

Appendix 5: Bangalore Workshop Questionnaires

Questionnaires were distributed to workshop participants and other select professionals in advance of the Bangalore Workshop to aid in structuring discussions and creating a Discussion Note (which was also circulated in advance of the Workshop). Dozens of responses were received, and these helped form many of the thematic group challenges and barriers presented in the Thematic Groups chapter of the Report.

Questionnaire for Infrastructure and Human Development (Energy, Water & Sanitation, Transportation, Education, Healthcare)

Note: The workshop website (<http://www.cs.cmu.edu/~rtongia/itsd.htm>) gives information on the Workshop agenda and on ICT status and development. We give below a template to receive your advice on what you see as the challenges in your sector, and how ICT can respond to these.

Please copy this template if you are interested in responding to more than one sector.

(The tables below will expand as you type.)

Name:

Affiliation:

Contact Information

email:

fax:

Sector of Interest: _____

1. What do you find are the six developmental challenges relevant to this sector (in decreasing order of importance)?

It would help if your response addresses the following dimensions pertinent to the sector: availability, access, affordability and, quality.

Areas	Challenges
1	
2	
3	
4	
5	
6	

2. What do you see as the barriers in solving the challenges mentioned above (such as political, institutional, financial, technological, social and behavioral barriers)?

Challenges	Barriers	How they affect the issues?
1		
2		
3		
4		
5		
6		

3. Based on the description of the IC technologies provided (and others that you are aware of), are appropriate ICT available for these tasks? If not, what developments you think are needed in IC technologies for this sector?

Barriers	ICT availability	Developmental needs in ICT
1		
2		
3		
4		
5		
6		

4. Do you know of any ongoing ICT-enabled programs in this sector and what are your observations?

Area	ICT enabled program	Organization	Comments/Observations
1			
2			
3			
4			
5			
6			

5. What supporting infrastructure, institutions, or user-skills do you feel are required or need to be improved? Please prioritize the changes required (such as institutional, social, financial, technological etc.) to ensure rapid deployment of ICTs in this sector.

Changes or improvements required
1
2
3
4
5
6

6. Do you have other suggestions on what you want from ICT?

1
2
3
4

Many thanks. Please email your response to vsa@cmu.edu and with a copy to tongia@cmu.edu by December 10, 2003. If you wish to fax, please send this to: +1(435) 518 9710 (email is preferred).

Questionnaire for Information Communication Technologies for Agriculture (Food, Fiber and Fisheries)

*Note: The workshop website (<http://www.cs.cmu.edu/~rtongia/itsd.htm>) gives information on the Workshop agenda and on ICT status and development. We give below a template to receive your advice on what you see as the challenges in agriculture, and how ICT can respond to these.
(The tables below will expand as you type.)*

Name: _____ Affiliation: _____
Contact Information email: _____ fax: _____

1. What six major challenges do you see in the agricultural sector in developing countries (in decreasing order of importance)?

It would help if your response addresses the following dimensions: environmental, resource (land, water, other inputs), consumption patterns and demand, trade and market.

Areas	Challenges
1	
2	
3	
4	
5	
6	

2. What do you see as the barriers in solving the challenges mentioned above (such as political, institutional, financial, technological, social and behavioral barriers)?

Challenges	Barriers	How they affect the issues?
1		
2		
3		
4		
5		
6		

3. Based on the description of the IC technologies provided (and others that you are aware of), are appropriate IC technologies available for these tasks? If not, what developments are needed in IC technologies for agriculture?

ICT availability (ref. Q1)	Barriers	Developmental needs in ICT
1		
2		
3		
4		
5		
6		

4. Do you know of any ongoing ICT-enabled programs in agriculture, and what are your observations?

Area	ICT enabled program	Organization	Comments/Observations
1			
2			
3			
4			
5			
6			

5. What supporting infrastructure, institutions, or user-skills do you feel are required or need to be improved? Please prioritize the changes required (such as institutional, social, financial, technological etc.) to ensure rapid deployment of ICTs in this sector.

Changes or improvements required
1
2
3
4
5
6

6. Do you have other suggestions on what you want from ICT?

1
2
3
4

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Questionnaire for Employment Generation and Poverty Reduction

Note: The workshop website (<http://www.cs.cmu.edu/~rtongia/itsd.htm>) gives information on the Workshop agenda and on ICT status and development. We give below a template to receive your advice on what you see as the challenges in employment generation and poverty reduction, and how ICT can respond to these. (The tables below will expand as you type.)

Name:

Affiliation:

Contact Information

email:

fax:

(I) Employment Opportunities in ICT

1. What skillsets do you consider necessary for ICT employment (in decreasing order of importance)?

Skillset
1
2
3
4
5

2. What skillsets are available in your country for ICT employment and what are missing?

Skillset	Availability	
	Urban	Rural
1		
2		
3		
4		
5		

3. What are the barriers to acquiring these skillsets?

Barriers to acquiring (Ref. Q1)
1
2
3
4
5

4. What are your suggestions to overcome these barriers?

Overcoming skillset barriers (Ref. Q3)
1
2
3
4
5

5. What resources are required to develop these skillsets? Do you have any suggestions for for country developing these skillsets (e.g., bilateral agreements including south-south, technology transfer, specialized academies, etc.)?

Skillset	Resources Required
1	
2	
3	
4	
5	

Skillset	Method of Developing
1	
2	
3	
4	
5	

(II) Employment Opportunities enabled by ICT

1. What sectors of your economy can benefit in the short term from ICT applications?

1
2
3
4
5

2. What sectors of the economy are currently benefiting from ICT? What organizations use ICT, and what types of ICT are being used? Do you have any further details or insights into any specific projects?

Area	ICT enabled program	Organization	Comments/Observations
1			
2			
3			
4			
5			

3. What sectors do you see opportunities to expand and develop markets through ICT?

1
2
3
4
5

4. What are the barriers to the use of ICT in these sectors (Ref. Q3 above)?

1
2
3
4
5

5. What are your suggestions to overcome these barriers in these sectors?

1
2
3
4
5

6. What suggestions do you have for making ICT more relevant for employment addressing national needs?

1
2
3
4
5

7. Do you have other suggestions on what you want from ICT?

1
2
3
4
5

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Questionnaire on the Role of ICT in Governance and Empowerment

Note: The workshop website (<http://www.cs.cmu.edu/~rtongia/itsd.htm>) gives information on the Workshop agenda and on ICT status and development. We give below a template to receive your advice on what you see as the challenges in the area of governance and empowerment, and how ICT can respond to these. (The tables below will expand as you type.)

Name:

Affiliation:

Contact Information

email:

fax:

1. Where do you think ICT can play a positive role in governance? Are you aware of any specific IC Technology that can enhance citizen empowerment?

IC Technology	Governance / Empowerment Role
1	
2	
3	
4	
5	

2. What are the barriers to implementing IC Technologies in governance?

1
2
3
4
5

3. What are your suggestions to overcome these barriers?

1
2
3
4
5

4. How do you see the role of ICT in empowering women? What initiatives do you recommend for such empowerment?

ICT Role	Initiatives
1	
2	
3	
4	
5	

5. How can we bridge the divide between ICT haves and have-nots? Do you have any specific suggestions for ensuring the “first-movers” do not increase their advantage?

Bridging the Divide	Suggestions and Comments (incl. 1 st mover)
1	
2	
3	
4	
5	

6. Can you suggest ways ICT can help improve transparency and reduce transaction costs/corruption (in decreasing order of importance)?

1
2
3
4
5

7. Please list (in decreasing order of importance) the areas where ICT can most help (e.g., voter registration, health records, land records, taxes, driver licensing, etc.)

1
2
3
4
5

8. Do you have other suggestions on what you want from ICT?

1
2
3
4
5

Many thanks. Please email your response to vsa@cmu.edu and with a copy to tongia@cmu.edu by December 10, 2003. If you wish to fax, please send this to: +1(435) 518 9710 (email is preferred).