Biosecurity Landscape in Japan

**Summary**

GOJ started capacity building for biodefense since the end of 1990’s and enhanced it after 9/11 Attack. Reinforcing public health biopreparedness and preventive measures (pathogen control) were followed by enhancement of R&D and networking for biosecurity as a key agenda under “Safe and Secure Society” initiative. Pandemic preparedness was significantly improved after 2009 with the Special Measures Act for crisis management. DURC in life science has been addressed through academic initiatives. Next challenge is a collaboration of public health sectors with security sectors.

**R&D for biodefense for “Safe and Secure Society”**

- 3rd National Science and Technology Basic Plan (FY2006~2010) set “Safest and Most Secure Society in the world” as R&D goal. “Biosecurity” became a key agenda
- Development of Biological Detection System
  - “Fukuda Stage” at motivated institutes

**DURC and Biosecurity**

- Preparations for biodefense and enhanced it after 9/11 Attack. Reinforcing public health addressed through academic initiatives. Next challenge is a collaboration of public health sectors with security sectors.

**Recognition of threat at biological attacks e.g. Aum Shinrikyo’s attempt**


- Pandemic Flu (2009)

**Emerging and Re-emerging Disease Preparedness and Response**


**National Security**

Civil Protection Act (2004) - NBC attack is included in the scenario of “Emergency Response Situation”

Terrorist Attack Preparedness Action Plan (2004) - called for early establishment of a pathogen control system

**Next Challenge**

Closer collaboration of public health sectors with intelligence sectors for risk assessment and with police departments for criminal investigation is expected.

**U.S.-Japan relations**

Next Generation of Biodefense Research - shared knowledge and networking for academic and enhanced it after 9/11 Attack. Reinforcing public health addressed through academic initiatives. Next challenge is a collaboration of public health sectors with security sectors.