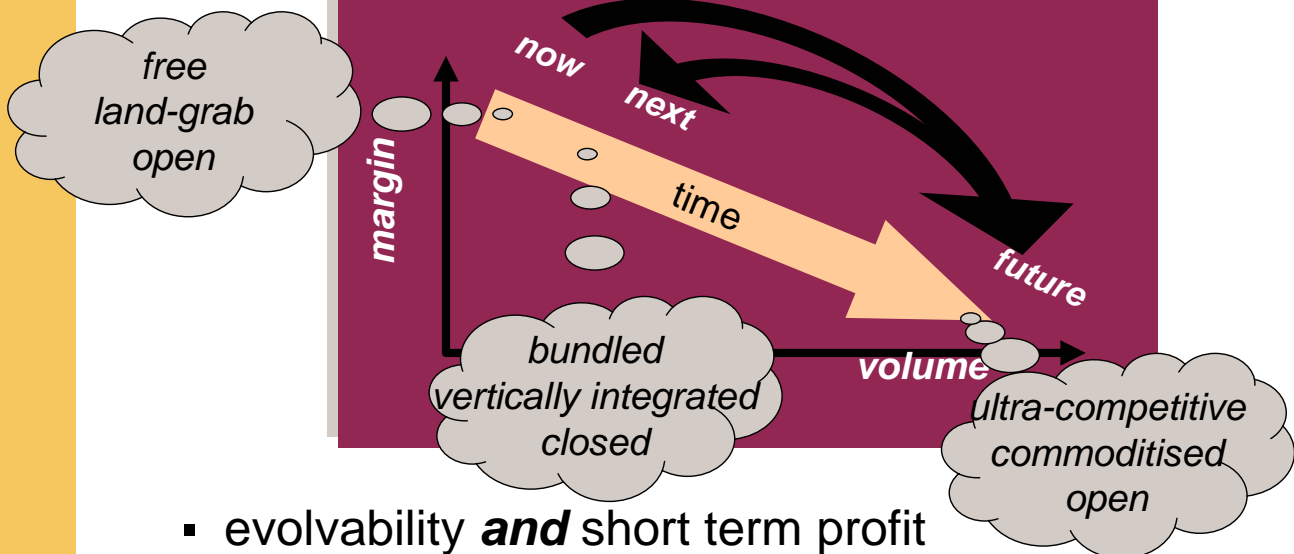**Market Managed Multiservice Internet**

M3I

Market Managed Multi-service Internet

www.m3i.org/

Bob Briscoe
BTexact Research,
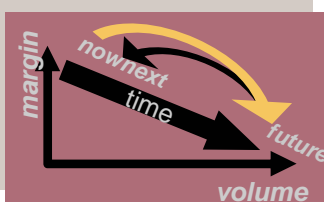University College London
& M3I Technical Director

ist
information society technologies

UCL

BTexact
TECHNOLOGIES

BTexact
TECHNOLOGIES

prime directive

- evolvability **and** short term profit
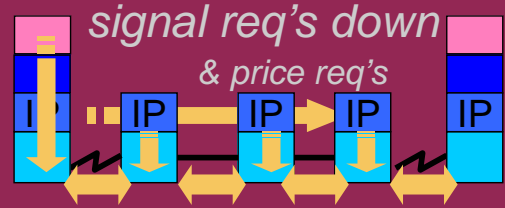- open by design; closed by policy choice
  - minimise then synthesise

Market
Managed
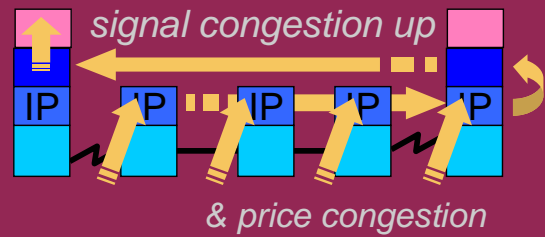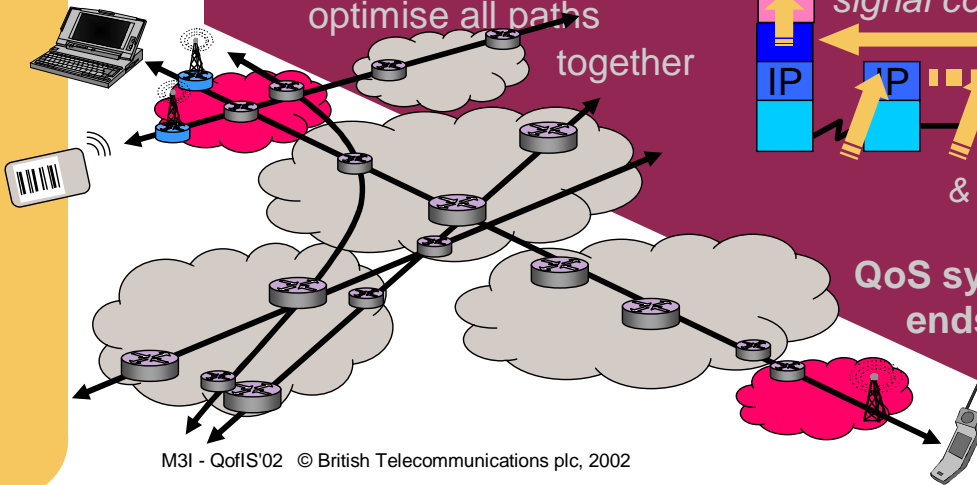Mobile
Multi-service
Internet

M^4I

margin
nownext
time
future
volume

truly end to end QoS

☒ traditional:
optimise each subnet separately
e.g. Diffserv (open-loop)

signal req's down
& price req's

IP IP IP IP IP

☑ new:
optimise all paths together

signal congestion up

IP IP IP IP IP

& price congestion

QoS synthesised by the ends (closed-loop)

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margin
nownext
time
future
volume

pull in control
from ends to edges
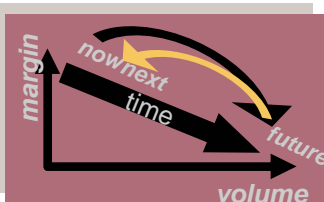
ECN/RSVP gateways
- only ECN marking across cloud
- RSVP in access, not enabled in cloud

RESV

DSCP3   DSCP3

DSCP3

DSCP2