**FEEDER-NET+ (Federated E-health Big Data for Evidence Renovation Network) in Korea**

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### Introduction

- The Federated E-Health Big Data for Evidence Renovation Network (FEEDER-NET) project was initiated on 2018 (for 3 years) with $10 million budget from the Ministry of Trade, Industry & Energy (MOTIE) of South Korea.
- On 2019, new projects, named FEEDER-NET+, for incorporating more hospitals and advancing/sophisticating the FEEDER-NET platform will start April 2019 for 4 years.

### FEEDER-NET+ Goals

- To build a CDM-based bio-health big data network
- To build a bio-health evidence sharing platform
- To foster collaborative research and encourage industry to develop business services
- Ultimately to create a sustainable bio-health big data ecosystem for research and industry

### FEEDER-NET+ Projects & Budgets

<table>
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<th>Project</th>
<th>Objective</th>
<th>Period</th>
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<th>Government department</th>
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| **FEEDER-NET (started 2018)** | CDM conversion for 41 hospitals
Developing FEEDER-NET coordinating platform
Developing PoC service   | '18-'20 | $10 million | Ministry of Industry           |
| **FEEDER-NET expansion & advancement** | Expansion of CDM data network
Advancement/sophistication of FEEDER-NET platform | '19-'22 | $10 million | Ministry of Industry           |
| **Enterprise service**        | 6 projects (2 start from Aug 2019)
Developing industry service  | '19-'22 | $7 million   | Ministry of Industry           |
| **Clinical research**         | 20 projects
Collaborative clinical research | '19-'21, '20-'22 | $7 million | Ministry of Health            |
| **Standardization**           | Developing CDM extension model
Mapping medical code
Building a de-identification guide | '19-'22 | $1.5 million | Ministry of Industry           |
| **Privacy**                   | Developing a privacy guide for CDM         | '19-'21 | $0.5 million | Ministry of Health            |

### FEEDER-NET+ Data Network

- 62 hospitals and data partners joined into the FEEDER-NET+ all over the country. (including 70% of tertiary hospitals)
- 10 hospitals’ EMRs were converted to CDM in 2018.
- We have bi-monthly data partner’s summit meeting since March 2017.

### FEEDER-NET Platform in Development

- The FEEDER-NET+ is based on the FEEDER-NET platform’s core engines, which consist of node (for in-hospital) and portal (for coordinating center).

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