



One Laptop per Pacific Child

Better Basic Education
for Oceania

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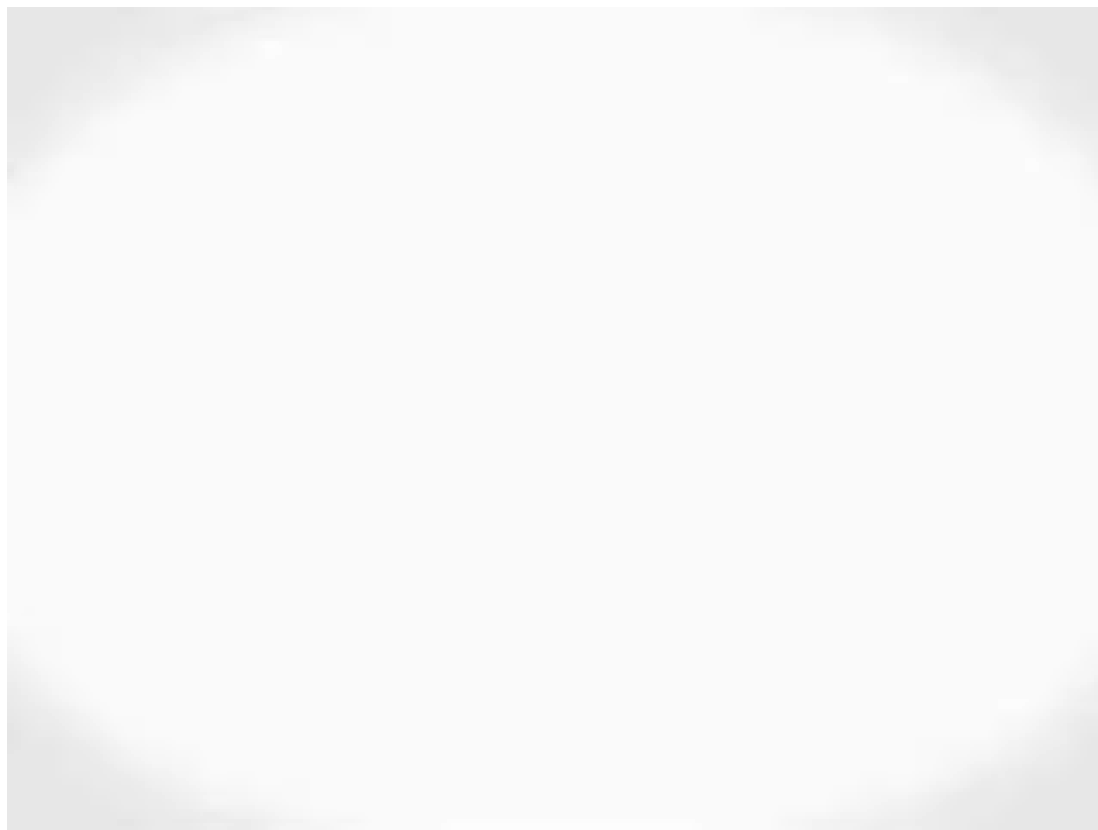
PACIFIC ICT MINISTERIAL FORUM
Nuku'alofa, Kingdom of Tonga, 17-20 February 2009



1. One Laptop per Child



Vision





Who

- Global non-profit association
- MIT Media Lab First project Dakar in 1982
- XO prototype launched WEF in Davos in 2005.
- First XO deployment Feb '07
- Mass production starts Nov '07
- 1.2m units produced
- Projects in 31 countries
in 19 languages





Why





Global policy touchstones

- 1990 Convention on the Rights of the Child
- 2000 Dakar Framework on Education for All
- 2000 Millennium Development Goals
(esp. MDG 2 – universal primary education)
- 2005 WSIS
Tunis Commitment to bridge the digital divide,
- 2005-14
Decade of Education for Sustainable Development

2. One Laptop per Pacific Child



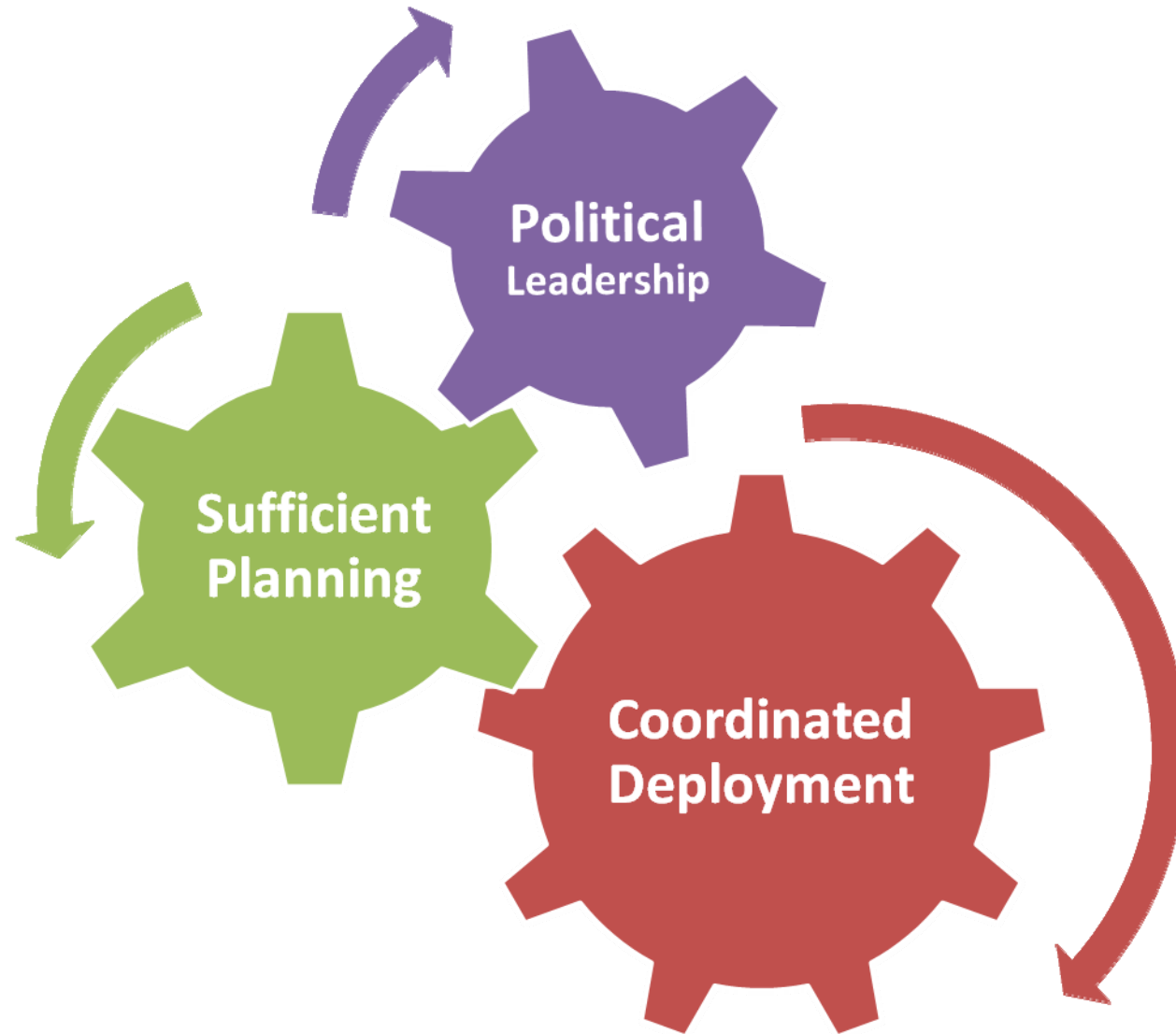


Pacific context

- c. 1.7m children aged 6-12
- Six of the world's Least Developed Countries (LDCs)
- 40% 6-12yos attend no school
- In PNG: 1.1m 6-12yos,
50% attend no formal school



PICT project drivers



1 Principles for community deployment



- **The XO Laptop should be deployed through a process of community consultation; should only proceed with assent of the entire community, taking account of their needs and concerns;** and should be fully integrated into existing systems and tools
- Without compromising child education, access to the XO Laptop should be available not just for the child, but the family and the community
- Communities should develop their own principles and guidance for coordinating communal use of the XO Laptop
- Where appropriate, children should be included and encouraged to actively participate in using the technology for whole-of-community actions and projects
- The technology should be available to contribute to community efforts and solve community problems and not be leveraged for private personal profit or commercial gain
- Knowledge and data generated with the laptop is in the public domain, and needs to be freely available and shared

1



Principles for community deployment



(cont)

- Without discouraging community-level market activity which support sustainability – such as microfinance, technical services, spare parts repairs and maintenance – communities should put in place disincentives to the emergence of a secondary commercial market for the XO.
- Communities should share local knowledge, best practices and lessons learned with like communities and within their sub-regional, national and regional contexts.
- Deployment should, wherever possible, proceed in alignment and harmony with existing regional and national efforts on education for sustainable development, and should be designed to strengthen and enhance those efforts.
- An "end of life" program should be put in place to recover derelict laptops to avoid environmental damage and hazard.
- **An Internet Safety program should be established wherever the XO is deployed.**

- *Developed for further discussion at OLPC Asia Learning Workshop, Bangkok and SPC, August 2008*



Pacific policy milestones

- 2007 Pacific Plan, Pacific Islands Forum
Pacific Regional Digital Strategy, PIF
- 2008 16th ACP-EU Joint Parliamentary Assembly,
Port Moresby
- 2009 Pacific ICT Ministerial Forum, Tonga
Forum Education Ministers Meeting, Tonga
Pacific Plan Action Committee
PIF Leaders Meeting, Cairns



2007: PIF Pacific Plan and OLPC

In their Communiqué, Pacific leaders noted:

“the **potential utility** of the One Laptop Per Child (OLPC) initiative and the need for education authorities ... **to assess the priority** to be accorded to it in their countries as a tool for education and disseminating information to rural and remote communities...”



2008: OLPC and SPC/PIFS partnership

- OLPC Inc. donates 5000 XO laptops to Pacific (USD 1m), appoints Oceania rep
- With PIFS guidance, SPC deploys XO's according to country-led demand
- SPC Program Coord. and Expert Consultant
- 2700 units deployed in 5 PIF countries
- Oct 08, SPC approved to seek funding to continue the OLPC program



‘Every RICS site can be an OLPC hub’

- RICS/OLPC Trials mounted by SPC under the Pacific Regional Digital Strategy, agreed by 2007 PIF Leaders Meeting
- SPC’s Rural Internet Connectivity System (RICS) programme is highly complementary with OLPC.
- **RICS provides the broad infrastructure to accommodate at-scale OLPC rollout in remote contexts.**
- 80 RICS/OLPC sites planned for PNG by end 2009
- Regulatory, ongoing funding issues





2008 coordinated action

5 PIF countries w/ trials underway:

- Papua New Guinea (3)
- Solomon Islands (3)
- Niue*
- Nauru
- Vanuatu





2008 coordinated action

8 PIF countries w/ formal request for trials:

- Cook Islands
- Fiji
- FSM
- RMI
- Tonga
- Tuvalu
- Tokelau
- Samoa



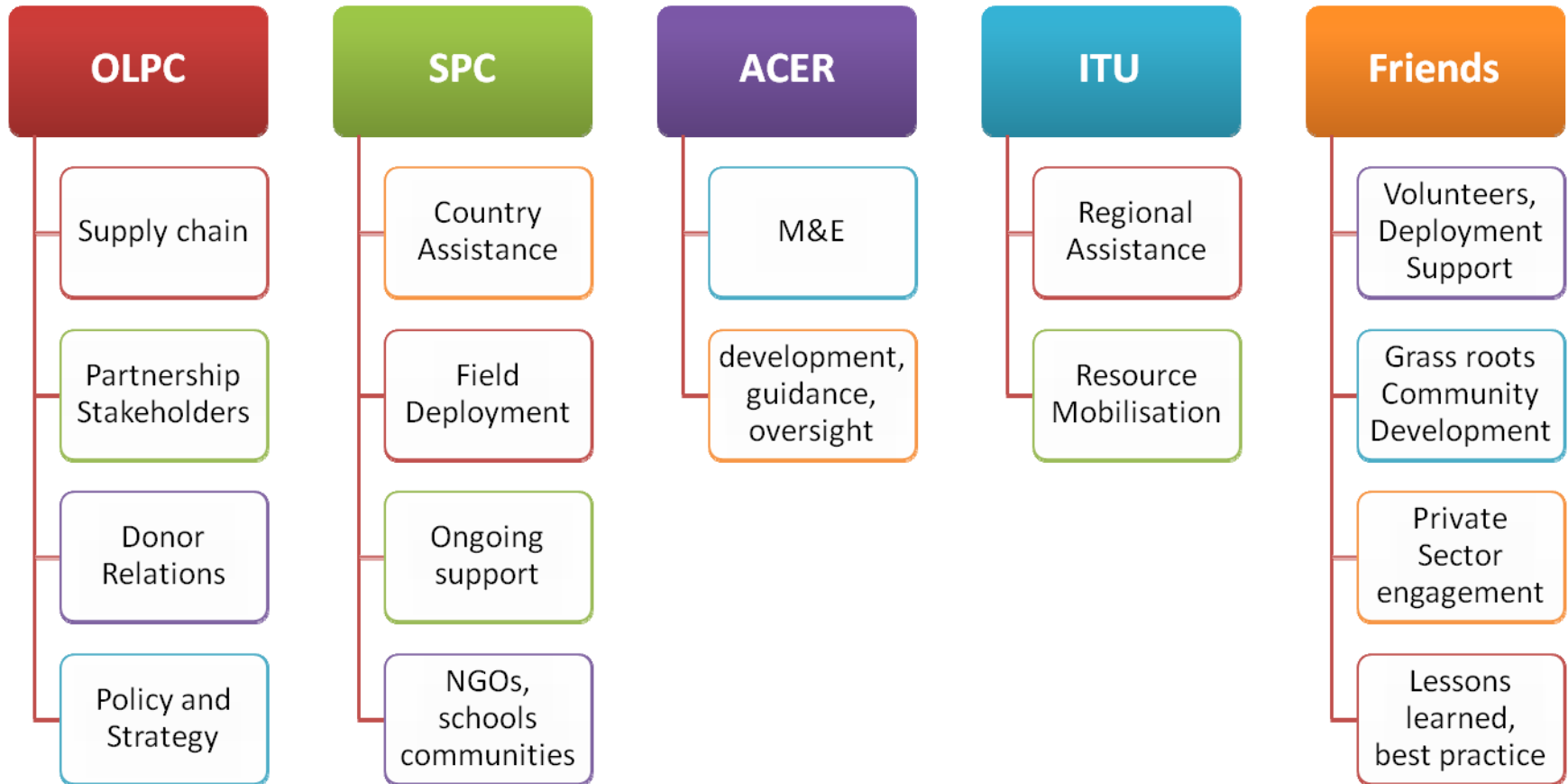


2008/09 coordinated action

- **OLPC Friends** founded to support Pacific deployment
- **PNG Government** announces OLPC program and intention to extend trials to **25 schools in 2009**.
- **PNG Sustainable Development Program** seeks SPC assistance to run trials in **12 non-govt schools in 2009**
- **GFC impacts SPC**: fund shortfall hits OLPC program
- **ACER** sees need for credible M&E, offers to lead.
- **ITU** offers assistance with resource mobilisation
- Draft MOU to form **OLPC Technical Working Group**



TWG Lead partner roles





2009: TWG Mission

In 2009, assess the viability of OLPC initiative in Oceania and its suitability for scaling up from 2010 to 2015.



2009: TWG Objective

- complete existing OLPC trials in 5 PIF countries and commence trials in 8 more at the request of countries.
- provide evidence and frameworks to enable PIF countries to adequately assess whether to take OLPC to scale in their countries and across the region

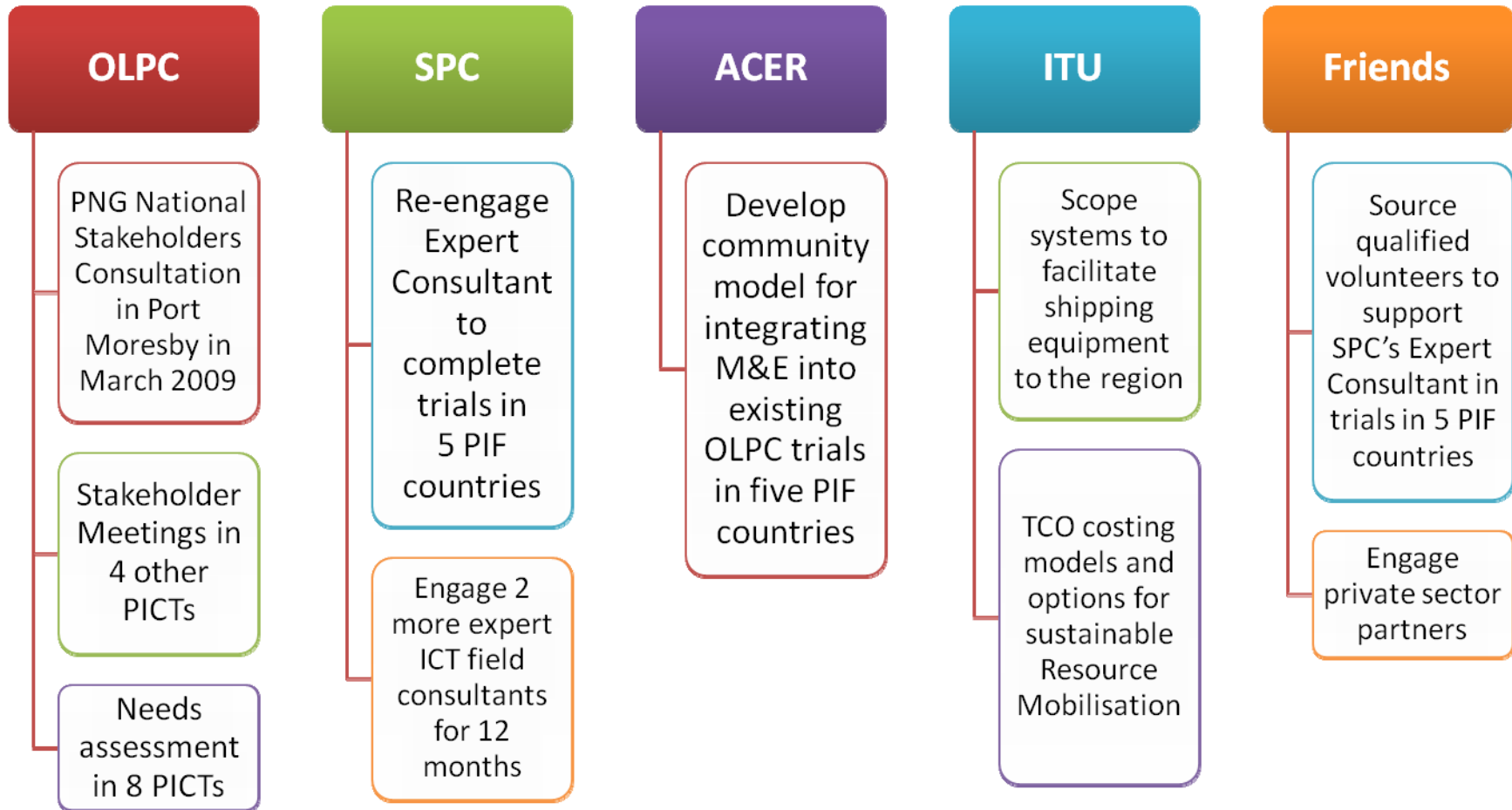


TWG expected outcomes

- **credible evidence base** which donors and PIF countries can use to assess their capacity and readiness to take OLPC from trials to scale, with sustainability, from 2010;
- **monitoring and evaluation framework** and country-level M&E baseline model, each tailored to the Pacific context;
- **needs and readiness assessment** to take OLPC to scale in 13 PIF countries (PPAC)
- draft **Plan of Action** to deliver one laptop to every child in basic education across Oceania by 2015, for the consideration of PIF Leaders



TWG 2009 resource needs: USD800k





There is an urgent need...

to immediately mobilise sufficient resources to complete the work begun in 2008

to meet the requests of PIF member countries and

to demonstrate progress to Pacific leaders at their next summit in Cairns, Australia, in August 2009.



We need to know...

- ✓ Will it work in the Pacific?
- ✓ Will it work in my country?
- ✓ What does my country lose or gain
by finding out?

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We need to gather the evidence to answer these questions

We owe it to our children – and to their future – to find out



3. A Pacific model: OLPC PNG





Political leadership

“OLPC will bring enormous benefits to our children, schools and teachers and the volume of benefits if rolled out fully, will cover over 7,000 Educational Institutions from elementary to secondary schools, benefit over 1,160,000 children and 35,700 teachers... transform this country and greatly narrow the digital divide.”

Deputy Prime Minister Dr. Puka Temu

Opening Ceremony,
16th Session ACP-EU Joint Parliament Assembly,
25 November 2008



OLPC PNG Draft Strategic Framework 2009-2015

Goal: Universal Basic Education
in Papua New Guinea

Target: One XO laptop for every child
in Basic Education by 2015

Objectives:

1. Increase access to Basic Education
2. Increase the number of children completing Basic Education
3. Improve the quality of existing Basic Education



OLPC PNG – National Core Team

- Whole of Government approach
- Cabinet sub-committee, led at Ministerial level
- Reports to National Planning Committee

Political Team	Planning Team	Pedagogy Team	Logistics Team	Technical Team
<ul style="list-style-type: none">• Dep. Prime Min. Puka Temu• Foreign Affairs • National leadership• Strategy, Policy and Partnerships• Donor Relations	<ul style="list-style-type: none">• Treasury & Finance• Physical Planning• National Planning & Rural Development• Community Development• Info and Communications • planning and project management• identifies schools and sequence of roll-out	<ul style="list-style-type: none">• Education<ul style="list-style-type: none">• teacher training• content, curricula• localisation• monitoring & evaluation	<ul style="list-style-type: none">• Public Services<ul style="list-style-type: none">• shipping, distribution, security, repairs, maintenance• Sweat Equity	<ul style="list-style-type: none">• Info and Communications• National Planning and Rural Development • Deployment• Infrastructure<ul style="list-style-type: none">• Power• Communications• Connectivity



XO comes to PNG





What can ICT ministers do?

- ✓ Support the concept note
- ✓ Help resource the TWG
- ✓ If there are trials underway/planned
 - get inside the loop on RICS/OLPC
 - be a driver in an whole-of-government effort
 - convene a Core National Team in your country
- ✓ If there no trials planned
 - engage your colleagues in education, infrastructure, energy and planning
 - request a trial program



Thank you...



http://wiki.laptop.org/go/OLPC_Oceania