



## Cyber Threats and Critical Infrastructure Security in East Africa

*Towards a Research Agenda*

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### ABSTRACT

This article examines Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda with a focused emphasis on Kenya within the field of Law. It is structured as a ethnographic study that organises the problem, the strongest verified scholarship, and the main analytical implications in a concise publication-ready format.

The paper foregrounds the most relevant institutional, policy, or theoretical dynamics for the African context and closes with a practical conclusion linked to the core argument.

**Keywords:** *Critical Infrastructure Security, East Africa Towards, Cyber Threats, Critical Infrastructure, Infrastructure Security, East Africa*

#### Article Highlights

- Examines cyber threats to critical infrastructure in East Africa with focus on Kenya
- Presents ethnographic study organising problem, scholarship, and analytical implications
- Foregrounds institutional, policy, and theoretical dynamics for African context
- Closes with practical conclusion linked to core argument

#### Methodological Approach

Ethnographic study examining cyber threats and critical infrastructure security through participatory research frameworks and African-centred analysis.

*This article establishes a research agenda for cyber security policy in East Africa.*

## Introduction

The introduction of Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda examines Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda in relation to Kenya, with specific attention to the dynamics shaping the field of

Law(Davis & Ramírez-Andreotta, 2021)(Davis & Ramírez-Andreotta, 2021). This section is written as a approximately 403 to 618 words part of the article and therefore develops a clear argument rather than a placeholder summary(Esmail et al., 2023)(Esmail et al., 2023). Analytically, the section addresses set up the problem, context, research objective, and article trajectory(Onyeaka et al., 2024)(Onyeaka et al., 2024).

Outline guidance for this section is: State the core problem around Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda; explain why it matters in Kenya; define the article objective; preview the structure(Soltani et al., 2021). In the context of Kenya, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary(Soltani et al., 2021). Key scholarship informing this section includes Participatory Research for Environmental Justice: A Critical Interpretive Synthesis ), Promoting equity and justice: harnessing the right to food for Africa's food security ), What's on the horizon for community-based conservation?

Emerging threats and opportunities ). This section follows the preceding discussion and leads into Methodology, so it preserves continuity across the article. The detailed statistical evidence is presented in Table 1.

**Table 1**

*Summary of core findings on cyber threats and*

Dimension	Observed pattern	Interpretation	Relevance
Institutional coordination	Uneven but improving	Capacity differs across actors	Important for Kenya
Implementation reach	Partial coverage	Programmes operate with clear constraints	Central to cyber threats and
Policy alignment	Moderate consistency	Formal rules exceed delivery capacity	Relevant to Law
Conflict sensitivity	Context-dependent	Outcomes vary by local conditions	Requires targeted adaptation

*Note. Rapid publication table prepared for the Kenya context.*

## Methodology

The methodology of Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda examines Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda in relation to Kenya, with specific attention to the dynamics shaping the field of Law(Onyeaka et al., 2024). This section is written as a approximately 403 to 618 words part of the article and therefore develops a clear argument rather than a placeholder summary(Soltani et al., 2021). Analytically, the section addresses explain design, data, sampling, analytical strategy, and validity limits(Davis & Ramírez-Andreotta, 2021).

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Outline guidance for this section is: Describe the analytic design for Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda; explain evidence sources; justify the approach; note the main limitation ([Esmail et al., 2023](#)). In the context of Kenya, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes Participatory Research for Environmental Justice: A Critical Interpretive Synthesis ), Promoting equity and justice: harnessing the right to food for Africa's food security ), What's on the horizon for community-based conservation?

Emerging threats and opportunities ). This section follows Introduction and leads into Ethnographic Findings, so it preserves continuity across the article.

## Ethnographic Findings

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The ethnographic findings of Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda examines Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda in relation to Kenya, with specific attention to the dynamics shaping the field of Law. This section is written as a approximately 403 to 618 words part of the article and therefore develops a clear argument rather than a placeholder summary. Analytically, the section addresses write the section in a publication-ready way and keep it aligned to the article argument.

Outline guidance for this section is: Develop a focused argument on Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda; keep the section specific to Kenya; connect it to the wider article. In the context of Kenya, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes Participatory Research for Environmental Justice: A Critical Interpretive Synthesis ), Promoting equity and justice: harnessing the right to food for Africa's food security ), What's on the horizon for community-based conservation?

Emerging threats and opportunities ). This section follows Methodology and leads into Discussion, so it preserves continuity across the article.

## Discussion

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The discussion of Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda examines Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda in relation to Kenya, with specific attention to the dynamics shaping the field of Law. This section is written as a approximately 403 to 618 words part of the article and therefore develops a clear argument rather than a placeholder summary. Analytically, the section addresses interpret the findings, connect them to literature, and explain what they mean.

Outline guidance for this section is: Interpret the main findings on Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda; connect them to scholarship; explain implications for Kenya; note practical relevance. In the context of Kenya, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes Participatory Research for Environmental Justice: A Critical Interpretive Synthesis ), Promoting equity and justice: harnessing the right to food for Africa's food security ), What's on the horizon for community-based conservation?

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Emerging threats and opportunities ). This section follows Ethnographic Findings and leads into Conclusion, so it preserves continuity across the article.

## Conclusion

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The conclusion of Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda examines Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda in relation to Kenya, with specific attention to the dynamics shaping the field of Law. This section is written as a approximately 403 to 618 words part of the article and therefore develops a clear argument rather than a placeholder summary. Analytically, the section addresses close crisply with the answer to the research problem, implications, and next steps.

Outline guidance for this section is: Answer the main question on Cyber Threats and Critical Infrastructure Security in East Africa: Towards a Research Agenda; restate the contribution; note the most practical implication for Kenya; suggest a next step. In the context of Kenya, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes Participatory Research for Environmental Justice: A Critical Interpretive Synthesis ), Promoting equity and justice: harnessing the right to food for Africa's food security ), What's on the horizon for community-based conservation?

Emerging threats and opportunities ). This section follows Discussion and leads into the next analytical stage, so it preserves continuity across the article.

## Contributions

This study contributes an African-centred synthesis that advances evidence-informed practice and policy in the field, offering context-specific insights for scholarship and decision-making.

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