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Activities for capacity building
Ms. María Eugenia Rettori, UNICRI

International Forum on Peaceful Use of Nuclear Energy,
Nuclear Non-Proliferation and Nuclear Security
Tokyo, Japan, 29 November 2016



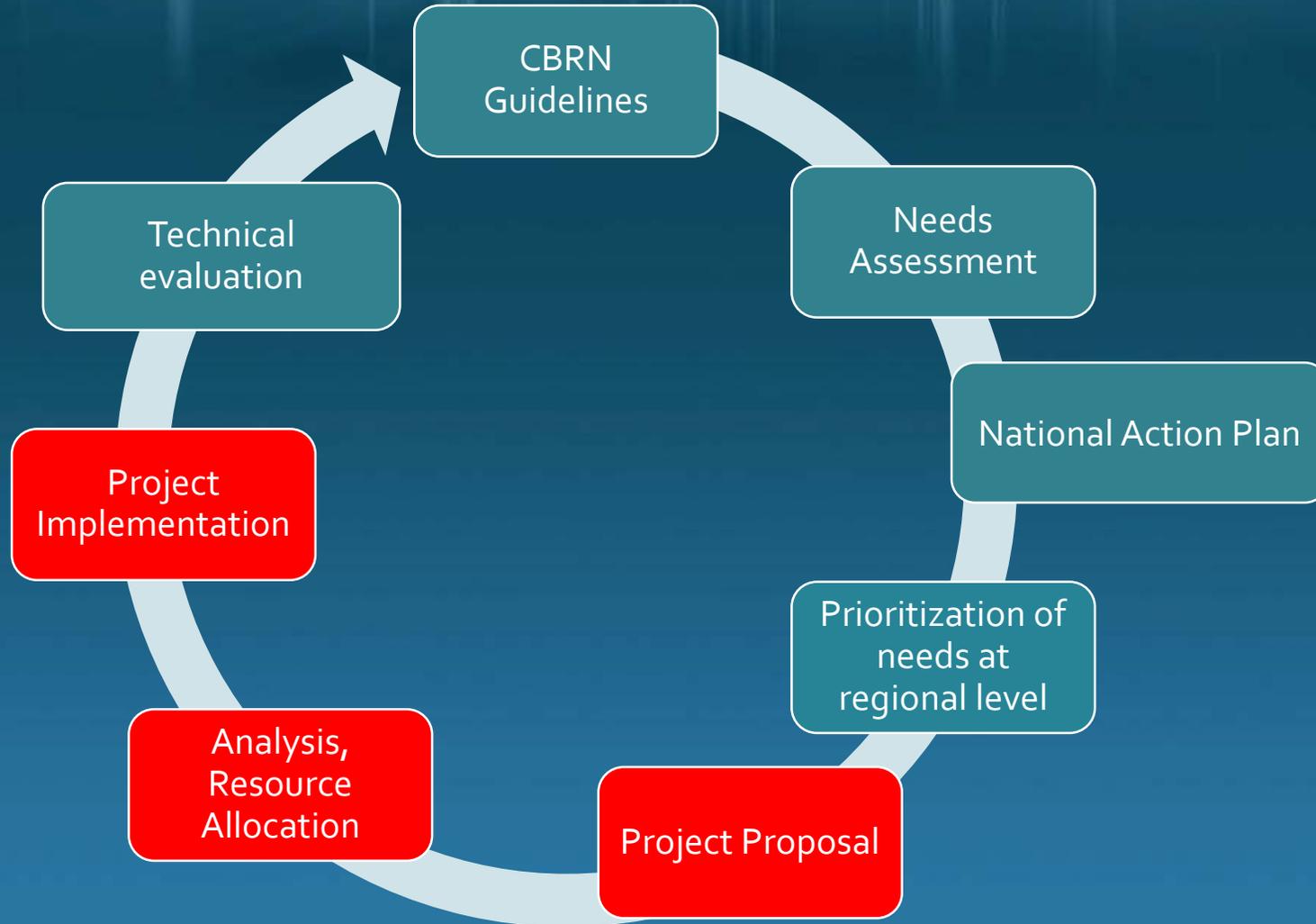


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Cycle of activities



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National Activities

Regional Activities





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Capacity building through



- ✓ Awareness raising
- ✓ Specialised training, practical exercise, and e-learning courses
- ✓ Standards, guidelines, procedures, and best practices
- ✓ National plans, legislation, regulation, and legal frameworks
- ✓ International and regional networks
- ✓ Databases for information management
- ✓ Platforms for information sharing





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Some project areas



- ✓ Protection of CBRN material/facilities
- ✓ Public and infrastructure protection
- ✓ Denying support for CBRN misuse and terrorism
- ✓ Border control/border monitoring
- ✓ Export control
- ✓ Transit and trans-shipment control
- ✓ Safeguarding CBRN information diffusion
- ✓ Bio-safety/bio-security
- ✓ Illicit trafficking
- ✓ CBRN waste management
- ✓ First response
- ✓ Public health impact mitigation
- ✓ Post incident recovery
- ✓ Investigation and prosecution
- ✓ Crisis response





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Overview of projects



- 100 million euro
- 60 projects world wide
- 38 projects with RN component
- Nuclear Forensics, Nuclear safety, security and safeguards, Critical infrastructure





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Overview of RN projects



- ✓ Centre of Excellence on Nuclear Forensics
- ✓ Nuclear Safety, Security, and Safeguards Management Master's Programme
- ✓ Supporting development of an integrated national security system for nuclear and radioactive materials
- ✓ Development of a methodology for RN materials detection, management and protection of the public

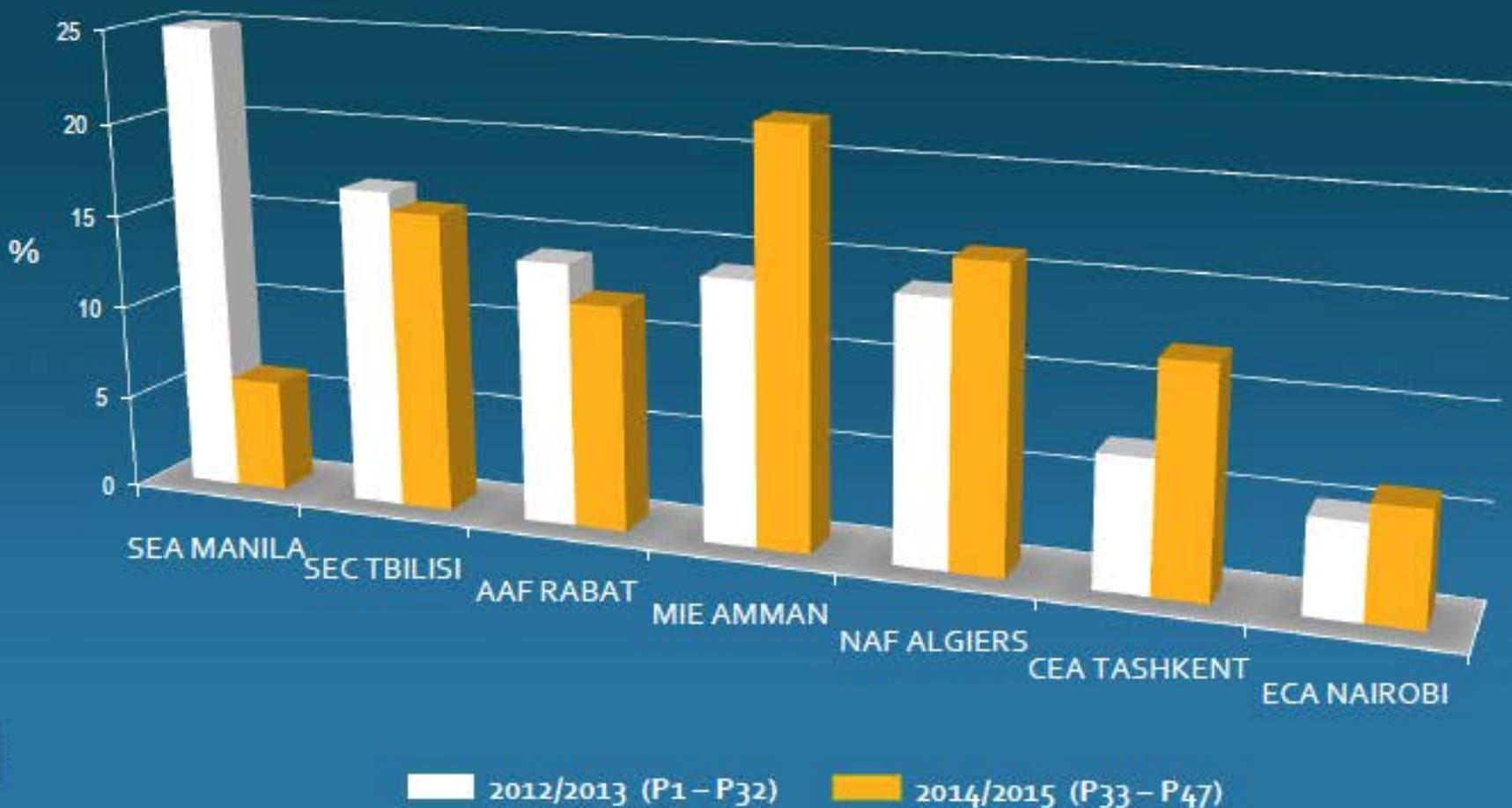


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Distribution of projects per region





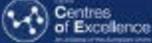
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Project 10 – E-learning course



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Welcome to the
Project 10 of the EU CBRN CoE Initiative
CBRN Courseware



CHEMICAL WEAPONS

MODULE 1

Chemical Weapons:
What is a chemical weapon? How are CW used? What are the 5 categories of chemical weapons agents?

[Read more >](#)

NUCLEAR & RADIOLOGICAL WEAPONS

MODULE 2

Nuclear and Radiological Weapons:
Basic concepts, materials used, how they are weaponized and risks and consequences of using these weapons.

[Read more >](#)

BIOHAZARDS NATURAL & MAN-MADE

MODULE 3

Biohazards: Natural and Man-Made:

[Read more >](#)

BIOSECURITY AND BIOSAFETY

MODULE 4

Biosecurity and Biosafety:

[Read more >](#)

EXPORT CONTROLS AND CBRN

MODULE 5

Export Controls and CBRN:
The concept of dual-use and trade control regimes for controlling illicit trade related to WMD proliferation.

[Read more >](#)

CBRN RISK ASSESSMENT AND MANAGEMENT

MODULE 6

CBRN Risk Assessment and Management:

[Read more >](#)

CBRN INCIDENT SIMULATION

MODULE 7

CBRN Incident Simulation:
A guided role-play in which you must prevent a CBRN incident in a fictional country.

[Read more >](#)





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Project 19 – Information Security Management Systems Series



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INFORMATION SECURITY BEST PRACTICES FOR CBRN FACILITIES

Prepared by the Pacific Northwest National Laboratory within the framework of Project 19 of the European Union Chemical Biological Radiological and Nuclear Risk Mitigation Centres of Excellence Initiative (EU CBRN CoE) entitled:

"Development of procedures and guidelines to create and improve secure information management systems and data exchange mechanisms for CBRN materials under regulatory control"



With the support of



Action implemented by



Pacific Northwest National Laboratory
Richland, Washington 99352 USA





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Project 28 – Security system for RN materials



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- ✓ Review law and regulations
- ✓ Recommendations on management, storage and disposal
- ✓ Inventories
- ✓ National Response Plans





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Project 29 – Masters Programme



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Project 30 – Nuclear Forensics



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The Scanning Electron Microscope delivered to Thai experts under a CoE project.





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<http://www.cbrn-coe.eu/>



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Thank you!



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