

**INTUG**

**Ad Hoc Committee, DC 23 April 2003**

**[www.INTUG.net](http://www.INTUG.net)**

***International  
Telecommunications Users  
Group***

**Ewan Sutherland**

Executive Director  
[ewan@intug.net](mailto:ewan@intug.net)

# INTUG contents

- INTUG
- international and inter-governmental bodies
- broadband
- mobile telecommunications
- meetings
- conclusions

# INTUG what is INTUG?

- members
  - national associations
  - corporations
  - individuals
- activities
  - ITU and WTO
  - OECD
  - APEC TEL, CITELE and EU

# INTUG our aims

- real and effective competition
- genuine choice for users
- lower prices
- higher quality
- more innovative services
- constructive co-operation with
  - international bodies
  - governments
  - regulators

# INTUG priorities

1. open access to global mobile networks
2. regulatory best practice
3. liberalization
4. leased lines
5. IP telephony
6. digital divide
7. universal access
8. numbering

# INTUG international bodies

- International Telecommunication Union
- Organisation for Economic Cooperation and Development
- APEC Telecommunications Working Group
- CITELE PCC.1 Telecommunication
- European Union
  - European Commission
  - European Regulators Group
  - European Parliament

# INTUG broadband position

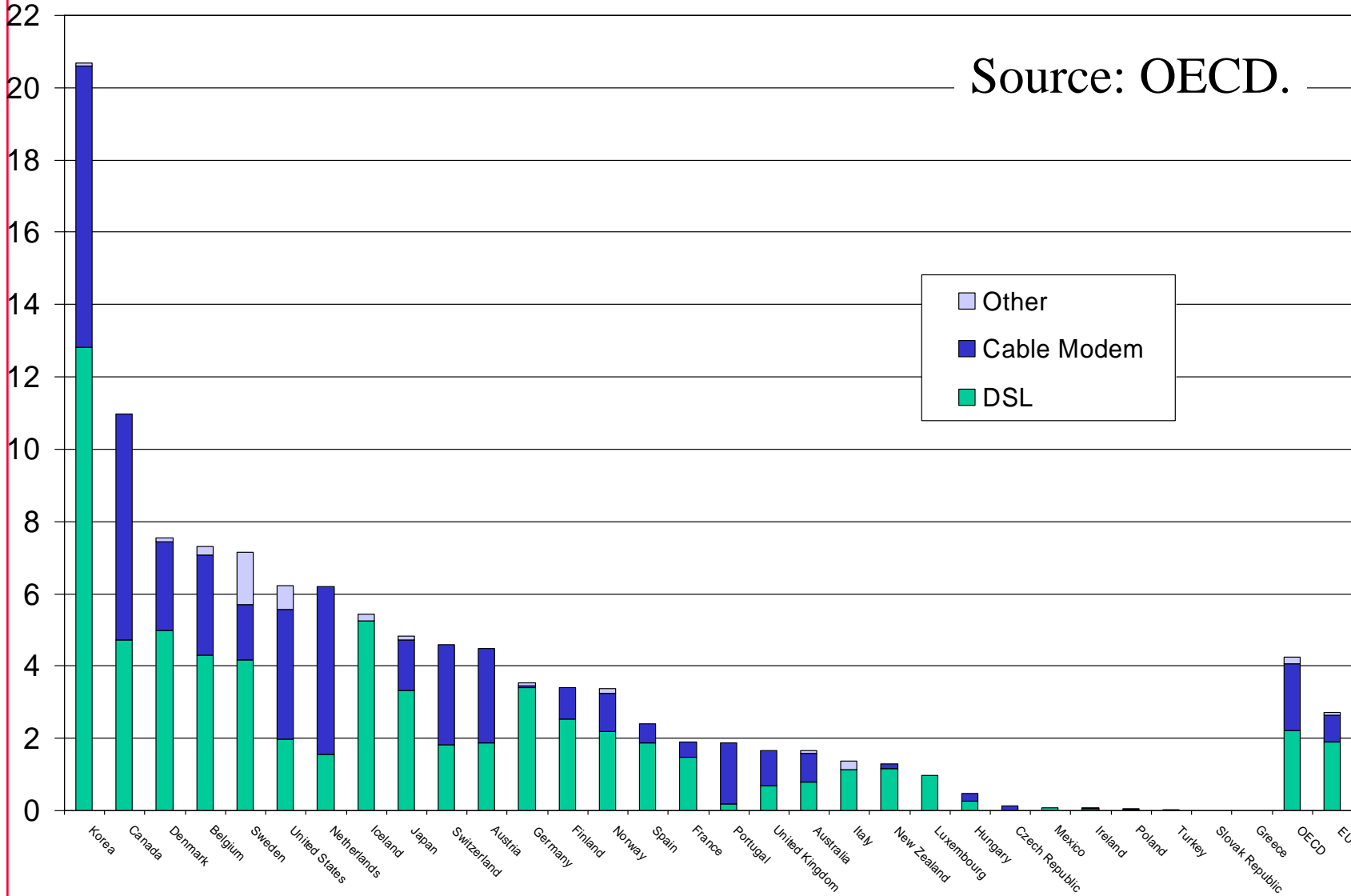
- support for local loop unbundling
- support for further analysis of the problems
- identifying and sharing best practice
  - regulation
  - operators
- concern at incumbent tactics
  - delaying
  - strangling

# INTUG

# Broadband lines per 100 population, September 2002

Ad Hoc Committee, DC 23 April 2003

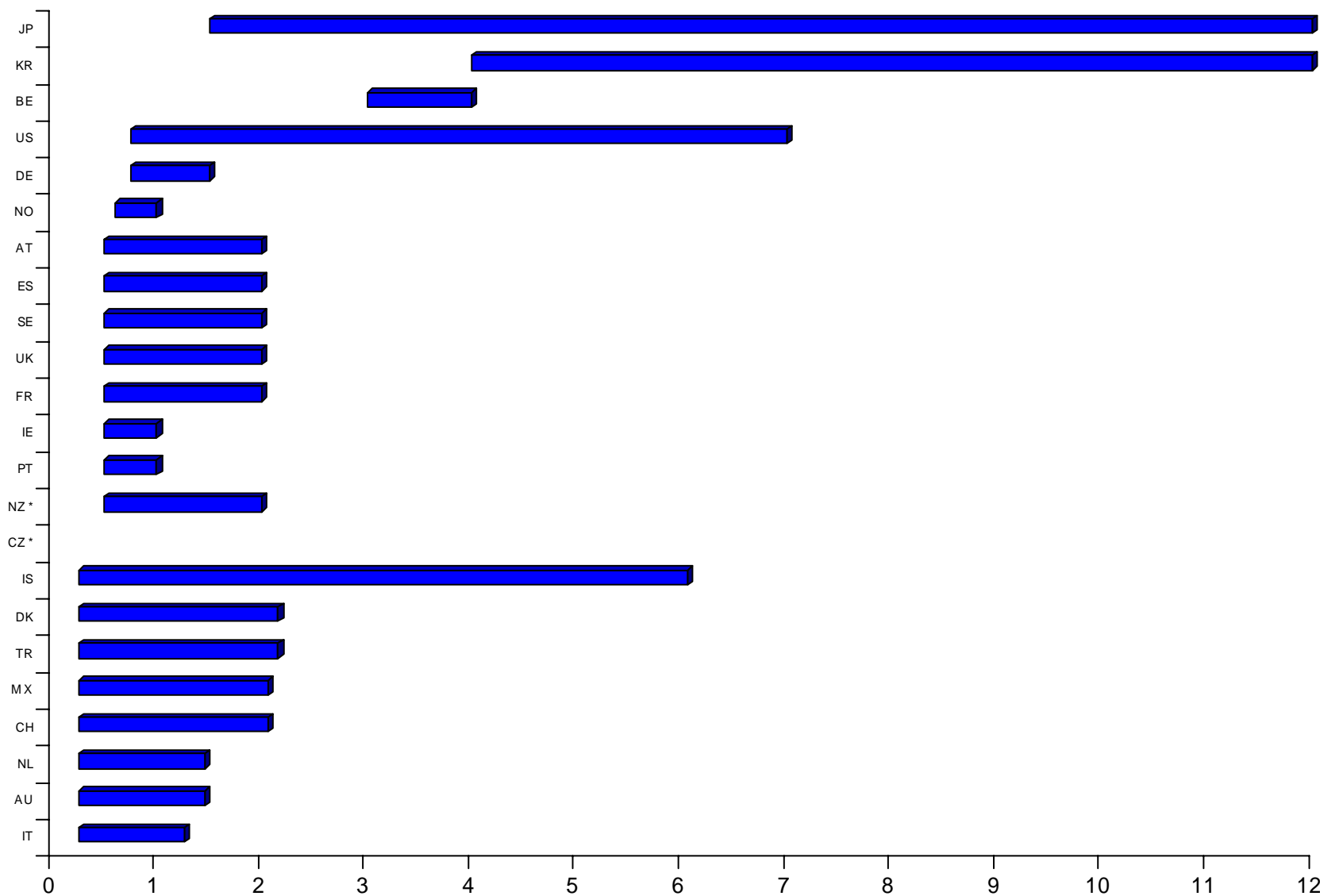
[www.INTUG.net](http://www.INTUG.net)





# INTUG

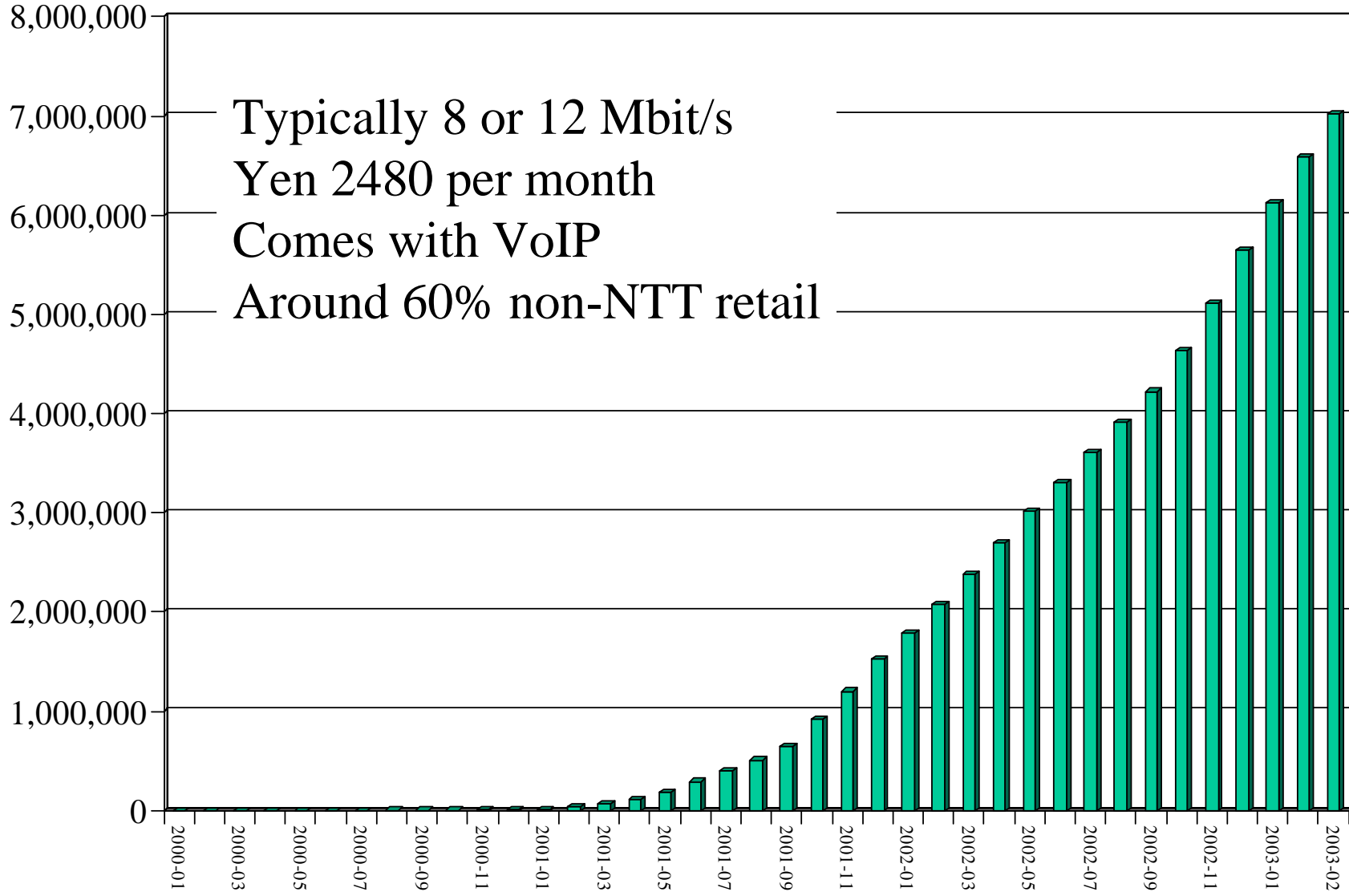
range of broadband speeds available (Mbit/sec)



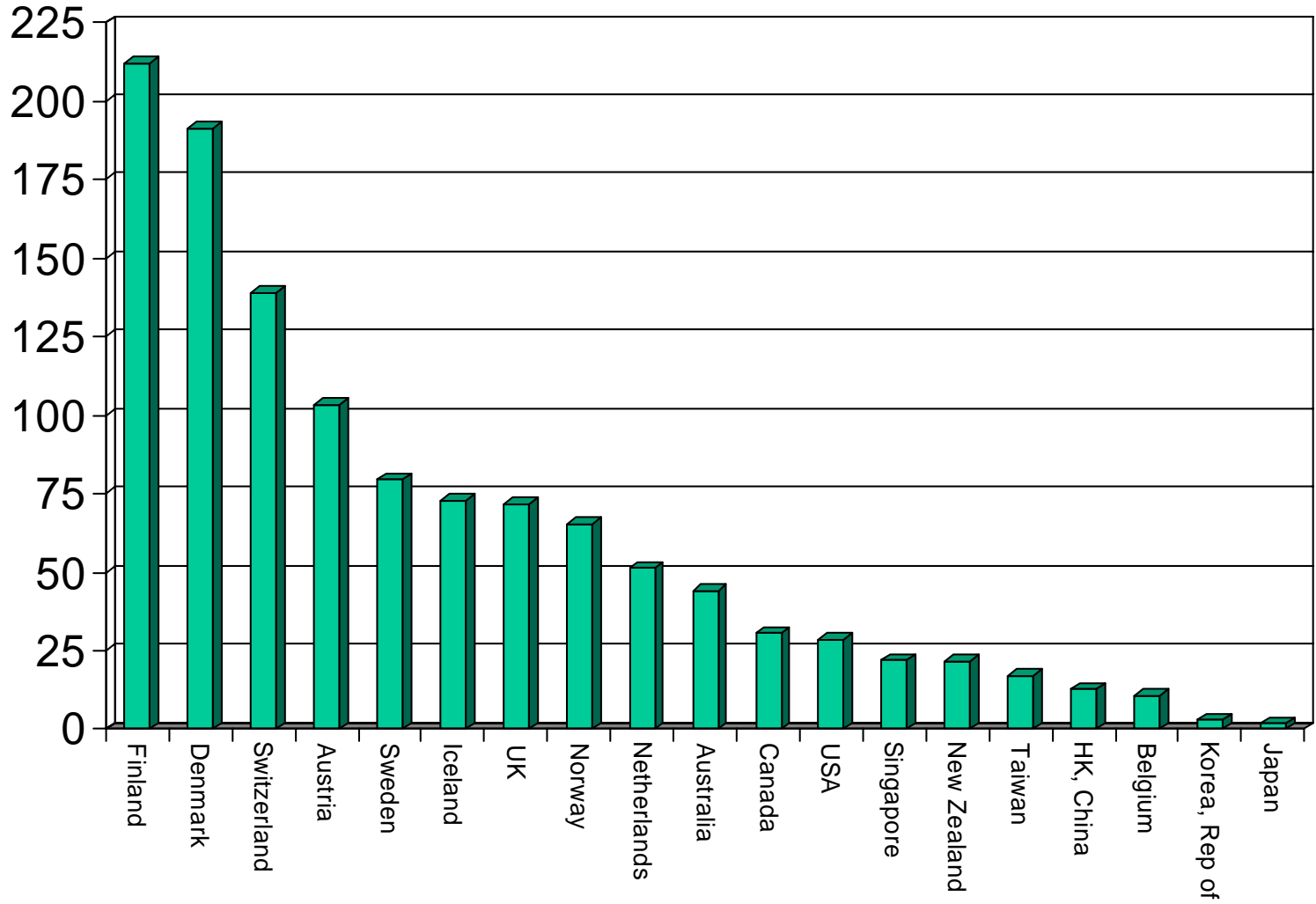
# INTUG ADSL in Japan

Ad Hoc Committee, DC 23 April 2003

[www.INTUG.net](http://www.INTUG.net)



## Price (US\$) per 1Mbit/s per month, April 2003



# INTUG what do you get for € 30?

	days	down	up	
Japan	51	8	1	Yahoo! BB
Japan	47	12	1	Yahoo! BB
Belgium	26	3	0.128	Belgacom
Hong Kong	26	3	1	Netvigator
USA	25	0.340	0.128	Verizon
Denmark	25	0.256	0.128	TDC
Hong Kong	19	6	1	Netvigator
Greece	16	0.384	0.128	OTE
Denmark	10	1	0.256	TDC

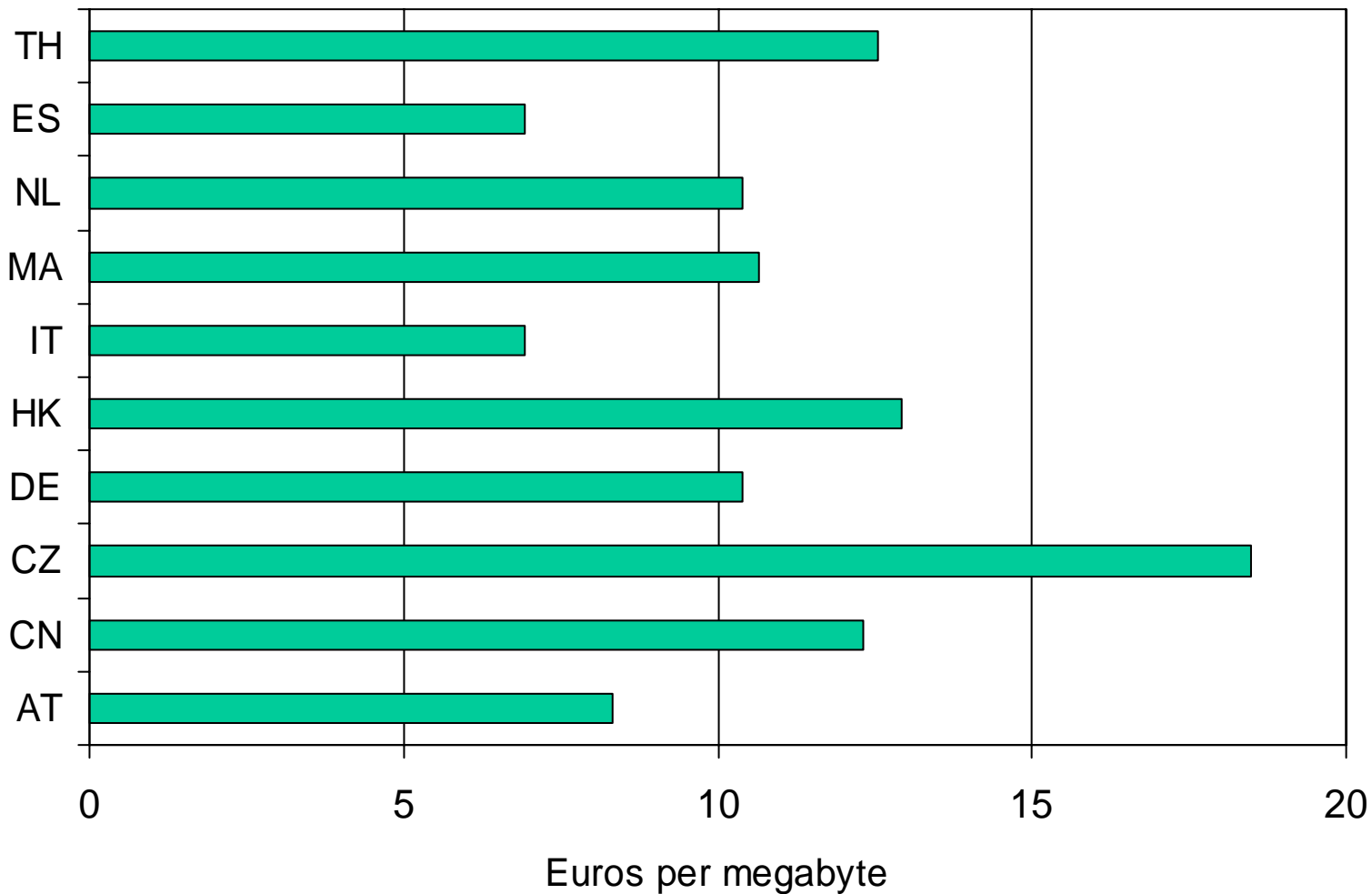
# INTUG mobile telecommunications

- number portability
- international roaming charges
- fixed-to-mobile call termination
- access to global services
- monitoring WLAN roll-out

# INTUG USA and UK

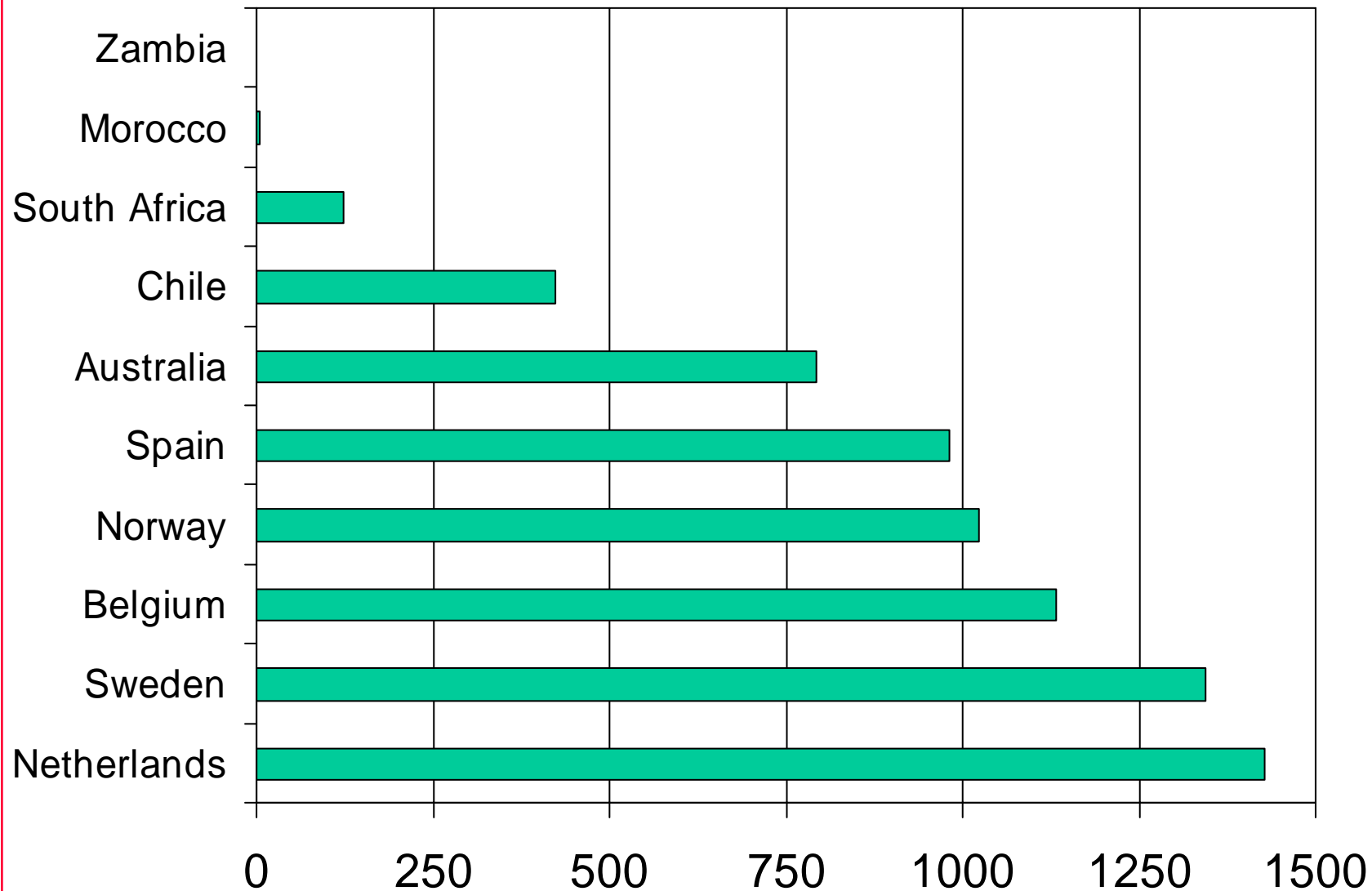
- BT
  - UK fixed to USA fixed 14p/min (8.99p off-peak)
  - UK fixed to USA cellphone 19p/min (13.99p off-peak)
- Vodafone
  - UK GSM to USA ???
  - T-mobile roamer
    - calling to USA or receiving from USA US\$ 0.99/min
- Verizon
  - USA to UK fixed US\$ .08/min (US\$ 1.88 with no sub.)
  - USA to UK mobile US\$ 0.30/min
- Sprint
  - fixed 0.14/min +0.22/min mobile surcharge
- T-Mobile
  - USA GSM to UK US\$ 0.29/min
  - Vodafone roamer
    - calling to UK 82p/min
    - receiving a call from UK 110p/min
- Vonage
  - USA Internet to UK fixed US\$ 0.06
  - USA Internet to UK mobile US\$ 0.20
  - the same when roaming in UK

Price per minute  
Min \$ 0.06 £ 0.04  
Max \$ 1.73 £1.10



Source: Singtel. Currently "free" in Australia, Denmark, Finland, Indonesia, Malaysia

# INTUG fixed/mobile price difference (%)



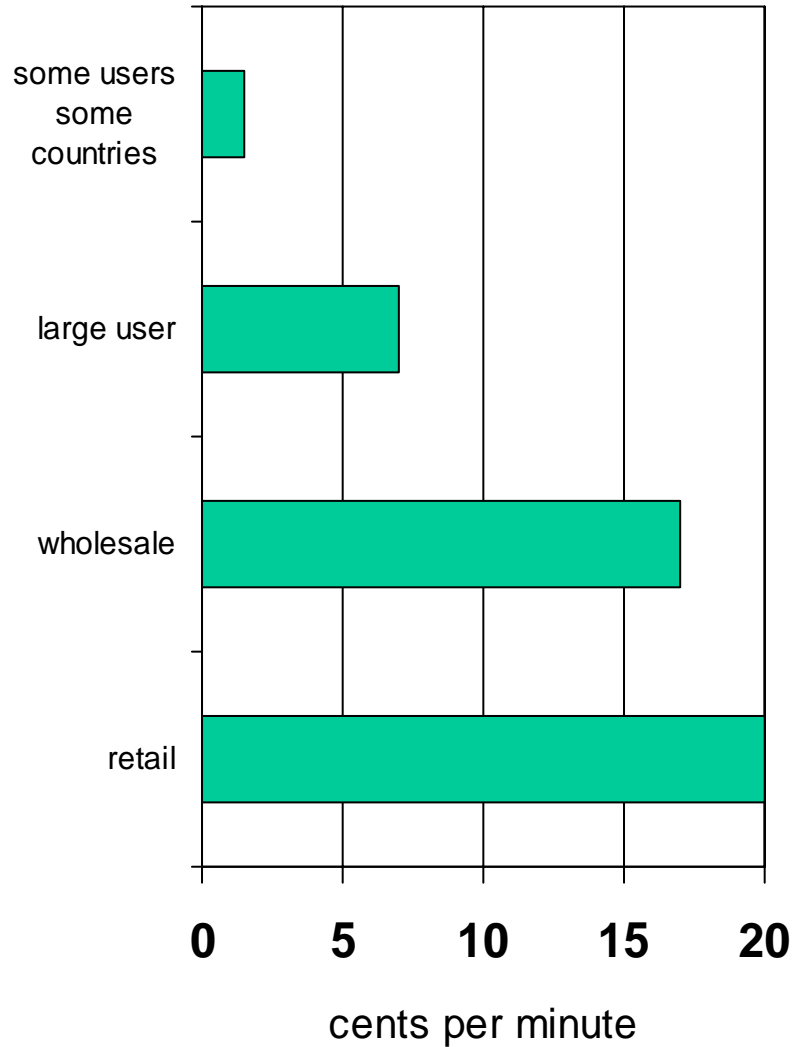
Source: INTUG from spot market.



# INTUG discrimination

Ad Hoc Committee, DC 23 April 2003

[www.INTUG.net](http://www.INTUG.net)



- against new fixed entrants
- some very modest signs of counter-vailing buyer power for large users
- “cost” seems to around 5-6 cents/min

Source: INTUG.

# INTUG fixed-to-mobile

- raised with:
  - European Commission
  - Federal Communications Commission
  - ITU
  - CITELE
  - APECTEL
- cost data was very unclear
- painfully slow price reductions
- fierce rearguard actions by MNOs

# INTUG meetings

- three per year
- 2002
  - Amsterdam Madrid and Stockholm
- 2003
  - Zurich (January)
  - Washington, DC (11-12 June)
  - Brussels (16-17 October)
- 2004
  - Zurich (January)

# INTUG conclusions

- important role
  - between national groups
  - informing international bodies
- countering carrier propaganda
- sharing of best regulatory practice
- sharing of best operators practice

# INTUG thank you

Ewan Sutherland

INTUG

Boulevard Reyers 80

B-1030 Brussels

+32.2.706.8255

<http://www.intug.net/talks.html>