



# SaTC: CORE: Small: Managing Privacy and Environment for Used and End-of-Life Electronic Devices

## Challenge:

- Electronic waste poses major data security risk
- Security concerns reduce reuse of End-of-1<sup>st</sup>-Life Electronics

## Solution:

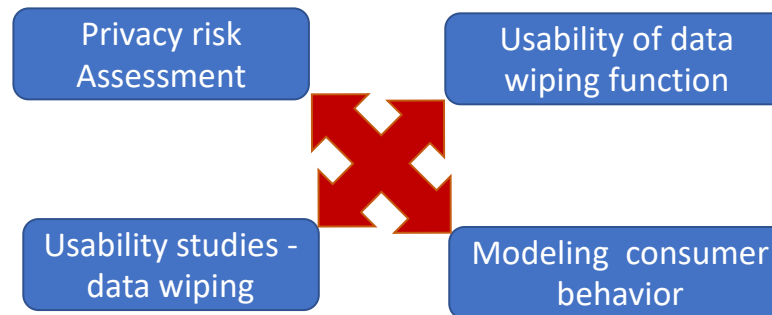
Assess for a set of devices:

- Privacy
- Penetration testing
- Usability of wiping protocol
- Machine Learning model of consumer security and end of life behavior.

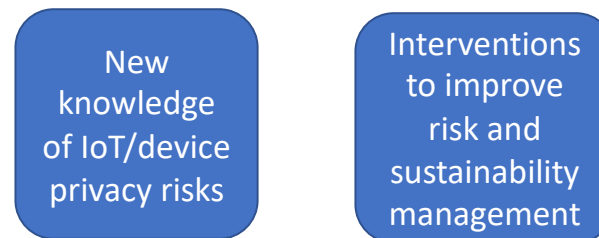
## Issues to Address:



## Project activities:



## Outcomes:



## Scientific Impact:

- New knowledge of security risks in important of unexplored area
- First behavioral model will inform how to manage security and increase reuse

## Broader Impact and Broader Participation:

- Implications for manufacturers, software developers and consumers
- Involved directly in standards development processes
- Student engagement in penetration testing, usability studies and summer camps.

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