The initiative of PRRS area regional control/elimination in Japan (P-JET: PRRS-Japan Elimination Team)

Satoshi Otake, Sachiko Arai, Tomohiro Furuichi, Makoto Furukawa, Yuiko Hayakawa, Keiko Ikeda, Sayoko Ishizeki, Hiroshi Iseki, Fumiko Koike, Yoshihiro Mizukami, Mali Miyashita, Shingo Nakatake, Makiko Notsute, Rika Kano, Toshihisa Shibuya, Hiromichi Ishikawa, Hiroshi Tsunemitsu

1Swine Extension & Consulting, Inc. 2Azabu University, 3Summit Veterinary Services, 4National Institute of Animal Health Japan, 5SMC, 6Notsute Swine Clinic, 7Toyoura Veterinary Clinic, 8Akabane Animal Clinic, 9Ideas Swine Clinic, 10Nippon Formula Feed Manufacturing Co., Ltd., 11Boehringer Ingelheim Vetmedica Japan, 12Merial Limited., 13Miyazaki Prefectural Economic Federation of Agricultural Cooperative, Section of Swine, 14Swine Disease Eradication Center, University of Minnesota

Background
• PRRS is one of the most economically significant diseases in the Japanese swine industry. The annual economical loss due to PRRS in Japan was reported as ¥ 28 billion ($ 373 million) 1
• To initiate PRRS area regional control/elimination in Japan, P-JET (PRRS-Japan Elimination Team) has been founded since July 2011.

Objectives
• To organize a working group that consists of swine practitioners, researchers, and industrial partners who focus on PRRS area regional control/elimination in Japan.
• To establish and provide a network, technical know-how, and educational support for pig producers and veterinarians who are active in their PRRS area regional control/elimination projects in Japan.
• To create and publish a hands-on manual of PRRS control/elimination, which will be tailored to the some of the specifics of the Japanese pig industry. The manual will be available for pig producers and veterinarians in Japan.

Demographics (update by Apr 2015)
• 10 regions in 8 prefectures (see Figure 1)
• Approximately 300 sites, 50,000 sows
• Type of production system: Farrow-to-grow (20%), Farrow-to-finish (80%)

Main Strategies
• Routine P-JET member meeting (periodically)
• Workshop for each project region and case
• Presentation at industrial and academic seminars
• Publication for industrial and academic journals
• Producing and providing technical/educational materials for pig producers and veterinarians

Achievements
• This is the first initiative of PRRS area regional control/elimination in the history of the Japanese swine industry.
• To date (Apr 2015), a total of 23 P-JET member meetings and 4 P-JET workshops have been completed.
• To date (Apr 2015), a number of seminars and publications have been made.
• P-JET herd classification has been established and is being widely used among pig producers and veterinarians in Japan.
• P-JET biosecurity educational brochure has been established and is being widely used among pig producers and veterinarians in Japan.
• P-JET biosecurity risk assessment tool has been established and its usage is already started.

Next Steps
• To hold workshops that are more technical-oriented, adapted specifically for each project region or case.
• To establish P-JET management recommendation manual.
• To establish P-JET sampling/testing manual.
• To support to complete a mapping in all the project regions.

References