



ULAKBIM



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

Benefits Realised in Turkey from Participation in GÉANT2

**GEANT2**

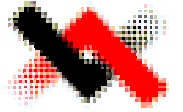
LAUNCH EVENT

14 – 15 June 2005

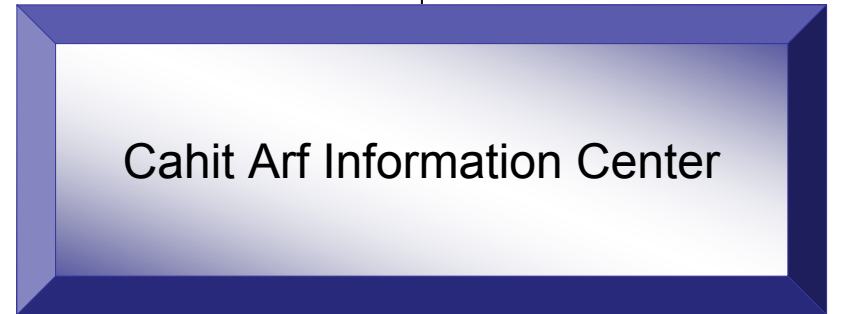
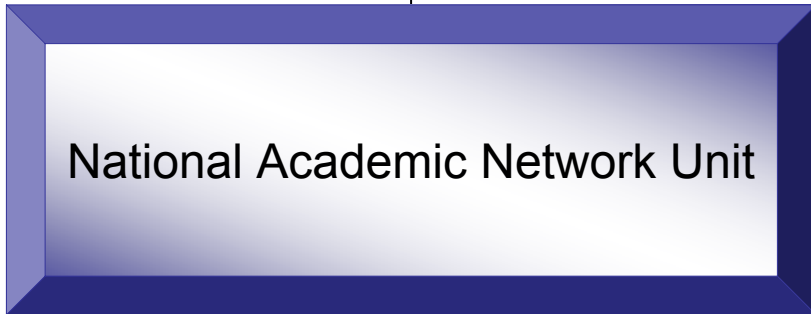
Abbaye de Neumünster, Luxembourg



ULAKBIM



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER





ULAKBIM



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

UlakNet Capacity Upgrade Project

- ◆ Approved by Science and Technology Council in 2000 and started by mid 2002 after the procurement of financial resources by the Ministry of Finance.
- ◆ 3 Gigabit routers and 3 pairs of STM-16 SDH equipment were installed for three Points of Presence (PoP) located in Ankara, Istanbul and Izmir and ATM backbone with capacity of 155M/b was set up between these PoPs.



ULAKBIM



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

- ◆ In December 2002 a 34 Mb/s GÉANT link has been established via satellite and was increased to 155 Mb/s in January 2003.
- ◆ Following the upgrade of almost all the node-to-backbone capacities in March 2003, as an addition to only service supported, which was network access, in UlakNet until that time, some advanced services that are available on GEANT like QoS, Multicast, VoIP and IPv6 were offered in UlakNet infrastructure.



ULAKBIM



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

- ◆ Today UlakNet provides academic connectivity to more than 600 institutions including 75 universities and their faculties.
- ◆ 108 of these institutions are directly connected to the UlakNet backbone with total access capacity of 2.847 Gb/s.
- ◆ The bandwidth of UlakNet available for commodity traffic is 1.5 Gb/s and there is 622 Mbps cable connection to GEANT.
- ◆ A total of 560,000 end users had access to the internet and the research networks.

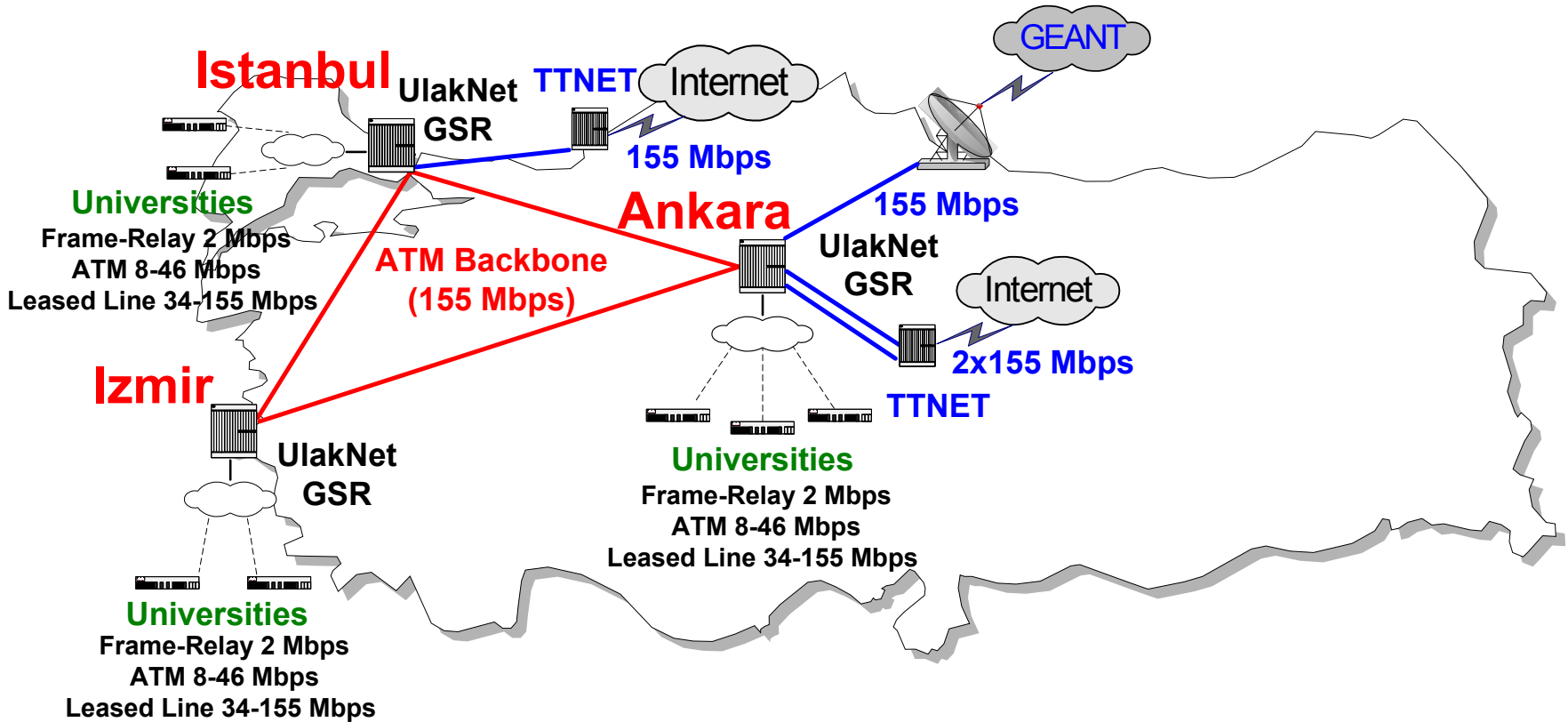


ULAKBIM



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

UlakNet March 2003

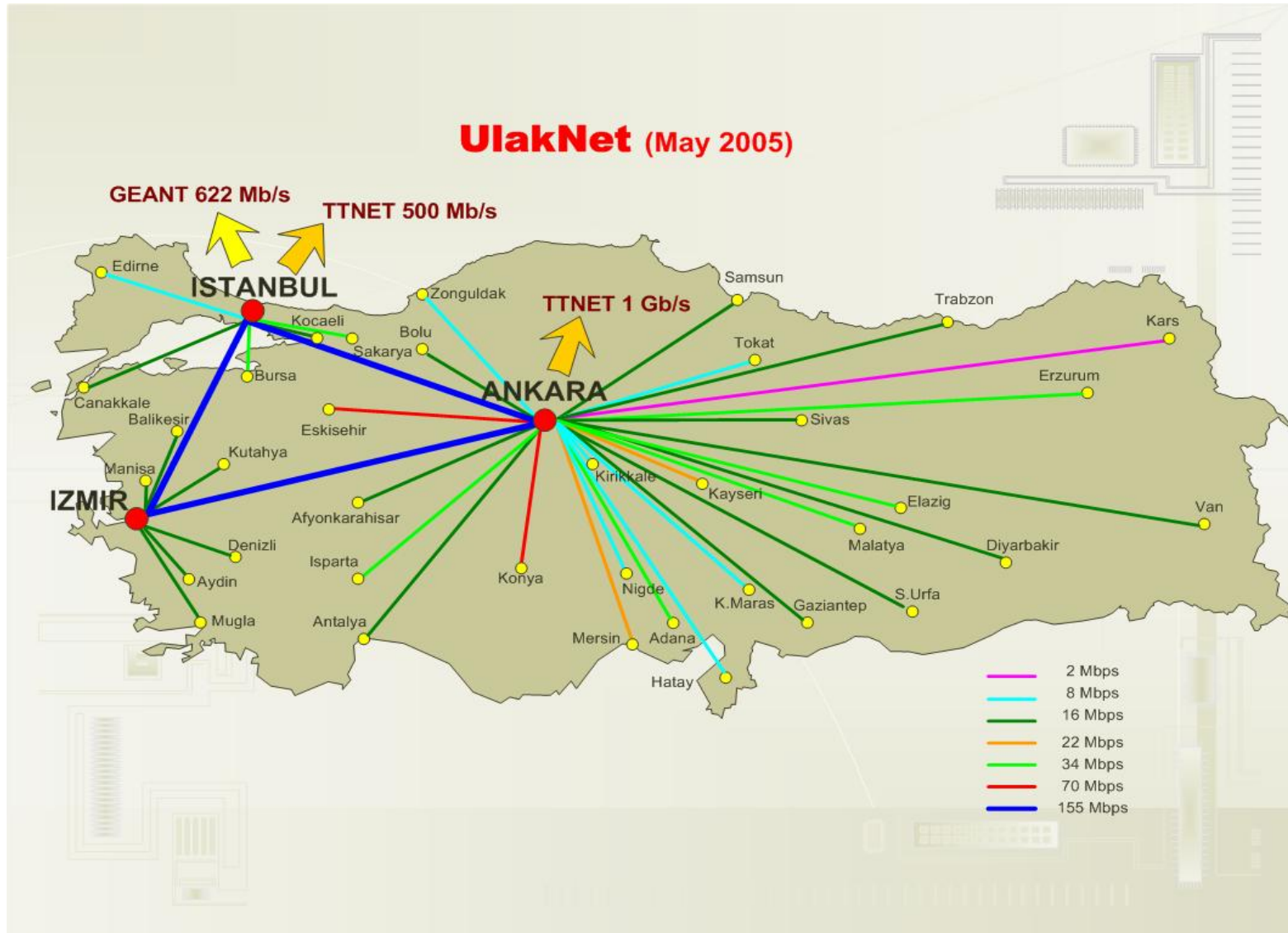




ULAKBIM

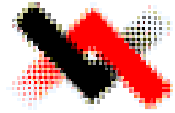


TURKISH ACADEMIC NETWORK AND INFORMATION CENTER



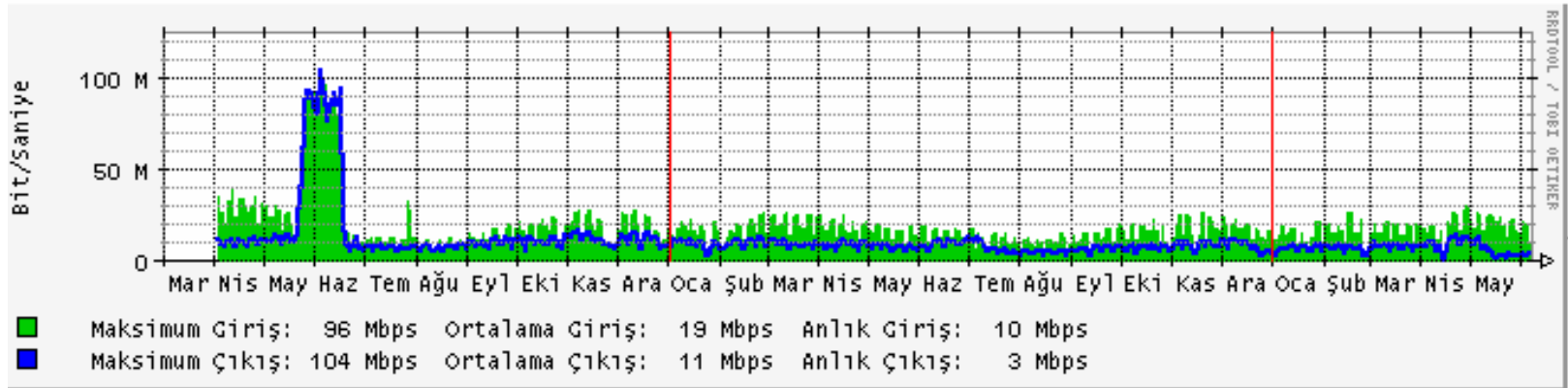


ULAKBIM

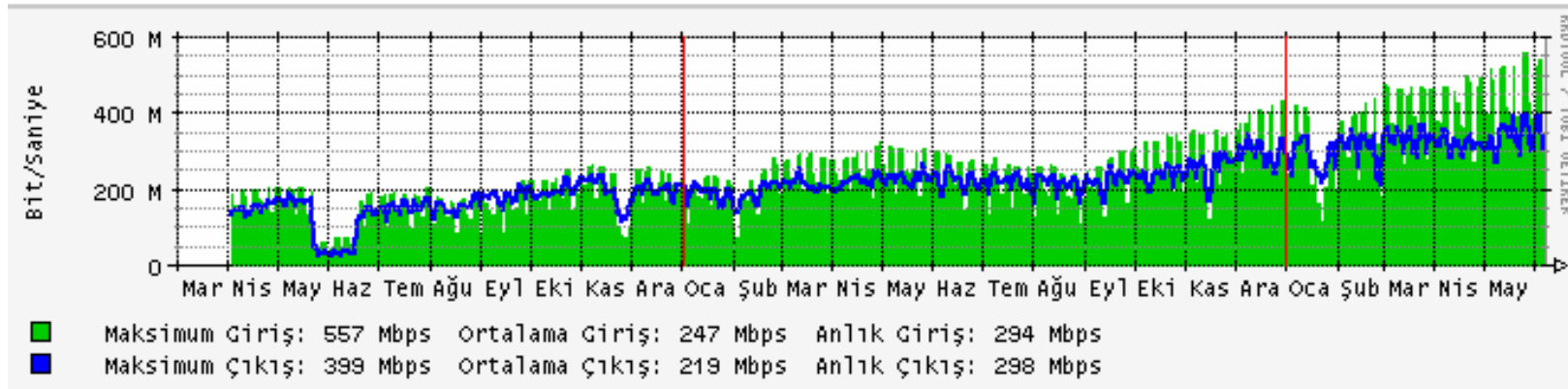


TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

External traffic daily average (June 6, 2005)



GEANT



TTNet