

Education on CBRN and International Agreements

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Core objectives of CBRN education

- Basic knowledge about CBRN and underlying technologies
- Identification and understanding threats and risks
- Understanding responsibilities
- Knowing relevant international frameworks
- Understanding transfer controls
- Knowing partners and target audiences
- Deploying educational and outreach strategies

Basic knowledge about CBRN and underlying technologies

- Basic knowledge is fundamental
 - For yourself to appreciate risks and threats
 - To be able to appreciate when a risk or threat emerges
 - To communicate your knowledge and insights
- Awareness of context
 - What are the international and national regulatory frameworks governing a particular type of technology?
 - Which agencies bear responsibility for technology transfers?
 - Where can I inform myself about my own responsibilities?

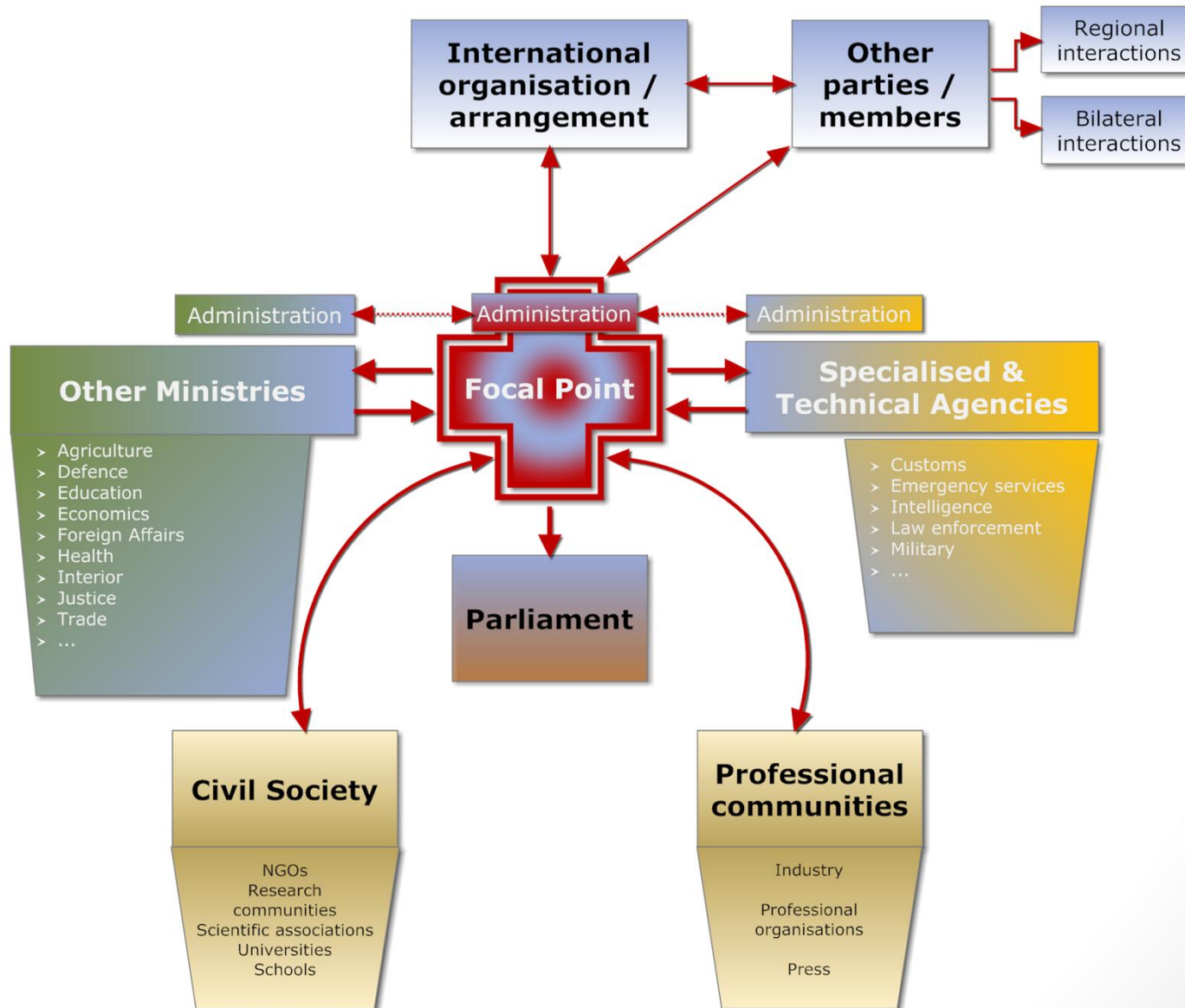
Education about export controls ...

- Is about changing attitudes of individuals or groups
 - Audiences need to acquire enhanced awareness about the potential implications of their activities and individual actions
 - They must be able to identify and assess short-term and longer-term risks and threats
 - They must acquire situational awareness to maintain standards of responsible behaviour
- Knowledge transfer is insufficient to shape attitudes
 - Audiences need to be engaged
 - They need to discover for themselves *why* the issue area is important / relevant to them
 - They need to discover *how* they can mitigate risks and threats
 - The insights need to become part of the daily professional routine

Why is there a need for education?

- Consensus may exist about the prohibition of the weapon, however
 - Controversy may exist about technologies and processes underlying CBRN weapons
 - The dual-use challenge: the *final, single-purpose phase* in the CBRN weapon development process may be difficult to establish
- Different threat perceptions may exist among relevant societal constituencies
 - Military, government officials, politicians, scientists, industry, etc.
 - These may lead to different assessments of risks, and therefore to different appreciation of responsibilities
- Limited awareness exists among *scientists* and *industry representatives* about potential contribution of their activities to future weapon development

Who needs to be involved?





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Recalling where science, industry and military art converged
Challenging entrenched positions

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