



**IAEA**

*60 Years*

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# Capacity Building Centres on Emergency Preparedness and Response (CBC)-Concept and current developments

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# Content

- **CBC concept**
- Roles under the CBC
- Eligibility criteria
- Established CBC-EPR and activities to date
- Future plans and way forward

# What is a CBC?

A Capacity Building Centre (CBC) is an organization or group of organizations with capabilities to implement:

- Education
- Training
- Information sharing activities



# Why to designate CBCs?

Recognize existing strengths of Member States



Build on them to more efficiently and effectively channel and deliver EPR knowledge and best practices



Further enhance the expertise of CBCs towards a sustainable development of capabilities regionally and internationally

# What does a CBC do?

Serves as a **focal point** for:

- Education, training and knowledge transfer for activities in the area of Emergency Preparedness and Response (EPR)
- Networking activities on EPR considering existing arrangements in the regions



# What does a CBC do? (2)

Specializes in one or more  
**Areas of Specialization** (AOS)  
related to EPR

- Preparedness and response to nuclear emergencies
- Preparedness and response to radiological emergencies
- Medical management of radiation exposures and dose assessment



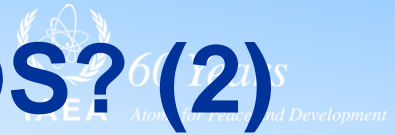
# What topics will cover every AOS?



For the different AOS the capacity building activities could include inter alia the following topics:

- Developing a national capability on EPR
- EPR at nuclear facilities
- EPR for a State embarking on a nuclear power programme
- Preparation, conduct and evaluation of exercises to test preparedness for a nuclear or radiological emergency

# What topics will cover every AOS? (2)



- First response to radiological emergencies
- Communication with the public in a nuclear or radiological emergency
- Radiation monitoring
- Assessment and prognosis in radiological emergencies
- Assessment and prognosis in nuclear emergencies



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# Role of the CBC

- Assist the IAEA to define capacity building needs in its AOS;
- Identify regularly opportunities for improvement regionally/internationally in its AOS;
- Customize in coordination with IAEA capacity building (e.g. training) activities based on IAEA standard training material (when available)
- Identify regional and/or international needs and best practices (if applicable);
- Assist the IAEA in the development and management of training programmes in its AOS, consistent with other CBCs of the same AOS;
- Prepare, host and conduct training activities; and
- Actively promote continuous improvements at the national and regional levels.

# Role of the IAEA under the CBC

- Provide standard and working training material and tools and consider the feedback from CBC when reviewing these material and tools.
- Work with the CBC to help identify capacity building needs in the AOS (regionally and/or internationally);
- Assist, as appropriate, in the preparation and conduct of capacity building activities;
- Assist in identifying, providing and recruiting experts for the delivery of training and education programmes; and
- Monitor that the conditions originally established for the CBC remain as expected to accomplish the objectives of this CBC.

# Role of the IAEA under the CBC (2)

- Provide relevant information about activities to be implemented under TC projects to the designated CBCs and to consider the CBCs' AOS in the implementation of activities under these projects
- Support networking activities considering results from related activities (e.g. review missions and self-assessments)
- Promote awareness among regional networks and international organizations about capabilities of designated CBCs

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# How CBCs will be designated?

- Recognizing the differences between CBCs
- Working with countries expressing interest on the CBC concept
- Personalizing practical arrangements based on specificities of every CBC



# Financial arrangements

- The CBC would need resources to implement capacity building activities by using its own:
  - Experts
  - Equipment
  - Infrastructure
  - Logistics
- The IAEA may provide some financial assistance:
  - Additional lecturers
  - Support for participation of international trainees
  - Supply of training material

# Eligibility criteria for the host country

- Being Party of both the Convention on Assistance in Case of a Nuclear Accident or Radiological Emergency and the Convention on Early Notification of a Nuclear Accident
  - The host country would need to meet international requirements in EPR, as verified through
    - An EPREV mission implemented before the expression of interest, but not more than five years before;
- Or
- A thorough self-assessment against IAEA requirements on EPR.



# Eligibility criteria for a CBC

- Demonstrate expertise and leadership, in the AOS considered
- Have resources (lecturers, equipment, adequate facilities and infrastructure) to be able to implement training activities, including practical/working sessions or access to these resources from partnership organizations

# Eligibility criteria for a RANET-CBC

- Member of the National Assistance Capabilities (NAC) registered in RANET in the relevant AOS; and
- Demonstrated history (minimum 5 years) of international capacity building in cooperation with the IAEA or it has demonstrated its excellence in the AOS through the provision of assistance by its NAC

# Formal arrangements



ADD LOGO

## PRACTICAL ARRANGEMENTS

between

THE INTERNATIONAL ATOMIC ENERGY AGENCY

and

[ADD COORDINATING ORGANIZATION AND COUNTRY]

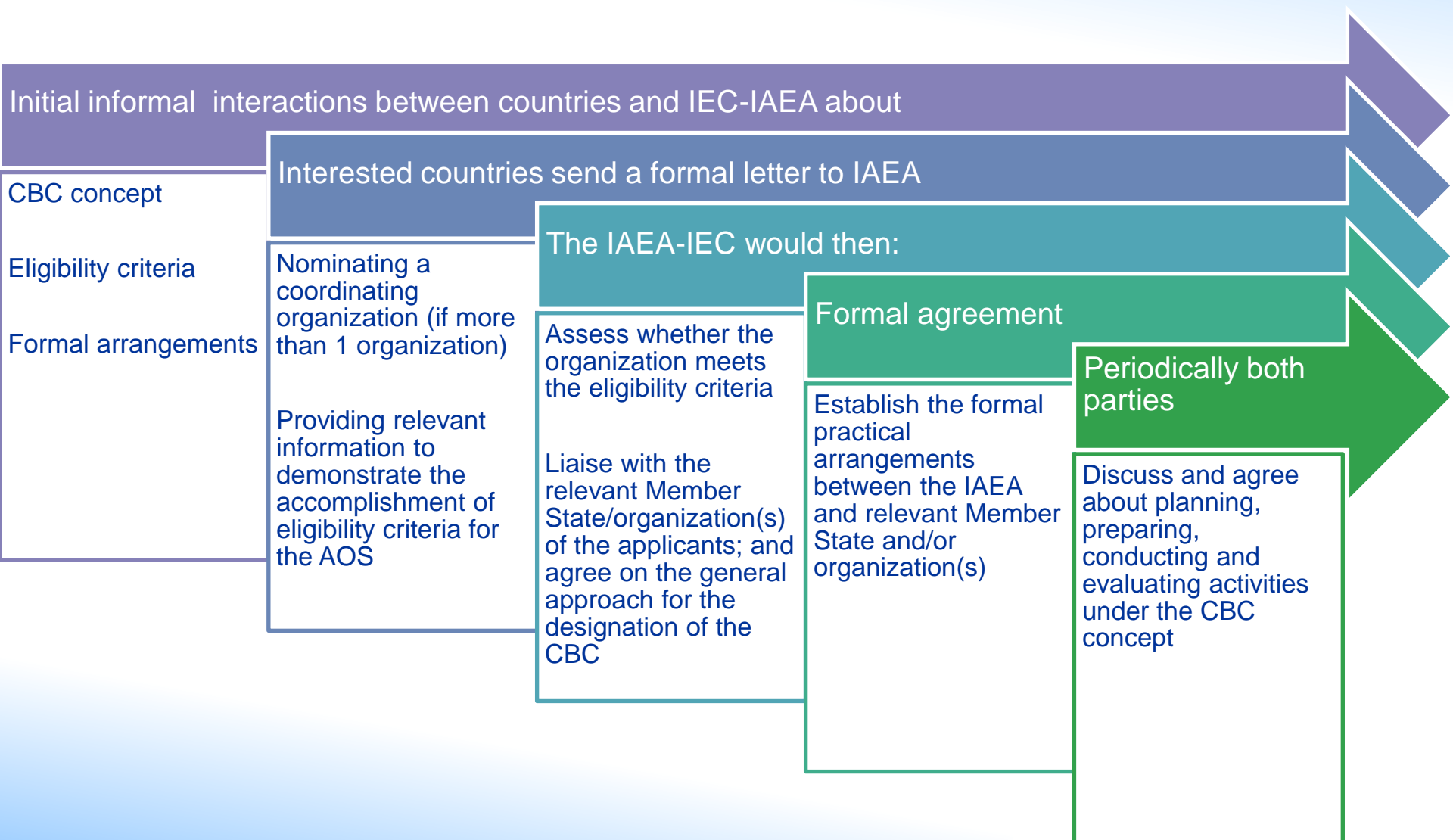
on

COOPERATION IN THE AREA OF

EMERGENCY PREPAREDNESS AND RESPONSE

CBC Practical arrangements template v02.1

# General process for CBC designation



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# Established CBC-EPR and activities to date

- **4 CBC's-EPR established to date:**
  - **RANET-CBC (2013, Fukushima, Japan) AOS: RANET**
  - **KIRAMS (2016, Seoul, RoK) AOS: Medical response**
  - **Training Centre of the Austrian Ministry of Interior (Taiskirchen, 2016 Austria) AOS: response to radiological emergencies**
  - **NIRS (2017, Chiba, Japan) AOS: Medical response**
- **2 CBC's-EPR about to be established: China; Russian Federation (expected for 2018)**
- **Expression of interest from other entities, currently in talks**

# Established CBC-EPR and activities to date

- **Activities to date:**
  - Normally organized at regional level, under TC
  - 6 Editions of REM School (Comprehensive 3 weeks training in EPR) implemented in CBC's-EPR
  - 2 more editions of REM School in the pipeline
  - Different regional training events on medical response
  - Other training events of the IEC portfolio currently being scheduled
  - Different training and capacity building activities (Training on Radiation Monitoring, RANET Exercises, WS on Public Communication, WS on NPPO-OIL's, etc.) held in RANET CBC

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# Future plans and way forward

- Ensuring sustainability to the concept
- Creation of CBS-EPR Network looking for synergies among Centres and cooperation on:
  - Exchange of experience and new developments in training for EPR
  - Provision to the IAEA of advice on Capacity Building needs and activities to support them
- In the mid term, integration of this network together with an educational network in EPR to be created. Joint platform on education & training in EPR to be created (iNET-EPR)



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*Thank you!*

