

IOTWeek

Dublin — June 20-23, 2022

Vulnerability Assessment and Robust Defenses for Optimized Attacks in Dynamic SDNs

Viviana Arrigoni

GLOBAL VISION:

IoT TODAY AND BEYOND

IOTForum

Participants

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Prof. Novella Bartolini



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Prof. Ting He



Matteo Prata



Federico Trombetti



Tian Xie



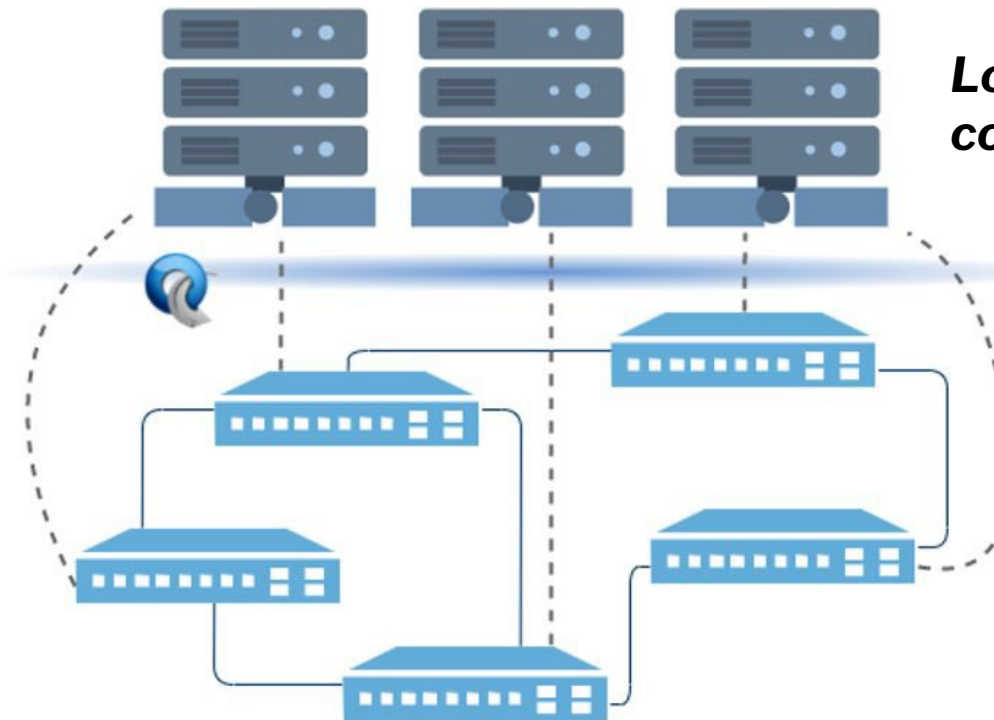
Sanchal Thakkar

Software-Defined Networking

Control plane



Data plane



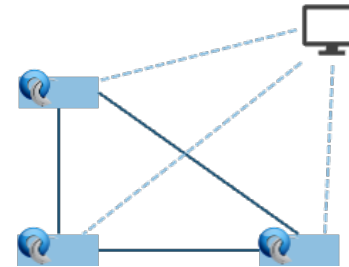
***Logically centralised
controller***



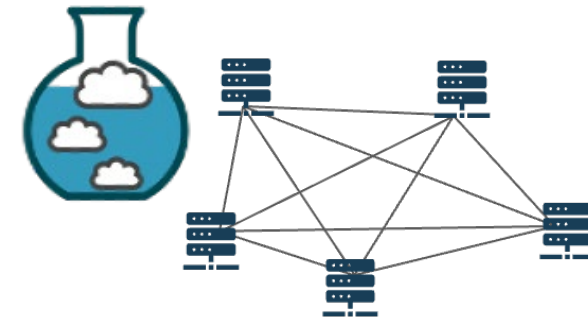
Prototype

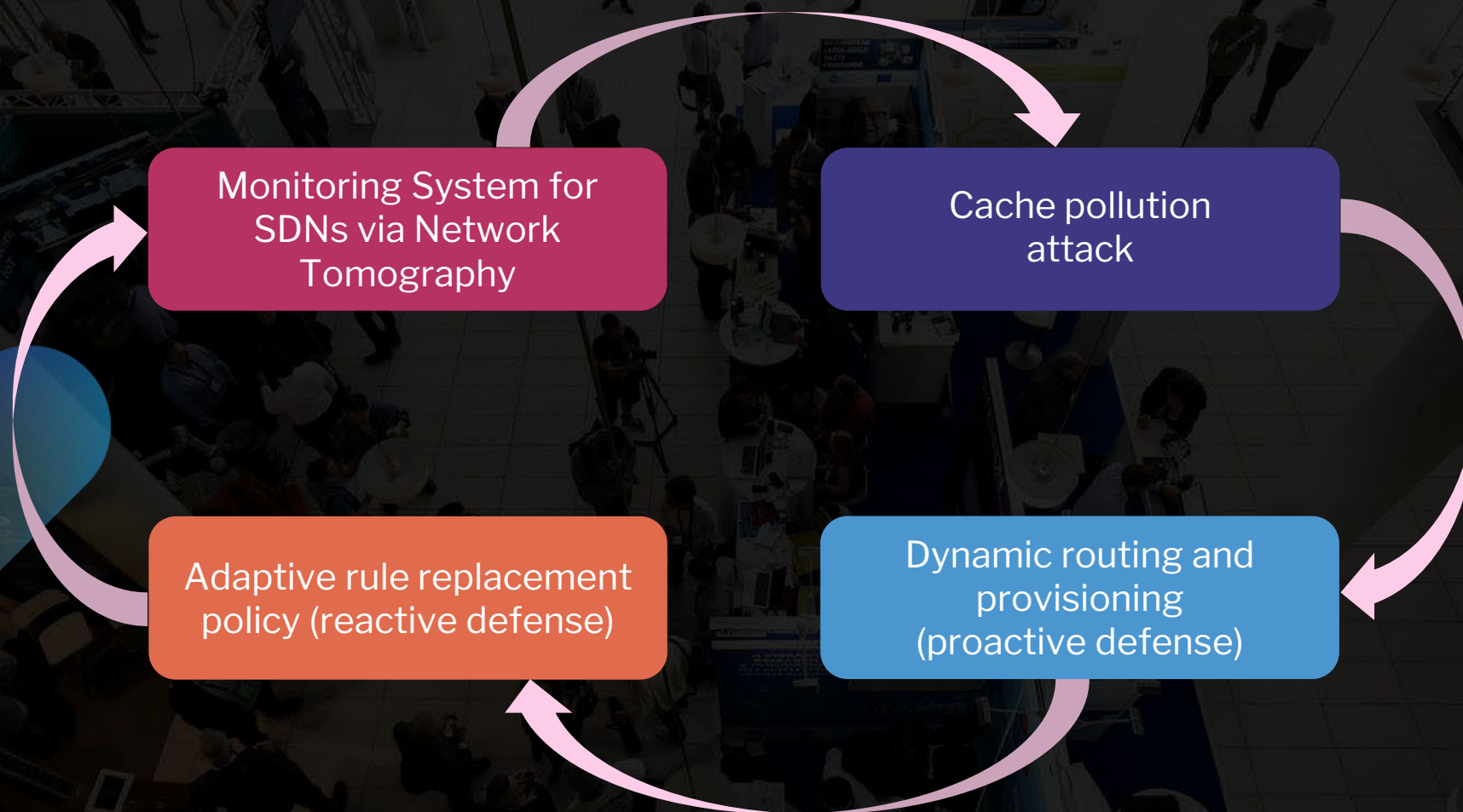
Distributed emulation

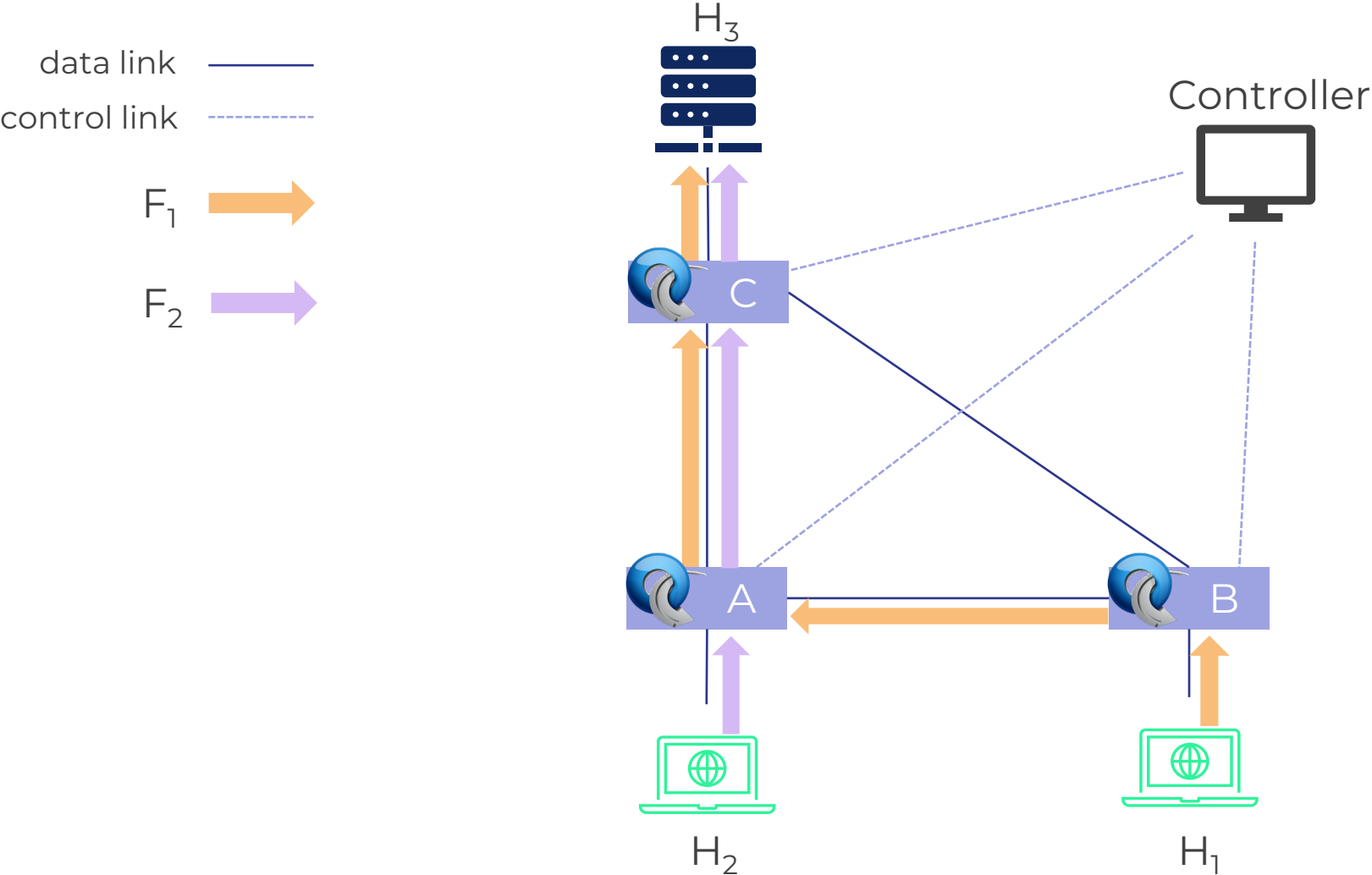
Local emulation



aruba 2930M 48G switch

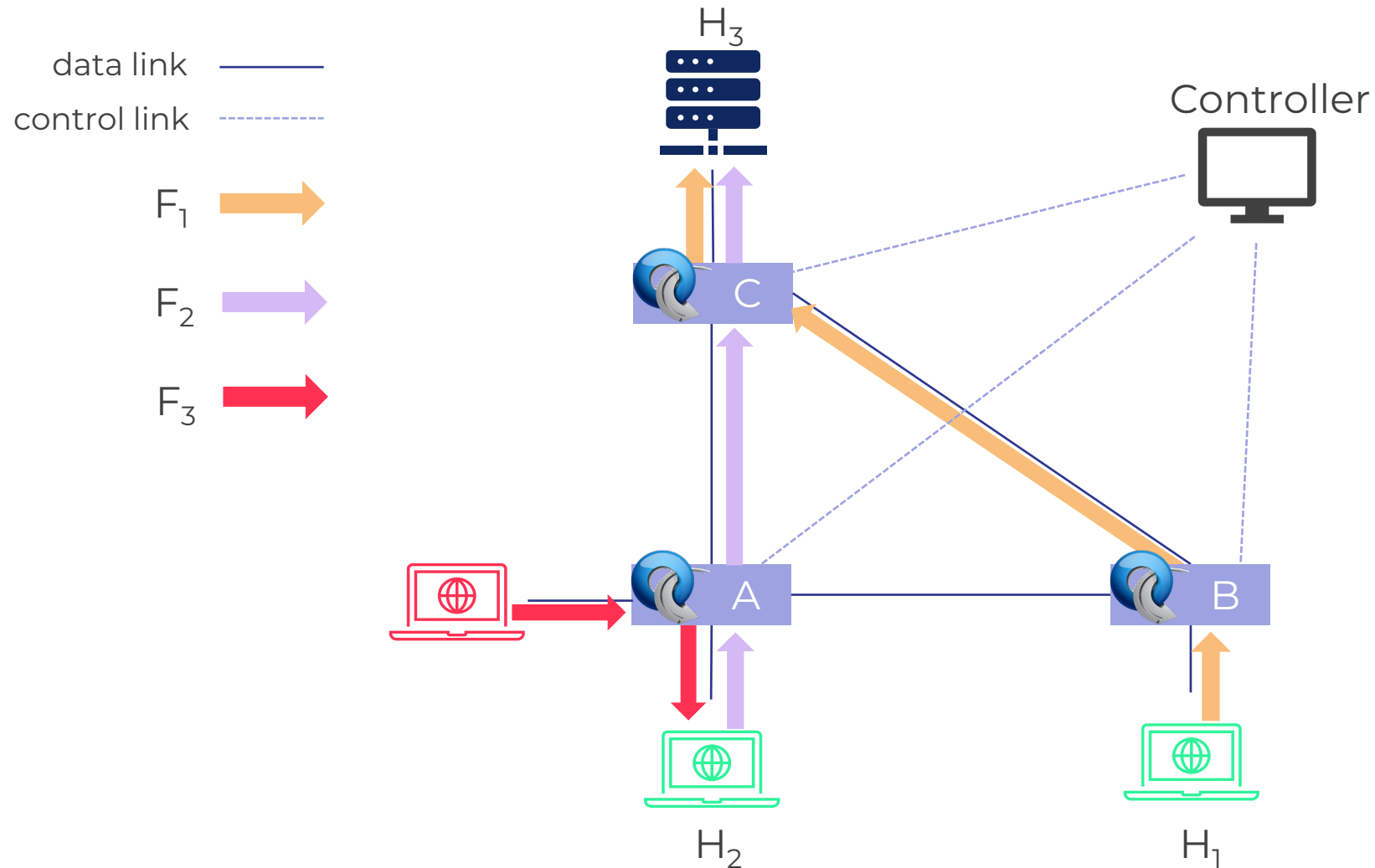


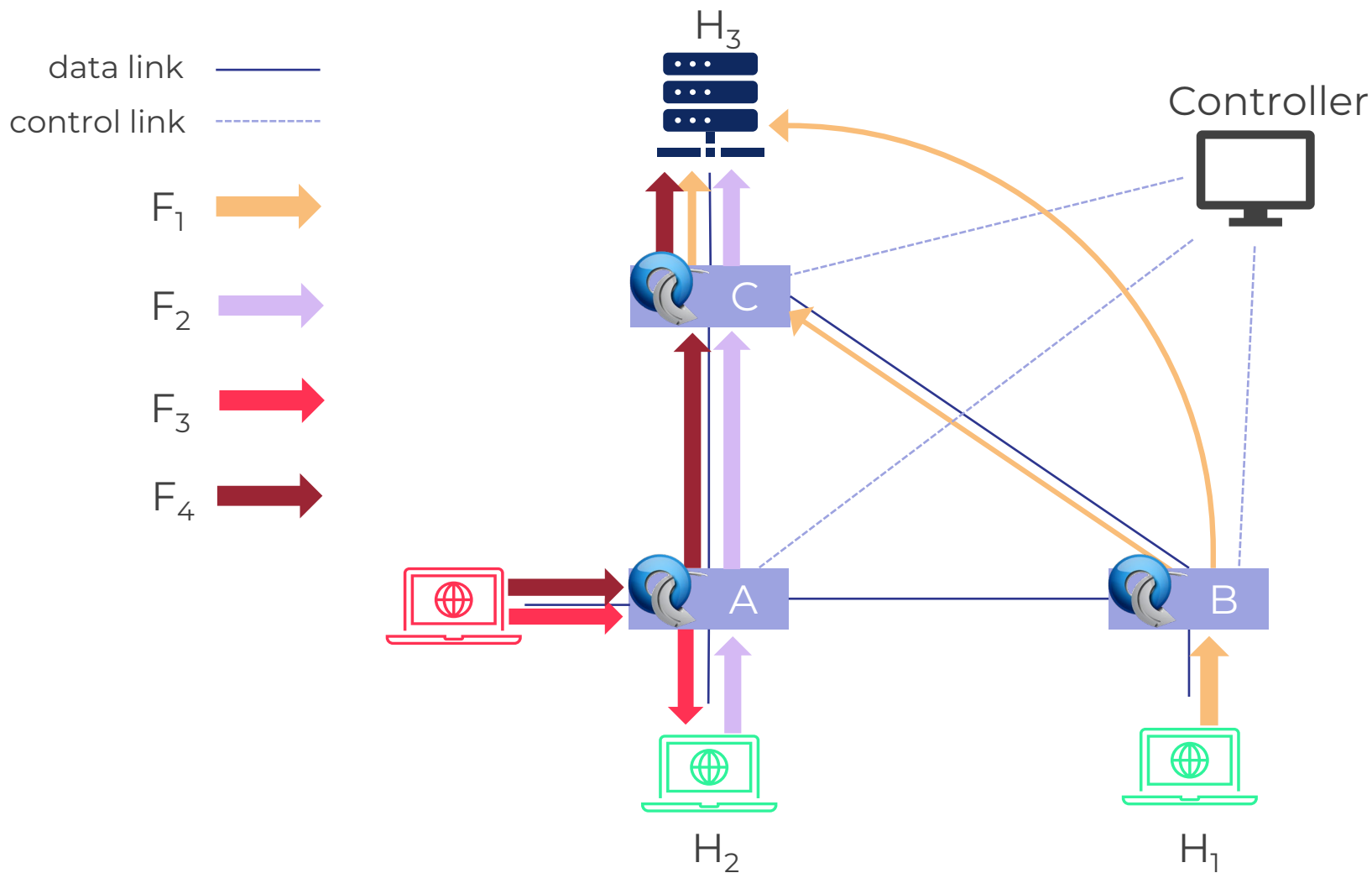




Initial Configuration

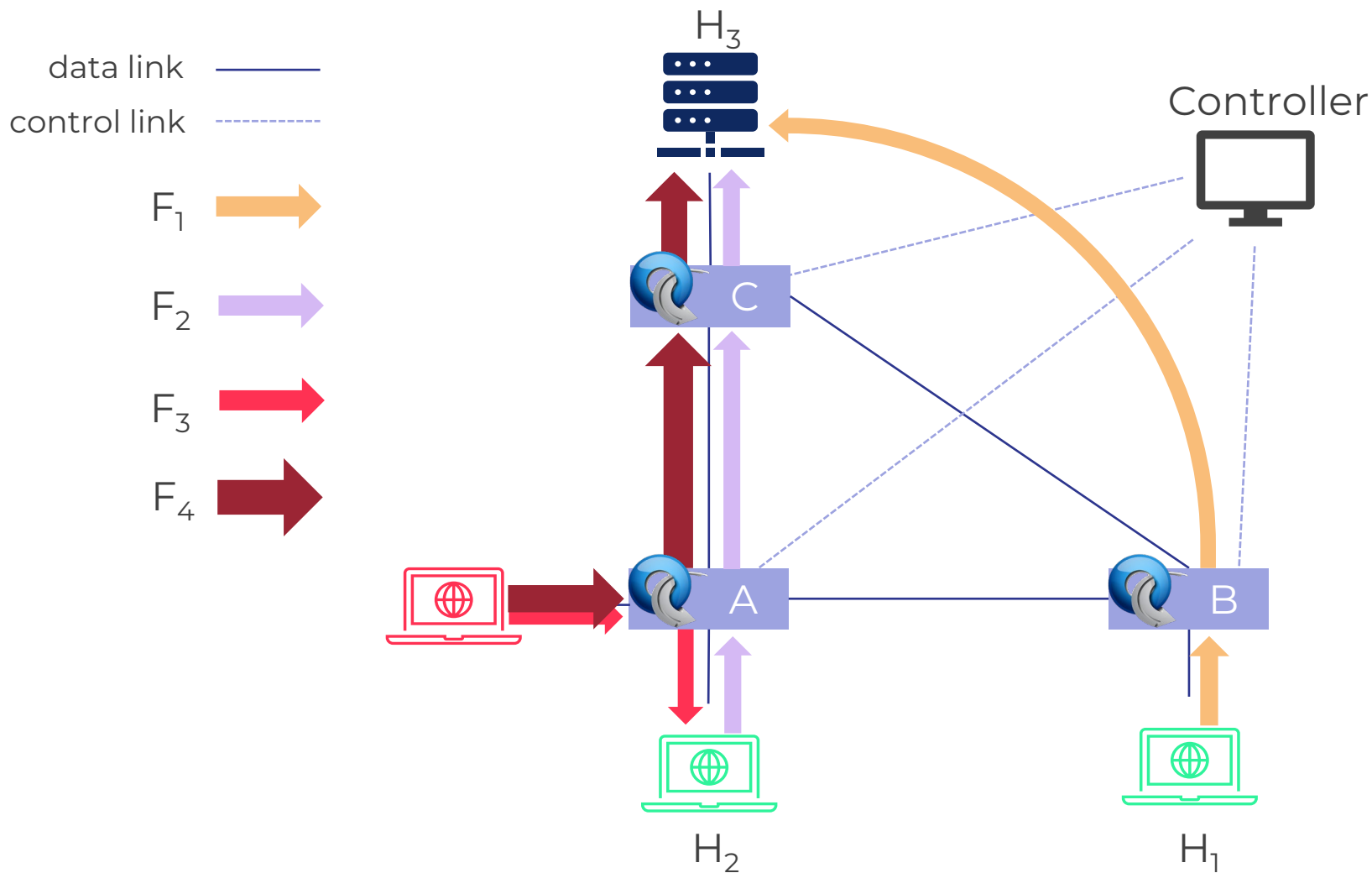
Experiments





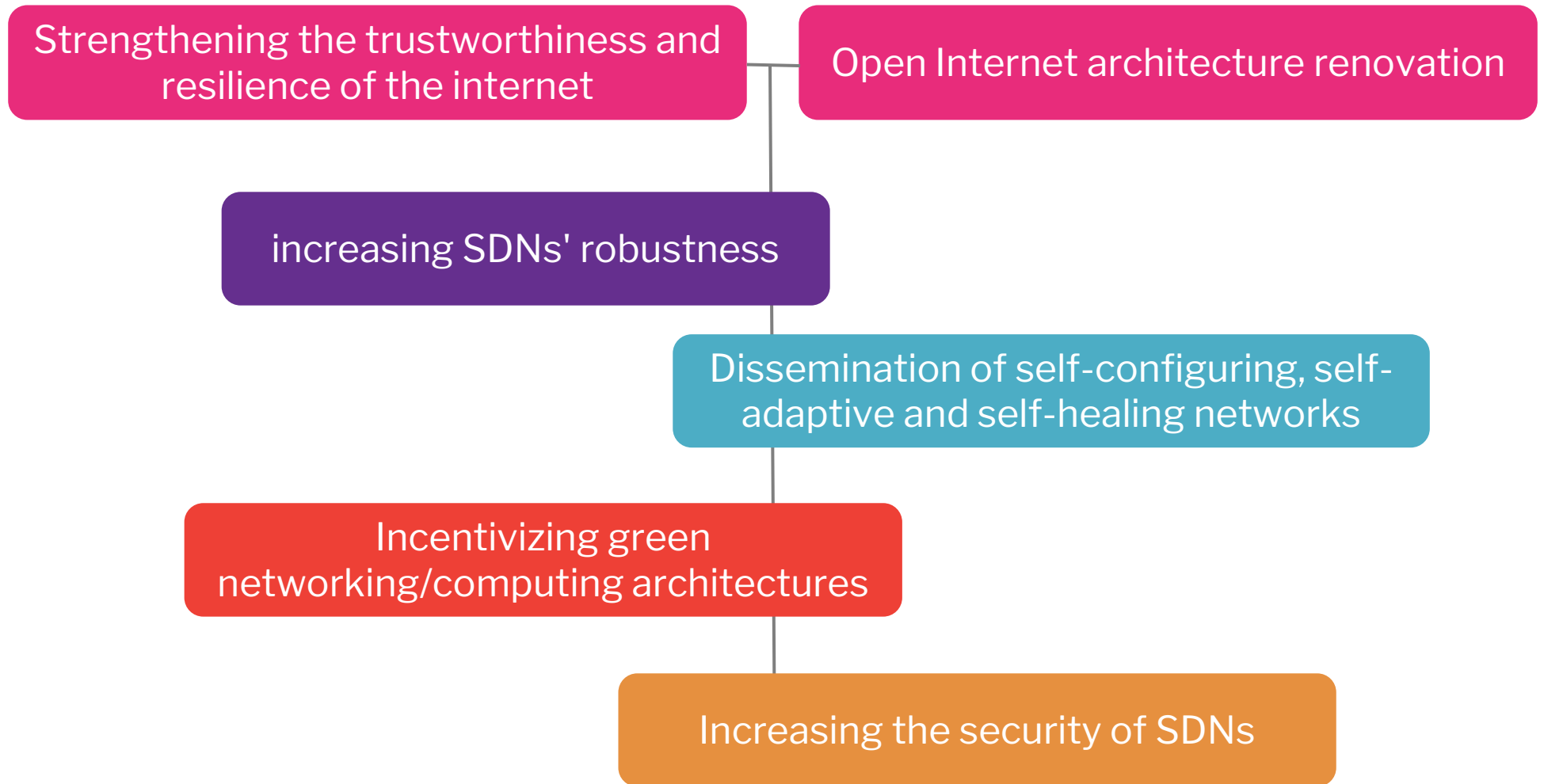
2nd scenario

Experiments



3rd scenario

Goals & Applications





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Thank you!

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