

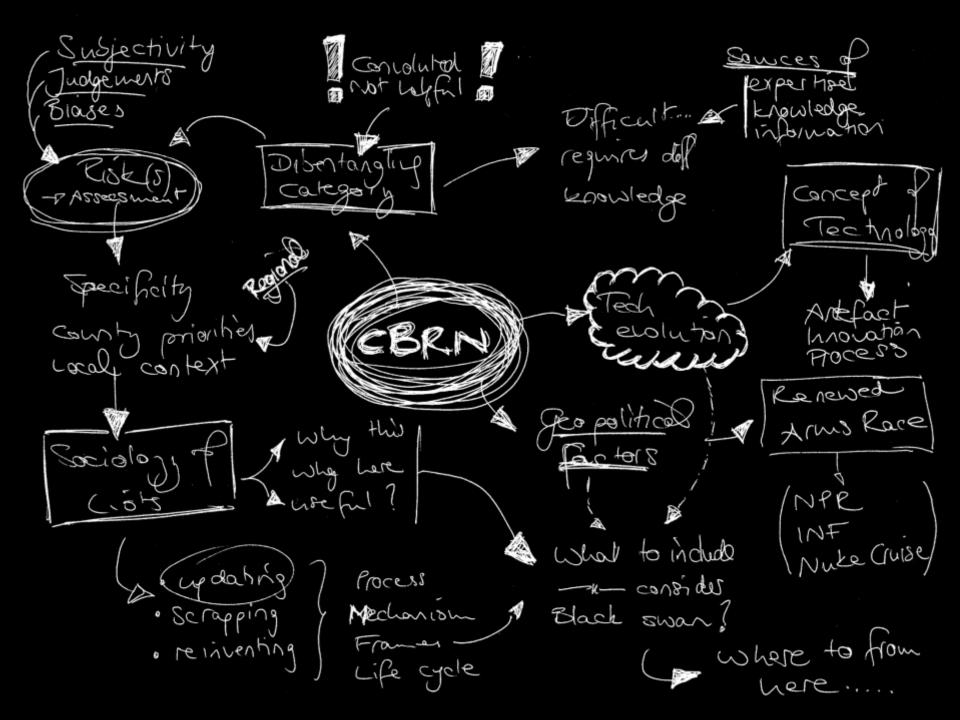
Technology Evolution and CBRN

Workshop on the Export Control of Dual-use Materials and Technologies in GUAM Countries

Kyiv, Ukraine, 14 March 2018

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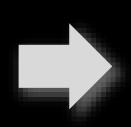


CBRN - Categorisation

CBRN Categorisation historical and not sensical

– as covered by Jean Pascal Zanders

Vastly different systems knowledge materials applications



Legal framework / politics

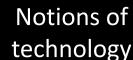
Responsibility institutionally

Stakeholder communities

Evolution?

FOSTER

Innovation process





Socio-technical regime

"Progress"

Policy dilemma: How to design policies that can simultaneously...

- successfully suppress weapons development, whilst
- ➤ accommodating and encouraging the spread of dual use technologies for legitimate technical and scientific reasons

Regime against CBRN

The treaties are not outpaced by technological change ?

BWC & CWC prohibitions are defined by purpose and sufficiently broad to accommodate evolving technology - others....?

Implementation is problematic

What is proliferation relevant?

What needs to be export controlled?

What requires attention?

No labels

Changes in 'technology' require awareness !!!

Export control and lack of knowledge

Knowledge of tech change

Four states

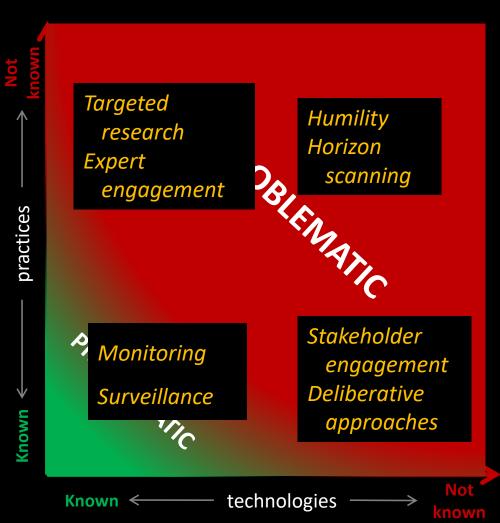
Spaces for exchanges

Intra institutionally, inter institutionally

National, regional, international

... with wide variety of actors and stakeholders, enablers and facilitators

In academia, industry, government, civil society, financial sector, law enforcement, customs



Requires space, dedication, resources, collaboration, time, and active engagement...

Technology evolution and Export controls

Formalised How are Lists constructed? How is change process? updated? accomodated? revised? Established scrapped? mechanism? Frequency? **Duration?** Life cycle? Scope of What are the sources review? of the information? Modalities of the Relevant stakeholders? appraisal? Government Academia Models Financial sector Customs Who is responsible? **Types Civil Society** Industry Who is consulted? Methods Law enforcement Military What about training, outreach and communication

Technology evolution and Export controls (*ordered*...)

Frequency? How is change Scope of **Duration?** accomodated? review? Life cycle? What are the sources of the information? Financial sector Government Who is responsible? Relevant Academia Customs Who is consulted? Law enforcement stakeholders? Civil Society Military Industry Models **Modalities of the** Established **Formalised** Types appraisal? mechanism? process? Methods How is change communicated? updated? revised? scrapped?