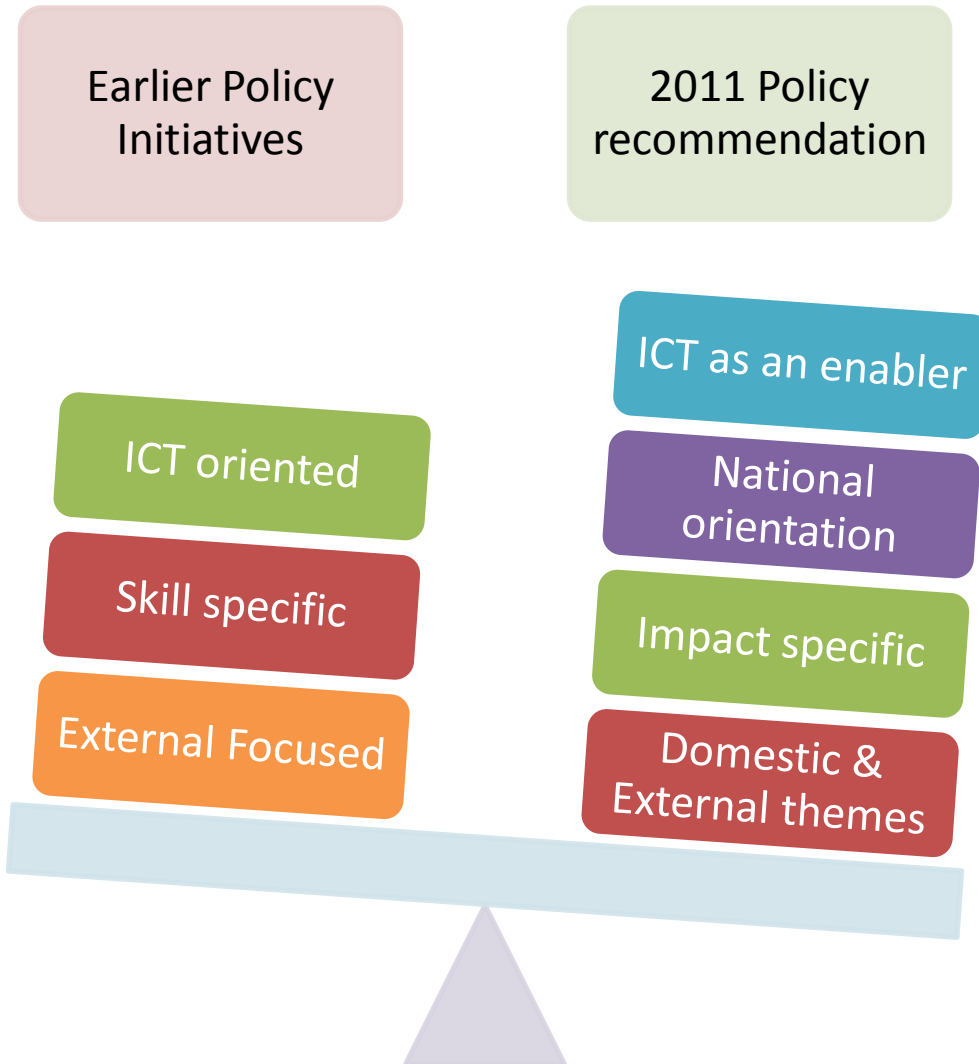


National ICT Policy Recommendations

A different orientation



National Themes

Education

- Primary
- Secondary
- Skill Development
- Professional
- Polish
- Language

Agriculture

- Markets
- Prices
- Financing
- Weather
- Water
- Yield Improvement

Health

- Maternal Mortality
- Child Mortality
- Tele-Medicine
- Data collection
- Epidemic Management

Governance

- Transparency
- Corruption
- Security
- Law & Order
- Citizen Journalism

Entrepreneurs

- Ease of starting a business
- Training
- Reducing cost of Failure
- First trials
- Societal Mindset

Empowerment

- Gender Positive
- Diversity
- Working with disability
- Language
- Localization

Industry Themes

Infrastructure

- Technology Parks
- Commercial Broad Band
- Cost of Bandwidth
- Law & Order
- Energy & Power
- Connectivity

Finance

- IPR as an Asset
- Bank Credit against technology work in progress
- SME Program lending
- Venture and Risk Capital

Legislation

- IPR
- Privacy
- Data Protection
- Transparency
- Cyber Crimes
- Contract Enforcement

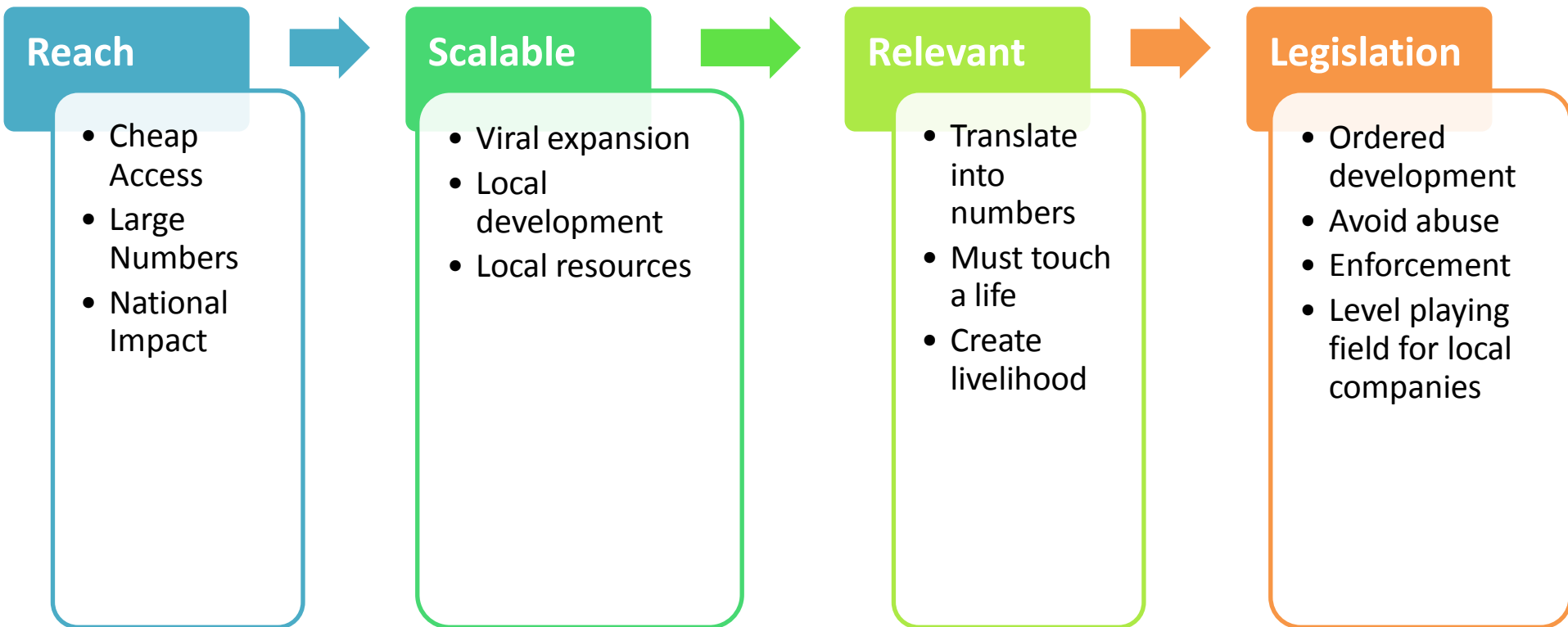
Resources

- Talent Pool
- Training
- Soft Skills
- Retention
- Project Management
- Student enrollment
- Participation

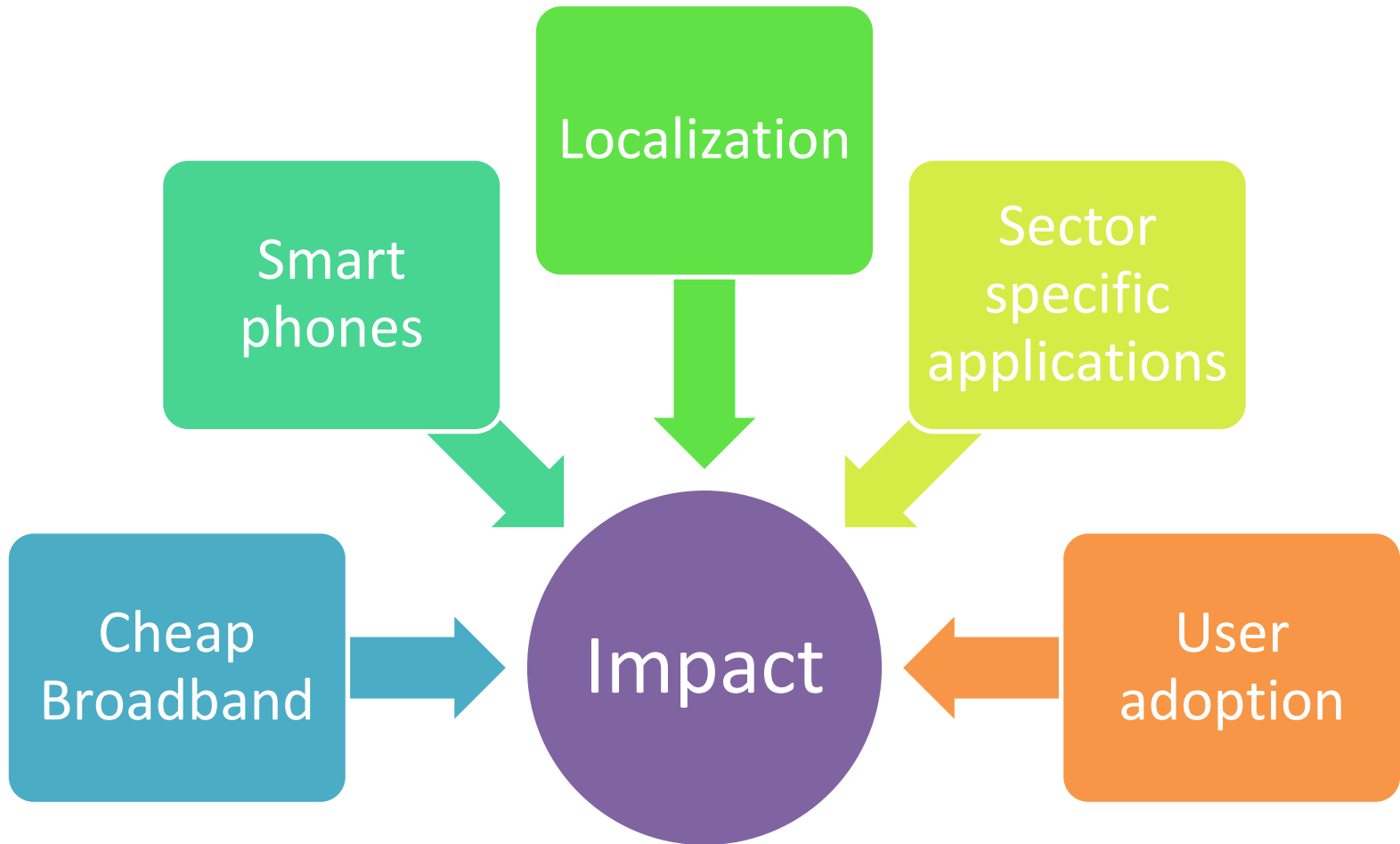
Media

- Marketing
- National Image
- Travel Advisory
- Ease of doing business
- Security

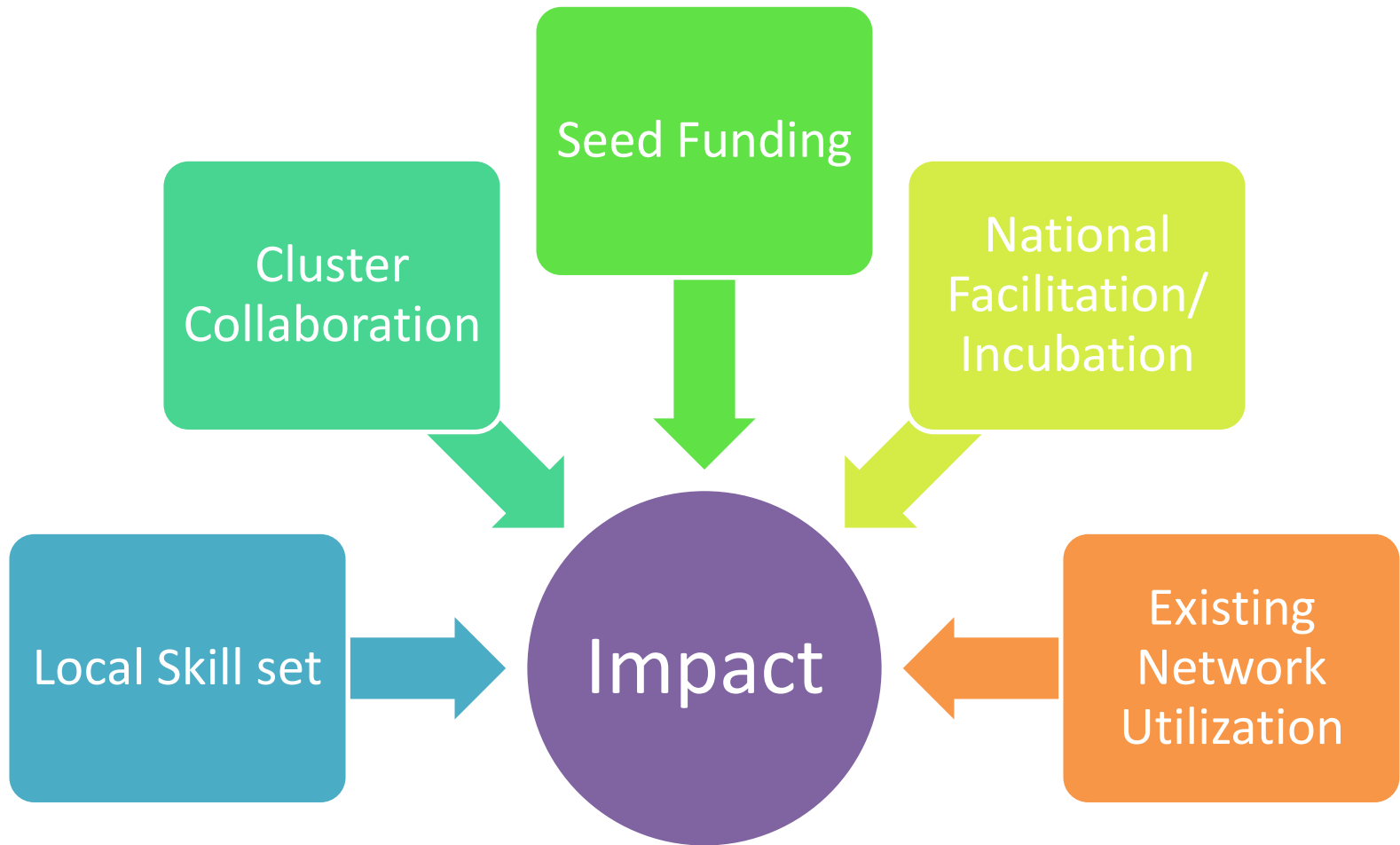
Policy Pillars



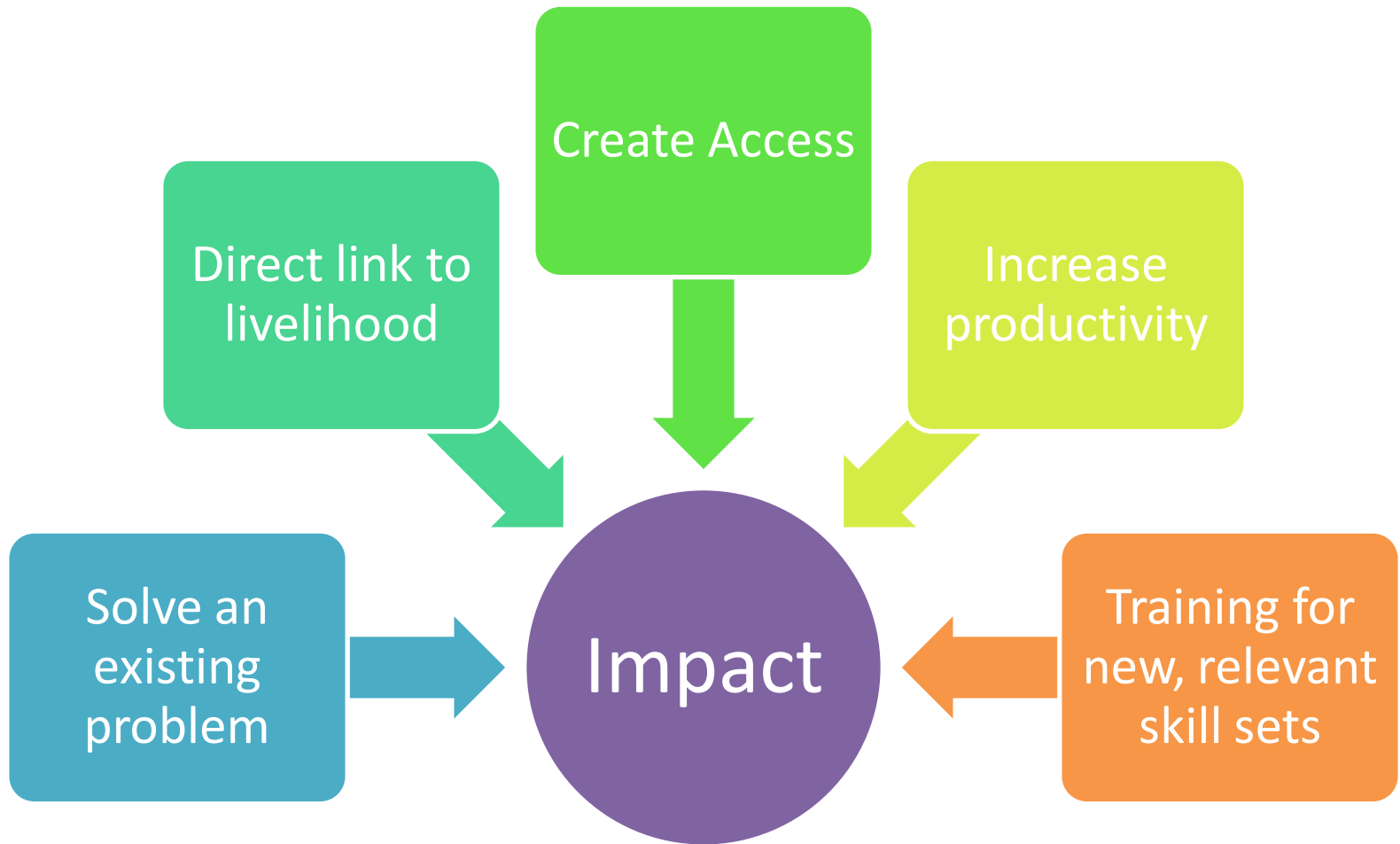
Pillars - Reach



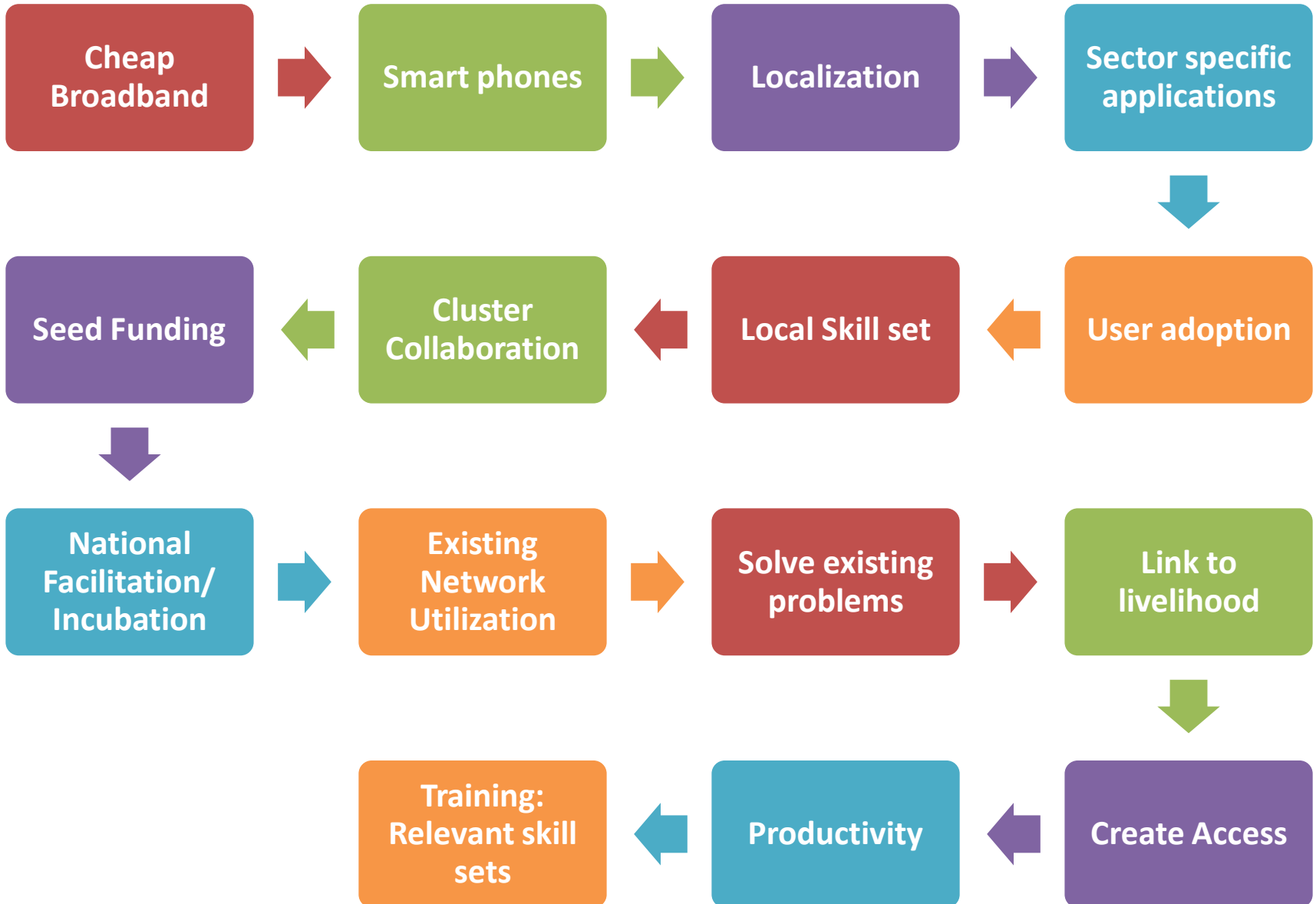
Pillars - Scalable



Pillars - Relevance



Action Plans

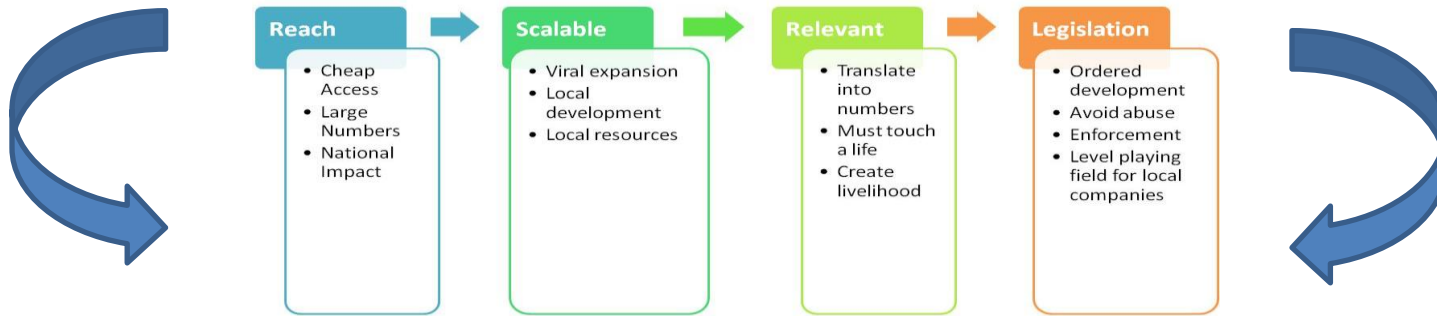


Education	Agriculture	Health	Governance	Entrepreneurs	Empowerment
<ul style="list-style-type: none"> Primary Secondary Skill Development Professional Polish Language 	<ul style="list-style-type: none"> Markets Prices Financing Weather Water Yield Improvement 	<ul style="list-style-type: none"> Maternal Mortality Child Mortality Tele-Medicine Data collection Epidemic Management 	<ul style="list-style-type: none"> Transparency Corruption Security Law & Order Citizen Journalism 	<ul style="list-style-type: none"> Ease of starting a business Training Reducing cost of Failure First trials Societal Mindset 	<ul style="list-style-type: none"> Gender Positive Diversity Working with disability Language Localization

Infrastructure	Finance	Legislation	Resources	Media
<ul style="list-style-type: none"> Technology Parks Commercial Broad Band Cost of Bandwidth Law & Order Energy & Power Connectivity 	<ul style="list-style-type: none"> IPR as an Asset Bank Credit against technology work in progress SME Program lending Venture and Risk Capital 	<ul style="list-style-type: none"> IPR Privacy Data Protection Transparency Cyber Crimes Contract Enforcement 	<ul style="list-style-type: none"> Talent Pool Training Soft Skills Retention Project Management Student enrollment Participation 	<ul style="list-style-type: none"> Marketing National Image Travel Advisory Ease of doing business Security

National Themes

Industry Themes



Policy Pillars



Pillar specific roadmap

Life cycle stage specific needs

2- 5 headcount

- Mentoring
- Templates
- Incubation facilities
- Business Development Opportunities

6 – 25

- Recruitment
- Low cost integrated expansion space
- Contracting and legal
- Equipment Financing

26 – 100

- Scale
- Growth & Expansion
- Space & Infrastructure
- Middle Management Development

100+
headcount

- Sustainable growth
- Investor support
- Custom operational facilities
- Resource training

Industry specific needs

Marketing

- Image Building
- Product packaging
- Pricing

Financing

- Valuing IPR and using it as collateral
- Cash flow financing from local banks

Office Space

- Custom integrated space for technology companies in major cities

International Expansion

- Regional Expansion
- Foot print providers
- Pakistan Image and Perception

Domestic markets

- Local Import substitution
- Telecom and Banking sector contracts

Work in Progress

ACTION PLAN & MONITORING

What in it for us?

- New jobs (not just cities)
- Enrollment and Quality of graduating students
- Women participation
- Adult Literacy & Functional contribution
- Increase GDP per Capita
- Child & maternal mortality

What in it for us? Goals for the next decade

New jobs (not just cities)

Enrollment and Quality of graduating students

Women participation

Adult Literacy & Functional contribution

Increase GDP per Capita

Child & maternal mortality

What in it for us?

New jobs (not just cities)

- 250,000

Enrollment and Quality of graduating students

- From 10% - 50%

Women participation

- From 13% - 25%

Adult Literacy & Functional contribution

- 25% across, 50% in rural

Increase GDP per Capita

- 20% - 25% across

Child & maternal mortality

- 25% reduction

Reach – Action Items

Cheap Broadband

- Rates
- Policy recommendation – upgrade the definition of broadband every year

Smart phones

- Timeline
- Applications
- Policy recommendation – Educational, Language, Agri productivity apps

Localization

- Language
- Context
- Dubbing, translation, sub-titling and close captioning shops and resources

Sector specific applications

- Domain
- Usage & Collaboration
- Content and Value added services

User adoption

- Marketing
- Training, Reach

Scalability – Action Items

Local Skill set

Cluster Collaboration

Seed Funding

National Facilitation/
Incubation

Existing Network
Utilization

Relevance – Action item

Solve an existing problem

Direct link to livelihood

Create Access

Increase productivity

Training for new, relevant skill sets