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ATICS: “Improving bandwidth management is probably the easiest way for universities to improve the quantity and quality of their bandwidth for educational purposes.”

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# Bandwidth management

1. **Monitoring** and **management** of available resource
  2. **Optimisation** of the resource to ensure value for money and fitness of purpose
- Three key groups to ensure success:
    - Executive management
    - Senior implementation management
    - Technical staff involved in the day-to-day implementation

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# Management seminars, training support and information resources to support **bandwidth management and optimisation** capacity development

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# What is available?

- Information briefing packs targeted at senior institutional managers and ICT professionals.
- Policy development workshops and training materials to support the development of supportive policy environments.
- Network traffic monitoring and analysis workshops, training materials and software tools.
- Open source tools and solutions workshops, training materials and software tools.

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# What is available continued...

- Network control and network traffic shaping workshops, training materials and software tools.
- Content caching and filtering and authentication workshops, training materials and software tools.
- Standalone training and documentation resources in bandwidth-friendly Email service provision and scheduled download strategies and techniques.
- Community portal for resource distribution and online information exchange.

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## Institutions and NRENs getting involved

- NRENs (where they exist) could host a regional, national or local seminar or workshop events
- Institutional representatives participating in the seminars or training workshops
- Providing additional support to extend the programme beyond the current funding boundaries
- NRENs would seem ideal holders and facilitators of this information
- Technical partners involved in software tool development

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# When and where?

- Pilot seminars and training have been run in:
  - Zambia with participants from Zimbabwe and Tanzania
- Additional seminars and training will be run at national and local level in:
  - Ethiopia, Ghana, Kenya (February), Malawi, South Africa (January), Tanzania, Uganda, Zimbabwe (April)
- Regional events for francophone Africa:
  - Rwanda, Senegal, Cote d'Ivoire, Congo and at least one other country
- Timetable
  - Provisional dates shown above, invitations are being sent out now for participation in national level activities
  - Expressions of interest are invited

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## Further information ...

- More information on the Bandwidth Management and Optimisation programme can be found in:
  - Blue bandwidth management and optimisation folders available to all participants
  - *Optimising Internet Bandwidth in Developing Country Higher Education*
    - In print and also online: <http://www.inasp.info/pubs> in English, French or Spanish
  - <http://www.inasp.info/training/bandwidth/>
    - More information about the entire support programme, workshops, resources and publications

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# Thank you

Further information on bandwidth management and optimisation:

<http://www.inasp.info/bandwidth/>

The bandwidth management and optimisation programme is supported by:

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