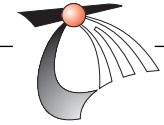


**HET CEO-PROJECT
EEN EERSTE POGING TOT
WWW BEHEER**

Aiko Pras

**CTIT WORKSHOP
19 APRIL 1996
BAD BOEKELO**



BACKGROUND

JOINT RESEARCH CENTRE (JRC)

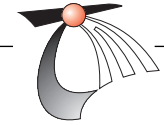
- EUROPEAN COMMISSION
- ISPRA - ITALY

CENTRE FOR EARTH OBSERVATION (CEO)

PROVIDERS OF
EARTH OBSERVATION DATA

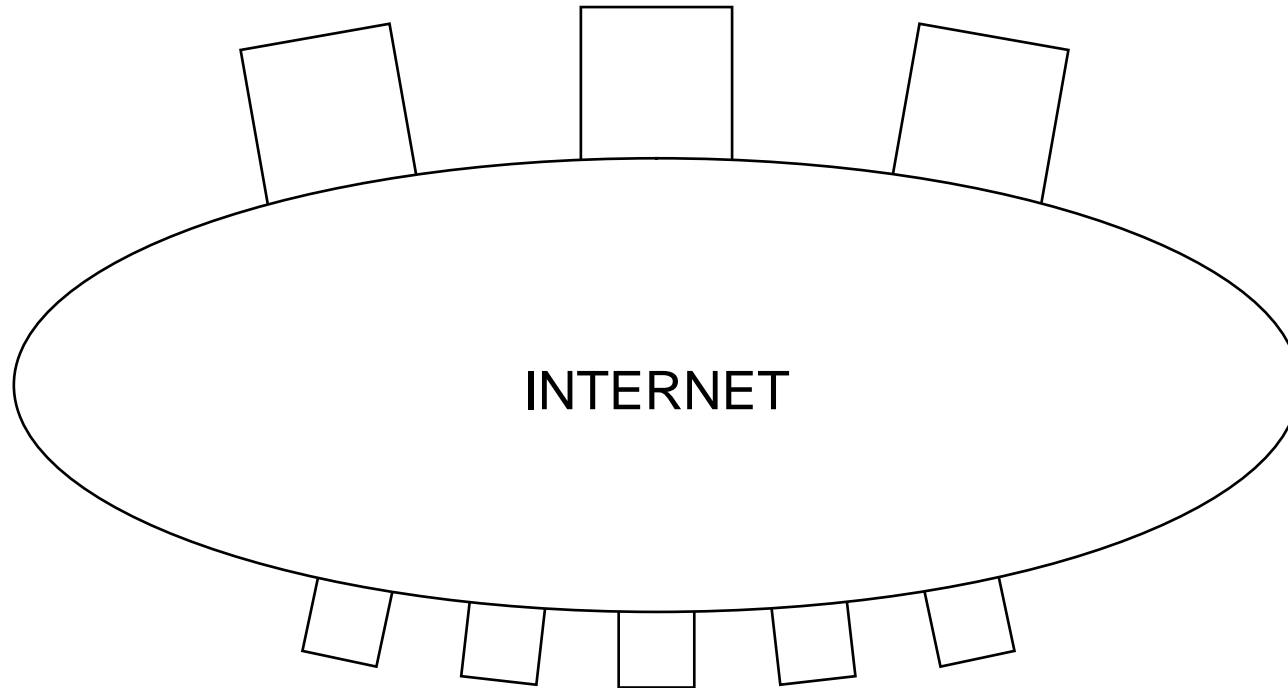


USERS OF
EARTH OBSERVATION DATA

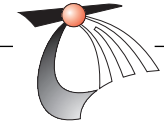


BACKGROUND

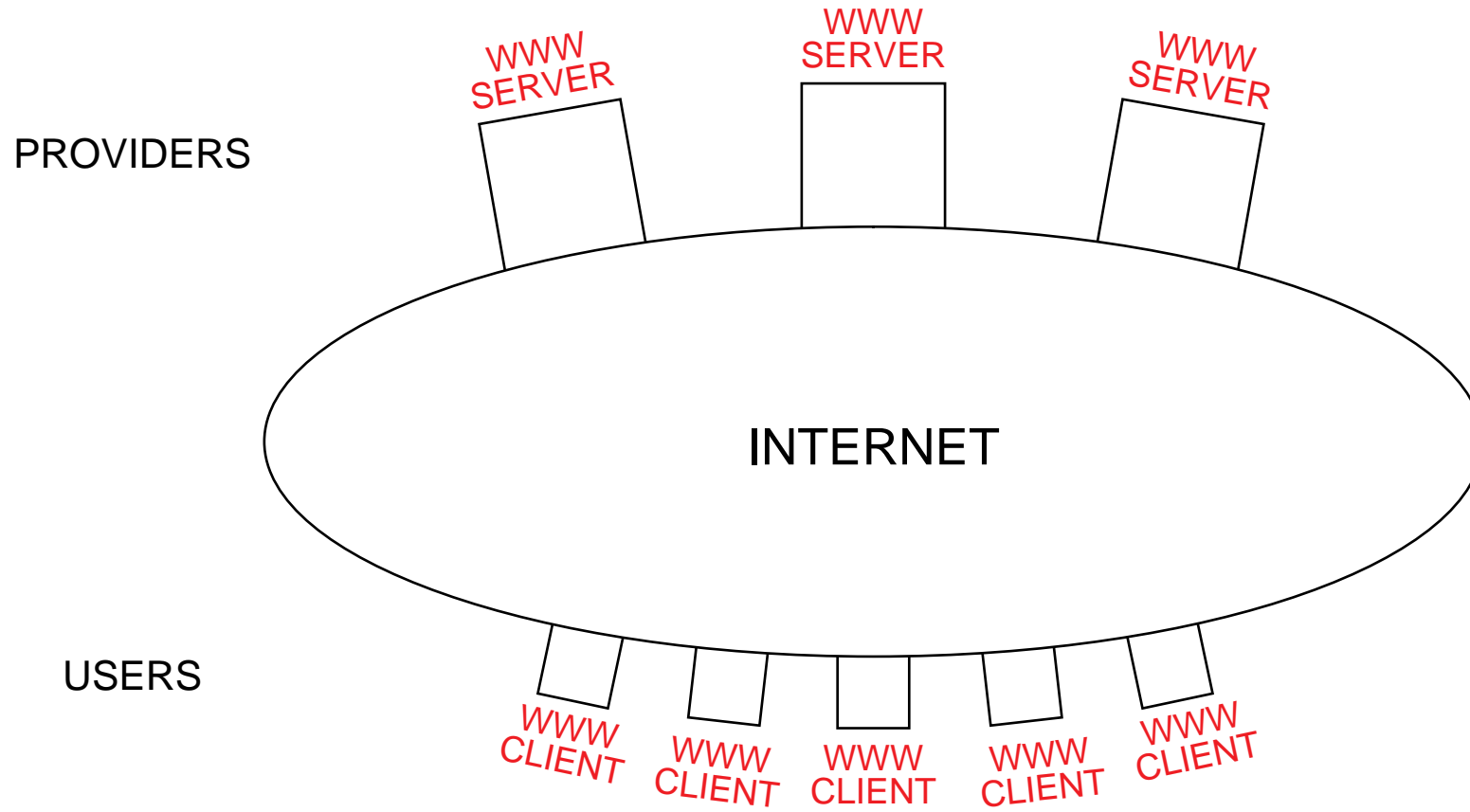
PROVIDERS

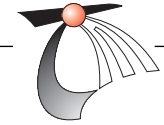


USERS

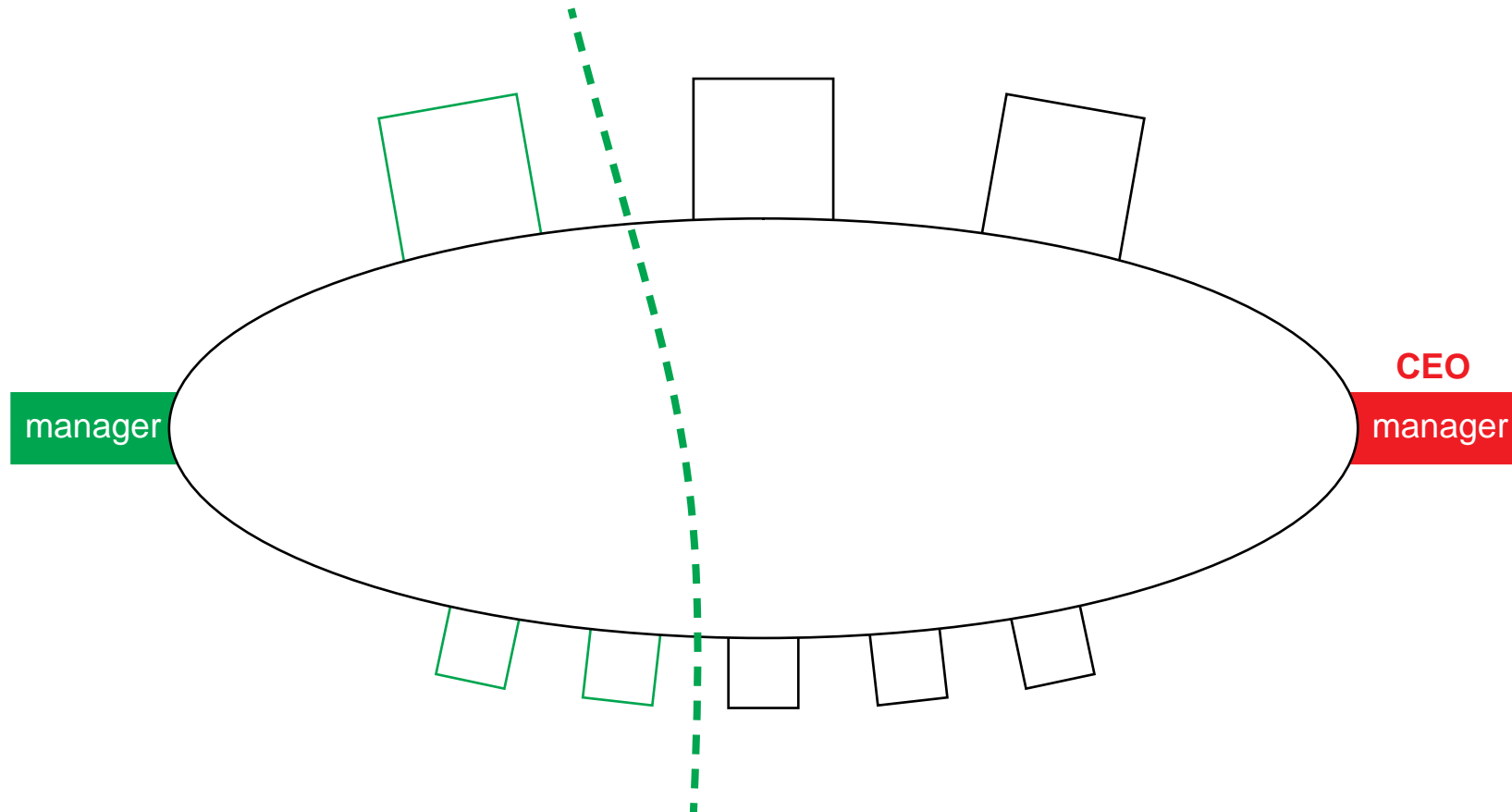


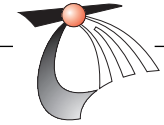
BACKGROUND



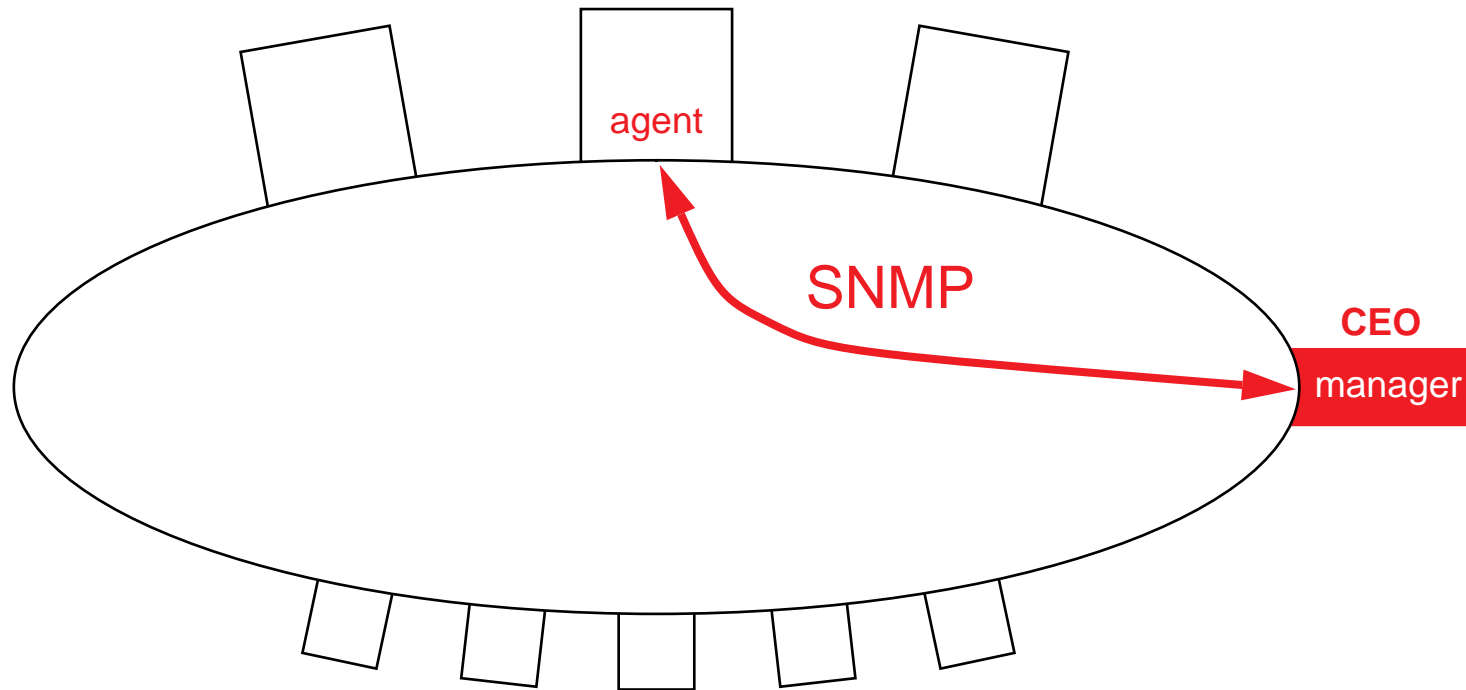


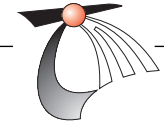
BACKGROUND





BACKGROUND





PROOF OF CONCEPT

WWW MANAGEMENT:

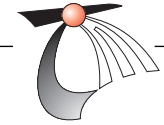
- DESIGN AND DEMONSTRATION
 - FIRST PROJECT OF A SERIE

PARTNERS:

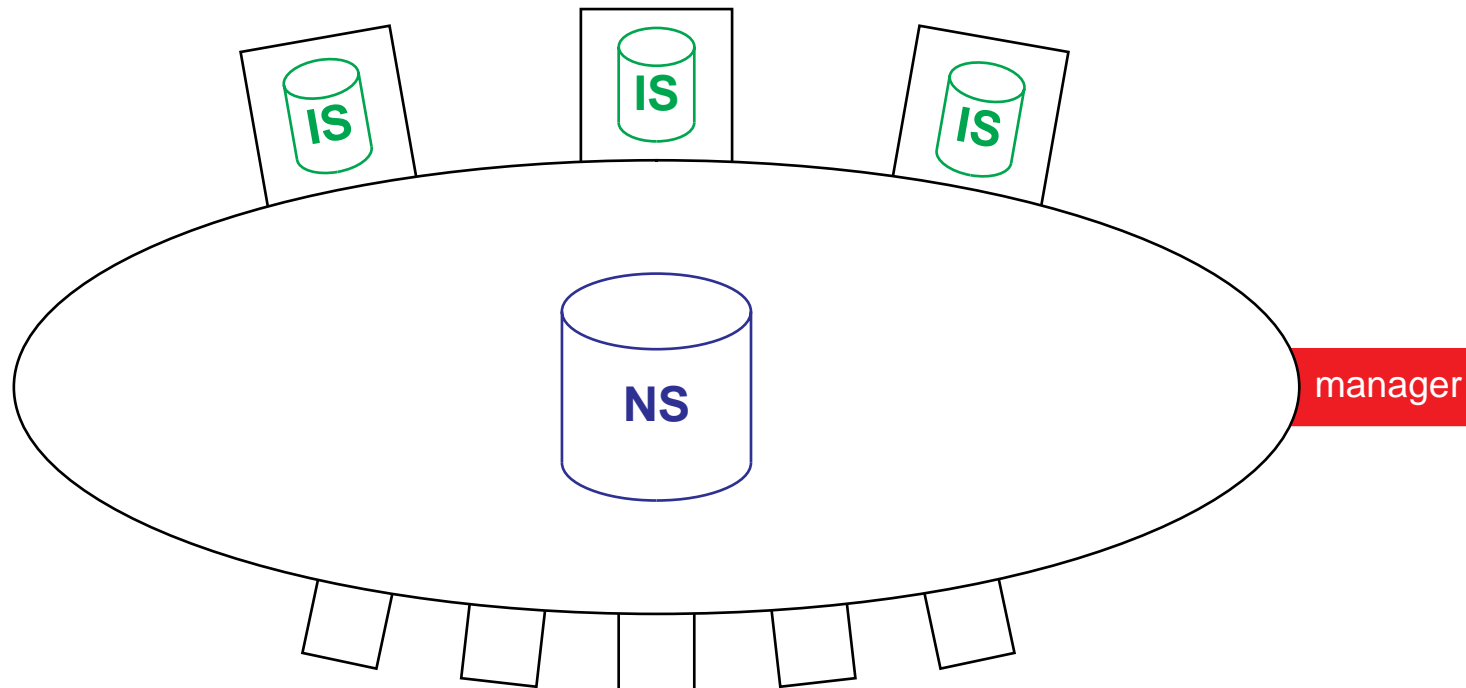
- ESYS LTD. - GUILDFORD, UK
 - CTIT - UT, NL
- 9 MONTHS - 120.000 ECU

WORK DIVISION:

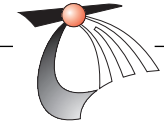
- ARCHITECTURE: ESYS & CTIT
 - MANAGER: ESYS
 - AGENT: CTIT



ARCHITECTURE



IS = INFORMATION STORE MIB
NS = NETWORK SERVICE MIB
MIB = MANAGEMENT INFORMATION BASE



MIBS

IS-MIB:

- GENERAL INFORMATION ABOUT THE SERVER
 - ACCESS INFORMATION
 - DOCUMENT INFORMATION
 - ERROR INFORMATION

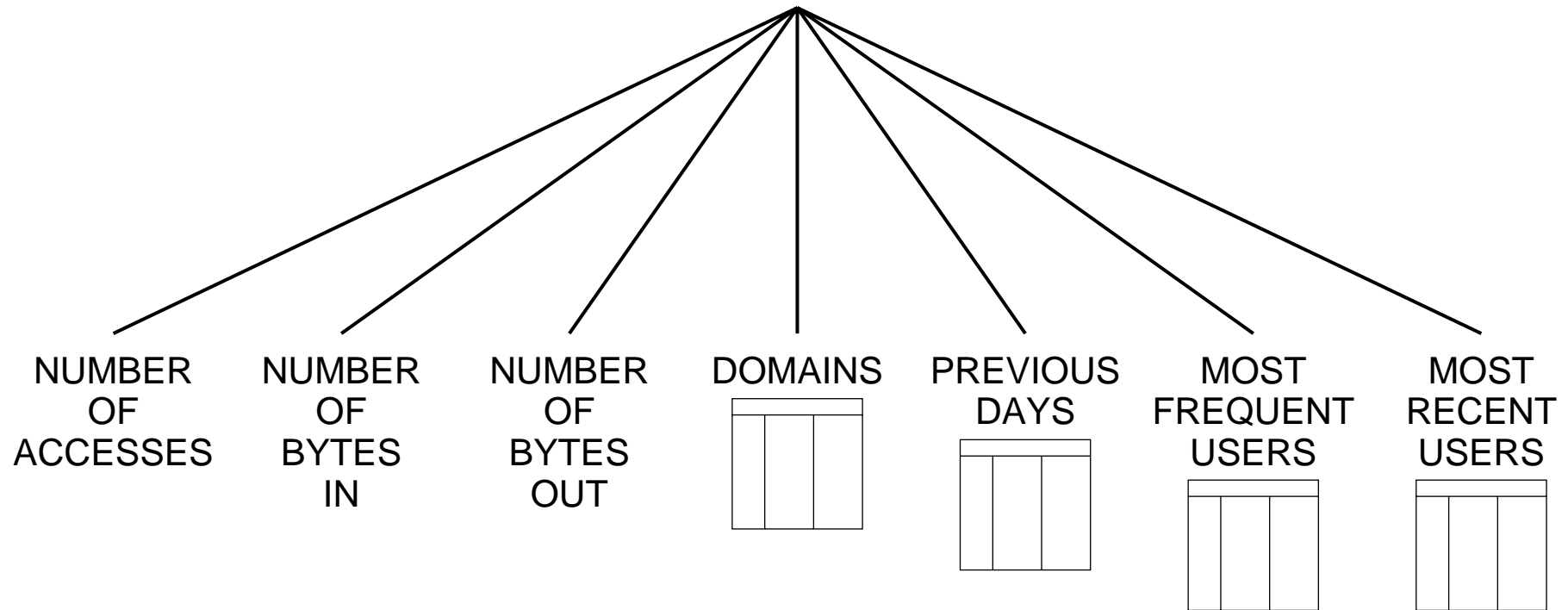
NS-MIB:

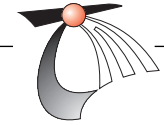
- USER INFORMATION
- TRAFFIC PATTERNS
- QUALITY OF SERVICE (QoS)



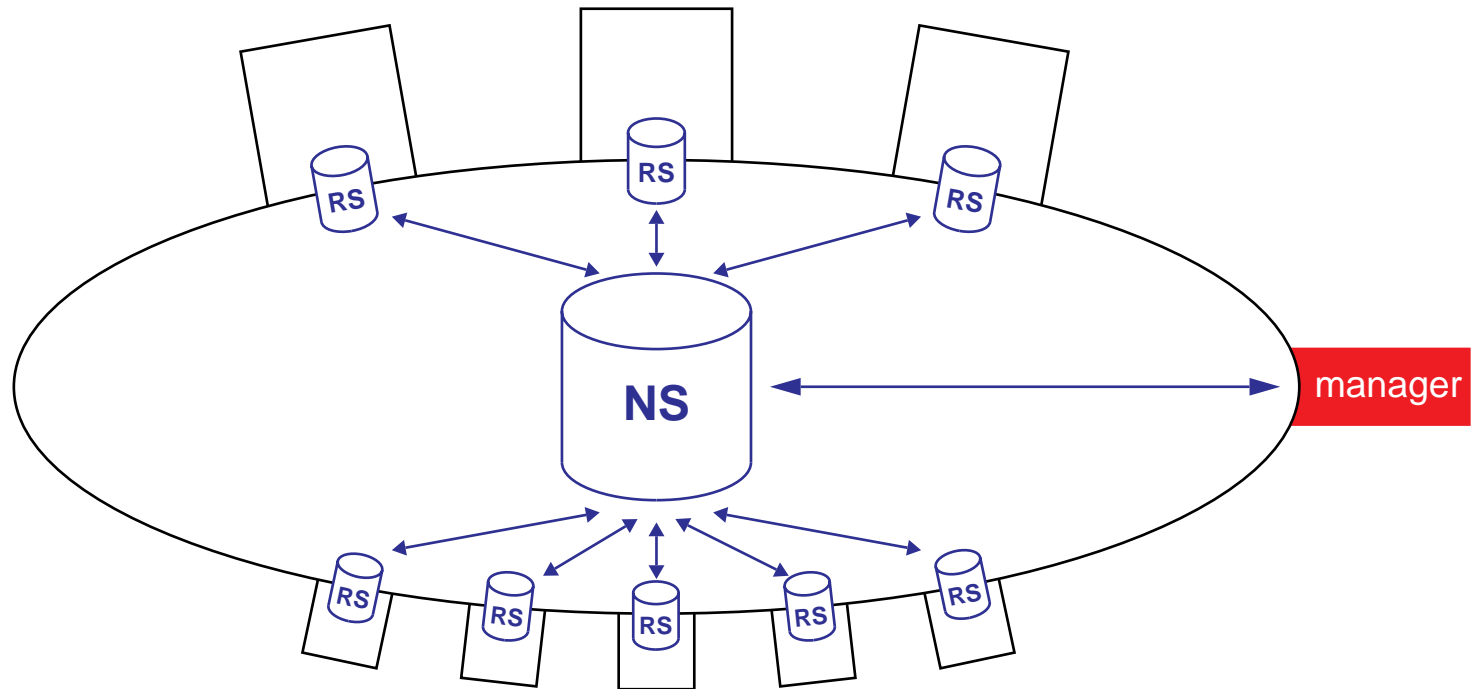
IS-MIB

ACCESS INFORMATION

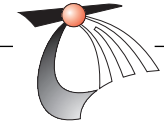




NS-MIB



NS = NETWORK SERVICE MIB
RS = RETRIEVAL SERVICE MIB



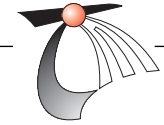
RS-MIB

TRAFFIC PATTERN:

- # REQUESTS
- # INDICATIONS
- # RESPONSES
- # CONFIRMS

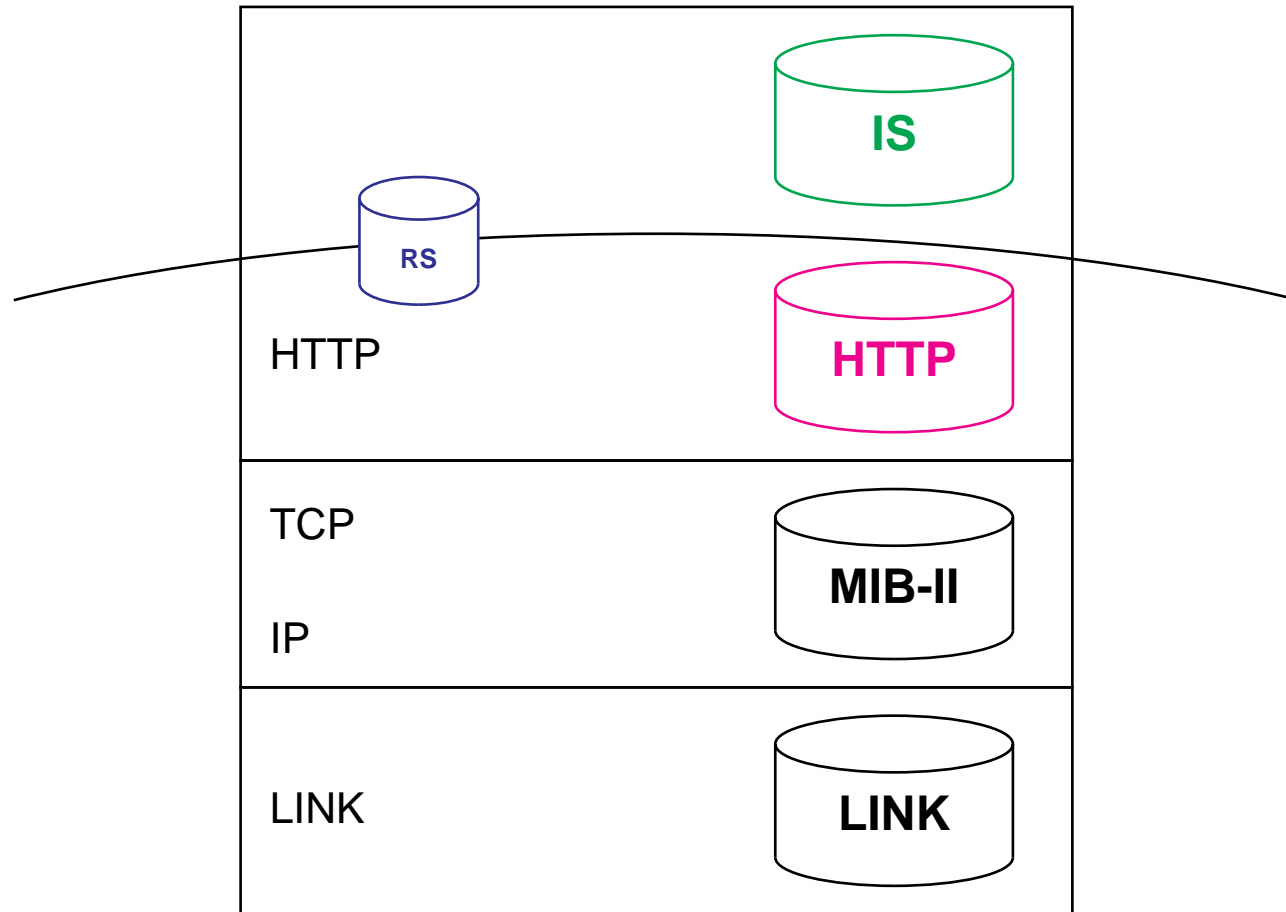
QUALITY OF SERVICE:

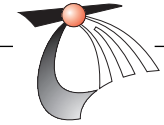
- DELAY PER DESTINATION
- THROUGHPUT PER DESTINATION
 - # TIME-OUTS
 - # ERRORS



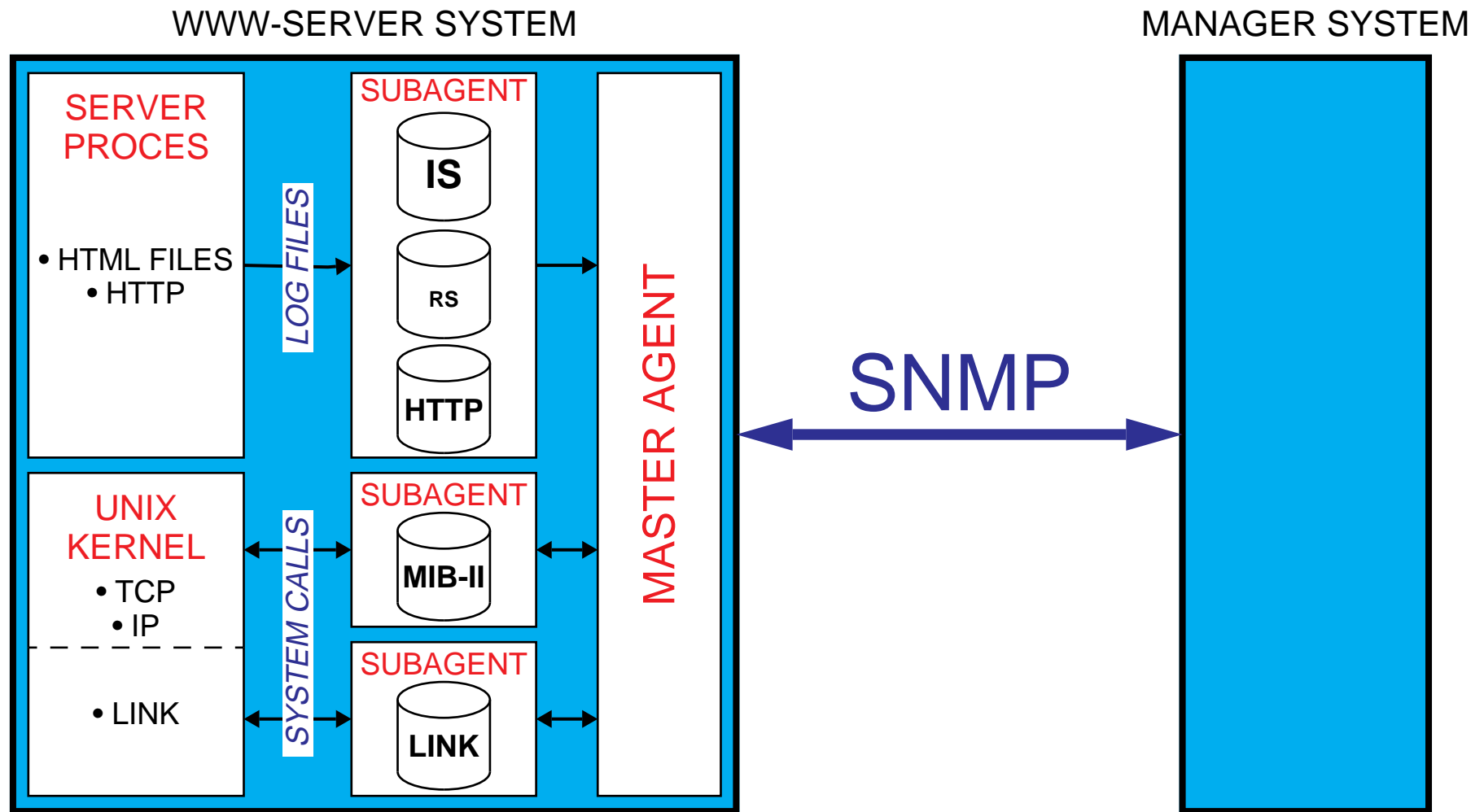
OTHER-MIBS

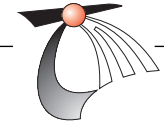
WWW-SERVER SYSTEM



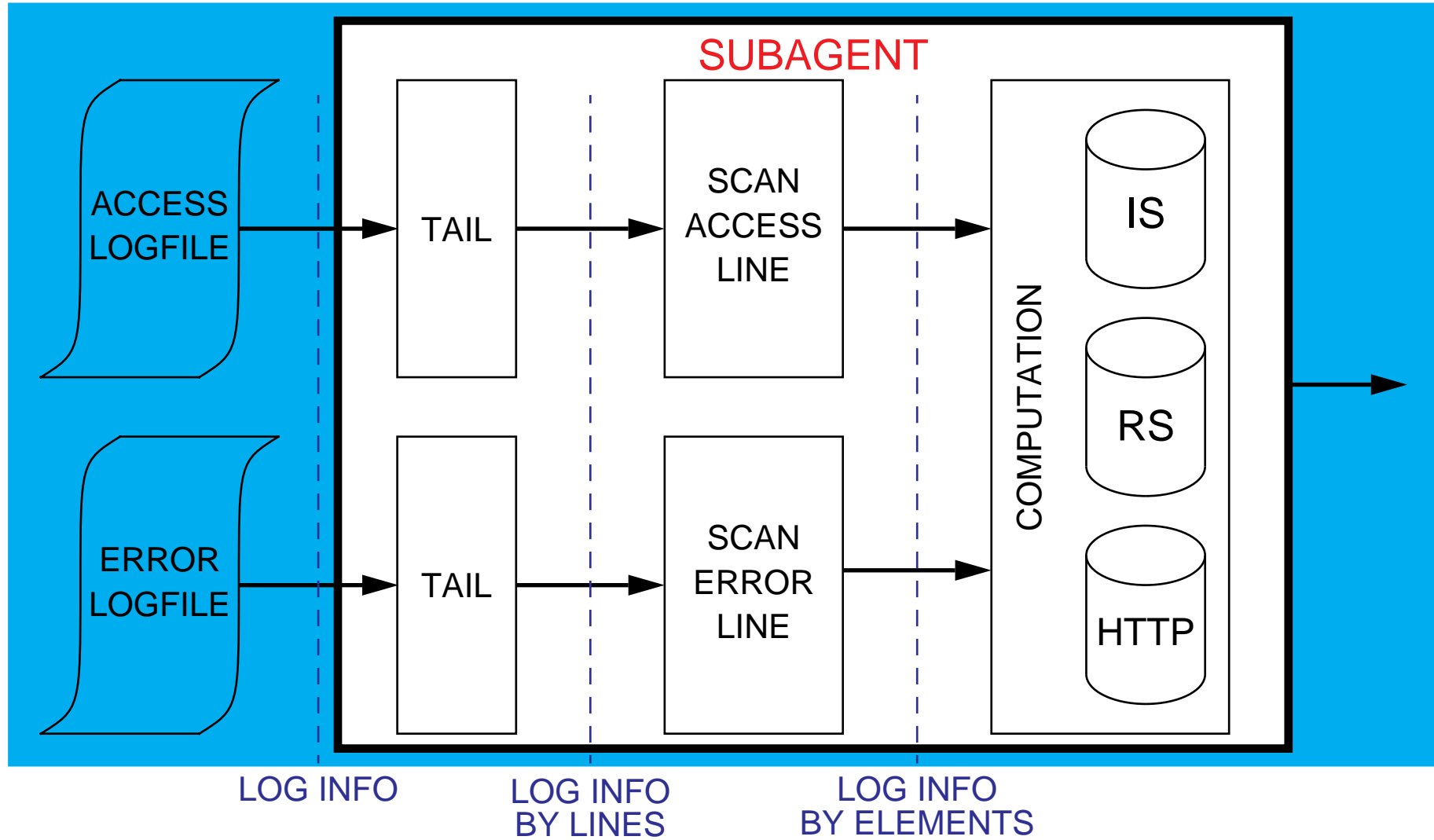


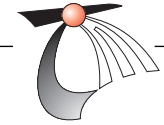
AGENT IMPLEMENTATION





SUBAGENT IMPLEMENTATION





RESULTS

- AGENT HAS BEEN DEMONSTRATED SUCCESSFULLY
- FIRST WWW-MANAGEMENT SYSTEM IN THE WORLD
 - STANDARDIZATION WITHIN IETF
 - RELATION WITH APPLICATION MIB
 - FOLLOW-UP CONTRACT?
 - NWO - SION?