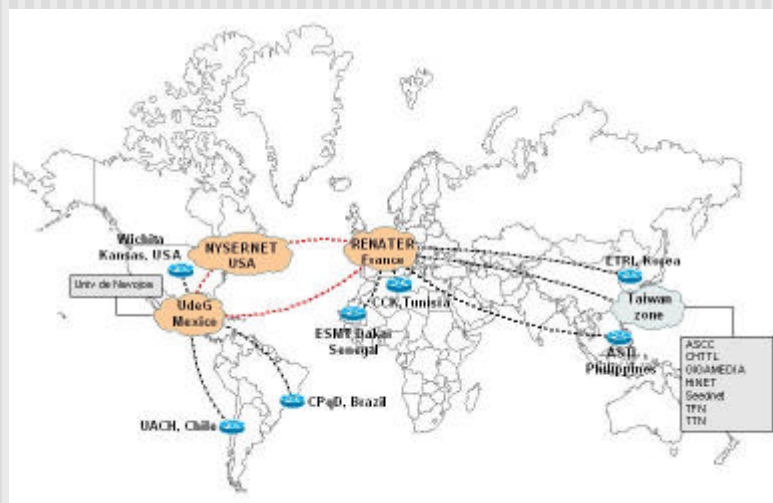


M6bone

IPv6 multicast backbone status update

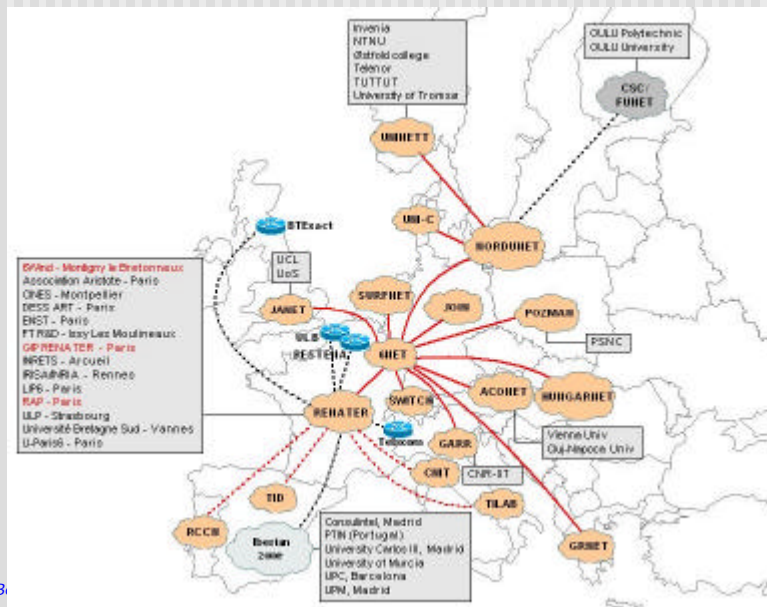
M6Bone



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M6Bone (Europe)



B

RPs spreading, scope, ...

- ✂ Global RP (scope = E) : Renater
- ✂ 6Net RP (scope = B) : Surfnet
- ✂ Gateway v4/v6 : Uninett
- ✂ RP : Funet (scope E other set of groups)
- ✂ Other RPs are in use :
 - ✂ By NRENs / Reg. Nets / ...
 - ✂ RP Univ. Bretagne sud (FR)
- ✂ For the usage of embedded RP
 - ✂ Document should be written ... soon !
 - Stig, Jérôme, Pekka ...

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How to connect...



Steps to connect:

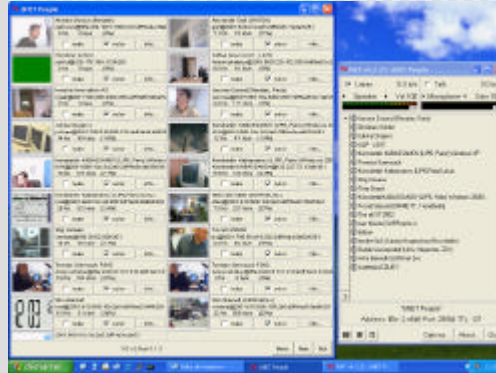
- ✂ 1. Setup an IPv6 multicast router
- ✂ 2. Connect to an M6Bone POP
 - ✂ Native connectivity
 - ✂ IPv6 in IPv6 tunnel
 - ✂ IPv6 in IPv4 tunnel
- ✂ 3. Run PIM Sparse Mode
 - ✂ BSR
 - ✂ Static configuration
- ✂ 4. Routing
 - ✂ MBGP
 - ✂ Static unicast route
 - ✂ Static multicast route

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Applications and services

- ✂ Videoconferencing
SDR, VIC, RAT...
- ✂ Radio broadcast:
Freeamp...
- ✂ Text exchange :
NTE...
- ✂ Reflectors:
 - ✂ To IPv4 multicast
 - ✂ To IPv6 and IPv4 unicast



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Applications /2

- ✂ Special emphasis :
 - ✂ VideoLAN over IPv6
 - MPEG 2 and MPEG 4 broadcast
 - Servers at Rediris and Renater
 - ✂ VIC-gc
 - VIC 4CIF : slides broadcasting
 - Server on Linux and Windows XP
 - Clients on most OSes

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