

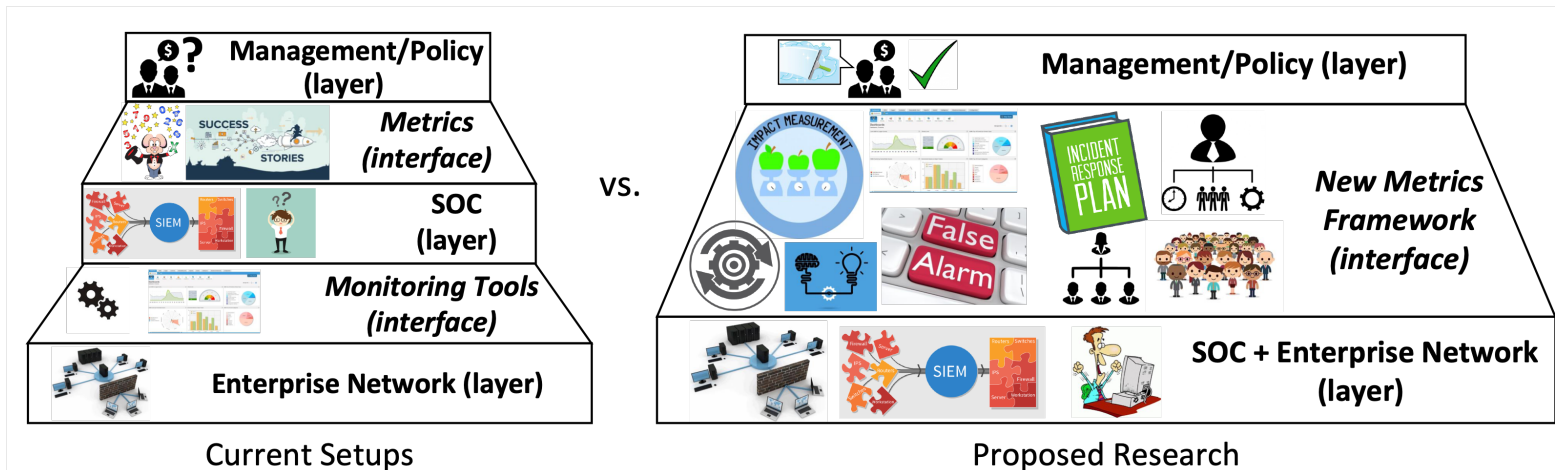
A Sociotechnical Metrics Framework for Network and Security Operation Centers

Challenge:

- Network and Security Operation Center (SOC) metrics fall short when linking these components together: especially the security posture of the network and the human operations of the SOC .

Solution:

- We are developing an adaptable metrics framework that accounts for changing landscapes (e.g., supporting work-from-home) while harmonizing SOC performance against enterprise network security.



Scientific Impact:

- Ignite a major shift in the network (and thus internet) security landscape by changing the way networks are monitored: with tailored metrics for real-world environments.

Broader Impact:

- Fundamentally alter SOC operations by incentivizing behavior that is aligned with the realities of the environment.