

# SchoolNet Development Priorities



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HELLO! MY NAME  
IS MR CLICKITICLICK!



**Fighting  
silly  
conventions,  
pedagogy,  
fears,  
and  
pipe dreams.**

“Any teacher who can  
be replaced by  
a machine probably  
ought to be.”

Arthur C. Clarke

# Typing to Keyboarding ... **without imagination!**



# SchoolNet Operations

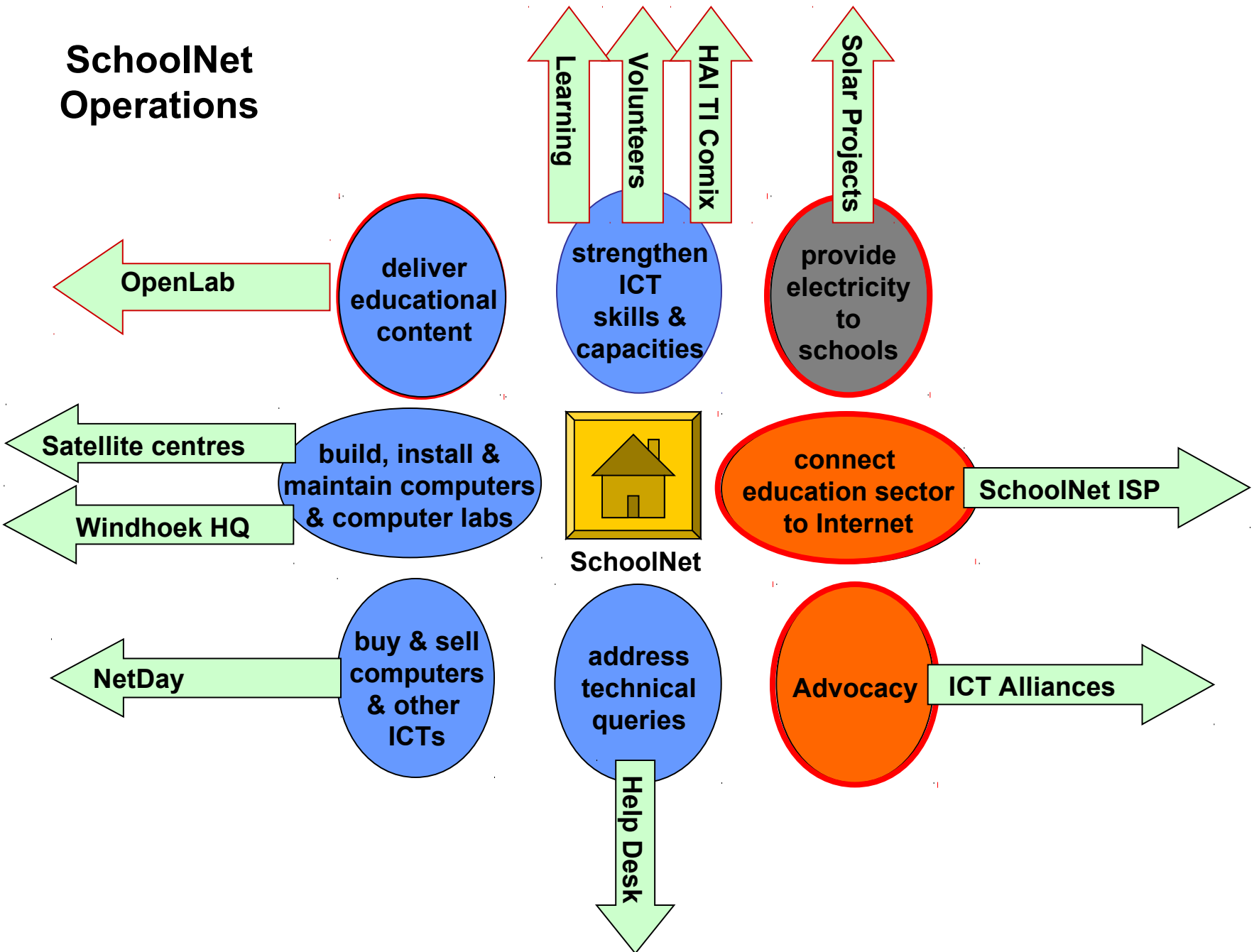




Image from Haiti! removed (incompatible license).

Source: a clip within middle row of  
<http://www.schoolnet.na/haiti/page40.html>

## **Advocacy and Information sharing**

The image was a cartoon of someone showing a picture of a "rose table" with 5 learners busy on connected PCs explaining that his school has a SchoolNet lab. which has a new server, a network of quality thin client PCs, quality free/libre and open source software (FLOSS) such as OpenLab4 and application software, 24/7 internet, support and training.

# 3-5 year cost of ownership/support model

Image from Haiti! removed (incompatible license).

Source: within middle row of <http://www.schoolnet.na/haiti/page33.html>

This was a cartoon image "Inside the New Omutayi Lab. ..." of a "rose table" with two technicians chatting about the benefits of the design while busy setting it up: stability, cables out of the way, space for the computer, keyboard and mouse, great for learner interaction.

**Plain common sense, and a bit of lateral thinking...**

# Viabile total cost of ownership model

	Quantity	Unit Cost (US \$)	Total Cost
WIFI SITE - thinclient solution			
<b>ICT Deployment &amp; Operational Cost per site</b>			
<i>Start Up</i>	7	0	
<b>School Infrastructure (circular table tops)</b>	4	86	343
Server (New PIV 2x80gb HDD, 2gbRAM, etc); 3yr Warranty	1	1,429	1,429
Workstation CPU (3yr warranty)	20	286	5,714
New 15" Monitors, keyboards & mice; 3 yr RTB warranty	21	0	0
<b>Classroom PC for teaching</b>	1	500	500
<b>Admin PC</b>	1	500	500
<b>UPS 650VA minimum + brown-out rectifier</b>	3	57	171
Cisco 24 Port switch	1	94	94
Cisco Aironet 1100 Series Wireless Access point	2	57	114
Cisco Aironet 350 Series Wireless NECs	3	17	51
24/7 Internet Service equipment WIFI (2.6 GHz)	1	1,143	1,143
Labour costs per installation + preliminary training	1	357	357
<b>Software/OSS/OpenLab+Edukar</b>	1	0	0
Room -Electricity+channeling modification if needed	1	95	95
Transport Cost of services/equipment to school	27	13	359
<b>Overhead Projector</b>	1	857	857
HP network printer Laser B&W	2	214	429
<b>Total Start Up Cost per School</b>			<b>12,157</b>
<i>Annualised Costs</i>			
24/7 Internet Service (telecom & ISP) -dial or wifi e-rate	12	24	283
Annual technical maintenance, training and service costs	12	19	231
<b>Annual Laser Printer Maintenance (Toner, Paper)</b>	2	171	343
<b>Annual Electricity Charges (@N\$0.62/KwH)</b>	205	3	695
<b>Total Annual Operational Cost per School</b>			<b>1,552</b>
<b>Cost of end-of-life disposal</b>	45	8	343
<b>Total ICT Operational Service Cost per School</b>	3	1,552	4,699

# What makes this TCO affordable?



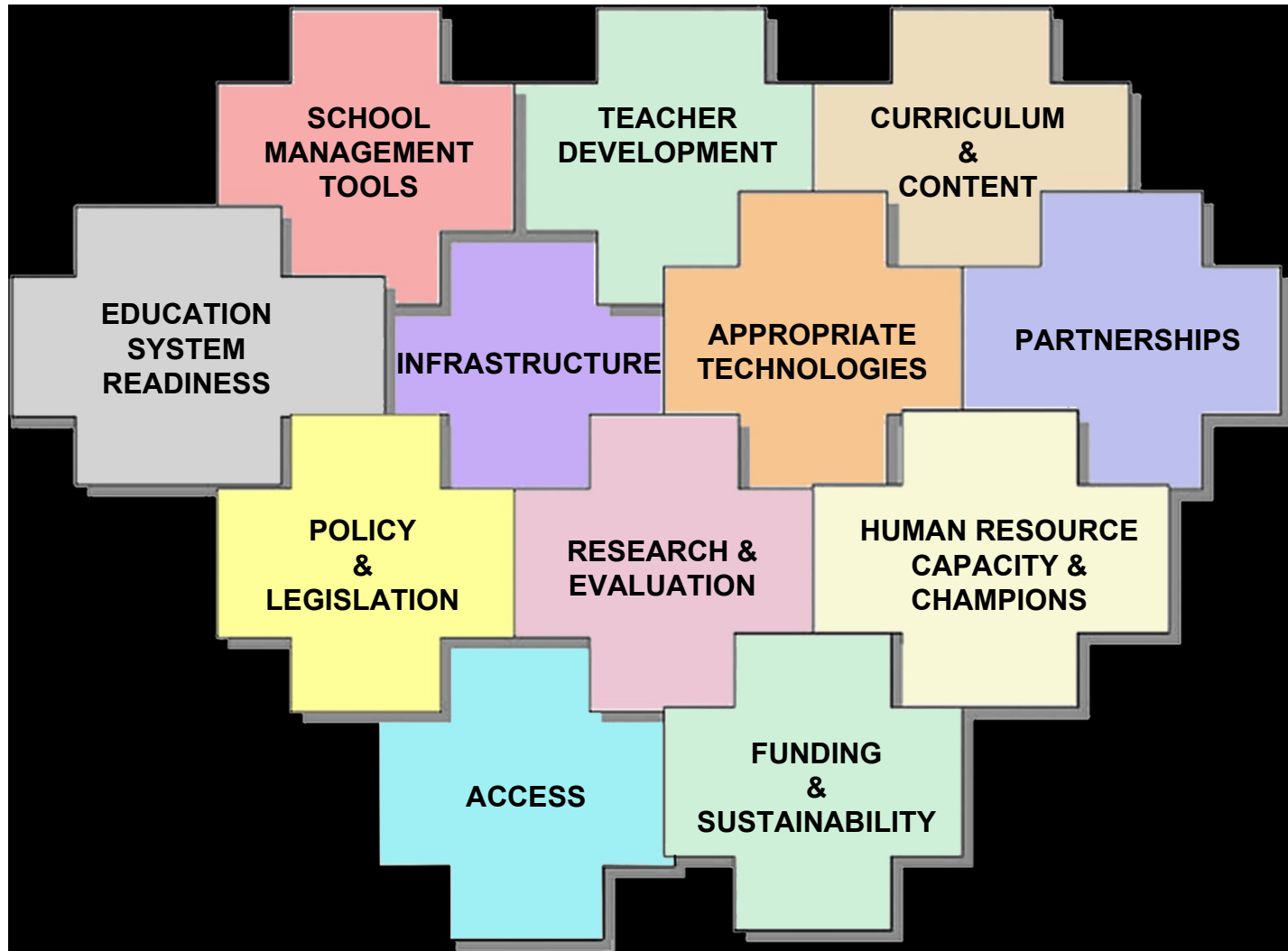
a pool of young,  
enthusiastic and very  
bright Namibians!



# Why have a SchoolNet ?

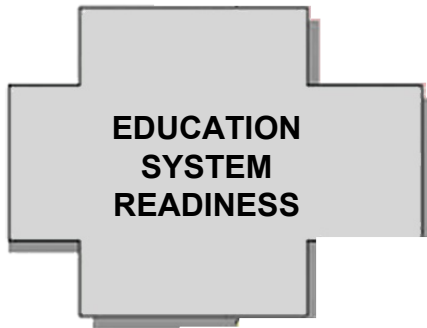
Schoolnets usually arise from a common developmental interest in ICTs for education, **where such development is not adequately addressed by existing institutional capacity** and (usually) in the absence of an ICT policy framework and implementation plans.

# ICT Development Matrix

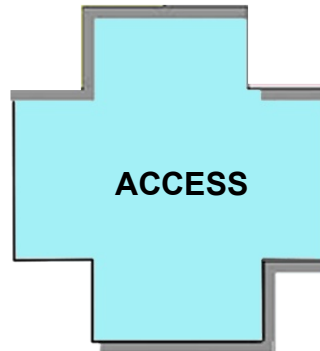


# ICT Development Matrix

ICT Competency



Foundation skills  
Integration skills  
Localisation  
...Certification



Infrastructure  
Bandwidth, bandwidth,  
bandwidth...  
Scale

# Thank you !



[www.schoolnet.na](http://www.schoolnet.na)    [tatejoris.blogspot.com](http://tatejoris.blogspot.com)