



**Poseidon House
Castle Park
Cambridge CB3 0RD
United Kingdom**

TELEPHONE:
INTERNATIONAL:
FAX:
E-MAIL:

**Cambridge (01223) 515010
+44 1223 515010
+44 1223 359779
apm@ansa.co.uk**

ANSA Phase III

ANSA Activities 1995-6

Andrew Herbert

Abstract

This presentation gives a high level introduction and summary to the ANSA Work Programme for 1995-6.

APM.1435.01

Approved
Briefing Note

20th March 1995

Distribution:
Supersedes:
Superseded by:



ANSA Work Programme - 1995-6

Andrew Herbert

Chief Architect

March 1995



ANSA - The Hidden Persuader in Open Systems



Vision

Architecture

Technology

Standards

Harvest research

Build on current technology and open standards

Intercept new requirements



The ANSA Consortium

ANSA Consortium

Computer vendors
Telecoms vendors
Telecoms operators
Systems integrators
End users

SPONSORED SHARED PROGRAMME

Core Team

Founded in 1985

Barclays Bellcore BNR
BT DRA GEC GPT FT HP
ICL Iona Telefonica

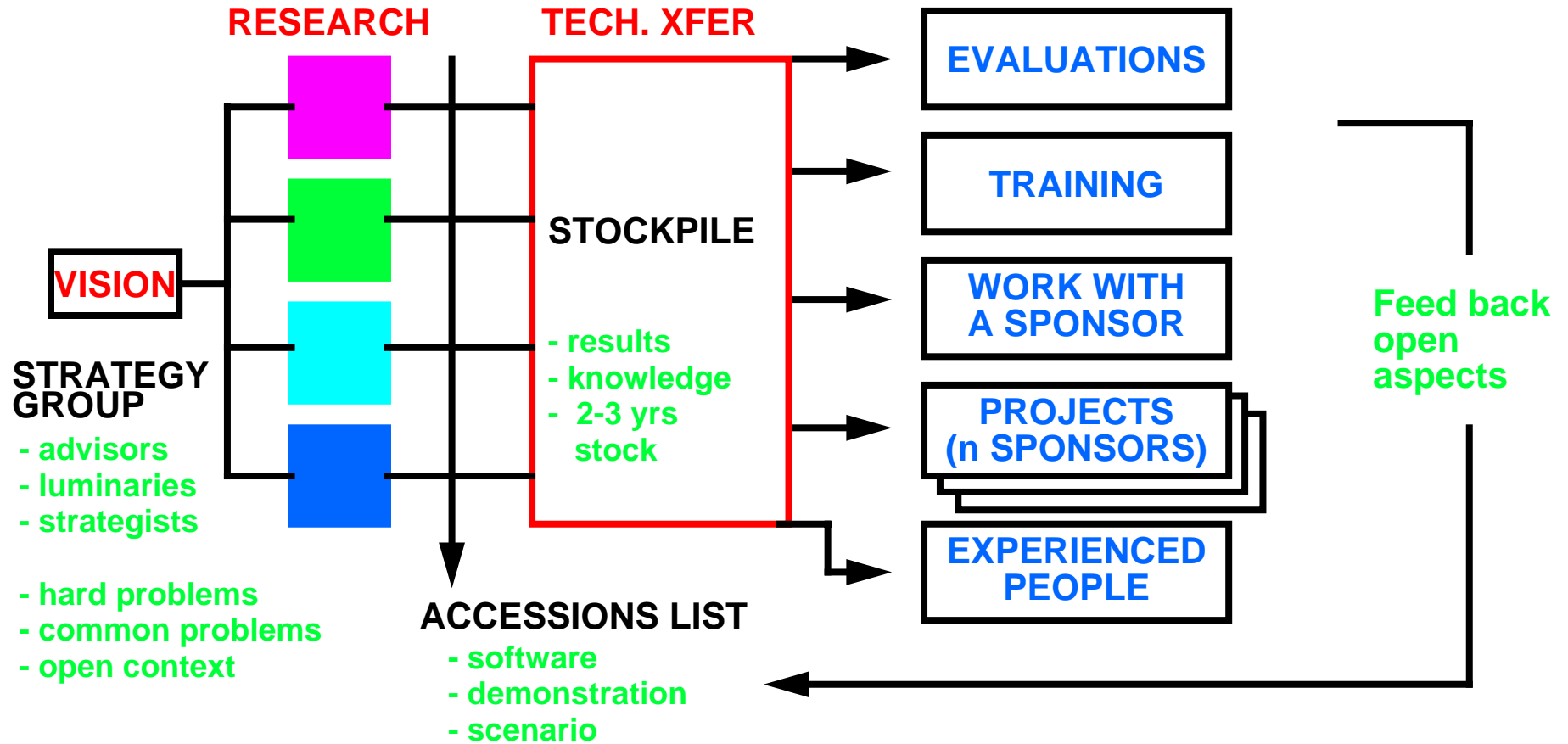
Research prototypes
prototypes animations

Technology transfer
projects consultancy
secondment training

Lead key standards

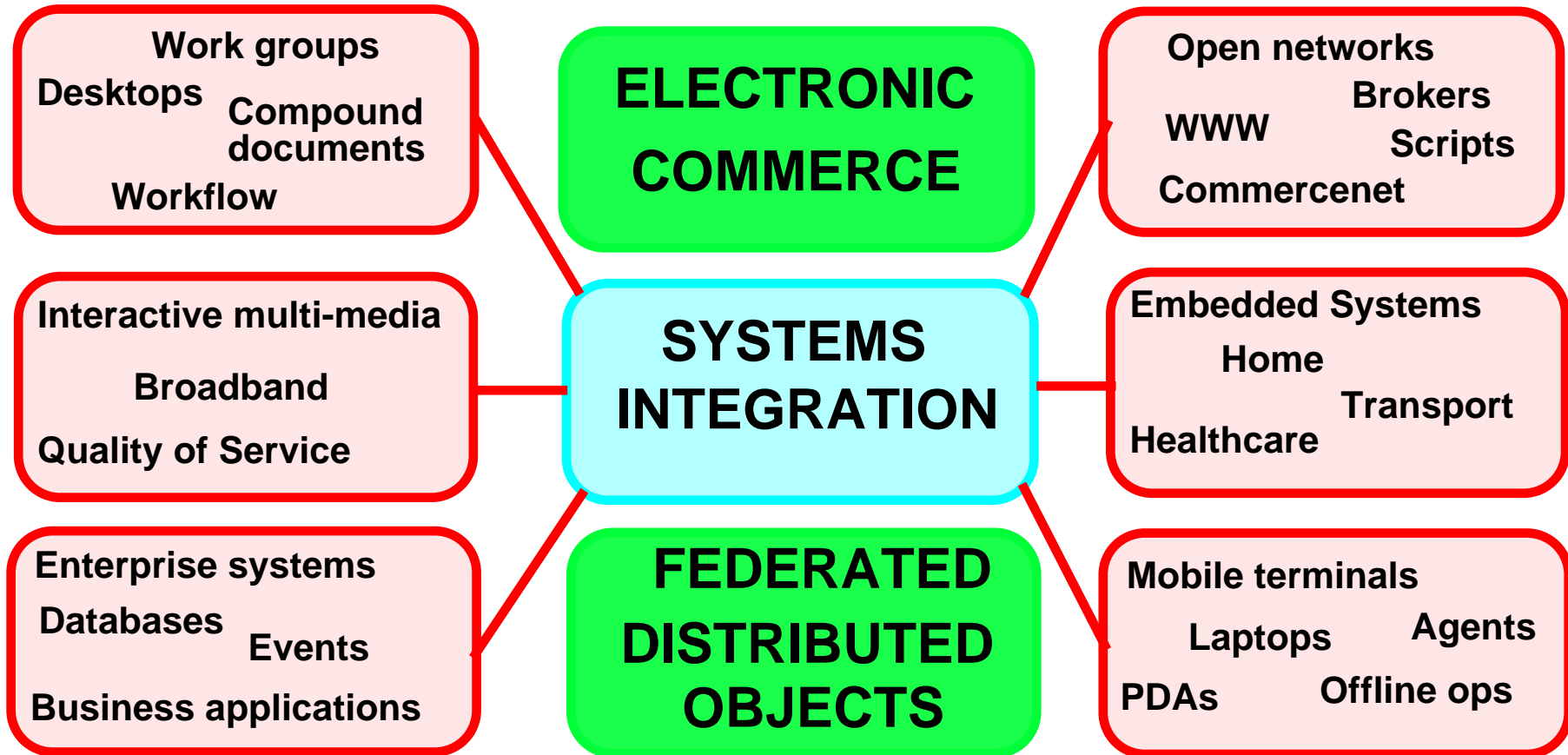


The ANSA Process

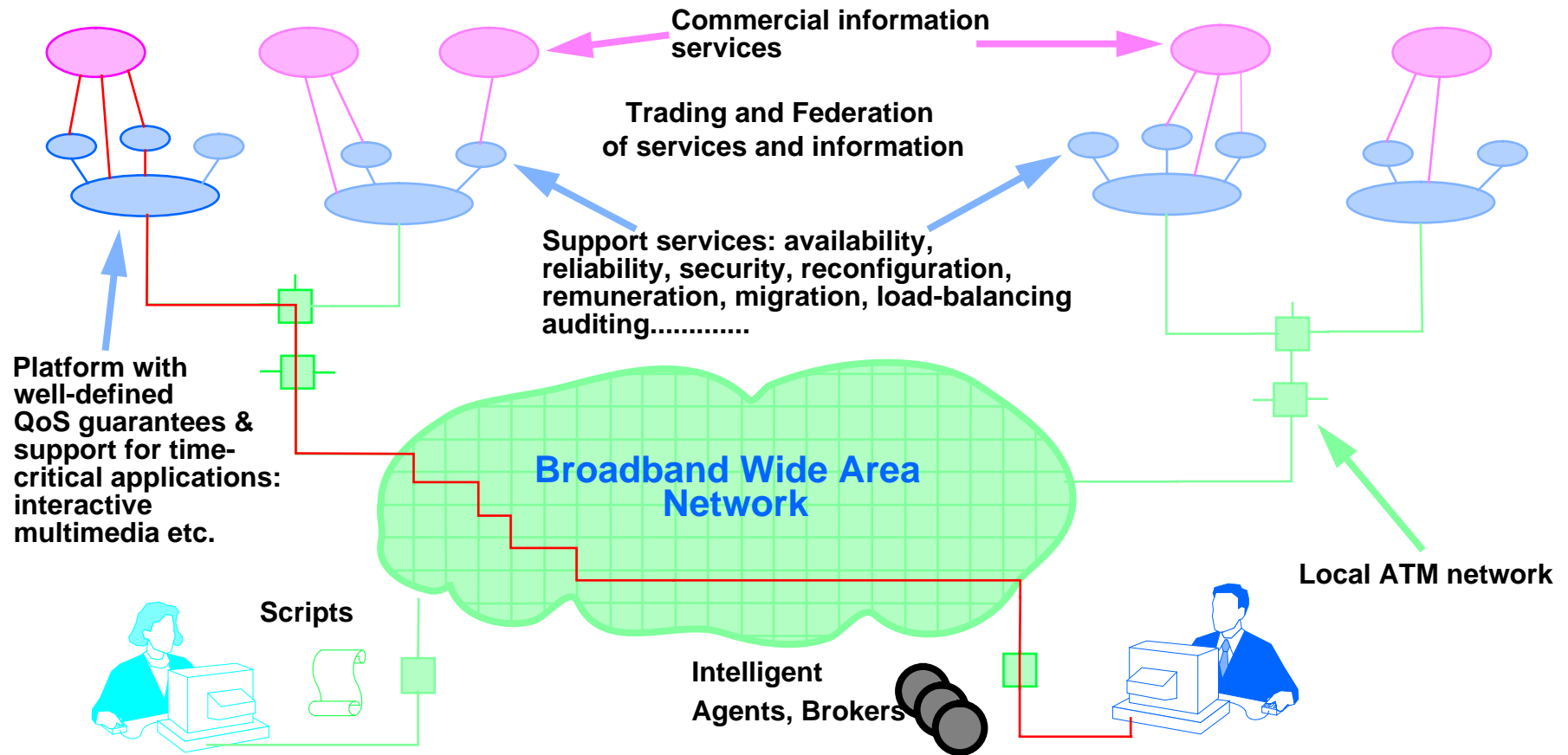




ANSA Vision

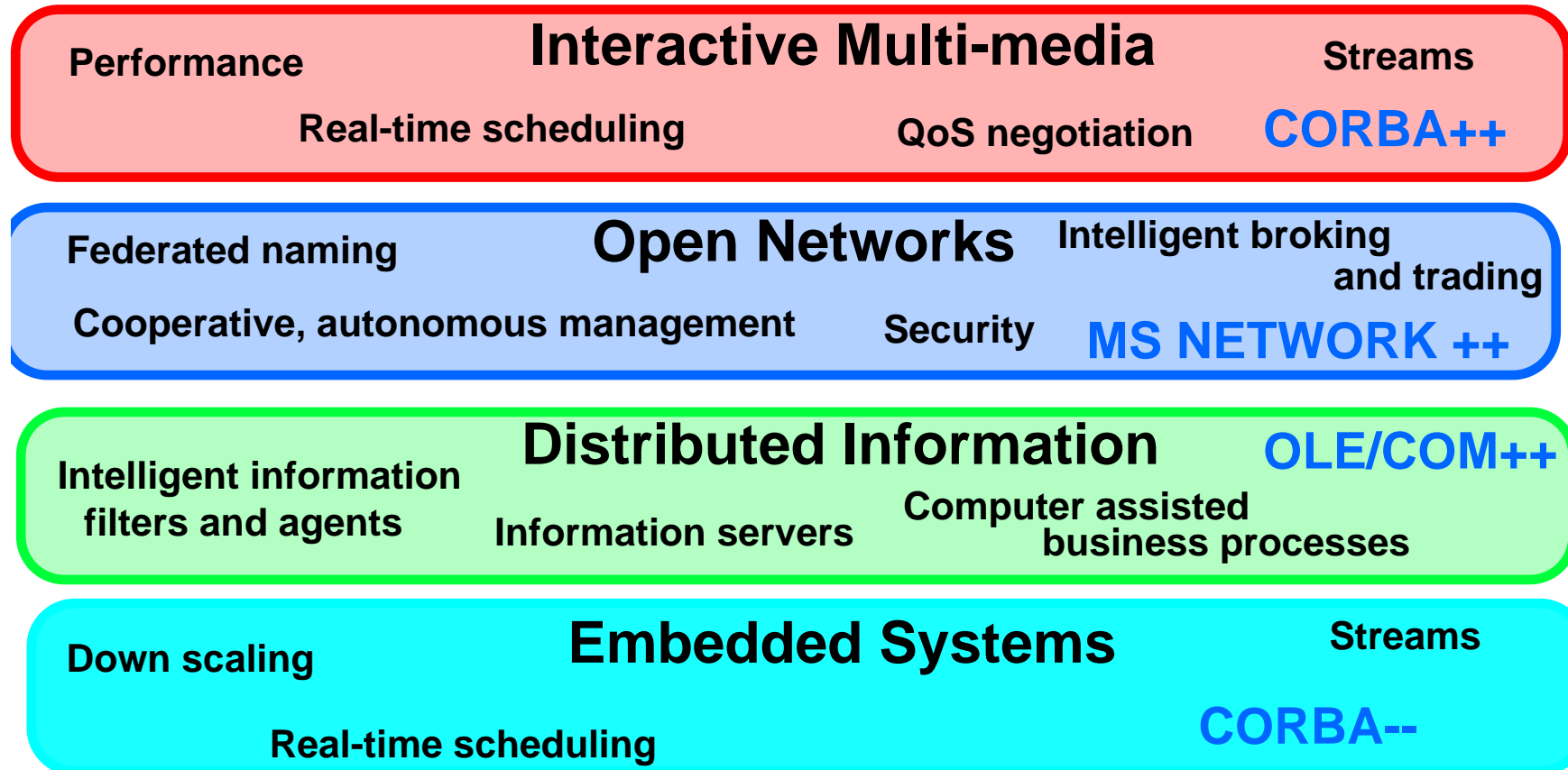


Electronic Commerce in Action





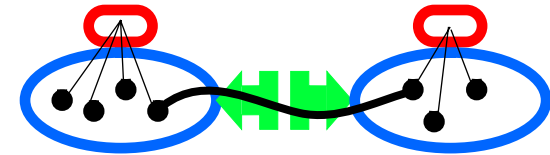
New Requirements



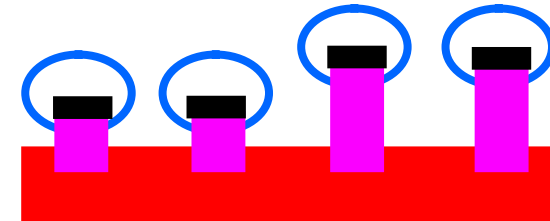


The ANSA Architecture

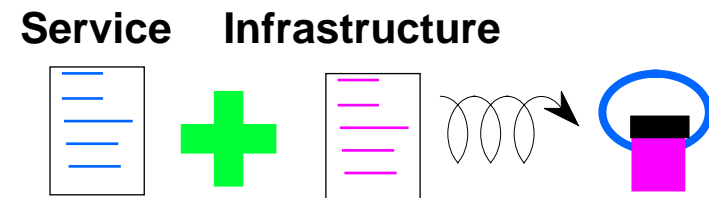
Trading and Federation
Controlled interoperability



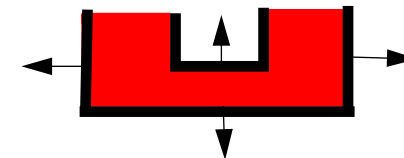
Selective Transparency
One size does not fit all



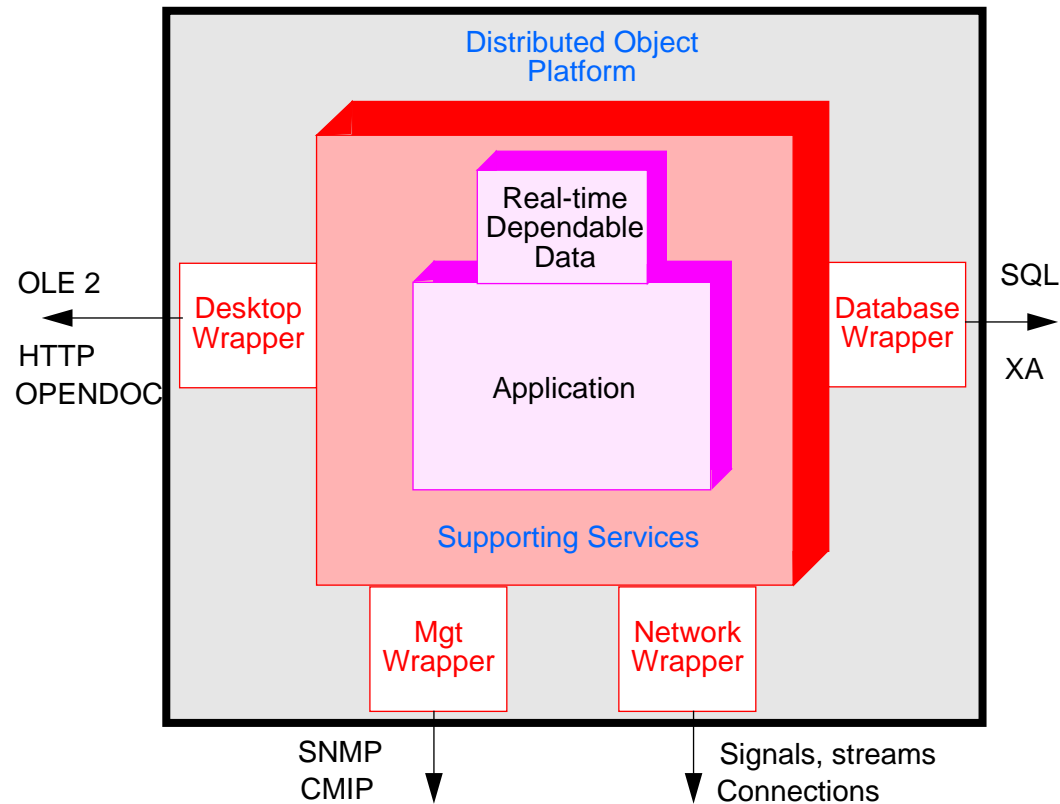
Abstract & Automate
Tools replace APIs



Modular Engineering
Architected internal interfaces



Distributed Object Environment for Open Systems



- Information service system
- Business process support system
- Systems management system
- Interactive multi-media system



ANSA Work - Programme 1995-6 Focus

**Public electronic
commerce and
information services**



**Explore,
scenarios,
animations**



INTEGRATION

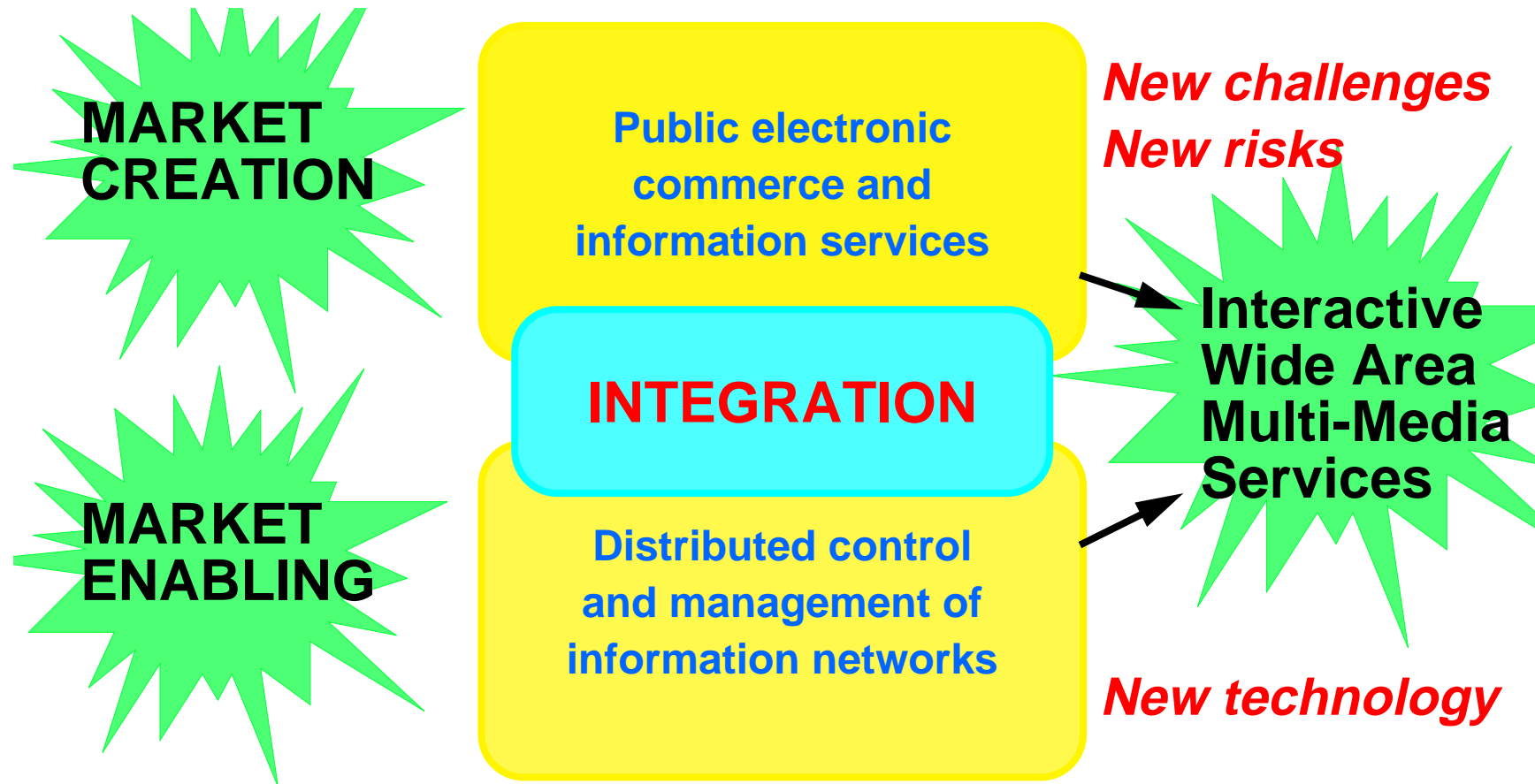
**Distributed control
and management of
information networks**



**Prototype,
extend,
validate**



Path to Market





Benefits to Sponsors

ANSA results

Scenarios for electronic commerce

Agents, workflows scripts

management of federations

QoS, resource control real-time

Enable

new services; security, billing dependability; consensus and products

tools for service development

controlled interworking; application integration

interactive multi-media, distribution of and with embedded systems

Benefit

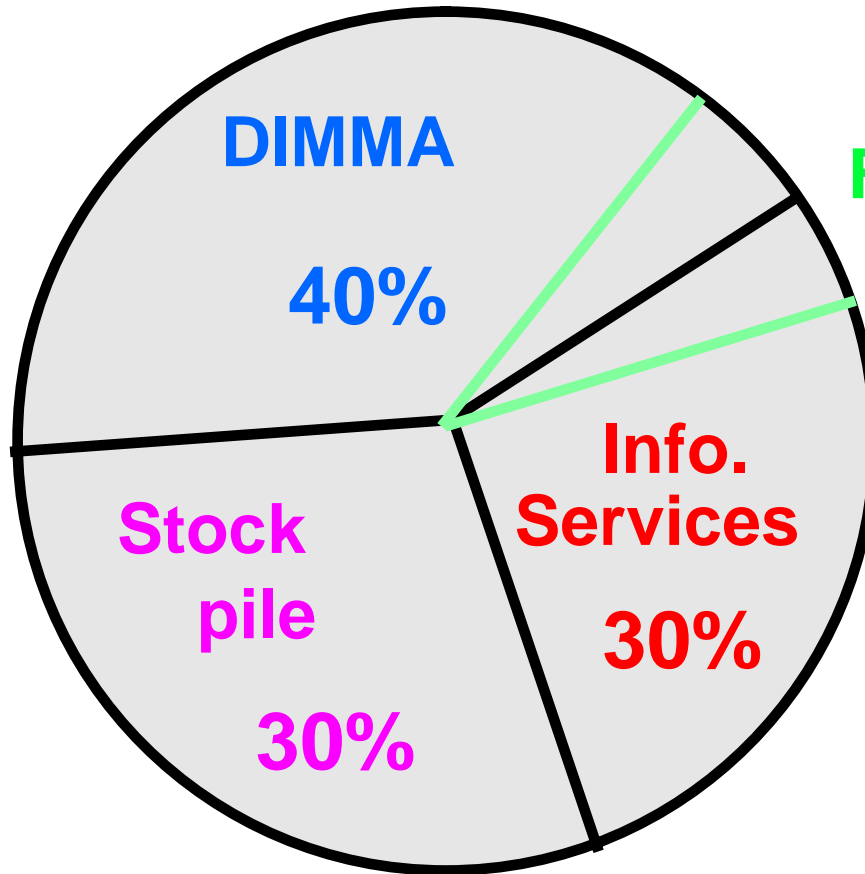
revenue from new services; user confidence in services; avoid legislative backlash

faster to market; better services

faster response to market change

deliver time critical (interactive) services; enter entertainment market

1995-6 Work packages

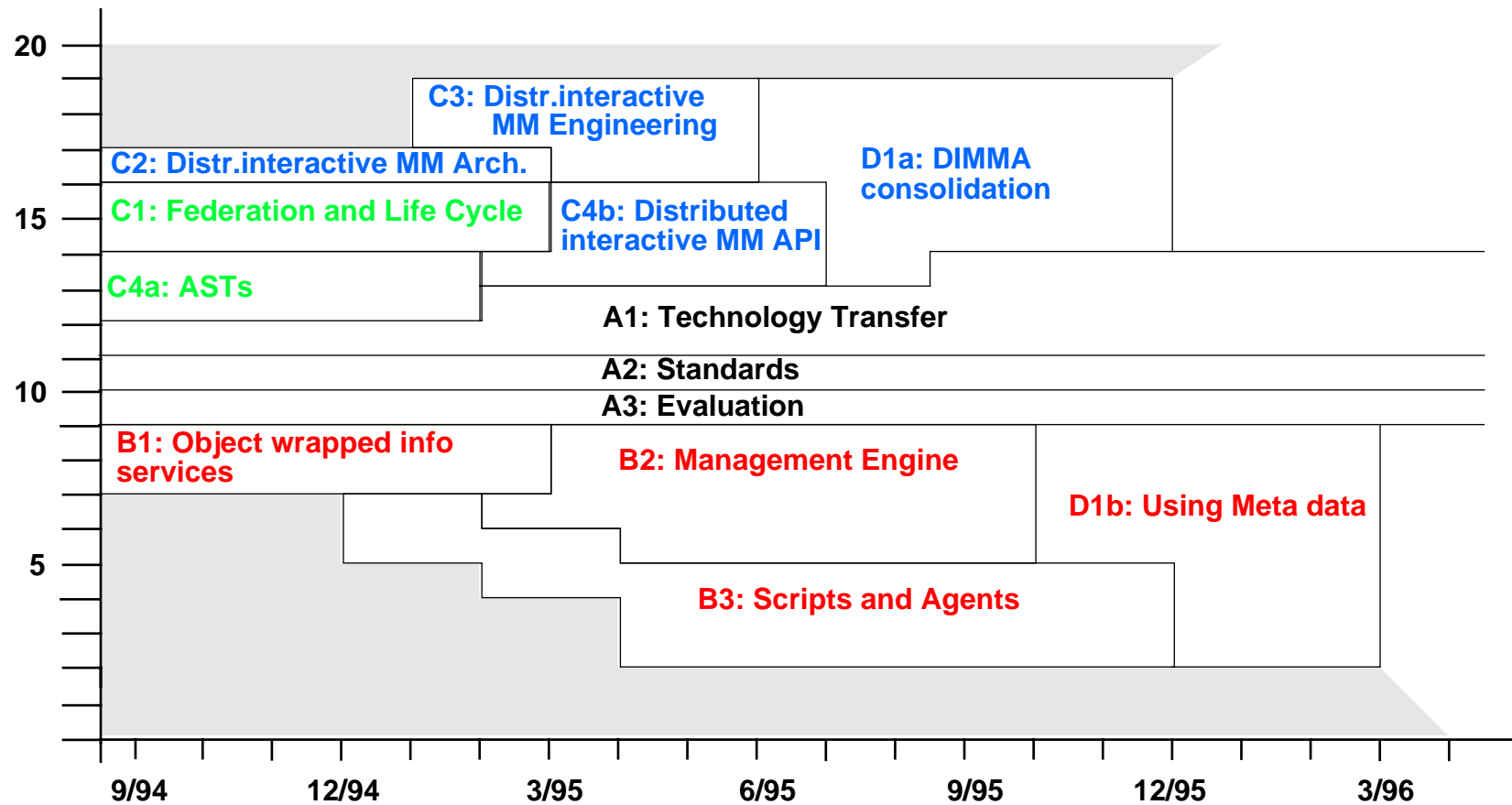


Federation

**Distributed Interactive
Multi-media Architecture
Information Services
(Federation)**

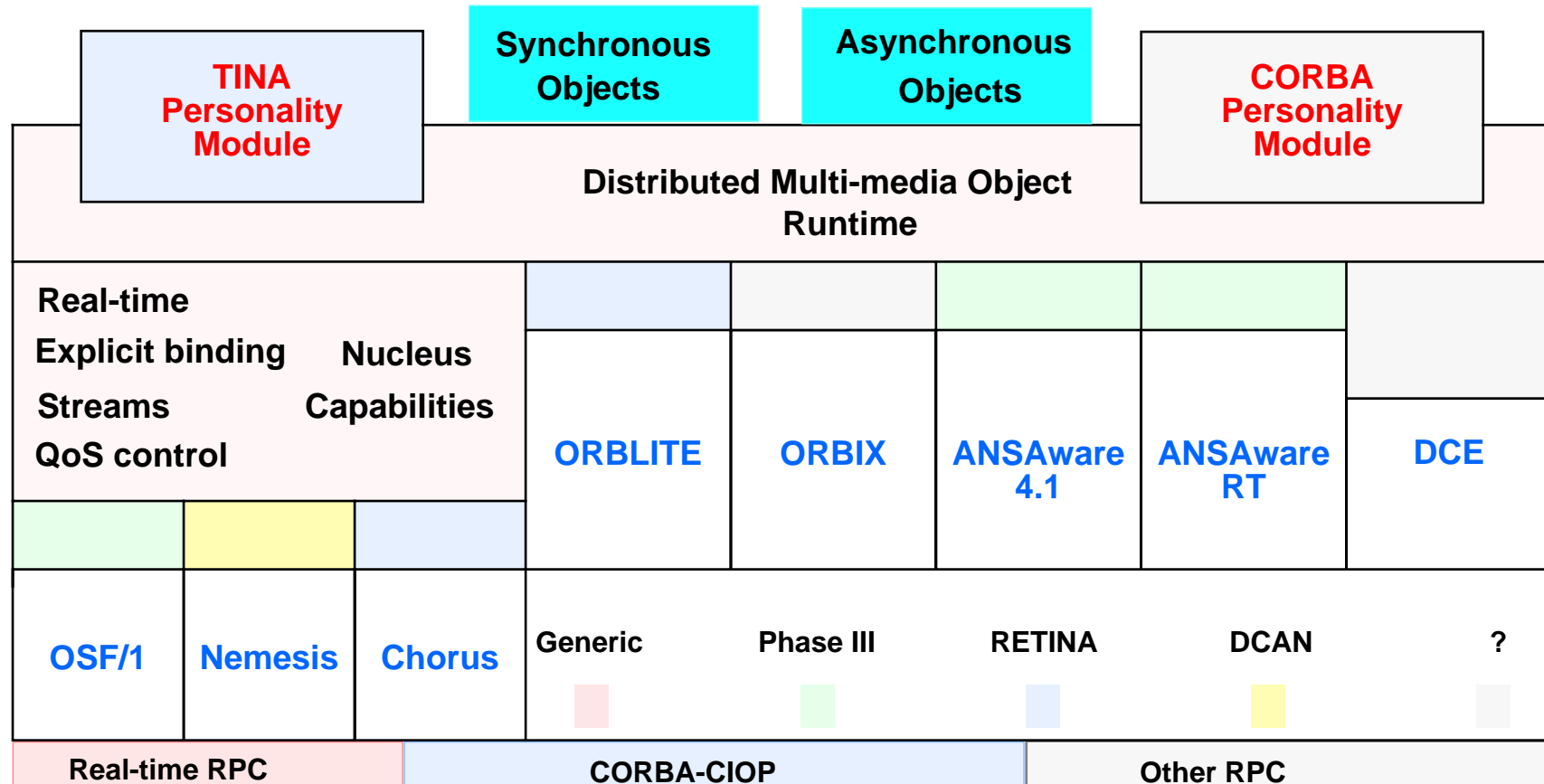


Schedule

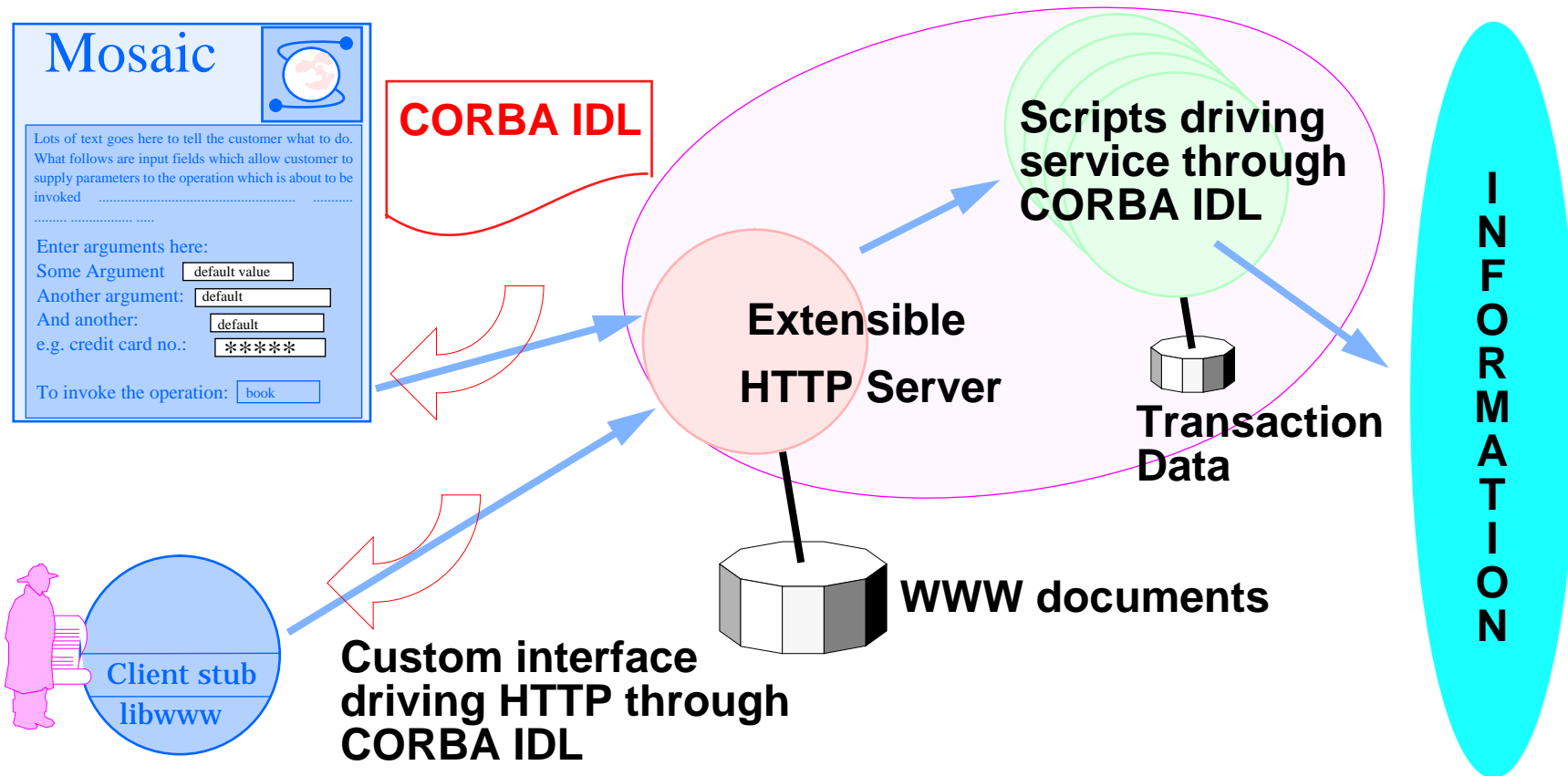




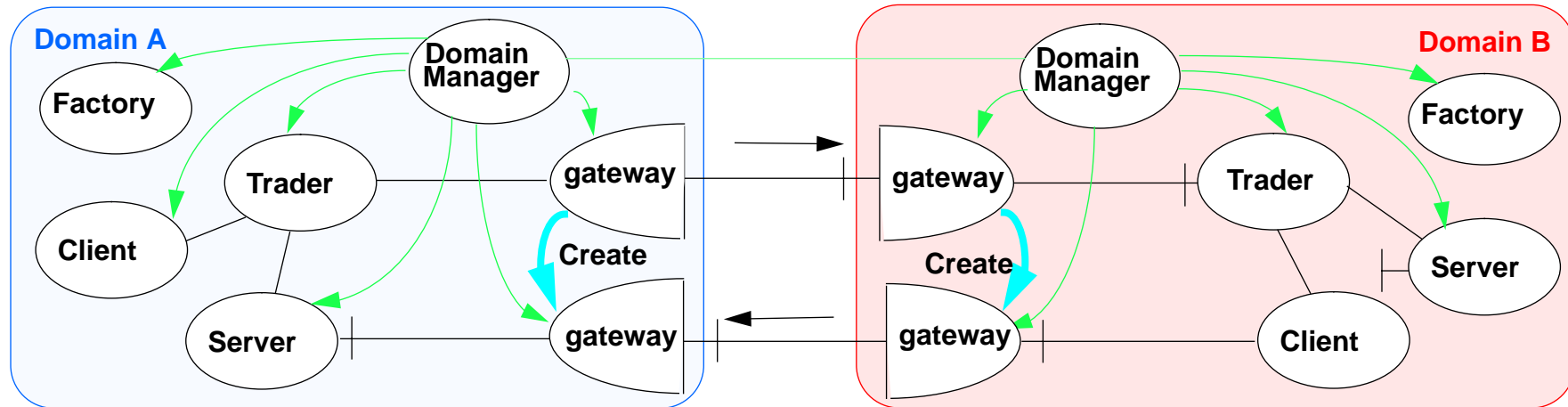
Distributed Interactive Multi-Media Architecture



Information Services - Object Wrapping



Federation - Interception



Detect

Recognize

Mark

Resolve

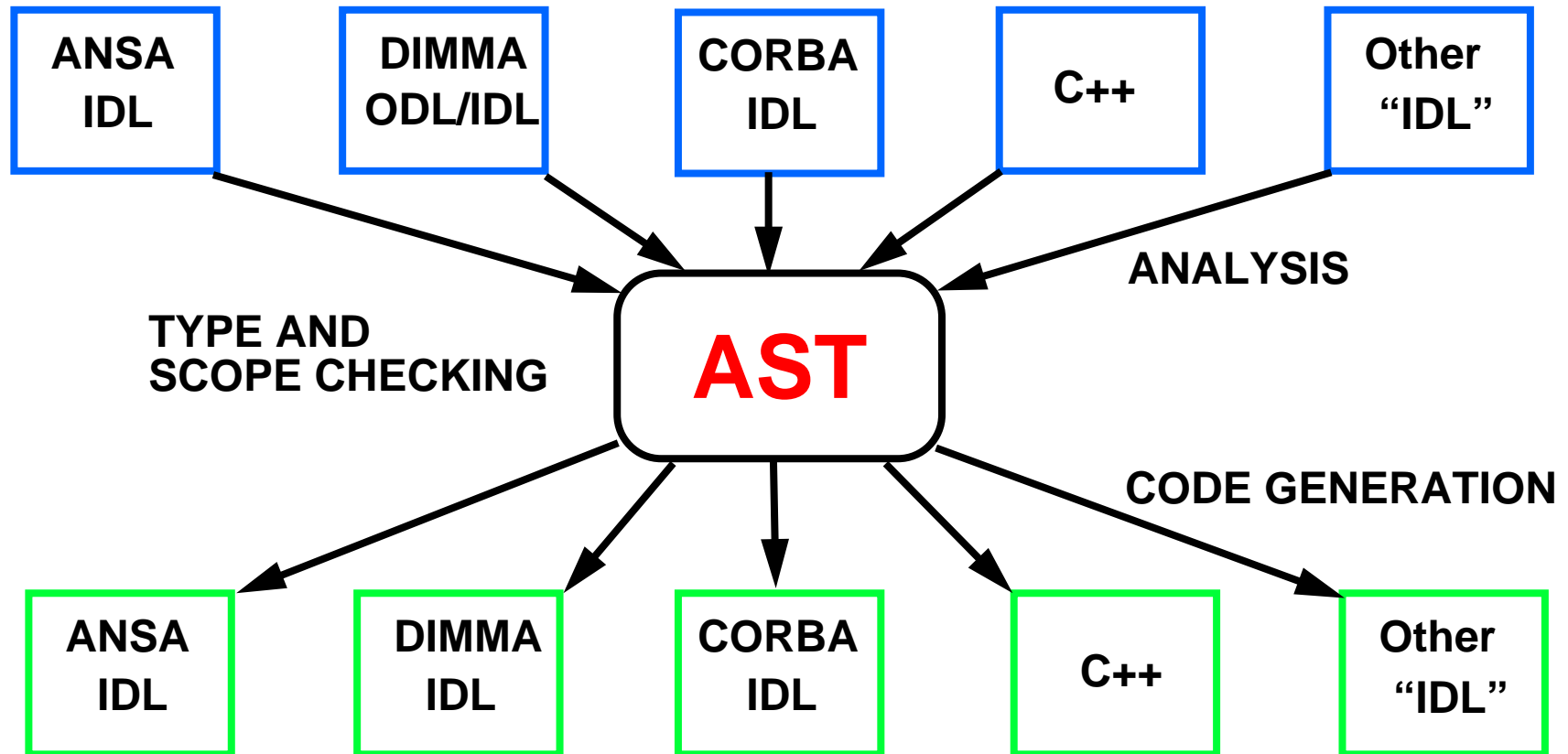
leave

translate

create gateway

Other

Federation - ASTs





ANSA & STANDARDS

- **ISO/ITU ODP**
 - now an international standard
 - ODP components - fast-track OMG standards - by helping sponsors
 - new work items (binding, transparency) - contributing, lead by sponsors
- **OMG**
 - achieved a good result on interoperability
 - watch for other opportunities to contribute (e.g. WWW interface, multi-media)
- **WWW**
 - create visible presence (by making prototypes available)
 - joined WWWO
- **Broadband networking**
 - create opportunity for ATM Forum to address “systems issues”