

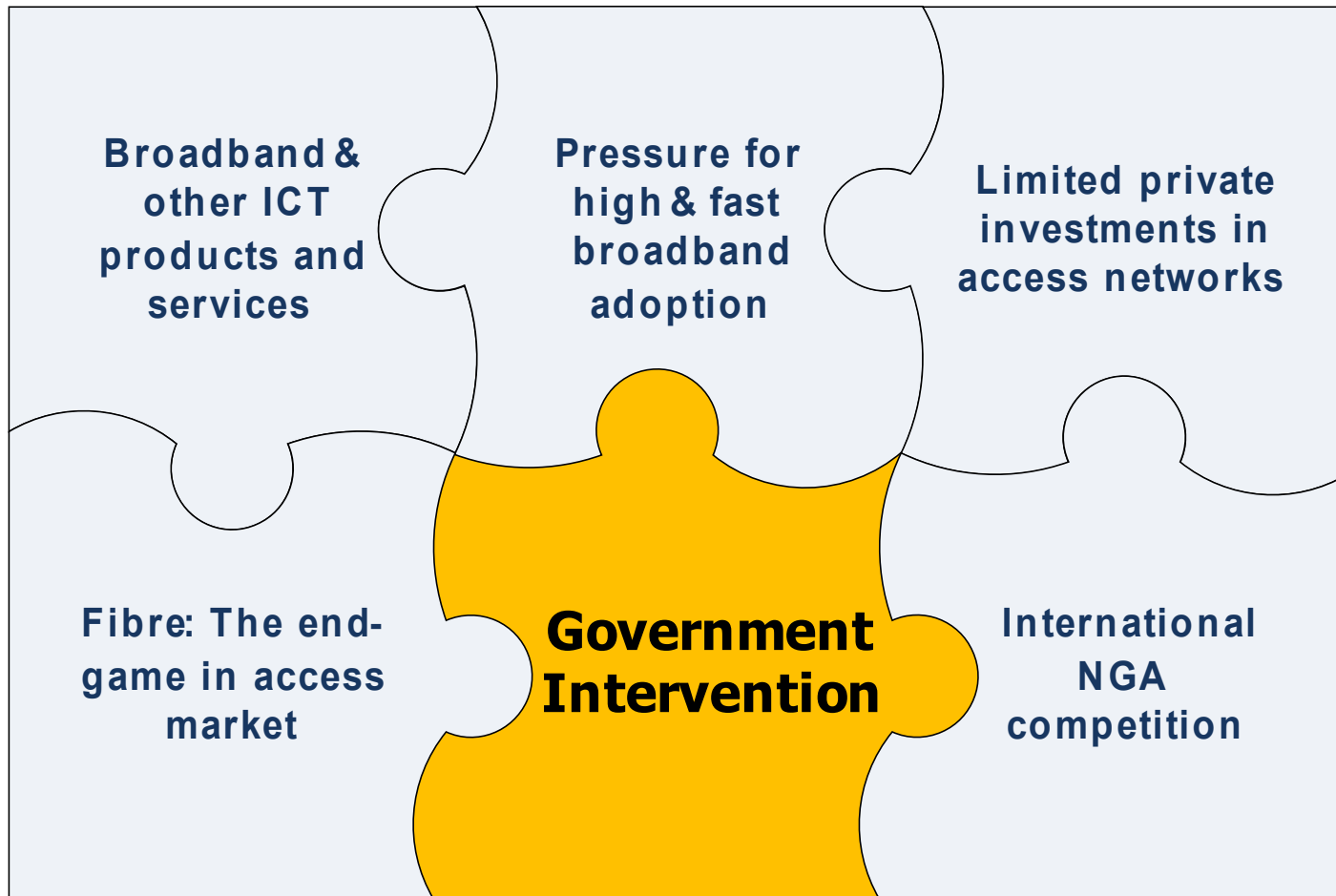
Government's Intervention in NGA: The Challenges for an Information Society for All

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***22 October 2008, Trikala
Broadband Cities 2008***

Why is Government Involved in Next Generation Access?



Fibre Infrastructure Deployments

Recent International Developments (1)



□ Singapore

- FTTH, Open Access
- Downlink speeds up to 1Gbps
- Structural separated infrastructure operator
- Government funding: \$750M
- Universal Service Obligation (USO)
- Project Completion in 2013



□ Australia

- FTTN, Open Access
- Downlink speeds of at least 12Mbps
- 98% population coverage
- Government funding: up to \$4.7bn
- Project execution time: 5 years

Fibre Infrastructure Deployments

Recent International Developments (2)



□ **Finland**

- FTTN
- Paradigm shift: government intervention
- USO: 1Mbps for all by end of 2010
- Plans for 2015: 99% of the population to live within a 2Km distance from an 100Mbps POP
- Public funding: 67%
- Estimated public investment: € 200M



□ **Greece**

- FTTH, Open Access
- 60% population coverage
- Passive infrastructure model
- Government funding: up to € 700M
- Download speeds of at least 100Mbps
- Project execution period: 7 years

Balance Supply & Demand

A Broader Context is Needed



**Increase
Awareness of
Information
Society
Potentials &
Benefits**



**Assist in e-
Skills
Development &
User
Preparedness**






**Stimulate
Demand**



**Encourage
Creation of
Services,
Applications &
Content**

Interventions for Competition & Society

Access Availability	Market Competition	Information for All
Rights of Way	Backhaul Network	Universal Service Obligation
Building Entry	Interconnection & Concentration Points	Private Participation
Leverage on Existing Network Infrastructures	Bitstream & Unbundling Services	Standardization of Electronic Communications Internal Cabling
 Avoid Tragedy of the Commons	 Enhance Wholesale Competition	 Facilitate Social Inclusion

No Information Strategy Fits All

- No single miracle strategy
 - Not at the country level
 - Not at the community level
- Information Society will be greatly affected by local economy concerns
- Broad discussions at the regional level with user participation are required
- Municipalities must assume a stronger, more participative role

The Role of Municipalities

- Adapt national policies to local needs
- Experiment: encourage innovation and provide input for national strategies



Ottawa: customer-owned fiber last mile



Manchester: campaign for greenest UK city

- Improve market monitoring and reporting
- Integrate broadband with other sectors in local economies
- Explore funding opportunities
 - European Regional Development Fund, Social Fund, Cohesion Fund

Conclusions

- ❑ Improve Social Culture towards Information Society
- ❑ Enhance and facilitate the role of municipal authorities
- ❑ Level the playing field for competition
- ❑ Coordinate broadband efforts with other sectors in local economies
- ❑ Improve monitoring and evaluation
- ❑ Plans for Social Inclusion

Thank You

□ Presentation is available at:

<http://www.netmode.ntua.gr>

<http://broadbandprime.blogspot.com>