

# Trends in Mobile Technology and Its Implications for Education: Asia-Pacific

The First UNESCO Symposium on Mobile Learning  
15-16 December 2011, Paris

**Jonghwi Park**

Programme Specialist, ICT in Education

**Ichiro Miyazawa**

Programme Specialist, APPEAL

UNESCO Bangkok, Asia and Pacific Regional Bureau for Education



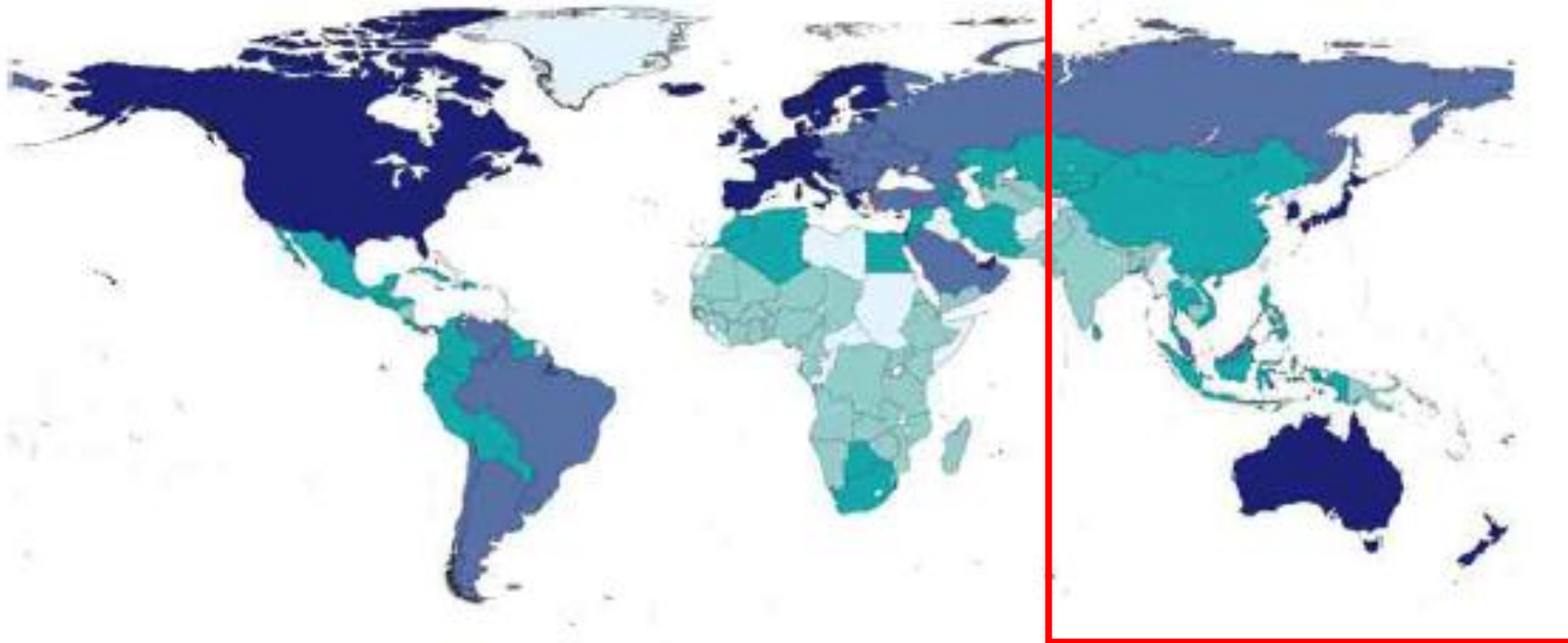
# Outline

- I. Trends in Mobile Technology
- II. Promising Cases: M-Learning for EFA in the Asia-Pacific Region
- III. UNESCO Bangkok's Response
- IV. Conclusions



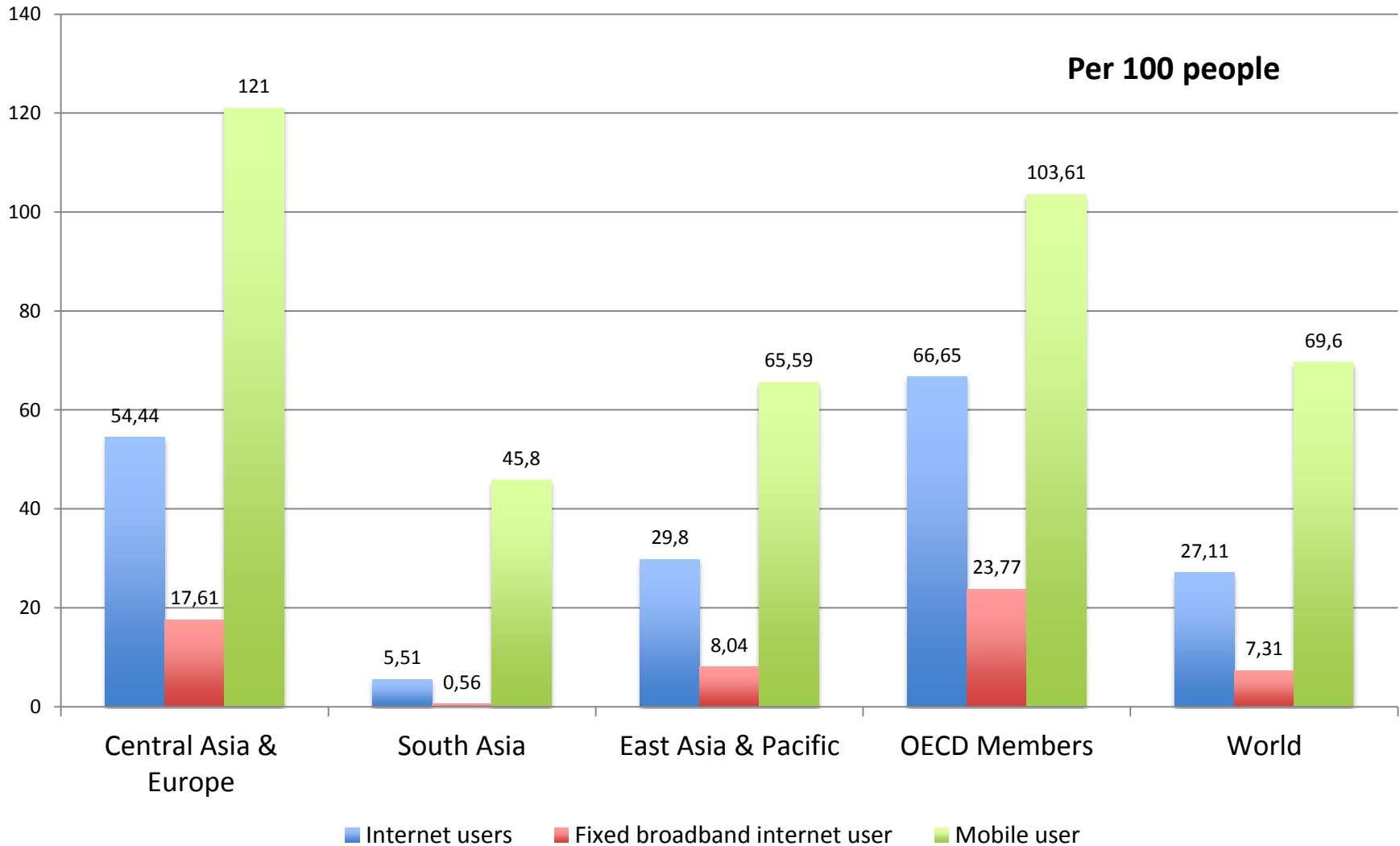
United Nations  
Educational, Scientific and  
Cultural Organization

# ICT Development Index



ICT Development Index value 2010

- No Data
- Low 0-2.55
- Medium 2.55-4.05
- Upper 4.05-6.05
- High 6.05 and above

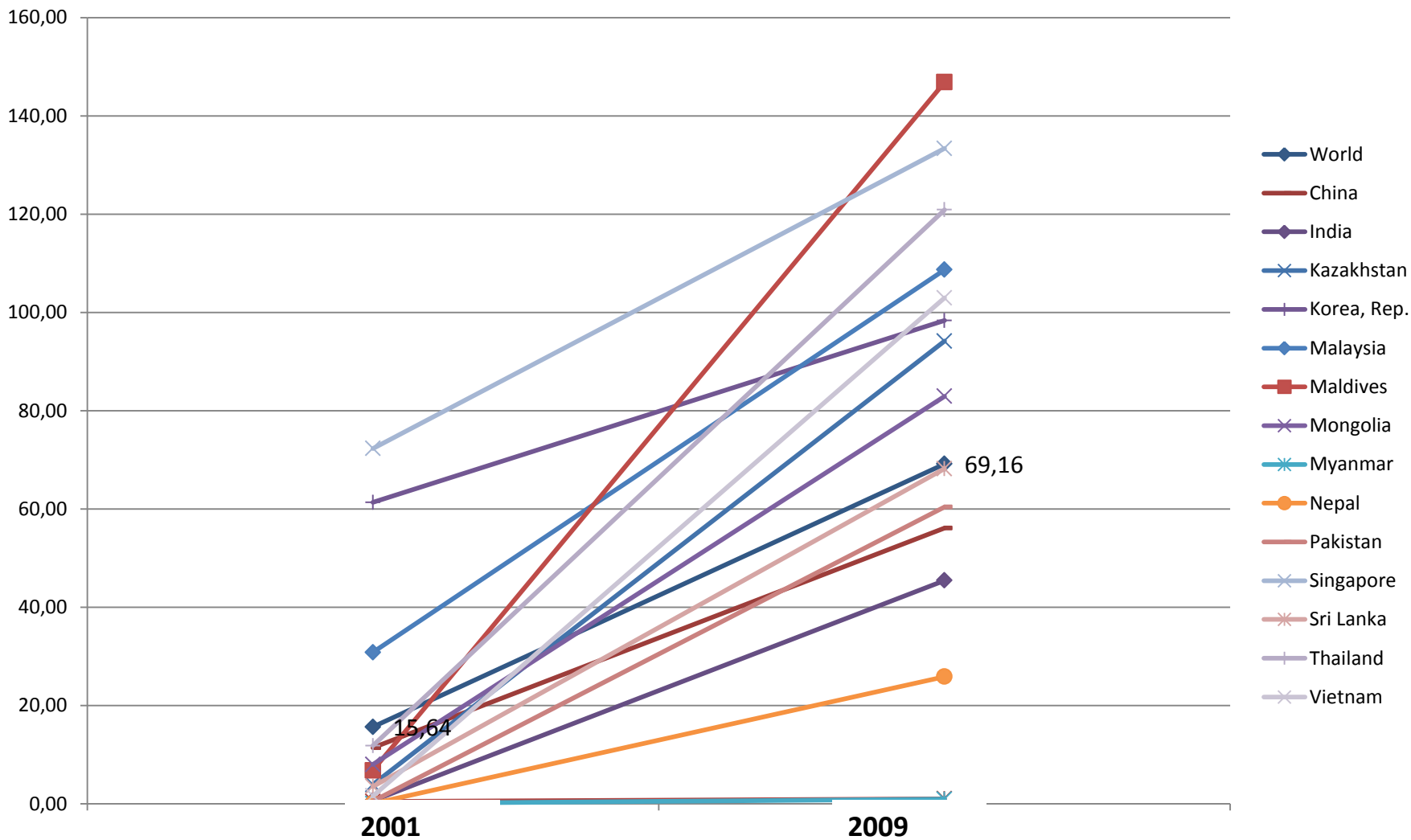


Source: International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates. (<http://data.worldbank.org/indicator/>)



United Nations  
Educational, Scientific and  
Cultural Organization

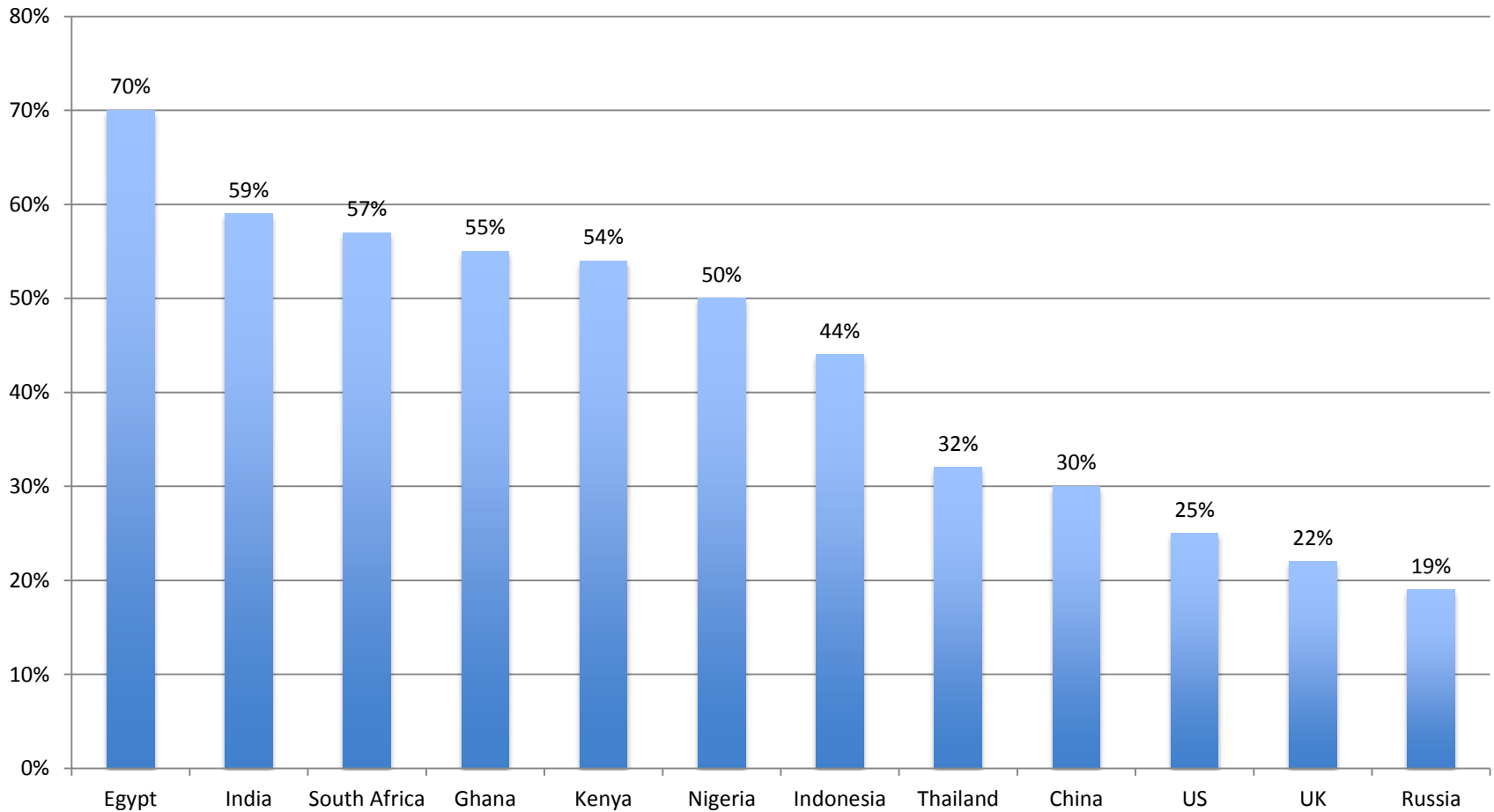
# Increase of Mobile Users





# Percentage of Mobile-Only Web Users

## Percentage of mobile Web users who never or infrequently use the desktop Web



Source: On Device Research (2010), n = 15,204



# Mobile for Web

- Mobile Web access – via laptops and smart mobile devices – to overtake desktop Web within the next five years (ITU, 2010)
- There were more than 450 million mobile Internet users worldwide in 2009; this will pass the 1 billion mark by 2013 (IDC, 2009).

# Mobile Tech for Education

- Mobile tech is a supplementary tool: Break away from thinking how to put the course in the tiny screen.
  - Creative use of the tech is called for.
- Great potential to achieve Education for All



# Promising Cases in Asia-Pacific



United Nations  
Educational, Scientific and  
Cultural Organization

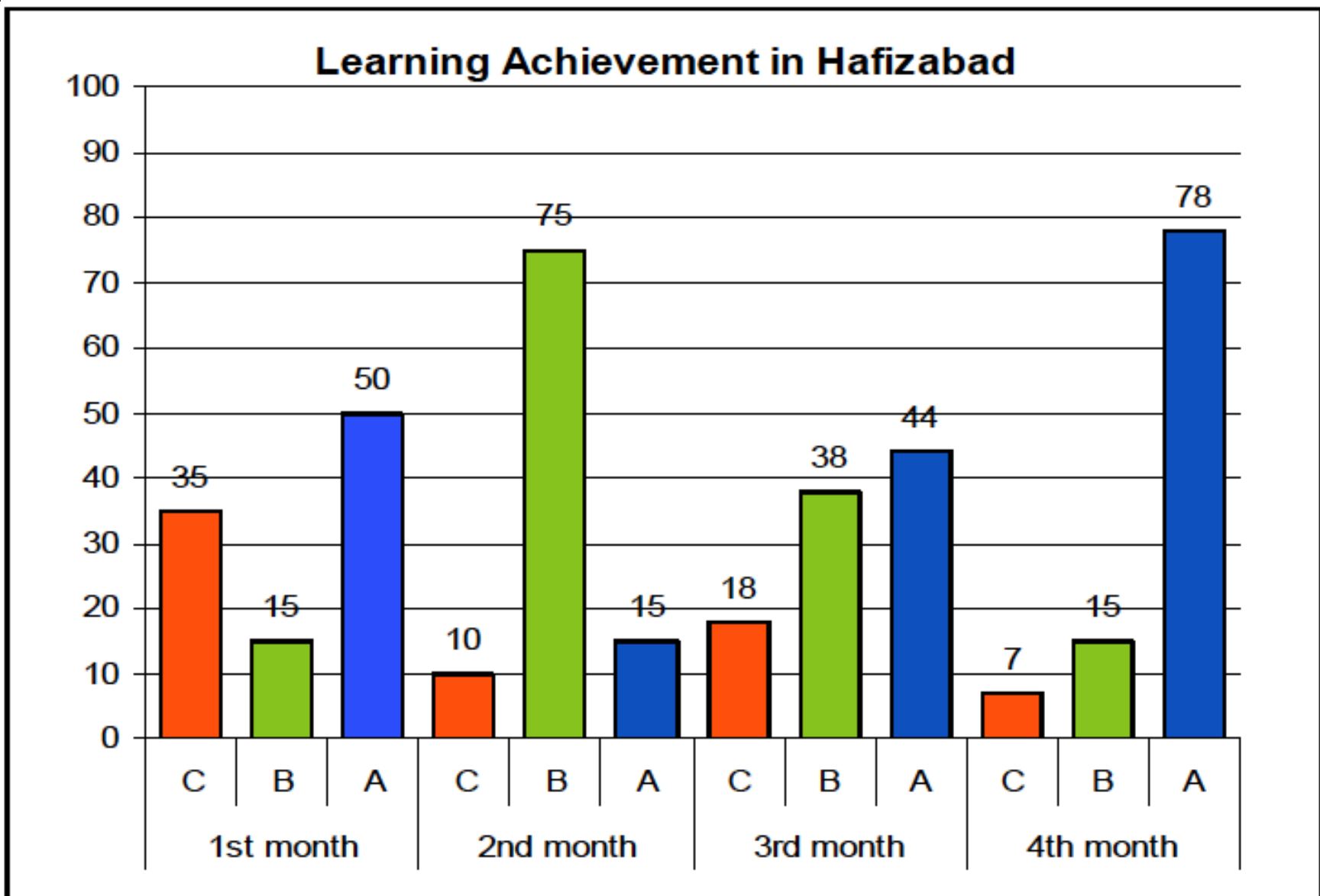
# Literacy Promotion through Mobile Learning in Pakistan

- To promote literacy among female adolescent learners
- Five months conducted with 250 adolescent girls in Punjab, with the help of 10 teachers



# Modules

Month	Activities
0	<ul style="list-style-type: none"><li>• Basic literacy course at literacy centers</li></ul>
1 <sup>st</sup>	<ul style="list-style-type: none"><li>• Provision of Mobile phones and its orientation</li><li>• Start receiving and sending messages</li><li>• Work on workbook (copying messages by hand-writing) and read it out repeatedly</li></ul>
2 <sup>nd</sup>	<ul style="list-style-type: none"><li>• Receive and send messages</li><li>• Work on workbook (copying messages by hand-writing) and read it out repeatedly</li><li>• Listening of teachers and writing</li></ul>
3 <sup>rd</sup>	<ul style="list-style-type: none"><li>• Receive and send messages</li><li>• Work on workbook (copying messages by hand-writing) and read it out repeatedly</li><li>• Reply messages and answer questions</li></ul>
4 <sup>th</sup>	<ul style="list-style-type: none"><li>• Receive and send messages</li><li>• Work on workbook (copying messages by hand-writing) and read it out repeatedly</li><li>• Reply messages and answer questions</li></ul>



A (100-70), B (69-50), and C (50-0) N=125



# UNESCO Bangkok's Initiatives

- Participating in Phase 2 for the Pakistan M-Learning
- Being proactive for smart learning: M-Learning and T-Learning
  - Policy advice for Tablet Learning: Thailand
- Working closely with HQs on OER and M-Learning: esp. Teacher training

# Conclusion



# Conclusions

- Clear vision and shared goals of what this new mobile technology can achieve in education.
- Global standard without compromising local contexts
- Smart policy decision to support creative use of mobile technology for learning



United Nations  
Educational, Scientific and  
Cultural Organization

# Thank You

[j.park@unesco.org](mailto:j.park@unesco.org)  
[www.unescobkk.org/ict](http://www.unescobkk.org/ict)