

*The International Forum on Peaceful Use of Nuclear Energy,  
Nuclear Non-proliferation and Nuclear Security*

# KINAC/INSA activities and views

Nov. 29, 2016

Sung Soon Jang



# Korean Center of Excellence - INSA

## ■ Overview

<http://insa.kinac.re.kr>

▷ **INSA**: International Nuclear Nonproliferation and Security Academy

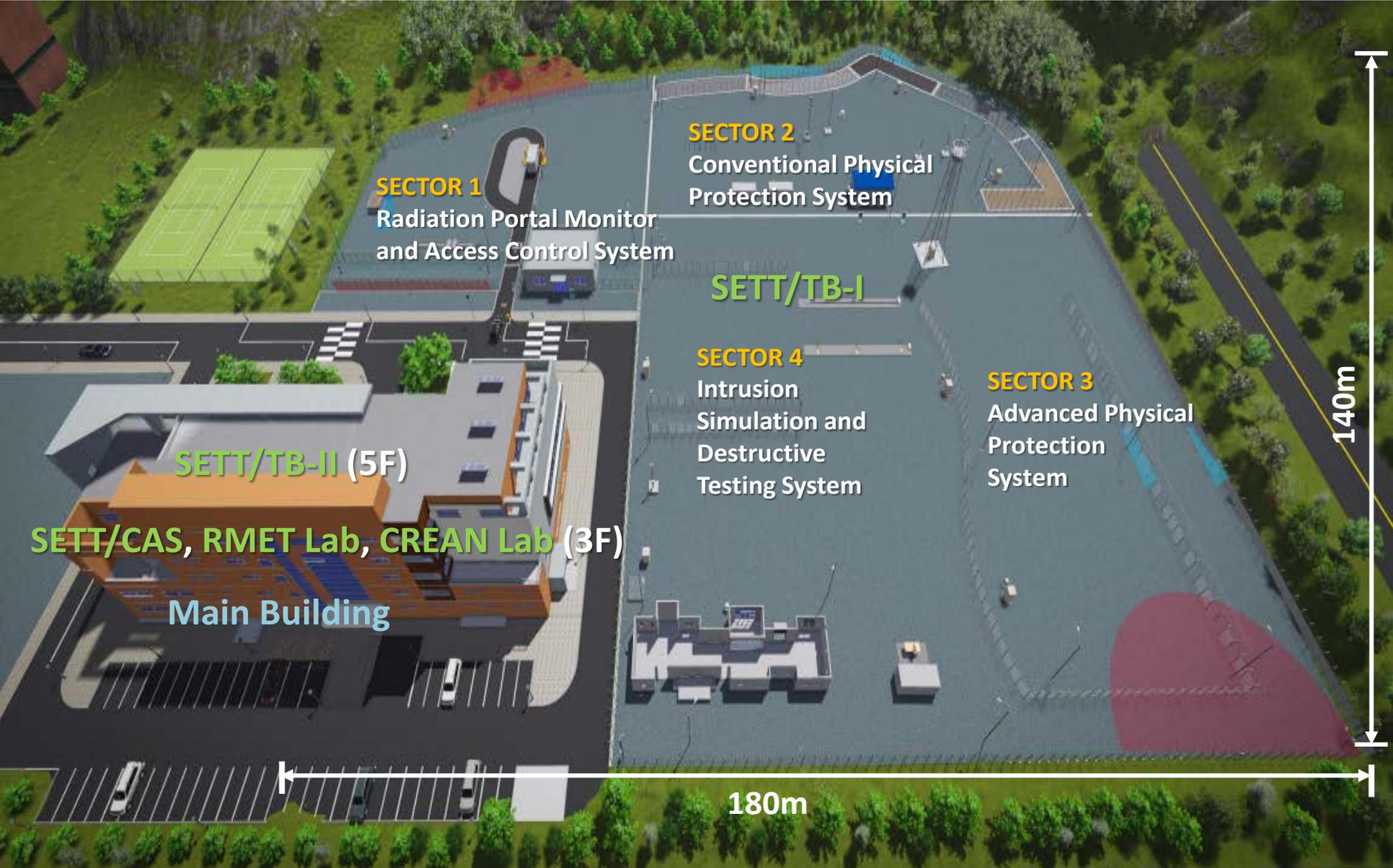
## ○ Background

- Initiated by a presidential pledge made during the **2010 Nuclear Security Summit** in order to provide international training in nuclear security
- Established in the **KINAC** in Feb. 2014
- Integrated with existing training capacities and activities of the KINAC



# Facility Layout

▶ **SETT**: Nuclear Security Research, Training and Test Facility



# International Training Program

## ▪ INSA International Training Course

- **Objectives:** To help nuclear newcomer countries to establish their own nuclear nonproliferation and security regime
- **Type of Courses**

Course	Type	Timing (Duration)	Remarks
<b>Nuclear Security Course</b> (Introductory / Specialized)	<b>Invitation</b>	Every March or April	• Less than 30 International Trainees per Course
<b>Nuclear Safeguards Course</b> (Introductory / Specialized)		Every June	
<b>Strategic Trade Control Course</b> (Introductory / Specialized)		Every Nov.	

※ Specialized Course : Intermediate or Advanced

# International Training Program - Curriculum

## ▪ INSA ITC (developed so far)

### • Nuclear Security

- Nuclear Security Infrastructure Development (Introductory, 5 days)
- Physical Protection System Elements (Intermediate, 5 days)

### • Nuclear Safeguards

- Fundamentals of Nuclear Safeguards (Introductory, 5 days)
- Provision of Safeguards Information to the IAEA (Intermediate, 5 days)

### • Strategic Trade Controls

- Introduction to Strategic Trade Controls (Introductory, 5 days)
- Licensing Systems for Strategic Trade Controls (Intermediate, 5 days)

# International Training Program

## ■ INSA-IAEA RTC/ITC in 2015 and 2016

- June 29~July 3, 2015: IAEA RTC on Protection and Prevention Measures against Sabotage
- July 21~24, 2015: IAEA ITC on Nuclear Forensics
- Aug. 31~Sept. 4, 2015: IAEA Train the Trainer Course on Physical Protection of NM and NFs
- Oct. 26~Nov. 6, 2015: IAEA RTC on State Systems of Accounting for and Control of NM for Newcomer States
- July 18~22, 2016: IAEA RTC on Regulatory Authorization and Inspection of Physical Protection of NRs
- Aug. 22~26, 2016: IAEA RTC on Computer Security for Industrial Control Systems at NFs
- Sept. 26~Oct. 7, 2016: IAEA ITC on State Systems of Accounting for and Control of NM for Newcomer States
- ※ Dec. 13~16, 2016: IAEA Nuclear Security HRD WS

# International Training Program – Participants

## ■ Participants

- Total 451(299) from 28 countries to 29 training events (as of April 2016, since 2013)

Country	# of Trainees
Nepal	2
Taiwan	3(3)
Russia	1
Malaysia	35(19)
Mongolia	19(19)
Myanmar	23(17)
Bangladesh	9(8)
Viet Nam	31(20)
Saudi Arabia	5(4)
Sri Lanka	3

Country	# of Trainees
Azerbaijan	3
Algeria	7(7)
Australia	1
Jordan	19(15)
Iran	7
Egypt	11(11)
India	8(1)
Indonesia	37(24)
Japan	5(3)
China	7

Country	# of Trainees
Cambodia	2
Thailand	18(14)
Turkey	1(1)
Pakistan	6
Philippines	15(11)
ROK	156(113)
UAE	16(9)
USA	1

※ (): INSA ITC+TTT+DR

# Bilateral Cooperation

## ▪ **ROK-US Permanent Coordinating Group (PCG)**

- ROK-US Technical Cooperation on Nuclear Nonproliferation, Safeguards, Security and Export Control
- US: DOE/NNSA and National Laboratories
- ROK: NSSC and KINAC

## ○ **Activities**

- Action Sheet PP09: Cooperation on Development of Nuclear Security Training at Korea's INSA
- Action Sheet 42: Cooperation on Development of Safeguards Training at Korea's INSA
- Action Sheet EC01: Cooperation on Export Control Training Activities
- Action Sheet PP12: Cooperation on Development of Cyber Security Training at Korea's INSA

# Trilateral Cooperation

## ■ **Cooperation among Asia Regional Nuclear Security CoEs (since 2012)**

- ROK: International Nuclear Nonproliferation and Security Academy (INSA), KINAC
- China: State Nuclear Security Technology Center (SNSTC)
- Japan: Integrated Support Center for Nuclear Nonproliferation and Nuclear Security (ISCN), JAEA

## ○ **Activities**

- Information Exchange: Regular Meetings with IAEA (INSA, SNSTC, ISCN, IAEA), Sharing Yearly Training Plans (INSA – ISCN)
- Sharing Good Practices: Regular Meetings with IAEA, Exchanging Observers for ITC (INSA - ISCN)
- Sharing Resources: Exchanging Lecturers for ITC (INSA → ISCN)

# KINAC/INSA in Post-Nuclear Security Summit

- **The CoE networks will take more important roles to implement summit's commitments**
  - NSSC network
  - Asian Regional Nuclear Security COEs
  
- **INSA needs to enhance its capabilities**
  - Competent instructors
  - Development of security technologies using Security Training and Test (SETT) facility
  
- **INSA may seek other momentum outside of nuclear sector**

# Thank You

Sung Soon Jang  
[ssjang@kinac.re.kr](mailto:ssjang@kinac.re.kr)/+82-42-860-9727

