





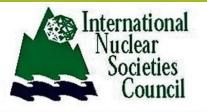
### Dr. Tracy, Tsai-Yueh Luo

- Board member in International Nuclear Societies Council
- Taiwan Nuclear Safety Commission Representative in Washington DC
- Past President of WiN-Taiwan

# Outline

## • Gender Equality in Nuclear Field

- International Nuclear Societies Council
- Nuclear Safety Commission at Taiwan
- Women in Executing the Emergency Preparedness and Response at NPP



## International Nuclear Societies Council (INSC)

### Found on November 11, 1990.

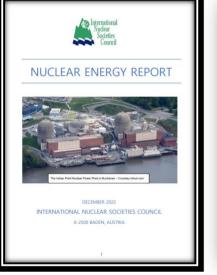
- 40 Member Societies represent more than 100,000 nuclear professionals.
- To act as a global Non-Governmental Organization in Nuclear Matters of international nature.
- To represent the views and positions of professionals and workers in the nuclear field.
- To value the work and achievements of the nuclear community.



Members divided into 5 Regions: Asia Pacific, Europe, Latin America, North America, At-Large

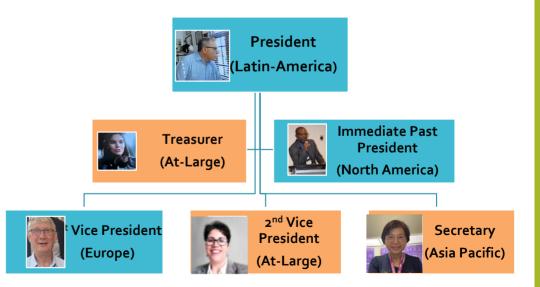


# Gender equality and global service equality at INSC





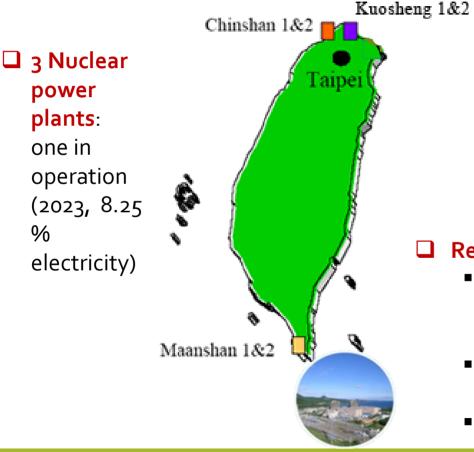
### 2024 Executive Committee



Nuclear Energy Report 2022 2023 Global Award (Dr. Sama Bilbao y Leon)



# **Nuclear Application in Taiwan**



### Medical Application :

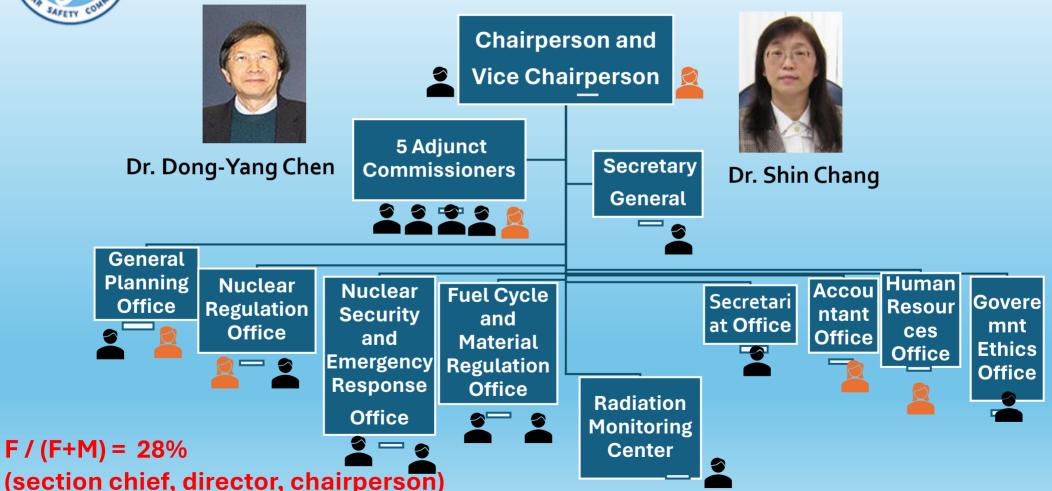
- High-Intensity Medical Radiation
  Facilities : 4 operation , 2 under review
- **13 cyclotrons** dedicated to radiopharmaceutical production. (PET, PET/CT/MRI, SPECT/CT....)
- Boron Neutron Capture Therapy: Research Reactor

### Research Application:

- Radiation sterilization services: healthcare, laboratory, pharmaceutical, food, packaging, cosmetic, and related industries.
- Industrial radiography (IR): assessing material integrity and construction processes
- New Radiopharmaceutical Development



# **Nuclear Safety Commission at Taiwan**





## "STEM vs Gender Equality"

Workshop themed "STEM vs Gender Equality" jointly organized with the **National Taiwan University** of Arts and Nuclear Safety Commission.







## 2 Webinars held, themed:

## ✓ "AI, Mind & Brain"

 "Exploring the Underpinnings of Cultural Artifacts: Non-destructive Applications and Advancements of Radiological Technology in the World of Art"





由范民國核能學會播升委員會



國立陽明交通大學 生物科技學系/腦科學研究所

黃植懋





#### TAIWAN

# Outline

## Gender Equality in Nuclear Field

- International Nuclear Society Council
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• Women in Executing the Emergency Preparedness and Response at NPP

# THE RELY COMP

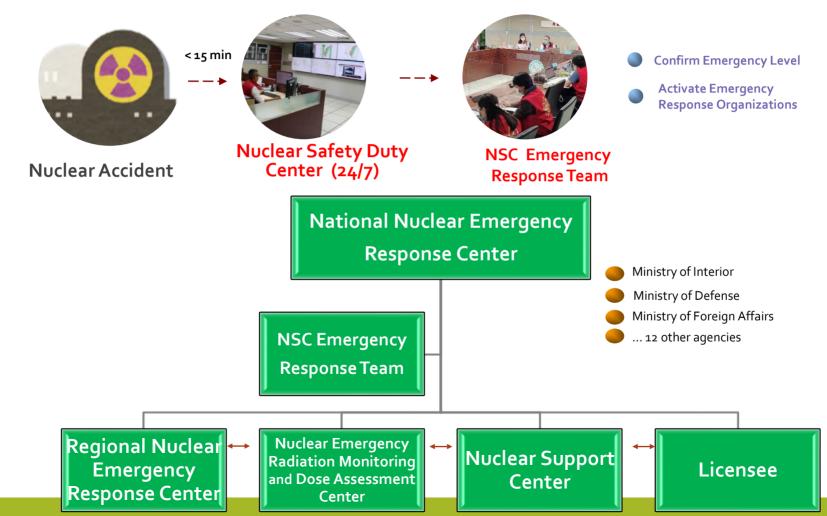
### Executing the Emergency Preparedness and Response at NPP

According to Nuclear Emergency Response Act and its Enforcement Rules, a Nuclear Emergency Exercise shall be conducted periodically in one of the Emergency Preparation Zones.

			Kuosheng 1&2
Plant	Capacity/ Type	License Expiration Date	Taipei
Chinshan 1	1,804 MWt/unit	Unit 1:2018.12.05	
	GE BWR4 X 2	Unit 2:2019.07.15	
Kuosheng	2,943 MWt/unit	Unit 1:2021.12.27	nmissioning
	GE BWR6 X2	Unit 2:2023.03.14	
Maanshan <sup>2022</sup>	2,822 MWt/unit	Unit 1:2024.07.27	
	WH PWR X2	Unit 2:2025.05.17	
			Maanshan 1&2



## **Nuclear Emergency Response Mechanism**

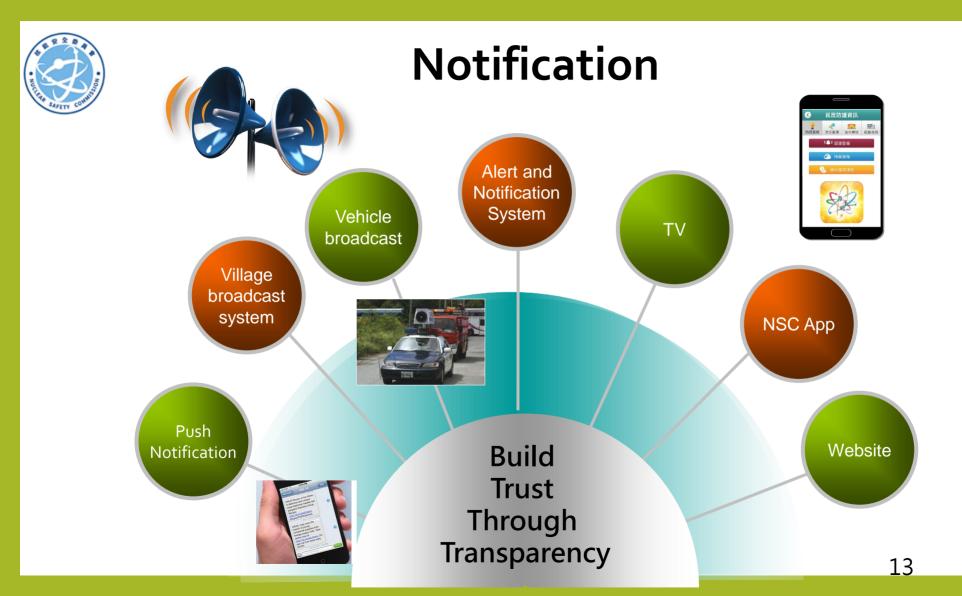


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Area	Emergency Planning Zone
Notification	Alert and Notification System, phone messages and TV etc.
Monitoring	Radiation Monitoring Stations
Public Outread	Home visit project, Information material distribution,
	Science Exhibition, Exercise Attendance, etc.

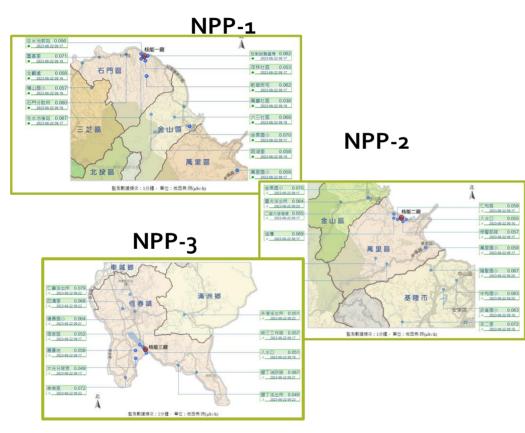






# **Radiation Monitoring Stations**

### (1) Emergency Preparation Zones



### (2) Nationwide





# **Increasing Public Awareness**



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The AEC APP compiles

information on nationwide environmental radiation reading and protective actions during a nuclear accident. Please feel free to download and make use of it.

◎ 行政党员子能委員會 二

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### Annual Calendar

### Pamphlet

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# **Nuclear Emergency Exercise**

According to Nuclear Emergency Response Act and Enforcement Rules, we need to conduct exercise periodically in one of the EPZs.

Exercises are used to evaluate emergency response mechanisms, and ensure that public protection measures can be effectively implemented.

Emergency exercises have been conducted in mock scenario, on-scene and real-life since 2013.

### **International Observation Program**





2019 25 guests



2018 23 guests

2023 30 guests













## Women in Executing the Emergency Preparedness and Response at NPP



Section chief of Emergency and Preparedness Office at NSC :

Ms. Amy Chen



• Women can play more important roles in nuclear field.



# THANKYOU FORYOUR ATTENTION!!



#### **U.S. Nuclear Regulatory Commission**

