.
- Human resources for supporting university-oriented VBs are insufficient.



- Entrepreneurship education,
- Entrepreneur in Residence (EIR),
- Encourage large companies, etc. to permit employees' side/second jobs,
- Develop human resources that provide advice on IP and capital strategies, etc.

### Funding

- Fund supply to steps between basic research and receiving of a proof of concept (PoC) is weak.
- Funds necessary for license contracts with and facility provision from university are insufficient.
- The number of entities that supply risk money is insufficient.
- Effective utilization of governmental support is needed before accessing private funds.



- Enhance the GAP Fund system,
- Encourage universities to gain equities of university-oriented VBs,
- Promote collaboration between venture capital firms and universities,
- Expand the endowment system; attract overseas funds,
- Encourage university-oriented VBs to further utilize public procurement, etc.

### IP and knowledge

- As the scope of patent rights is narrow and filing patent applications with overseas countries is neglected, university-oriented VBs cannot lead their technologies to commercialization.
- University-oriented VBs tend to automatically abandon their patent rights when the patent term expires.
- Definition of the authority for making use of data is unclear.



- Enhance the GAP Fund system to support university-oriented VBs in securing expenditures for patent acquisition,
- Introduce a scheme for early assessment of seeds by external human resources, e.g., venture capital firms,
- Develop human resources that provide advice on IP and capital strategies,
- Contract agreements under the Contract Guidelines on AI and Data Utilization, etc.

## Roles expected for universities and large companies; Ecosystem in regional areas

- Universities and large companies are expected to play strong roles in the establishment and growth of university-oriented VBs.
- Development of a system for securing human resources and collecting information is important for the establishment and growth of university-oriented VBs in regional areas.

### Roles expected for universities and large companies

#### Universities

- University management tailored to the establishment and growth of university-oriented VBs, e.g., setting social implementation of research achievements as a KPI
- Supporting VBs originating from their own universities in branding efforts through information conveyance, etc.
- Fostering and securing human resources that will play a key role in establishment and growth of university-oriented VBs
- Providing university-oriented VBs with university facilities, etc.
- Managing the entire processes from discovering new technologies to establishing university-oriented VBs

#### Large companies

- Promoting collaboration with university-oriented VBs by taking specific approaches such as items [i] to [iv] below:
  - [i] Serving as a procurement source for university-oriented VBs
  - [ii] Conducting joint R&D, etc. with university-oriented VBs
  - [iii] Investing in university-oriented VBs via corporate venture capital firms
  - [iv] Merging and acquiring university-oriented VBs
- Promoting permission of employees' side/second jobs at universities or university-oriented VBs

### Ecosystem for establishment and growth of university-oriented VBs in regional areas

#### Regional areas

- Constructing infrastructures that allow regional areas to make use of funds and information accumulated in cities
- Developing residential environments so as to secure human resources