**Sandboxes** promise to solve many software security challenges, but why aren't they adopted more extensively?

**METHODS**

We systematically analyze the sandboxing landscape to (a) **identify challenges** holding it back and (b) **resolve ambiguities** in the definition of "sandbox".

**QUESTIONS**
- Establish research questions to focus analysis efforts.

**CRITERIA**
- Set criteria to determine what types of data can answer the questions.

**DATASET**
- Searched 5 top security conferences for sandboxing papers matching the inclusion criteria.

**SUMMARIES**
- Summarize the data in each paper using codes iteratively derived from the dataset.

**ANALYSIS**
- Use statistical clustering & graphical analysis to compare definitions & communities.

**DEFINITION**

sandbox (n.)

An encapsulation mechanism that is used to impose a security policy on software components.

**CHALLENGES**

**USABILITY**

Sandboxes are hard to use and people use them incorrectly, reducing their benefits. Sandbox researchers largely ignore usability.

**AD HOC**

Researchers often rely on ad hoc arguments to validate scientific claims about their