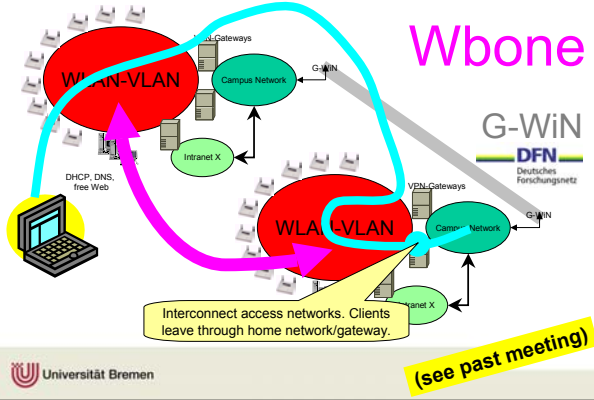


# Wbone: Early User Experience

Amsterdam, February 10<sup>th</sup>, 2003

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# Bremen: One State ... Five Universities

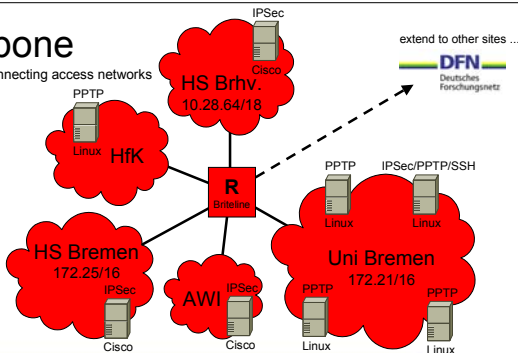
- Universität Bremen → shared programs
- Hochschule Bremen
- Hochschule für Künste
- Hochschule Bremerhaven
- International University Bremen

# Wbone: VPN-based solution(s)

- ◆ Security (for 802.11): VPN-based (local) solution
  - widely adopted in Germany → interconnect
  - requires routing, address space coordination
- ◆ Bremen: create **early user experience**
  - by chance, different RFC 1918 networks used
  - so, simply connect them via state's backbone
  - users can connect to home gateway from any site

# Wbone

interconnecting access networks



# Wbone: the **user** experience is there **daily!**

- ◆ no need for users to change their configuration
  - that's the way it's supposed to be
  - staff and students can roam freely, 1500 registered
- ◆ now, make it scale
  - address coordination, DNS
  - GRE, OSPF, VRF
  - discuss routable addresses vs. RFC 1918
- ◆ TF-Deliverable E ff.