

# Planet Blackout: The Reach Of Global Censorship

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# Simple observation

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- Worldcup websites can be blocked



# What's the goal?

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- The global reach of censorship for popular domains from different sub-categories
- From 156 countries from geographically diverse vantage points



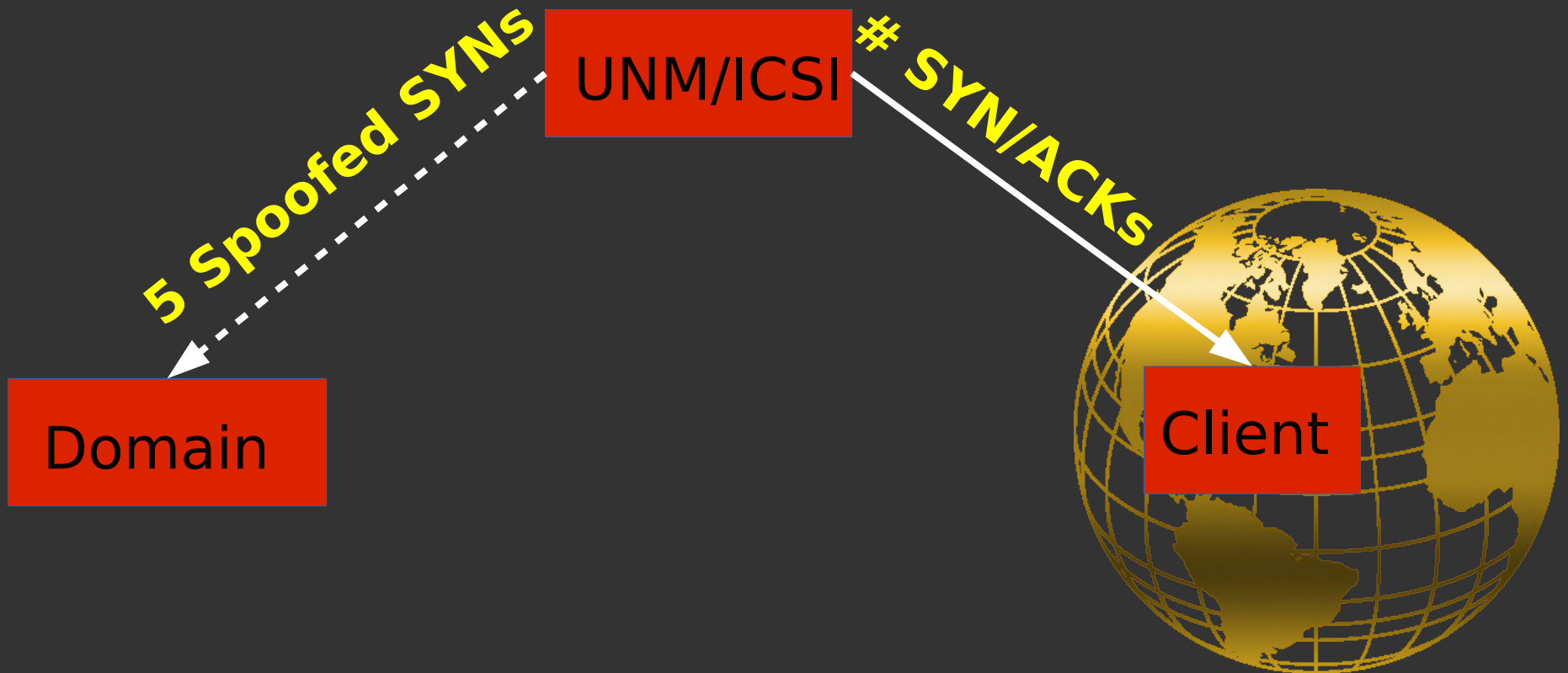
# How do we measure?

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- Using TCP/IP side channels
- In particular: hybrid idle scan that uses **IP identification** and **SYN backlog**
- Using DNS injection analysis by Ben Jones from Georgia Insistute of Technology.

# In a nutshell

- We can **manipulate** and **probe** shared resources (using IP spoofing)

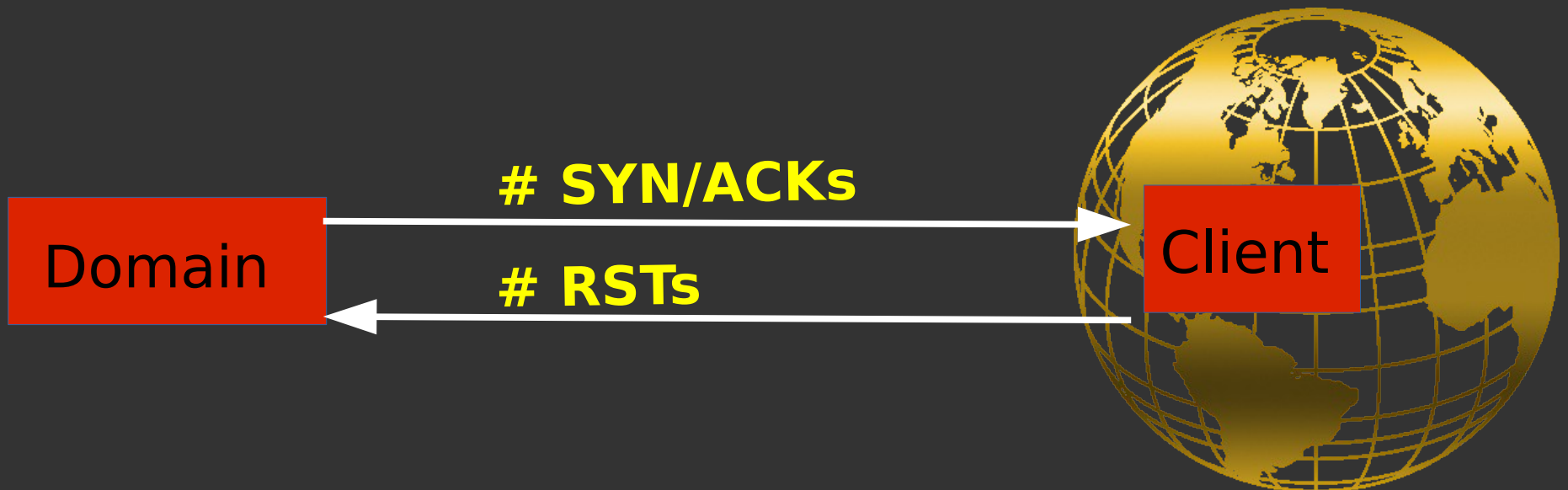


# Ethical concerns

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- Our hybrid idle scan create unsolicited traffic between a random global IPID client and a target domain

UNM/ICSI



# Better solutions

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- Not choosing end personal systems as a client:
  - Choosing routers
  - Choosing embedded systems

