



**NTI**  
BUILDING A SAFER WORLD



**80,000**  
**HOURS**



**Global  
Health  
Security  
Network**

## 2023 Next Generation for Biosecurity Competition Submission Outline

### Format

- Title page should include team member names, organizational affiliations, and home countries.
- Submissions should be in 12-point Times New Roman font, single spaced.
- Headings may be bolded and/or italicized in 12-point font.
- Sections should have a single blank line of separation as demonstrated in this document.

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**Prompt: Design a policy proposal that promotes biosecurity-by-design as a way to bolster emerging bioeconomies.**

### **Executive Summary (200 – 300 words)**

Provide a stand-alone summary of your team's research approach and policy and/or technical recommendations for how governments can build in biosecurity-by-design as a way to bolster emerging bioeconomies and strengthen international health and security norms. The information in this section can be creatively formatted with graphics if desired.

### **Background (500 – 700 words)**

In the Background Section, you should clearly define what an “emerging bioeconomy” is and should acknowledge public and private investment in biotechnology development across varying sectors. Provide a brief history on the rise of the global bioeconomy – providing specific examples of countries with emerging bioeconomies.

### **Discussion (1,000 – 1,400 words)**

This section should articulate key biological risks associated both with the rapid development of biotechnologies as well as the risks associated with underdeveloped and/or underinvestment in safety and security. Define the role of international cooperation and collaboration in promoting bioeconomic development and managing associated risks, including as it relates to upholding international norms and standards established through the International Health Regulations (2005) and the Biological Weapons Convention.

This section should also highlight countries who are ahead of the curve in safeguarding science and technology as they expand their bioeconomies. Submissions should have quantitative and qualitative analyses using publicly available information, Global Health Security Index, Joint External Evaluations, and/or Confidence Building Measures submissions to explore how governments around the world are currently investing in promoting biosecurity and mitigating the threat posed by dual use research of concern.

Lastly, this section should discuss the perceived competition between promoting bioeconomic growth while also protecting against the deliberate misuse of biotechnology for malicious

purposes. Submissions evaluate claims regarding the trade-offs between safety/security and innovation/growth.

### **Recommendations (Up to 700 words total)**

This section should offer policy and/or technical approaches that governments can implement to promote building in biosecurity-by-design in emerging bioeconomies in a way that stimulates innovation while advancing relevant international norms and standards.

### **Conclusions (200 – 400 words)**

Provide a summary of your background, discussion, and recommendations around how biosecurity-by-design can bolster emerging bioeconomies while advancing international health and security norms.

### **Appendix**

- Abbreviations used in the submission text may be explained here.
- If analysis was performed using a program (e.g., R studio, SAS, STATA, SPSS, etc.), please include annotated code and relevant output.
- If additional coding of primary/secondary sources was performed, please include a codebook here.

### **References**

Please submit all references in MLA format using endnotes. As needed, use the [Owl Purdue MLA Style Guide](#) for citation assistance.

### **Figures and Tables**

If you have figures within your paper, please ensure that they are properly cited in the text.

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### **Resumes**

- Resumes for each team member (3 in total) should be combined into a SINGLE document and be submitted as a SEPARATE PDF.