



# Diffusing Broadband

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# Agenda



- Introduction (Definition)
- Why to diffuse broadband
- Broadband Eco-system
- The 4 main questions.
- Broadband demand Gap
- Role of polices and regulations
- Supply:
- Demand
  - Relevance & Awareness
  - Accessibility
  - Affordability
- OTT & broad band
- Sources

# Broad band



- International Telecommunication Union Standardization Sector defines *broadband* as a “transmission capacity that is faster than primary rate ISDN [Integrated Services Digital Network] at 1.5 or 2.0 [megabits per second]” (ITU 2004, 55).

# Broadband Diffusion

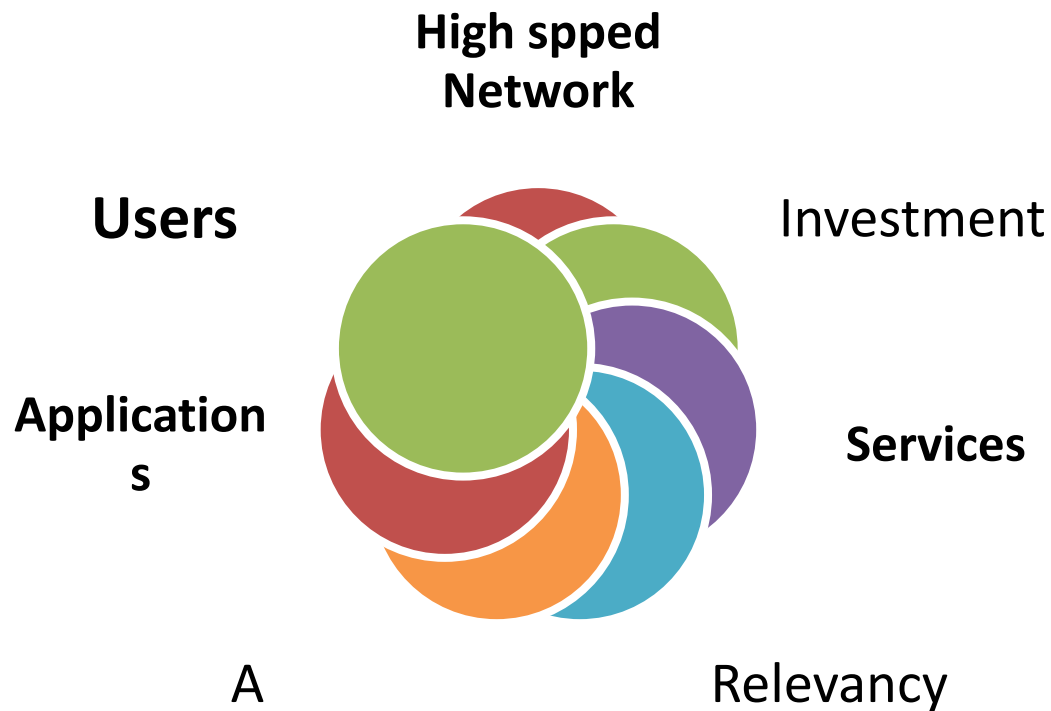


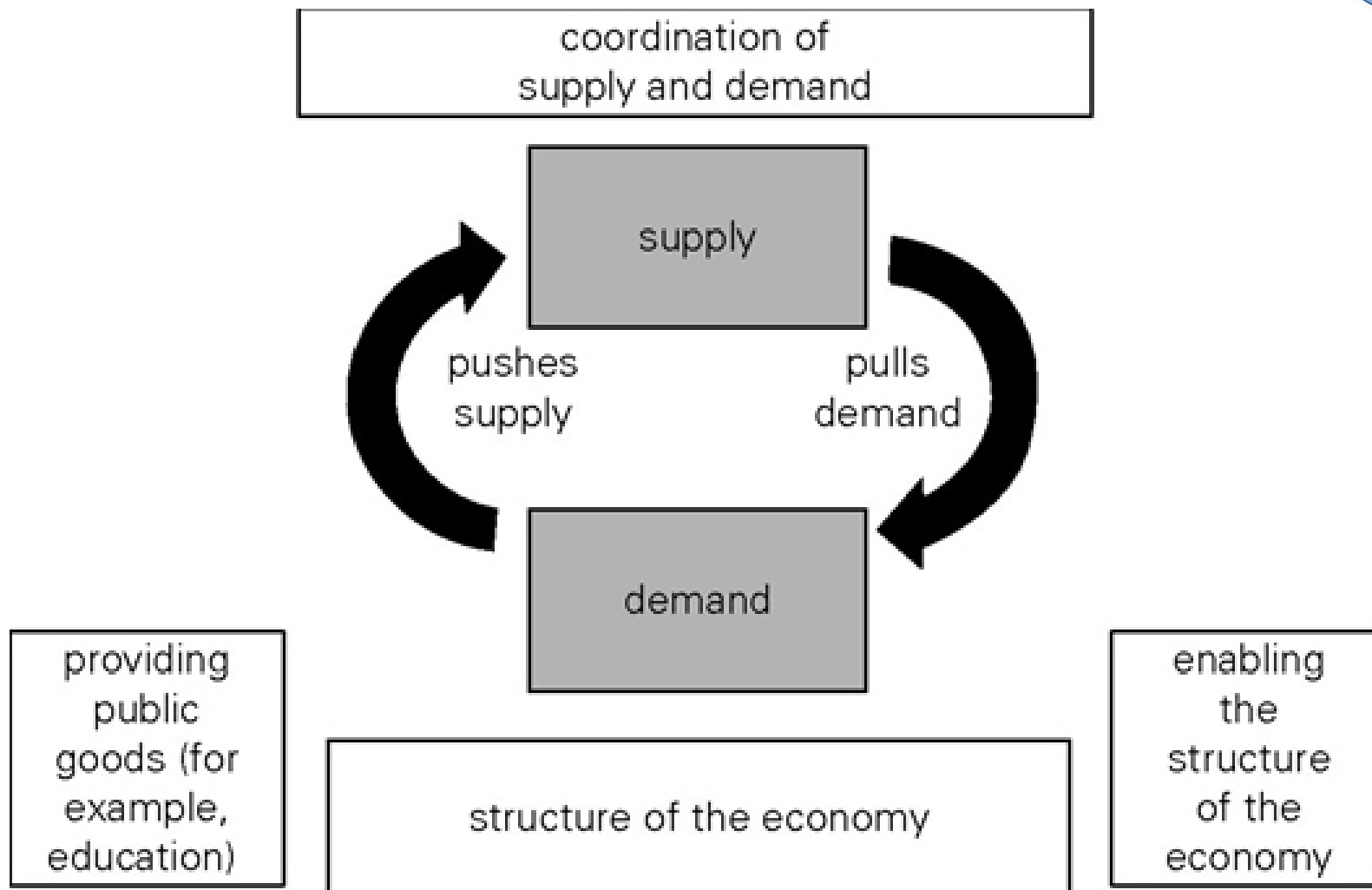
- Broadband is a tool for development
  - Enhance the country use of ICT
  - Increase the transparency
  - Business efficiency
  - Enhance the Digital literacy

# Broadband Eco-system



- broadband is a full eco-system , composed of many Interconnected and dependent factors.
- Network
- Investment
- Services
- Relevancy
- Accessibility
- Affordability
- Application
- Users
- Tieracy





# The 4 Q's



- Is the broadband service available every where?
- Is the the service accessible for every body ?
- Is it affordable ?
- Are the people find it relevant ?

# Broadband demand Gap



- Reasons for gap ?
- Measuring the gap:
  - The demand Gap = the Population coverage - penetration

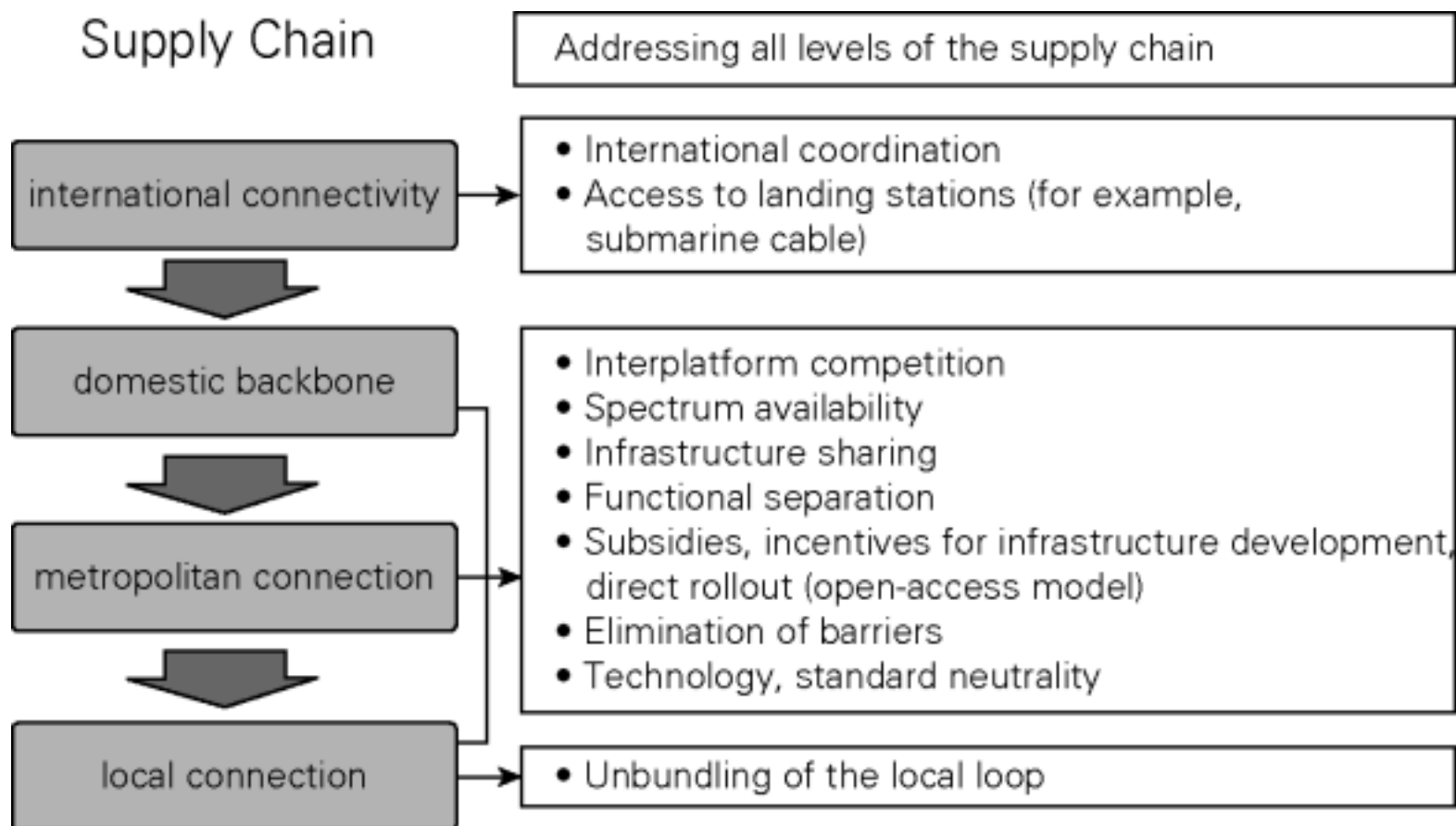


# Key roles of polices and regulations



- Maximizing competition, including removing entry barriers and improving the incentives and climate for private investment.
- Specific public programs with funding interventions only to promote the growth of certain underdeveloped markets.
- Government funding or policy should not compete with private sector investment.
- Subsidized networks should be open access (that is, they should offer capacity or access to all market participants in a nondiscriminatory way).
- Government should eliminate barriers to content creation and refrain from blocking access to content, including social networking sites, or restricting local content creation.

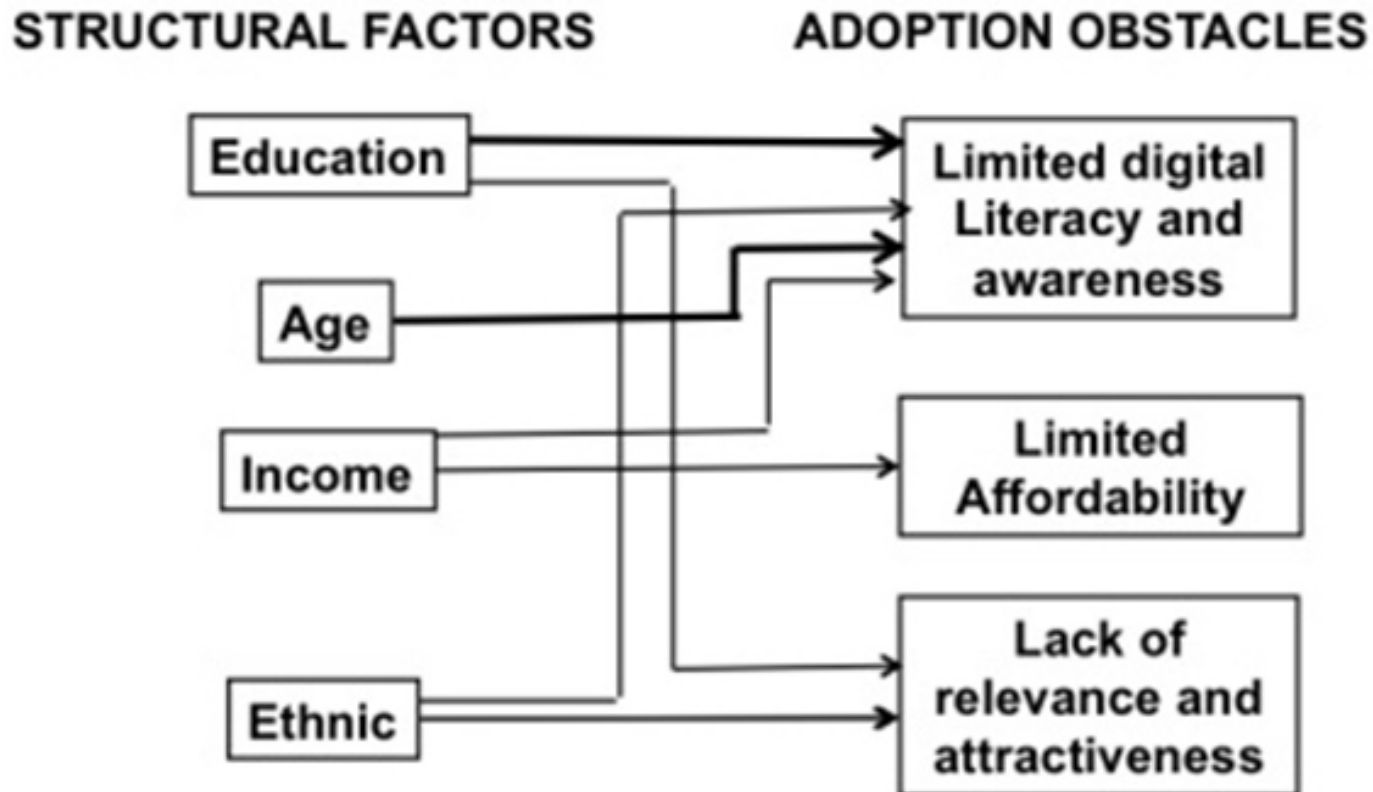
# Broadband Supply



# Broadband Demand



- Accessibility & Affordability
- Relevance, Awareness and digital literacy



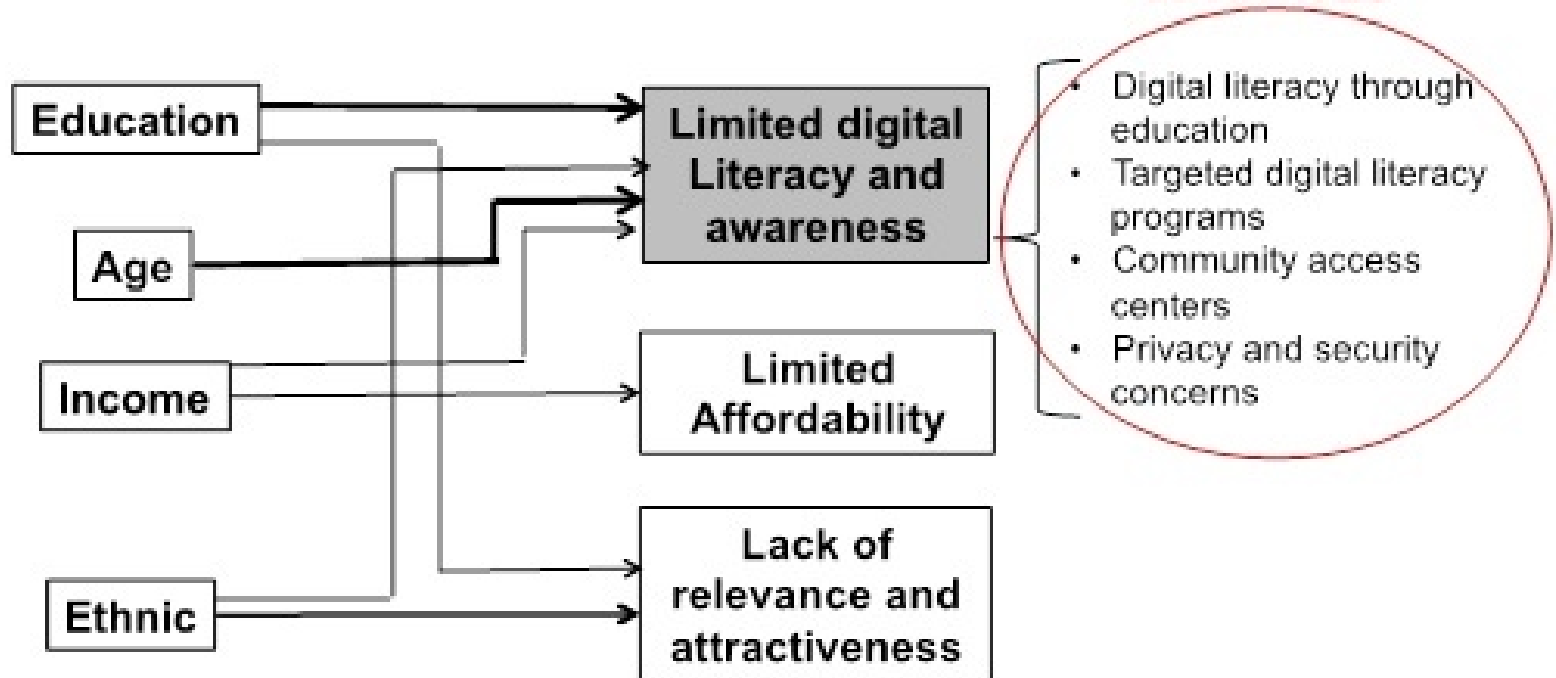
# Demand - Awareness



## STRUCTURAL FACTORS

## ADOPTION OBSTACLES

## AWARENESS INITIATIVES



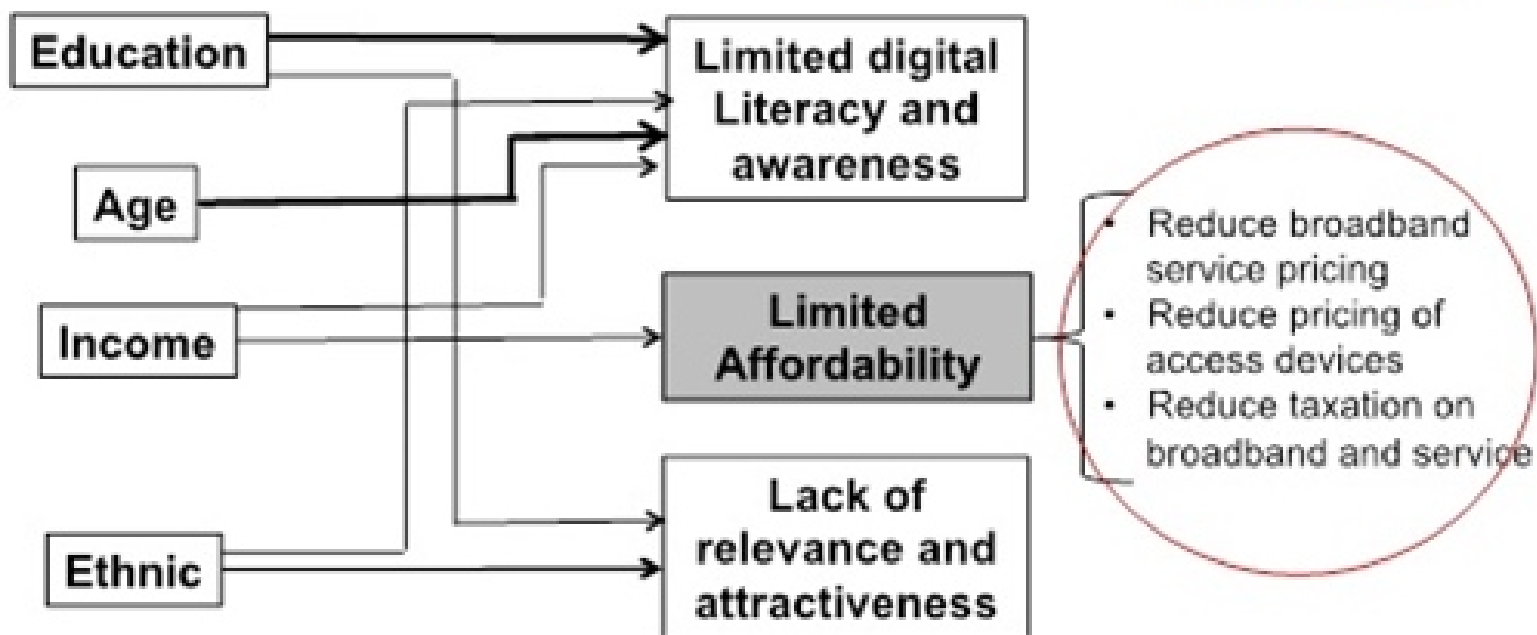
# Demand -Affordability



## STRUCTURAL FACTORS

## ADOPTION OBSTACLES

## AFFORDABILITY INITIATIVES



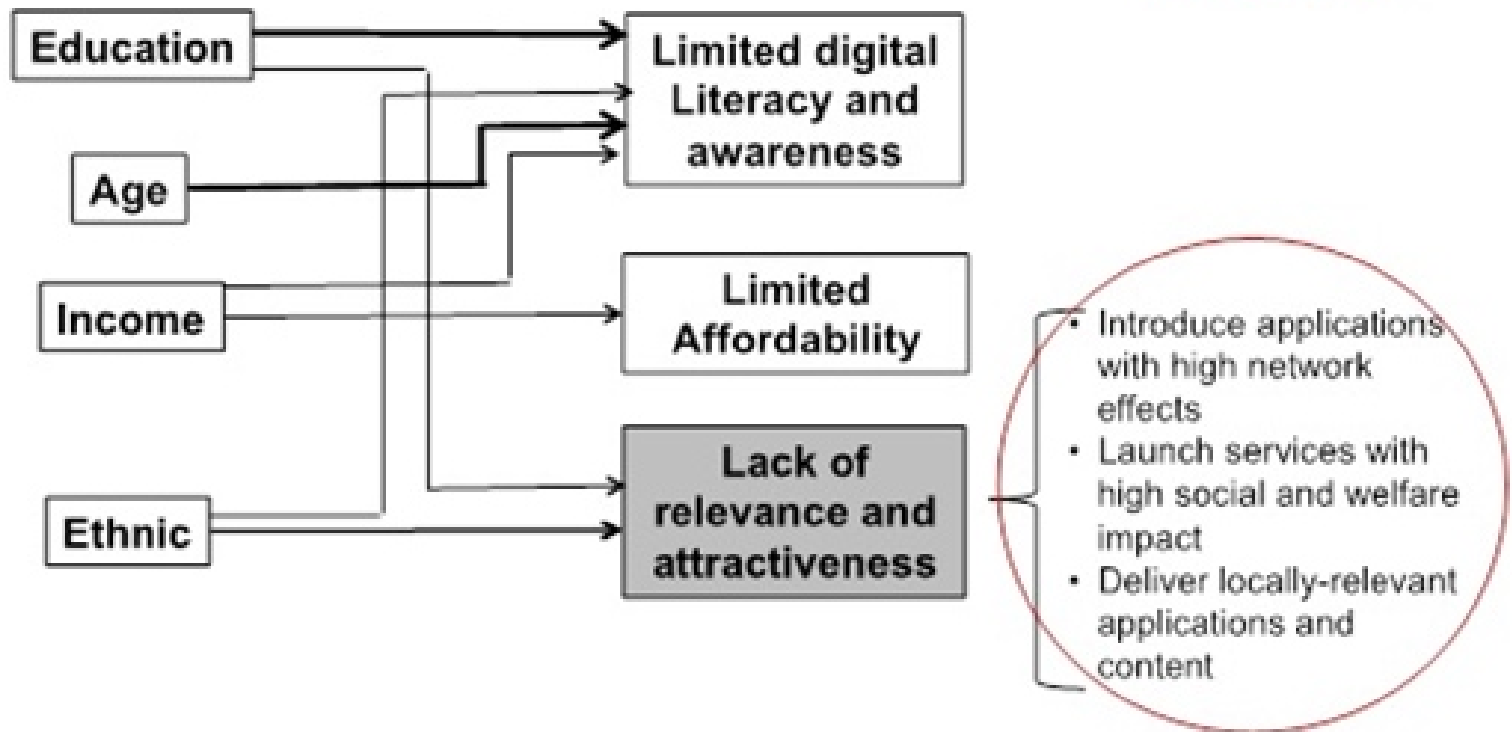
# Demand -Developing applications



## STRUCTURAL FACTORS

## ADOPTION OBSTACLES

## RELEVANCE INITIATIVES



# Demand -Integrated E -Services



- E-government
- Online payments & banking ,
- Online business services (shopping ,  
merchandising,
- Social Media
- Other services

# National Broadband diffusion programs



- Assure the program as Government mandate.
- Define the stake holders
- Creating the national broadband assembly.
  - Create the vision
  - Define the measures and it's targets.
  - Get the stakeholders involved
  - Create the program steering team.
  - Draw the detailed broadband roadmap
  - Assure awareness and demand stimulation programs as part of the plan.



# Bibliography



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Thanks