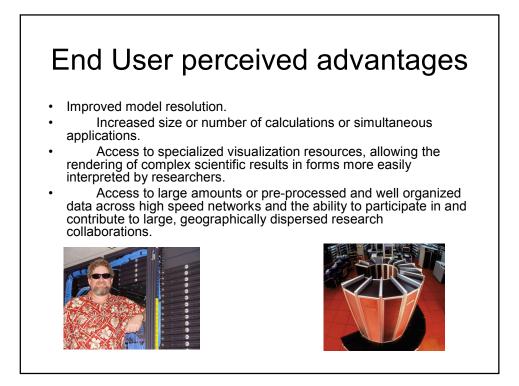
John Bannen Presentation for CSE510B 9-25-2007 From Grid Cookbook : What grids can do for you

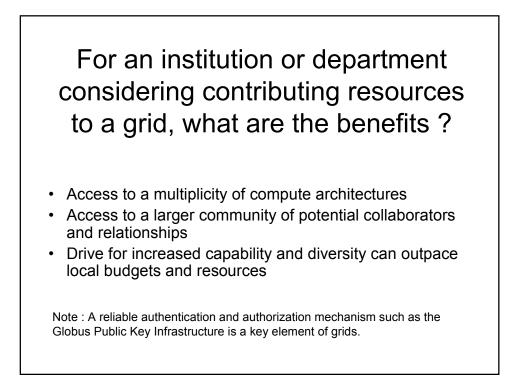


Payoffs and Tradeoffs

Issues relating to participating in a grid.

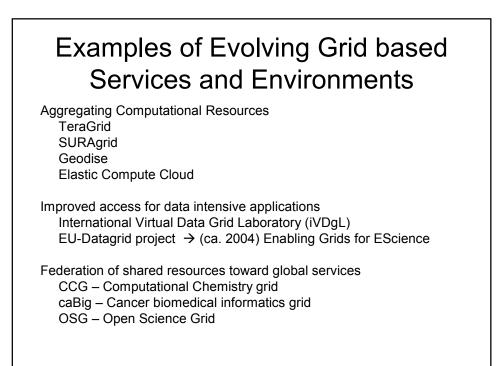


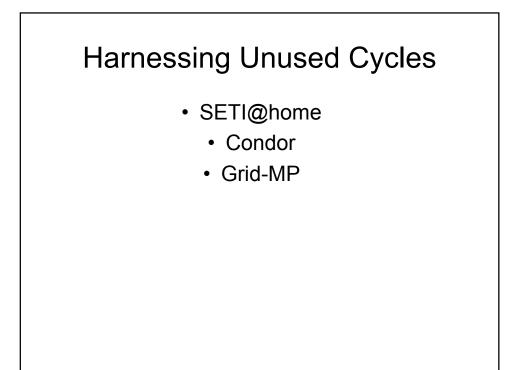


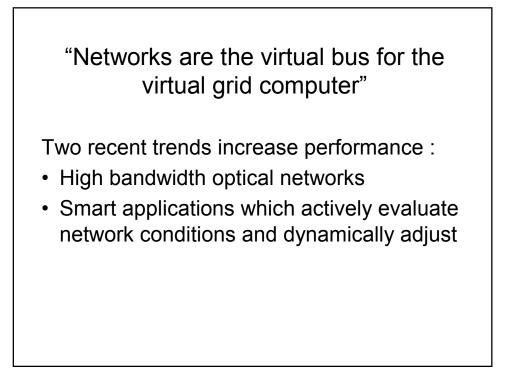


Some factors that help drive the acceptance of grids

- Within an institution, a group may be too small to fund needed resources
- Computing resources may only be needed infrequently
- Sponsoring agencies funding broader collaborations has led to communities of interest, practice, purpose in a particular field







Some projects exploring innovations relevant to the advancement of grid technology :

- Enlightened Computing advanced software and technologies enabling generic software to be aware of and adapt to their network
- Optiputer exploits a new world in which the central architectural element is optical networking not computers – creating supernetworks.
- CANARIE*4 Will connect Canadian research institutions with a 10GB/sec optical network, placing dynamic allocation of network resources in the hands of users

