Networks without Operators

Optical Society of America

Anaheim, CA.
March 27, 2007

1. Learning Learning

2. Teaching is only one way

3. Leverage children themselves

AND SOCIAL FUND 1999

What is: One Laptop Per Child ?

1. A non-profit entity with $25M funding for non-recurring engineering costs
2. About **scale**, **scale**, **scale**
   being **global** is crucial
   launch 3-5 million in 2007
   50-150 million 2008
   >5 large diverse countries
3. To provide to children: to own, to take home, to use seamlessly

Partners:

AMD
News Corp
Google
Brightstar
Red Hat
Nortel
Marvell
eBay

Quanta
Chi Mei
SES/Astra
Citigroup

Seagate
Adobe

United Nations
IADB

NAN
N. N

700 Mhz AMD x86 processor
256M DRAM
1G FLASH
<2 W nominal, can be human powered
3 USB ports
Stereo sound, with 2 audio out
WiFi mesh network
Rugged
Dual mode display
Camera, full resolution and video

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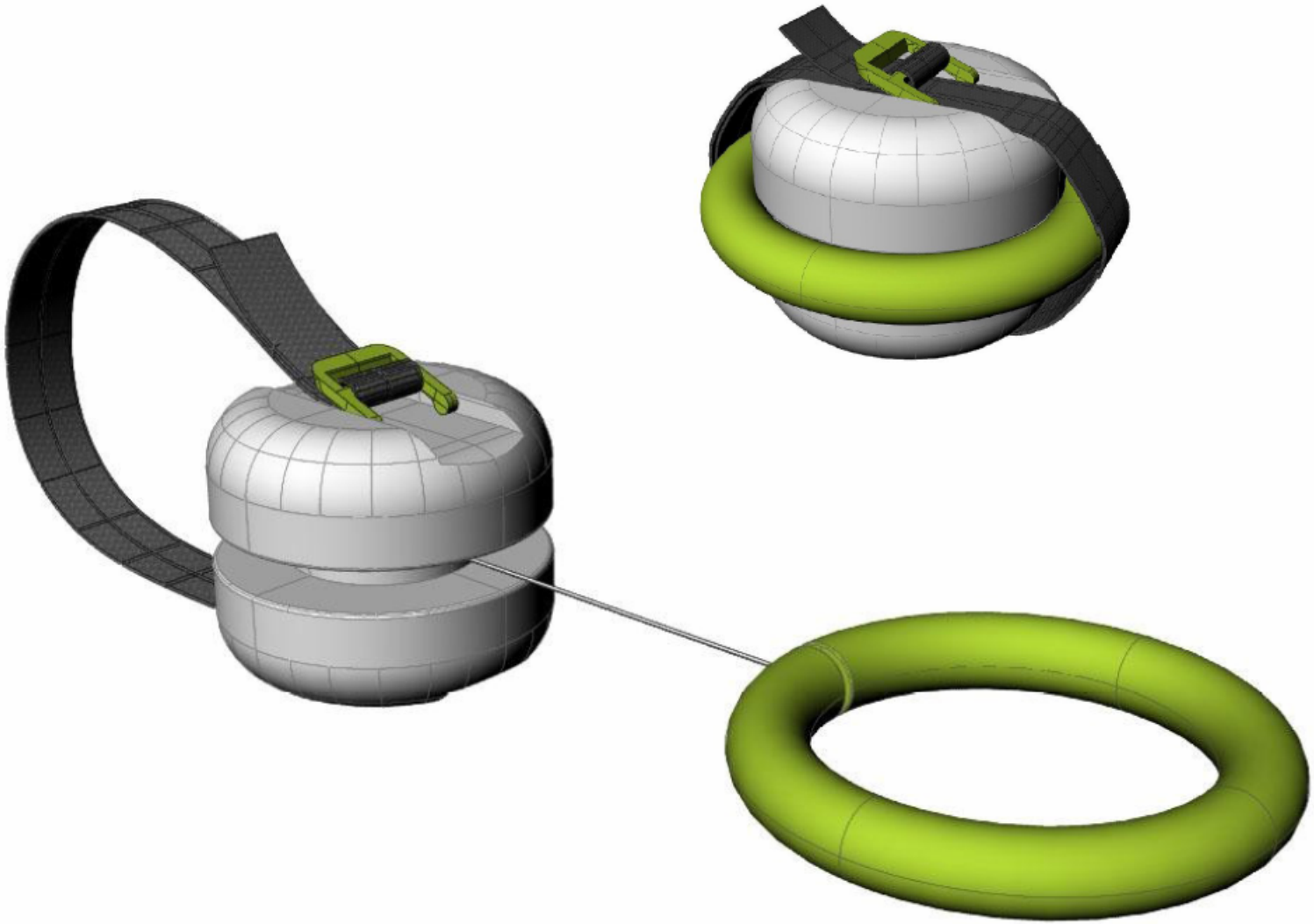
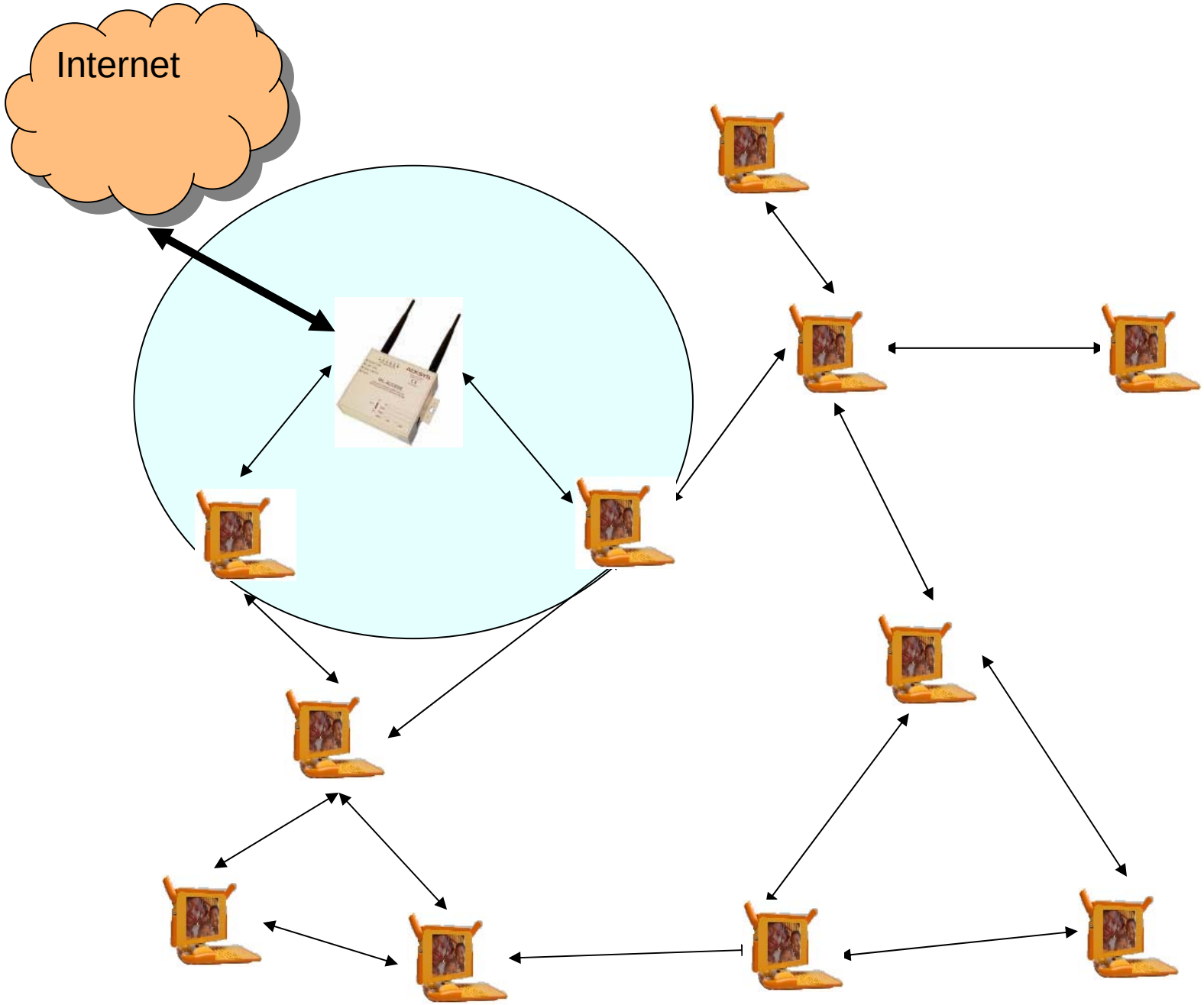
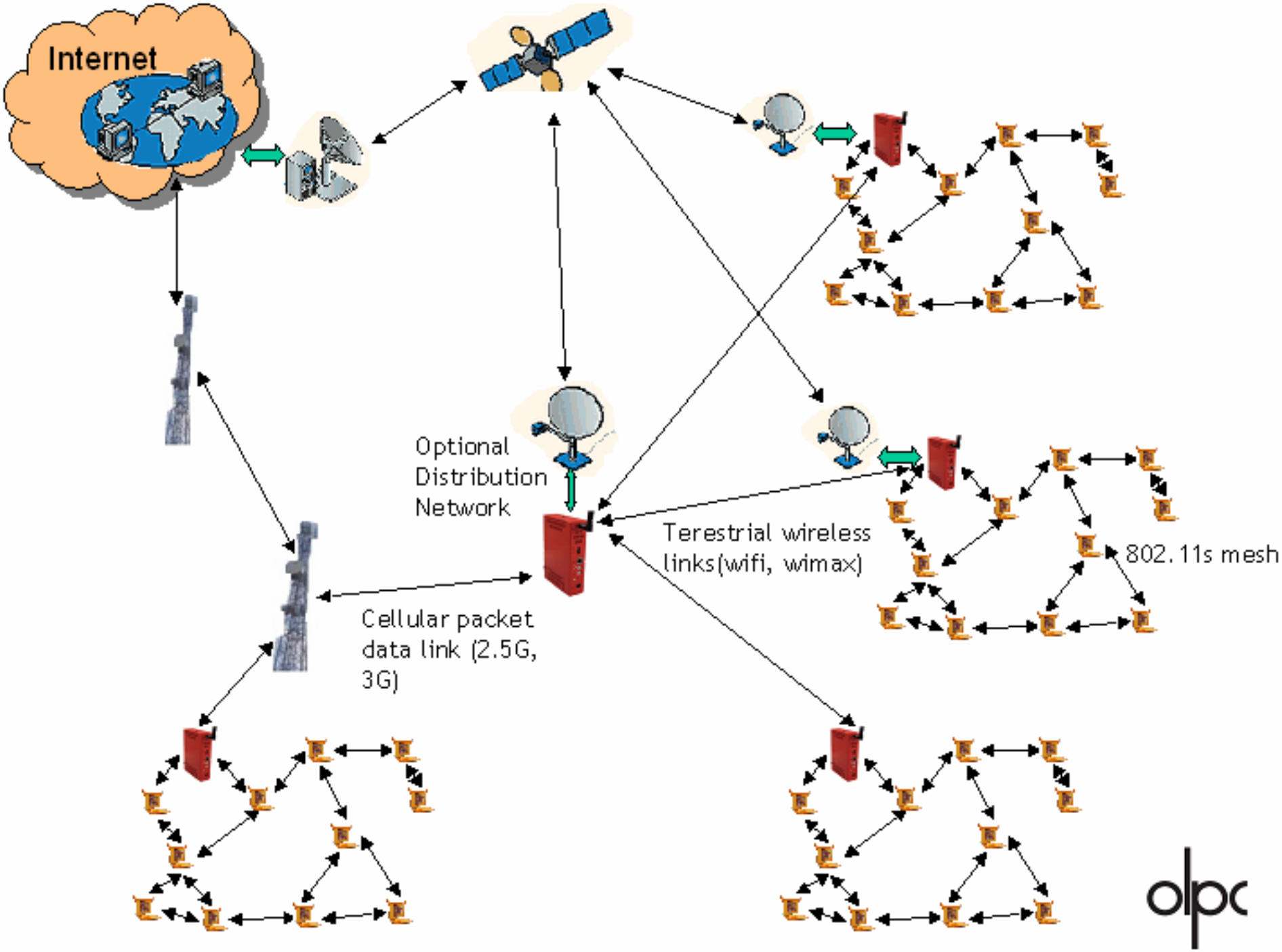
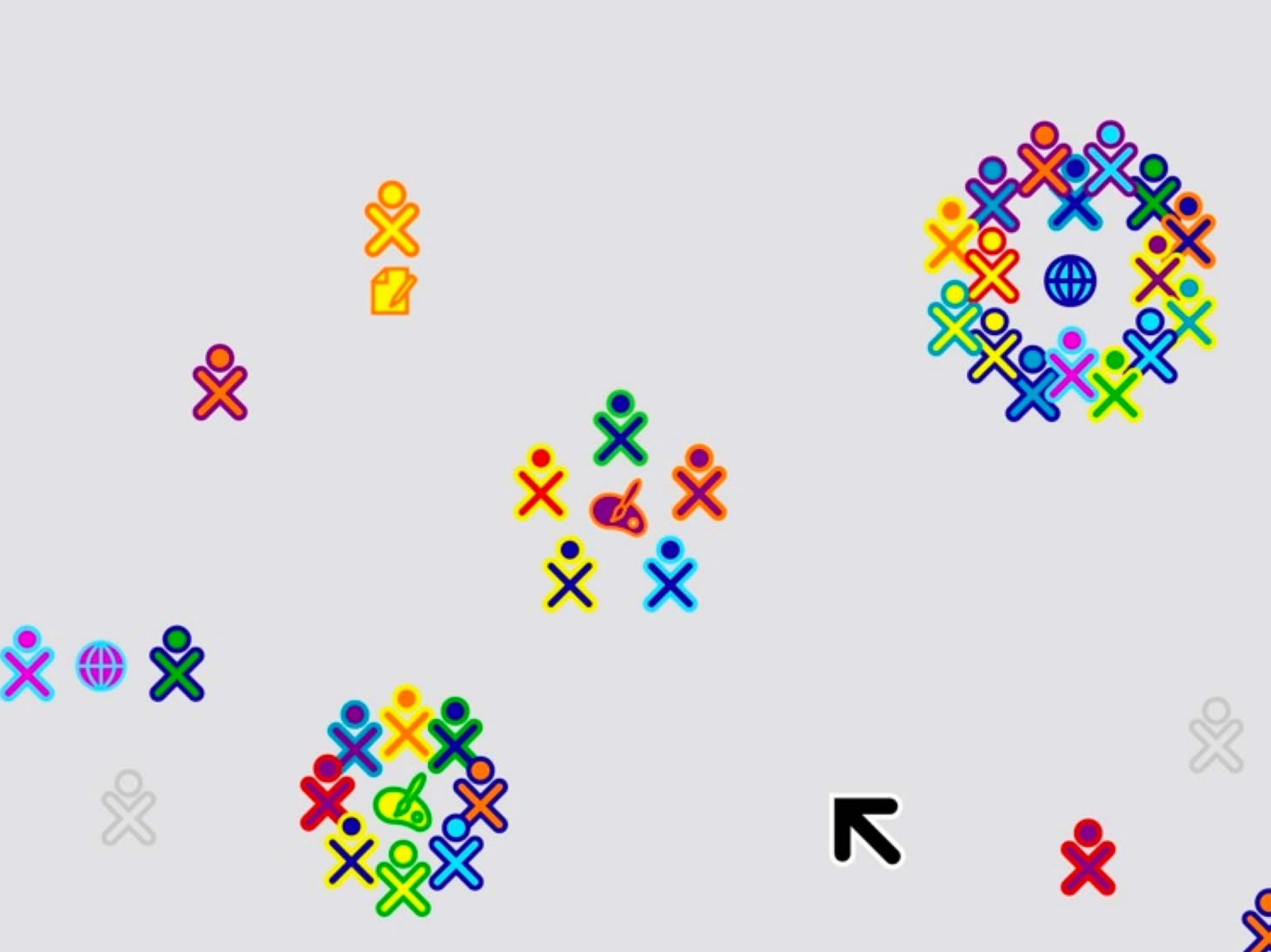
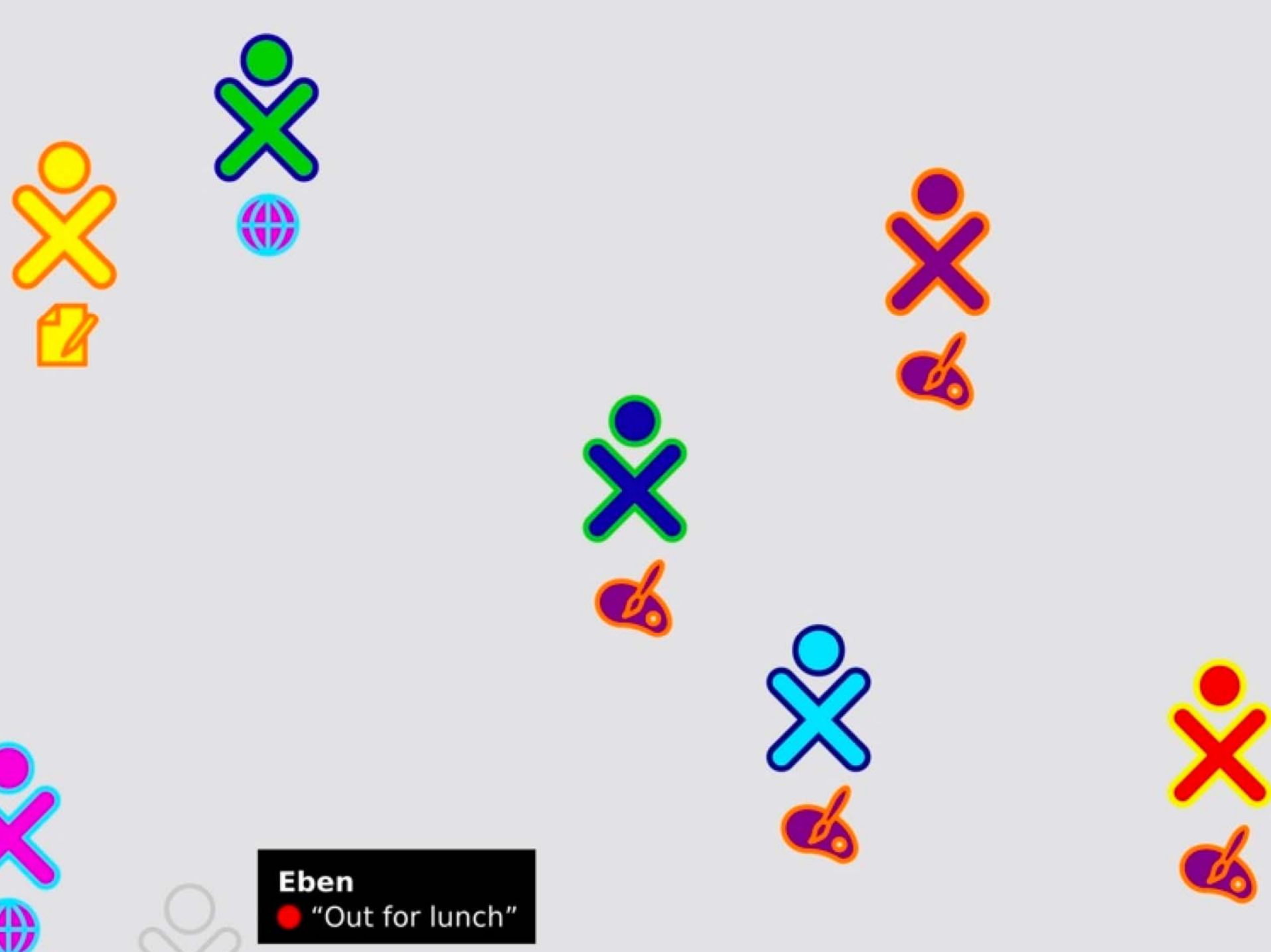
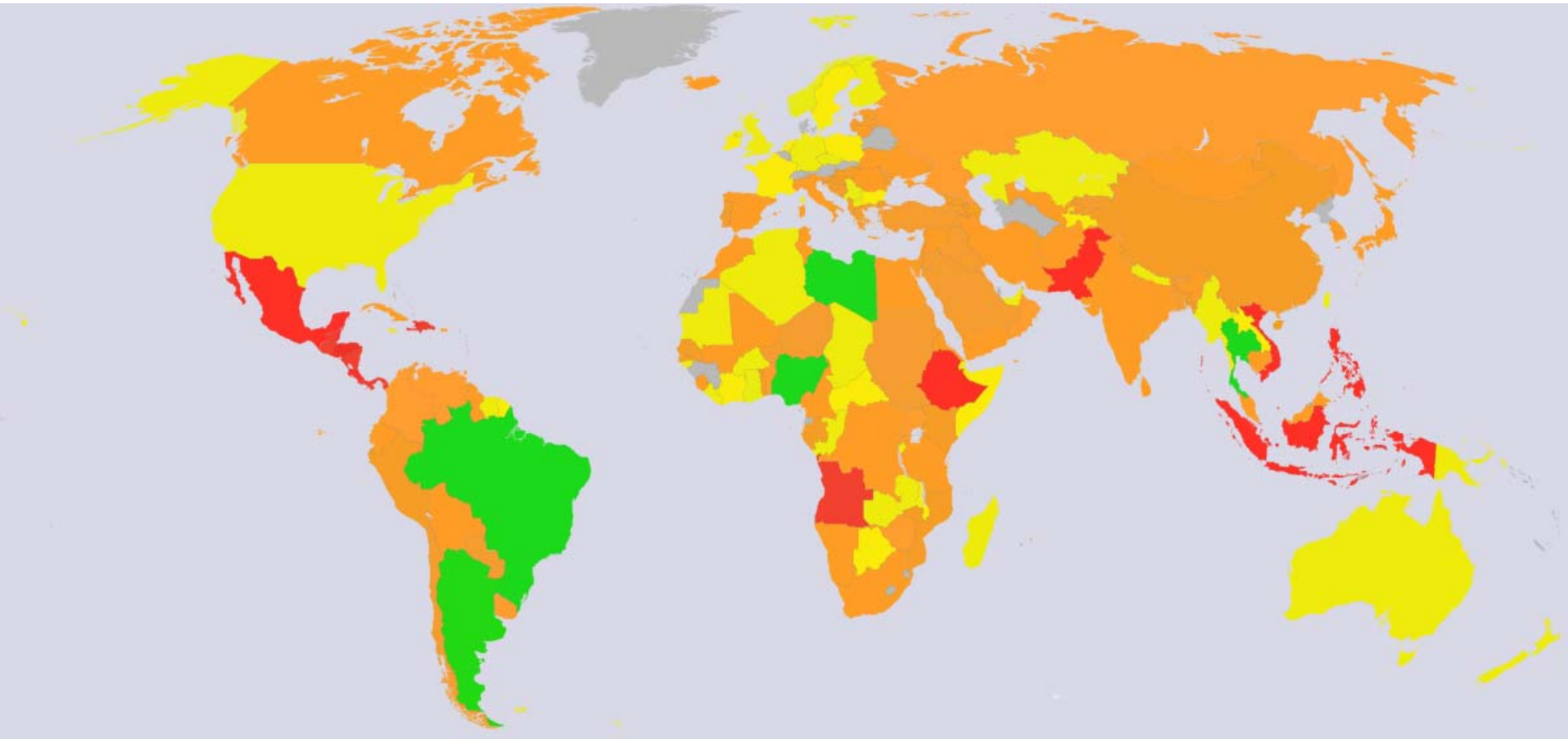



Internet


Internet
Optional
Distribution
Network
Terestrial wireless
links(wifi, wimax)
802.11s mesh
Cellular packet
data link (2.5G,
3G)




Eben
"Out for lunch"



Launch countries

Argentina
Brazil
Libya
Nigeria
Pakistan
Palestine
Rwanda
Thailand
Uruguay

In discussion with: Mexico, Romania, Ethiopia, Angola, Turkey and the Central American States

Laptop price commitment

$100 target price end of 2008
Price will float based on:
currency, memory, nickel, cobalt
$148 anticipated in 2007
constantly lowering
$ 50 target price in 2010

<u>Gray market issues</u>

Economics

Initial and launch:

- Central government funded
- Single big orders
- not USA or developed countries

Subsequently:

- **One country paying for another**
- Child-to-child funding
- Commercial subsidy
- Micro-philanthropy

……..etc.

Some side effects:

Linux on the desktop

No caps lock key

Power consciousness,
more human power

**No bloated software,
stop featuritis**

Viral telecommunications

Peer to peer everything