



Current Activities on Nuclear Safety Culture in Korea

**May 27, 2008
Marseille, France**

Chaewoon Oh

Korea Institute of Nuclear Safety

Contents

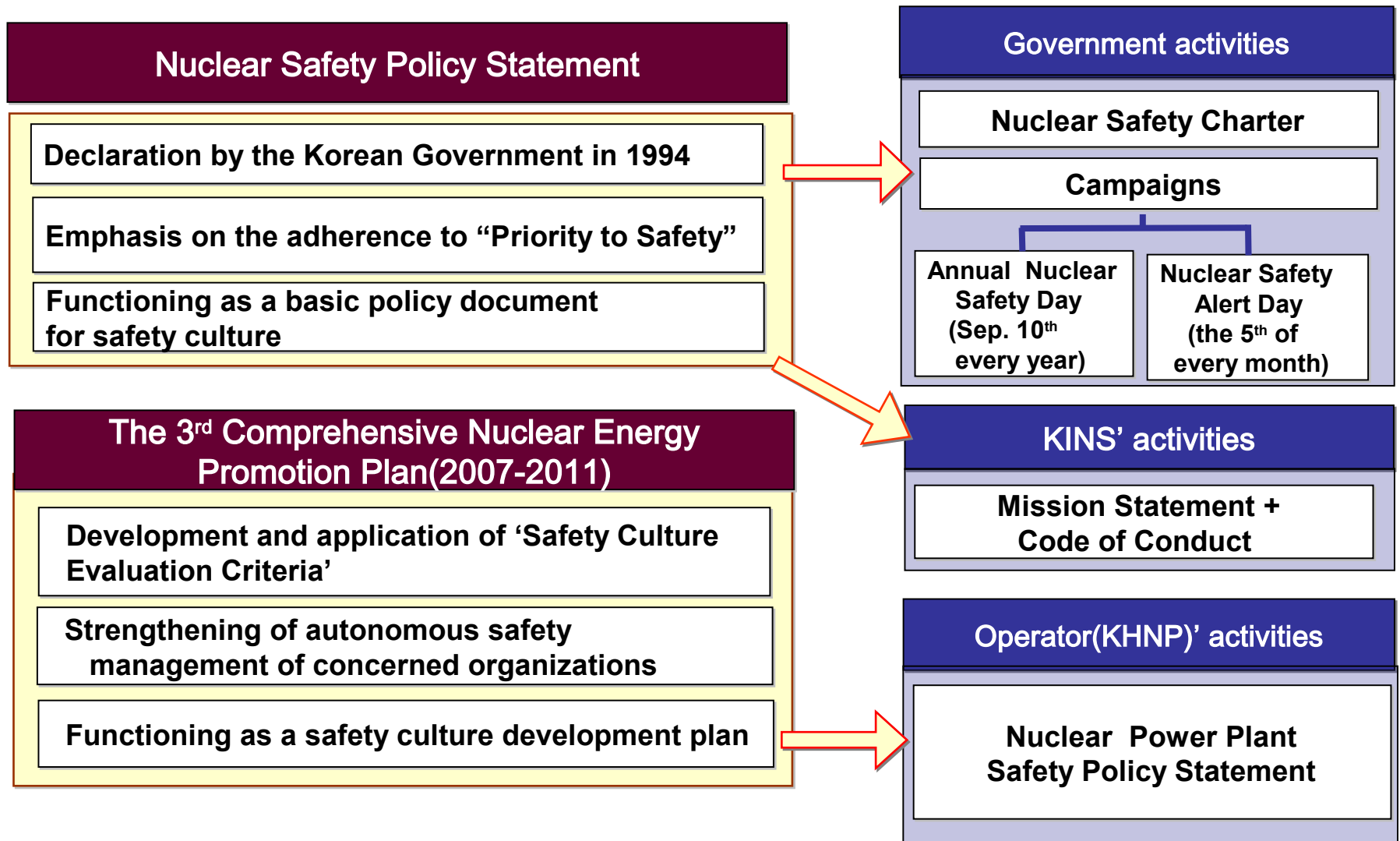
I. Structure for Safety Culture in Korea

II. Activities for Safety Culture

- ***II-1. Assessment Tool Development***
- ***II-2. Open Communication***
- ***II-3. Education & Training***
- ***II-4. Safety Training Programs of KINS***

III. Conclusion

I. Structure for Safety Culture in Korea



II-1. Activities for Safety Culture: **Assessment Tool Development**

Assessment Tool Development

Regulatory Expert Org (KINS)

Safety Culture Questionnaire and Checklist

- Requested by MOST to develop safety culture assessment procedures reflecting Korean situation in 1995 – 1997
- Based on an INSAG-4 report and ASCOT Guidelines of IAEA
- Special inspection on safety culture at four NPPs in May 1997 was carried out. 7
 - No direct intervention to operator's safety culture

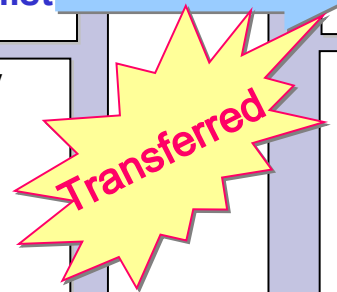
Encouraging self-assessment of operating organization

Operating Org (KHNP)

Safety Culture Performance Indicator

- Based on a research on the improvement of safety culture, performed from July 2004 to August 2005
- Utilized to evaluate safety consciousness of employees in NPPs
- Evaluation results, utilized in operational management and training programs for new and current employees

Functioning as a self-assessment tool



II-2. Activities for safety culture: Open Communication

KINS

Nuclear Safety Technology Information Meeting

- Annual Meeting, held since 1996
- Objective
 - To share up-to-date information on nuclear safety and regulations
 - To discuss nuclear safety issues for better resolutions
 - To communicate between regulatory organizations and industries

Plus,
Safety
Culture
Workshop
&
Conference



KHNP

Nuclear Safety Symposium

- Annual Meeting, held since 2002
- Participants: industries, universities, laboratories from domestic and abroad



II-3. Activities for Safety Culture: Education & Training

KINS

International Nuclear Safety School within KINS

- Education & Training of regulatory staff
- Socio-drama (Role Playing)
 - In participation of KINS, industries, residents nearby NPPs
 - Safety Culture Class to new employees
- Nuclear Safety Culture Basic Course
 - Lecturer: KINS SC experts
 - Trainees: Regulatory staff and operators
 - Subjects: SC concept & model, global trends, accident example analysis, evaluation, ways to improve nuclear SC
 - 2007: 1 course in October
 - 2008: 4 times of training (1 at KINS, 1 at KAERI, 2 at NPPs)
 - Target number for 2008: 350 trainees

KHNP

Nuclear Power Education Institute under KHNP

- Education & Training of NPP operators
- Special lecture on Safety Culture
 - Lecturer: veteran nuclear experts and safety culture specialists
 - Trainees: employees
 - Subject: safety culture work ethics, safety consciousness, analyses on practices affecting safety operations of nuclear installations



II-4. Activities for Safety Culture: **Safety Training Programs**

International Nuclear Safety School at KINS

- **Established in January 2008**
- **Main training programs(TP)**
 - **Regulatory Competency TP**
 - **Radiation Protection & Emergency Preparedness TP**
 - **Commissioned & Functional TP**
 - **Community Partner TP**
 - **International TP**



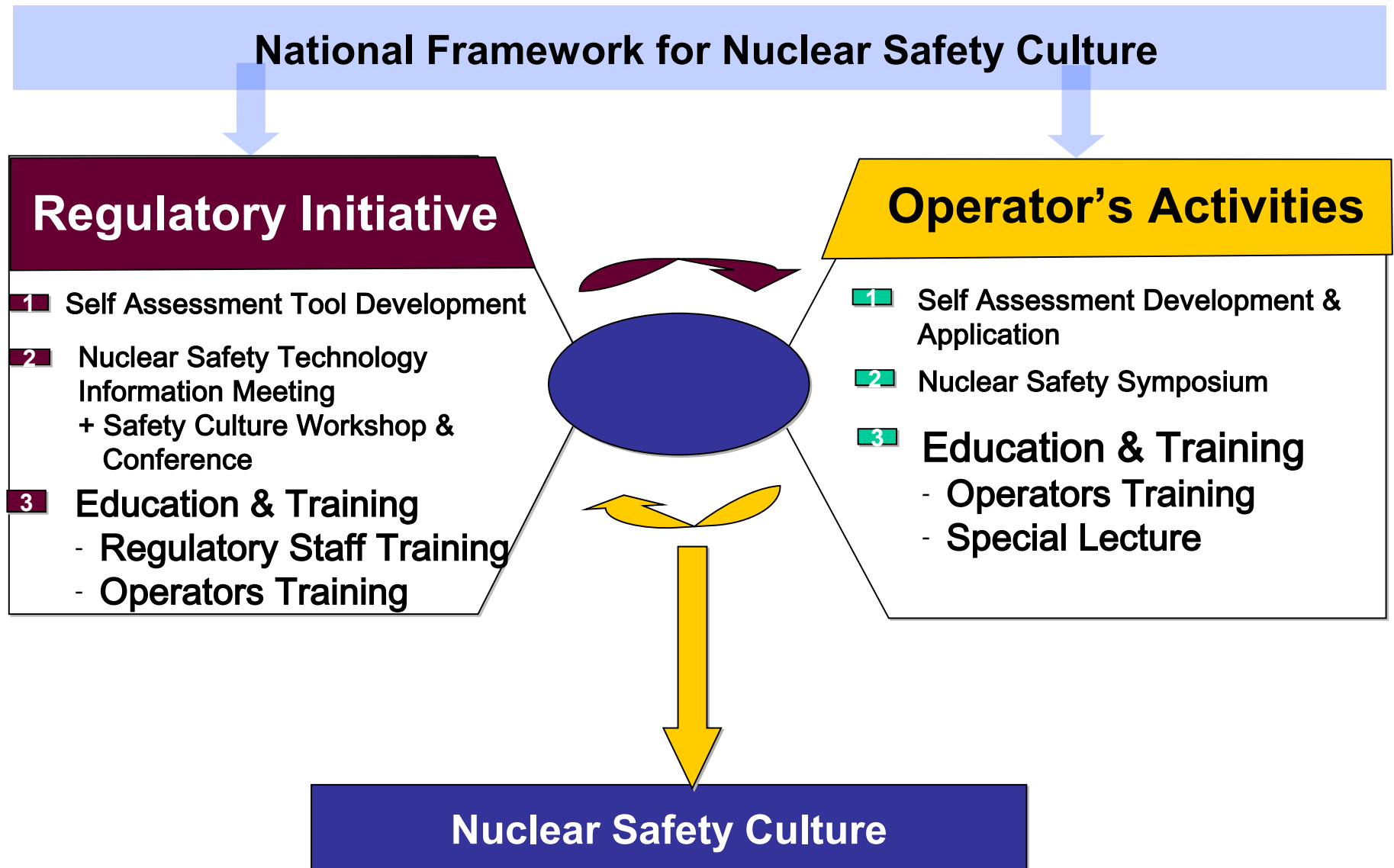
Lecture & Conference Room



Other Facilities



III. Conclusion



Thank you very much for
your attention~★



mosaic@kins.re.kr