



# Why secure synthetic biology?

Piers Millett

Biological Weapons Convention

Implementation Support Unit



Abstraction

Standardization



Characterization

THREAT

HUMAN

RISK

INTERVENTION

CAPABILITY

INTENT

VULNERABILITY

IMPACT

HAZARD

CAPACITY

LIKELIHOOD



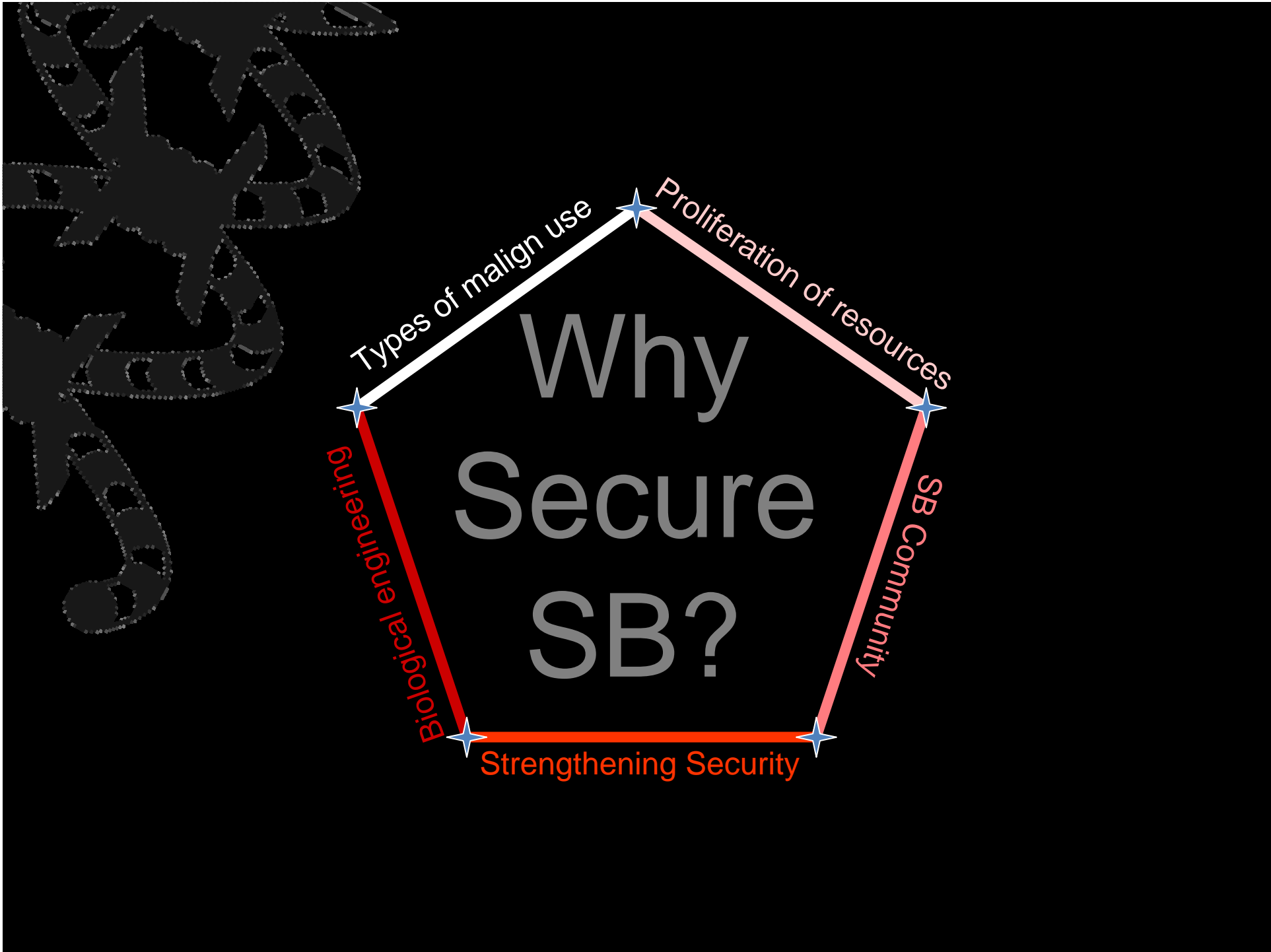


Abstraction

Standardization



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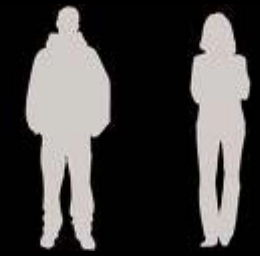
Countries



Groups & Organizations



Individuals



Warfare



Terrorism



Crime

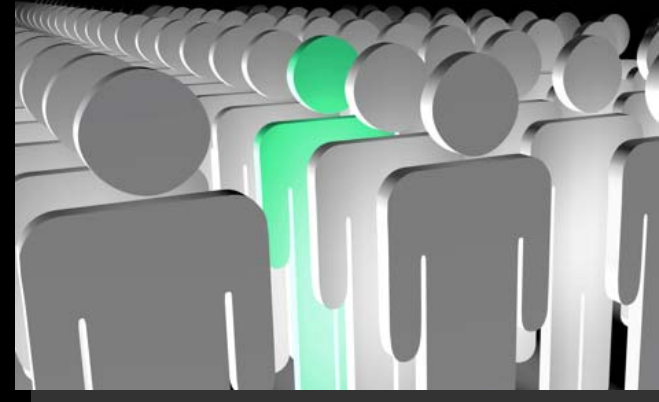
Tangible



Intangible



International



Intranational



Synthetic Biology 3.0









Short Term

Beneficial



Medium Term

Negligible



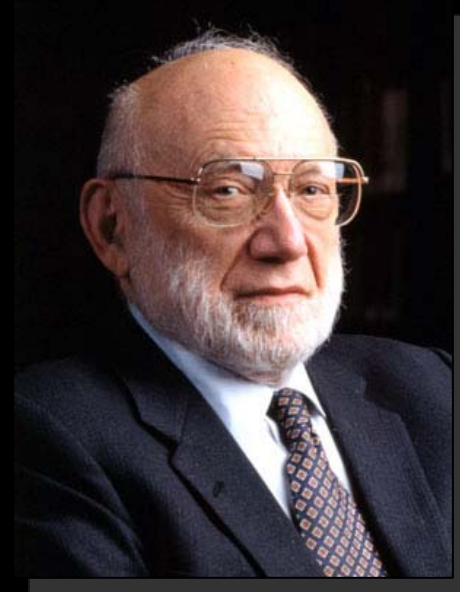
Long Term

Paradigm Shift



"I thought I felt a paradigm shift, but it was just my undershorts riding up."

"There is no technical solution to the problem of biological weapons. It needs an ethical, human and moral solution if it's going to happen at all"



Joshua Lederberg  
(Nobel Prize for  
Medicine 1958)



# Disclaimer

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