
Port Vila, July 2014



The Government
of The Republic
of Vanuatu

ICTs in Health and Education

Office of the Government Chief Information Officer (OGCIO)

Fred Samuel, Chief Information Officer

Agenda:



Situation in Health & Education



Benefits of ICTs in these Areas



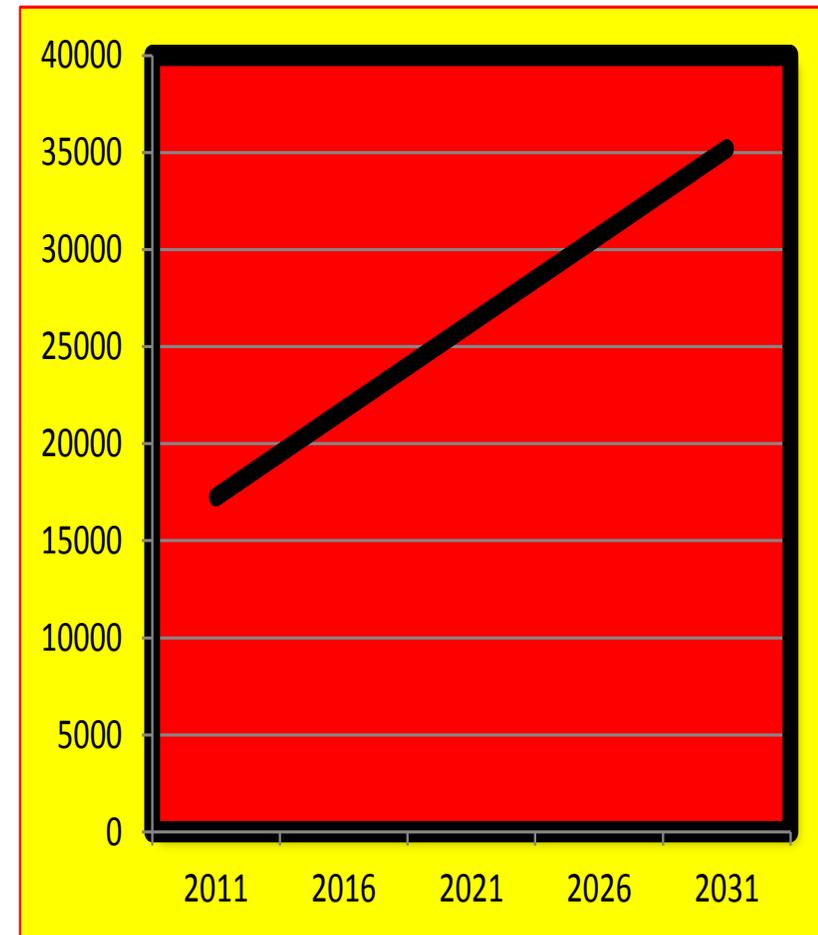
Recommended Actions & Budget



Situation in Health & Education

Non-communicable diseases (NCDs) are killing Ni-Vans in Vila, towns and villages

- † 70% of all adult Ni-Van deaths are from NCDs (diabetes, heart + lung disease, stroke)
- † Causes: poor diet, smoking, lack of exercise
- † Number of diabetes cases is rising fast:



Forecast diabetes cases in Vanuatu, WHO

Vanuatu's patients are isolated from world-class medicine

- † Lack of access to specialized medical expertise
- † Inadequate medical records
- † Inadequate medical information system



Personnel and HR MIS issues have affected morale



VANUATU DAILY POST

Bauerfield Estate: Few clouds, 14 °C

News » Business News » Features » Women Gossip » Buzz FM News



Wanem taem bae DG Santos bae hemi honest wetem ol contract nurses?

Posted on April 1, 2014 - 9:56am | Category: Letters

Dear Editor,

Ministry blong Health hemi stap wetem wan bigfala financial difficulty mo administrative setback status naoia afta we Dr Santos Wari hemi stap mekem false promes long ol wokman blong hem (ol contract nurses) long Friday no: 28/03/2014 Ol contract nurses ol no karem salary yet olem we bigfala boss ia I bin talemaat.

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3 gov't ministries tackling outstanding teachers' salary issue

Posted on September 3, 2012 - 10:40am | Category: Local News

By Jane Joshua

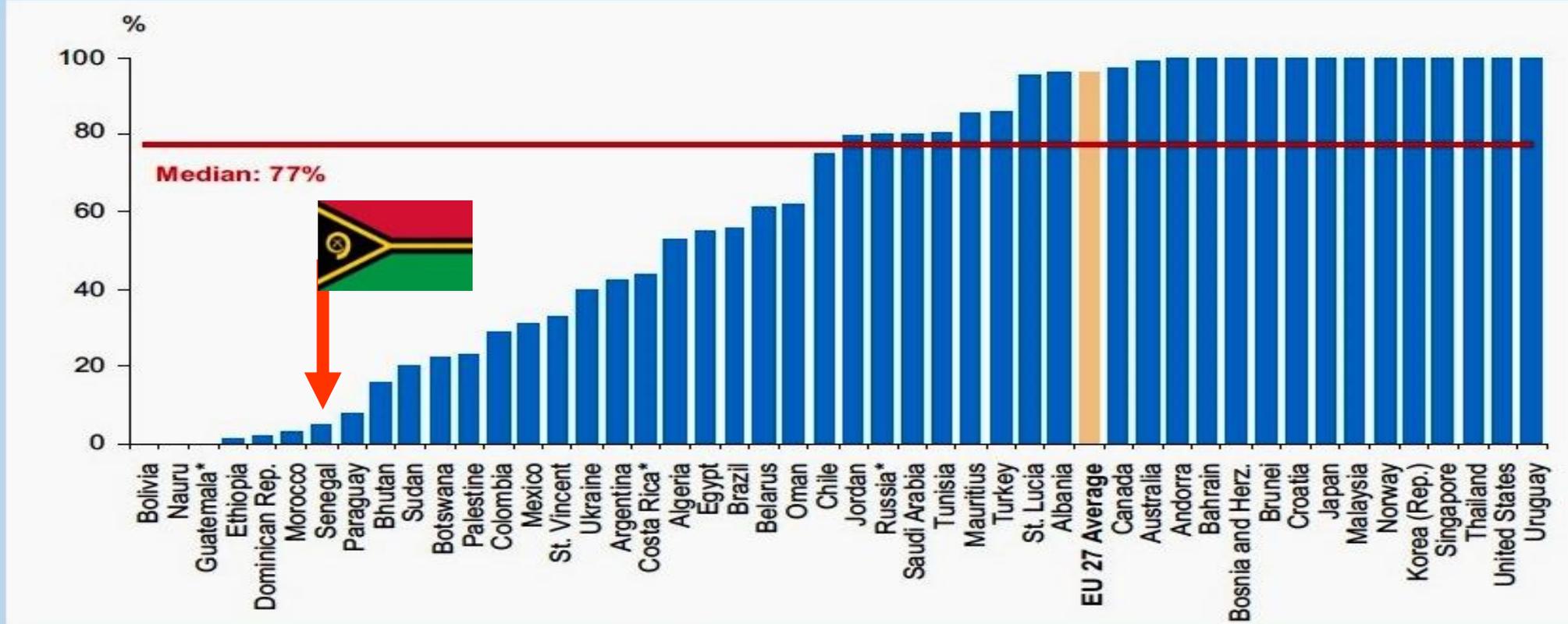
The Office of the Prime Minister and Ministry of Finance are collaborating with the Ministry of Education to address the much debated issue of outstanding salaries of teachers in Vanuatu.

Home

Only 6% of schools have Internet access

- ☹ About 6% of Vanuatu schools have Internet access
- ☹ 5% of students have Internet access at school
- ☹ 14th percentile of 48 countries reporting to ITU

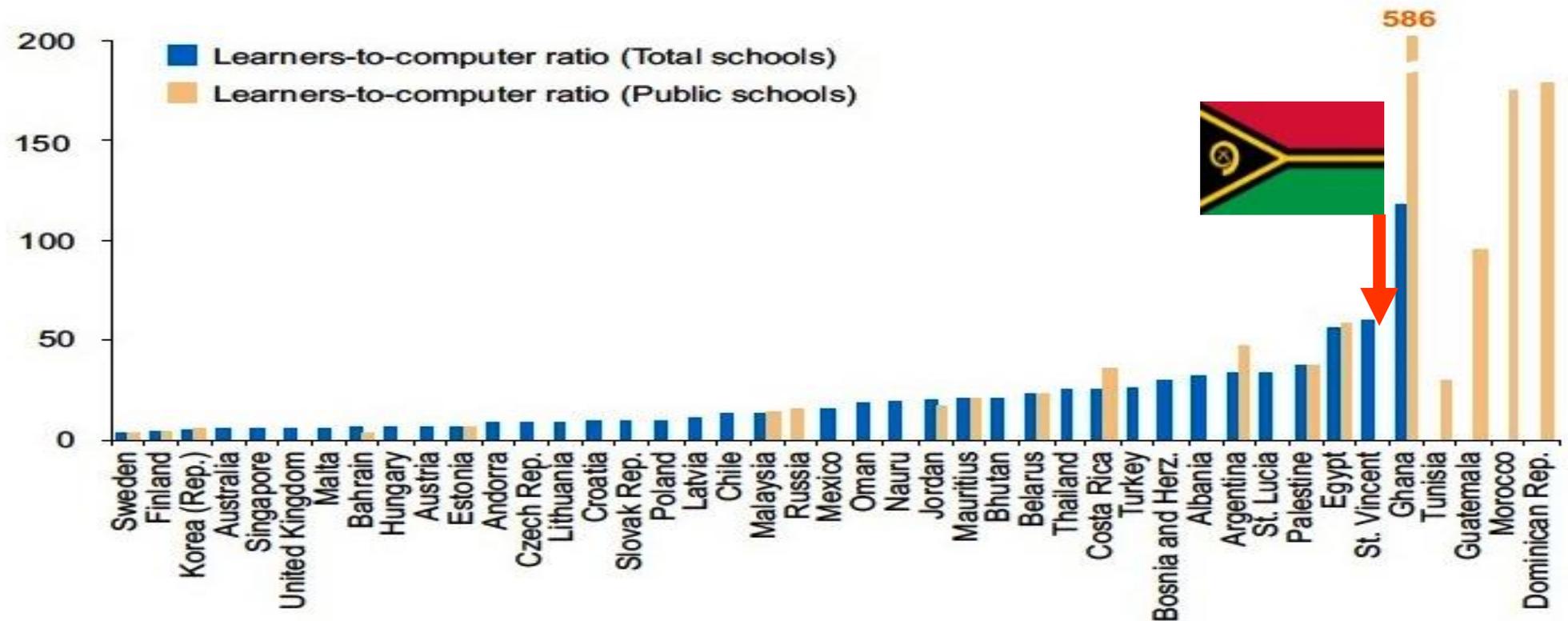
Chart 2.4: Proportion of schools with Internet access (for ISCED levels 1-3), 2008-09**



205 school students compete for each computer

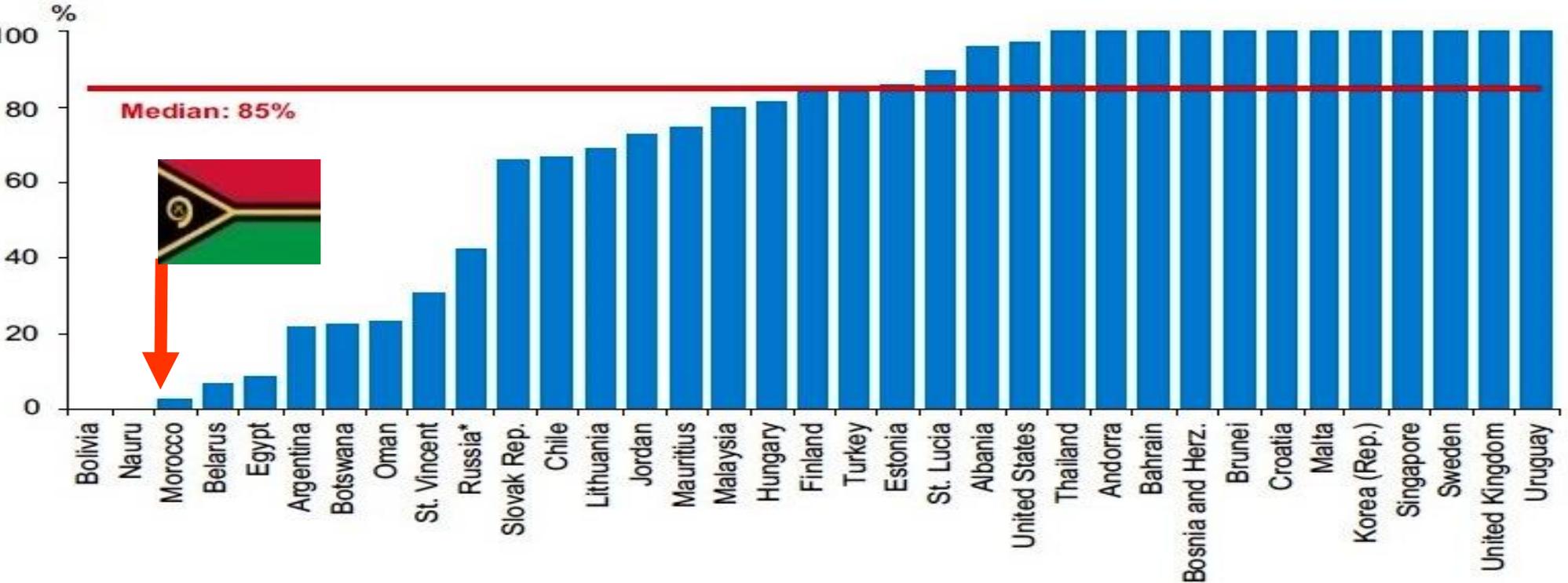
- ☹️ Vanuatu students to computer ratio: 205 students per computer; **only about 300 computers for 70,000 students**
- ☹️ 4th percentile of countries reporting
- ☹️ Thus 96% of countries are doing better

Learner-to-computers ratio (for ISCED levels 1-3), 2008-09*



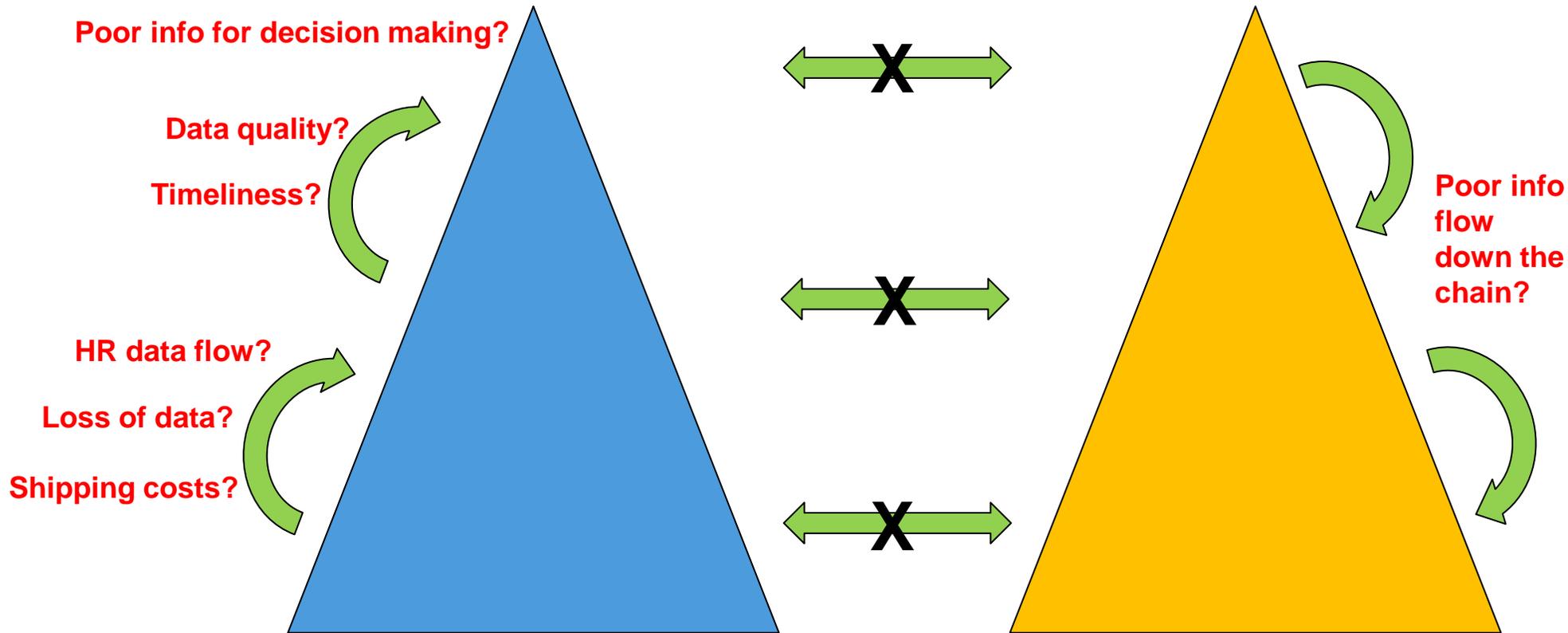
Only 1% of Vanuatu schools have broadband access...

2.5: Proportion of schools with broadband Internet access (for ISCED levels 1-3), 2008-09**



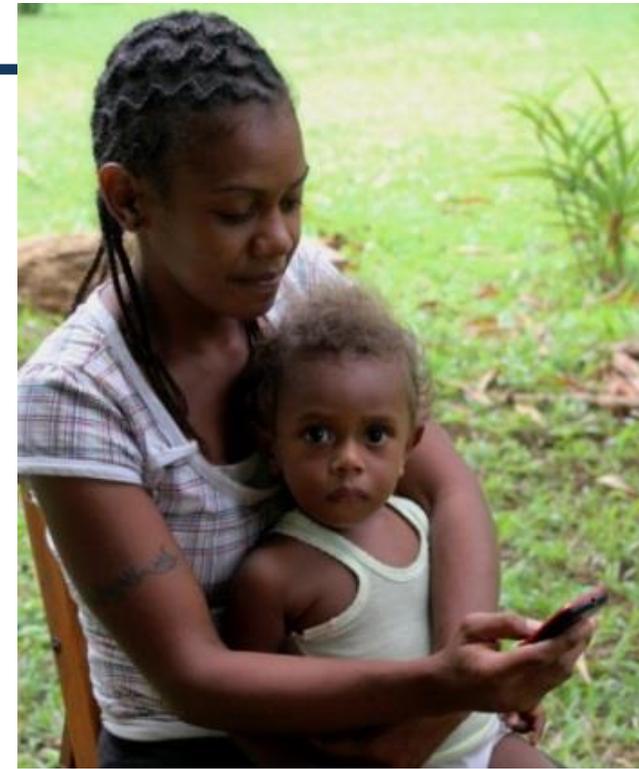
...3rd percentile in world 😞

Information flow up and down many Ministries is poor, and across Ministries is often non-existent...

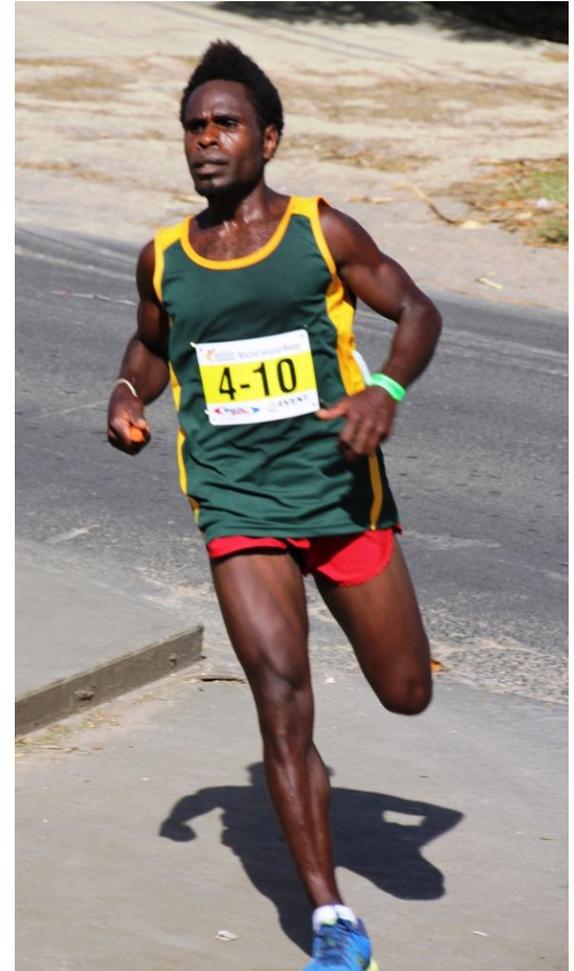


...and communication with the public is very limited

Benefits of ICTs in Health & Education

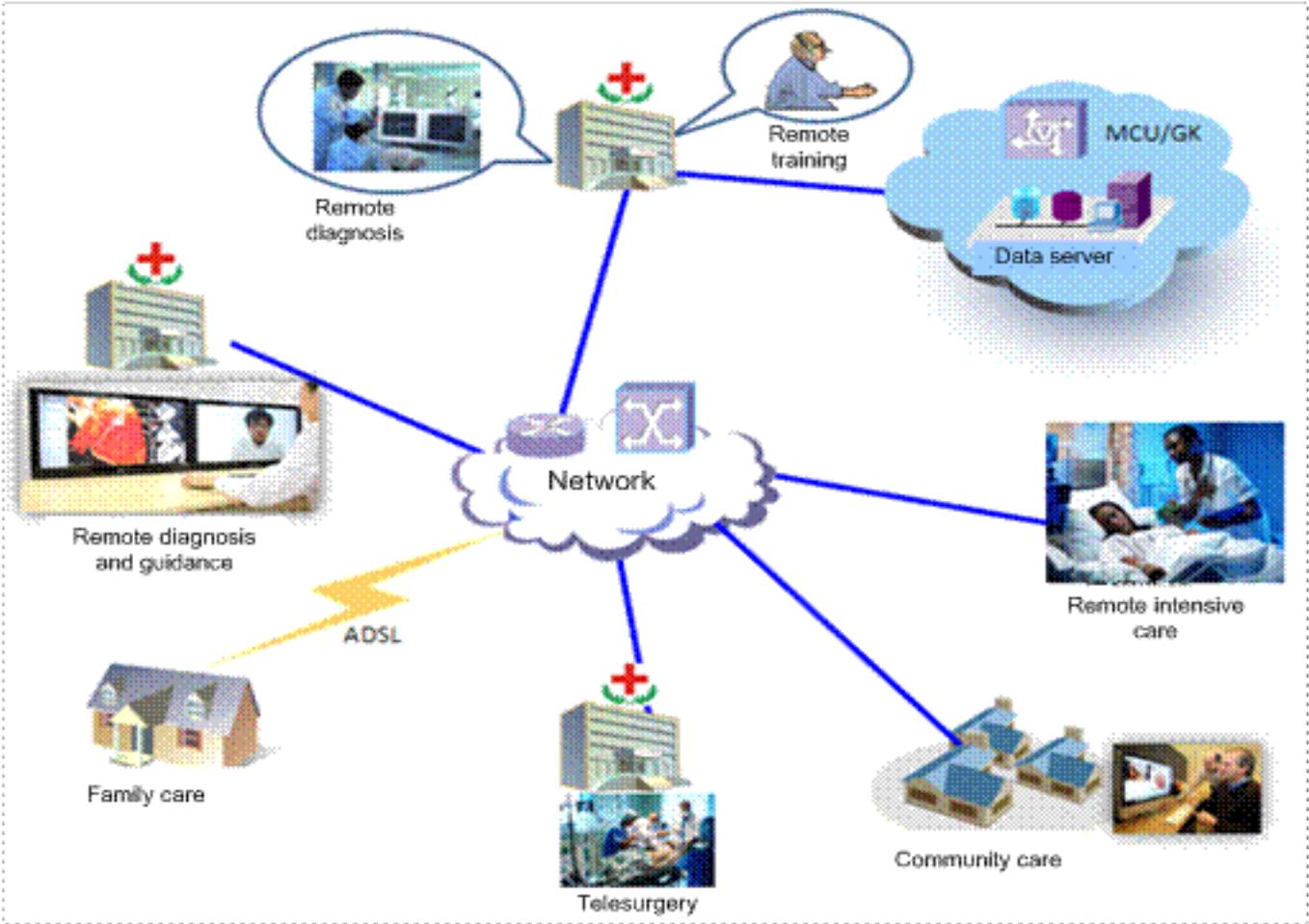


ICT-based public awareness campaigns can reduce NCDs...



...result: a healthy life style

Telemedicine can bridge many gaps

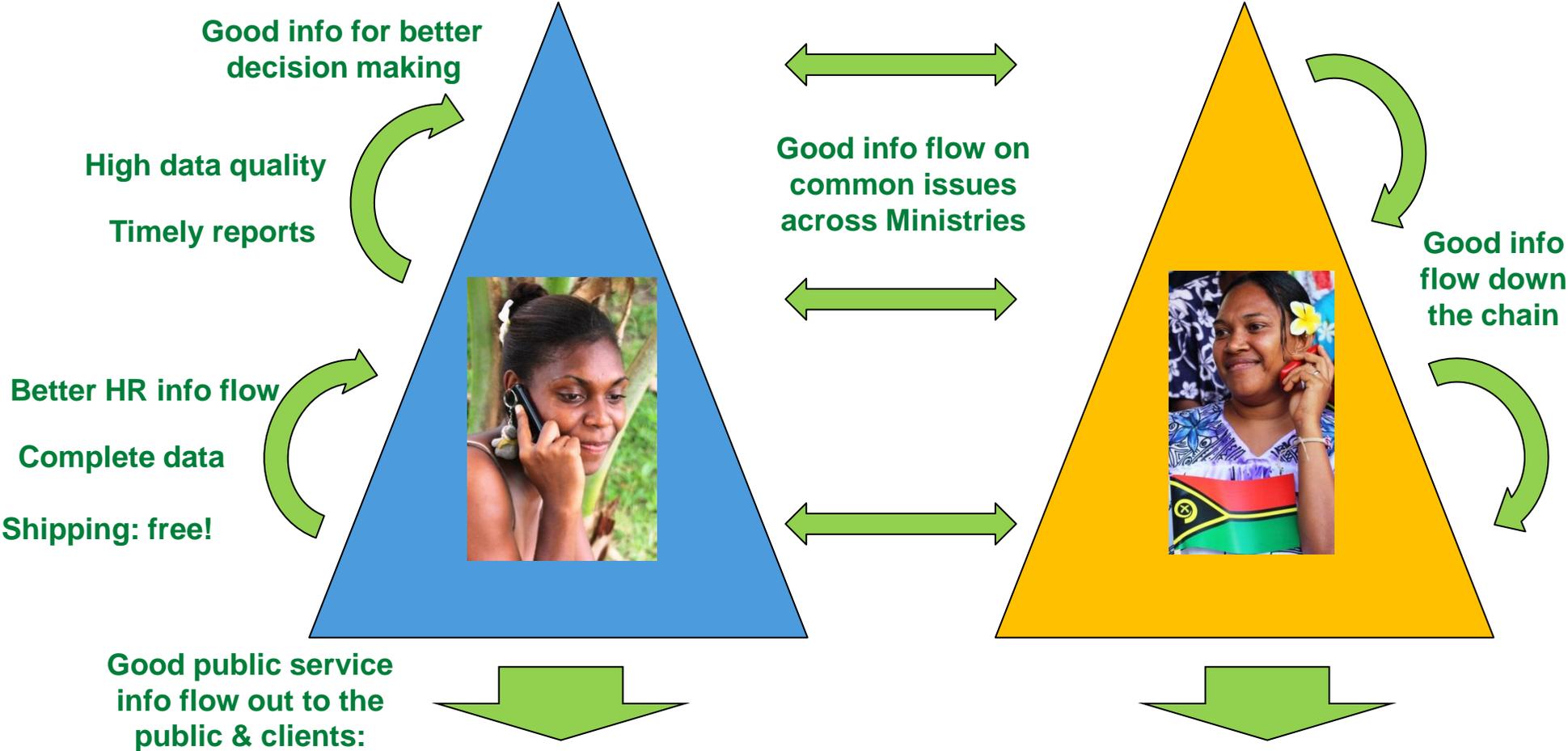


Student digital literacy is low but there is **a plan**:

- ☹️ **Bad news: est. of computer literacy in schools: **only 4%**, almost all secondary students**
- 😊 **Good news: schools w/ computer labs have a **71% computer literacy rate**, compared to almost zero w/ no lab**



ICTs improve information flow and transparency



ICTs improve health, education and employment, with good effects in the village, province and nation



Better services to clients

Better ed = better jobs for youth

Better jobs = less crime

Better results for tens of thousands of Ni-Vans

Impacts at village level for ordinary people





Recommended Actions & Budget

Recommended action items:

“Vision” + action plan

Business case

**Old & new \$\$: Aus, NZ, WB,
ADB, Middle East, BRICS**



NOTIONAL BUDGET

Action Requires Funds

HEALTH

Broadband Connectivity, ALL Hospitals, Clinics, Dispensaries, Provincial Centers

Health Information System + Training

Public Health Promotion – Website, SMS, Radio

Telemedicine systems

TOTAL HEALTH

USD

\$6.0M

\$6.5M

\$5.0 M

\$5.0 M

\$22.5M

VATU (millions)

600 M

650 M

500 M

500 M

2.250 Billion VT

EDUCATION

Broadband Connectivity – All Schools, Provincial Centers

Education Information System, Teacher Training

Digital Content – Curriculum, Distance Learning, Non-English content

ICTs in Education Training Institute

Village/Community Internet Access via Local Schools

TOTAL EDUCATION

\$9.0 M

\$5.5M

\$4.0 M

\$3.0M

\$2.0M

\$23.5 M

900 M

550M

400 M

300 M

200 M

2.350 Billion VT



Let's remember who we are working for:

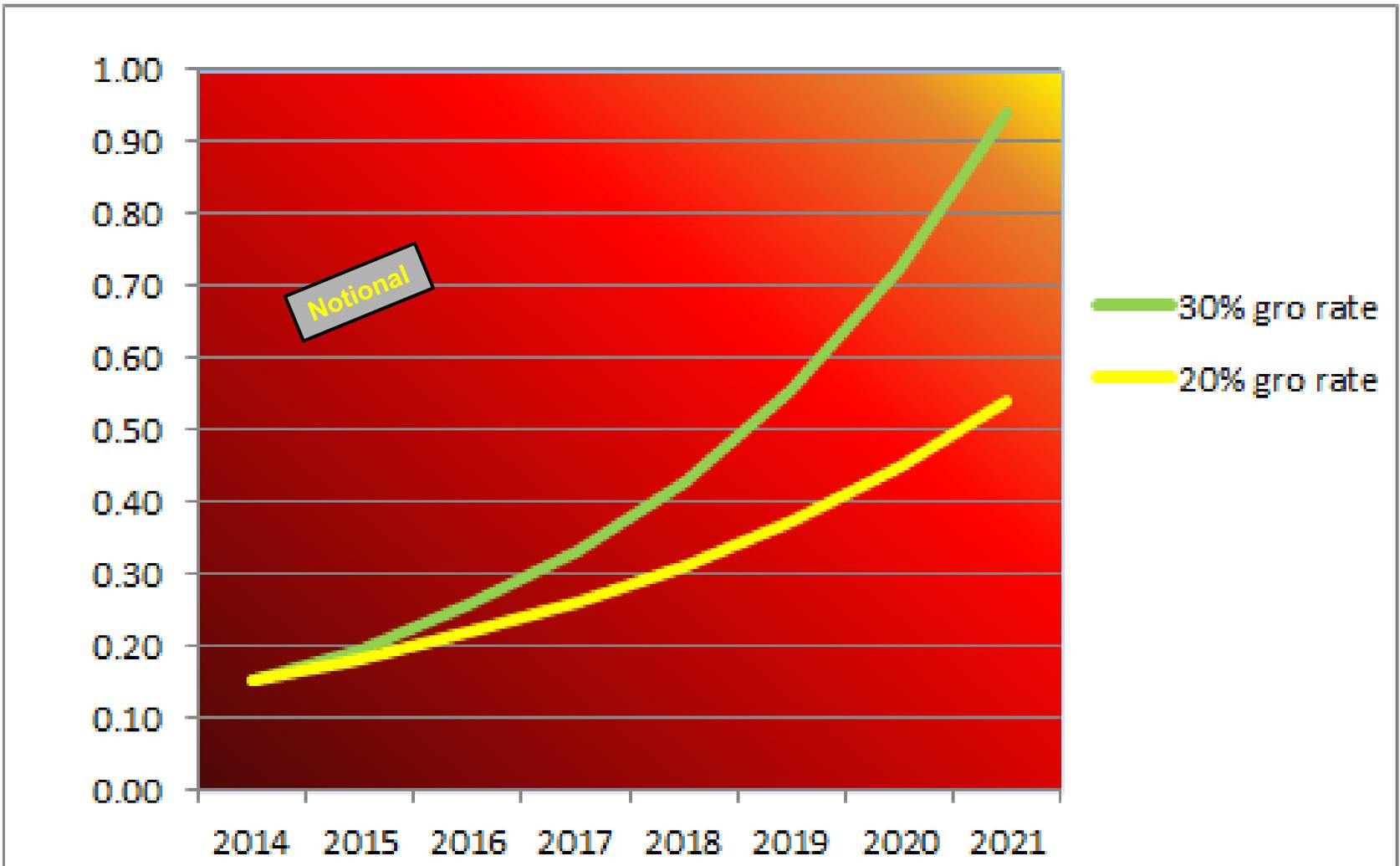


The image features the flag of the Republic of Togo as a background. The flag consists of a red upper triangle, a green lower triangle, and a black horizontal band in the center. A yellow diagonal band runs from the top-left to the bottom-right, and another yellow diagonal band runs from the top-right to the bottom-left, meeting at the center. In the center of the black band is a yellow circular emblem containing a white cross with a green wreath.

Tank yu tumas!!!

Questions?

Fast smart phone rollout will have an impact



Main obstacles to ICTs:

Response by Ed Officers on Obstacles	Percentage
Electrical power	76
HR, training, IT capacity	71
Internet access/coverage	48
Finances, sustainability	48
Maintenance	29
Remoteness	24
No computers	19

Three types of schools:

1. A working computer lab for students, w/ average of 10 desktops, all secondary schools (about 20+ of these)
2. No lab for students, but a few computers for teachers/admin
3. No computers or ICTs (the vast majority)



No schools had tablets, 1 had computers in the normal classroom