Dresdner Bank AG

Business Project Office

Organization and Information Techology

Group Assistance Foreign Entities

Global Consultancy / Co-ordination and

Reinhard Hille

Dresdner Bank

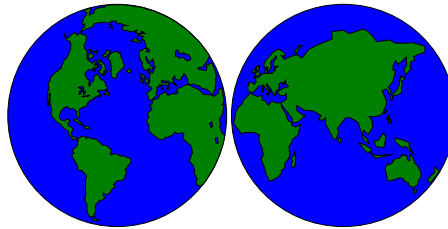| E03 SECTION 2 | RETURN TO INDEX |

Agenda

- Introduction of Dresdner Bank AG
  - The bank
  - IT figures
- Why MQS
- Examples of using MQS
  - Teller service and different applications
  - MQS integrator
  - InterNet banking
- A solution for Forward Recovery

The Dresdner Bank Company 1998

■ 1.506 Branches in Germany

■ 70 entities abroad

■ subscribed capital   2.588   Billion

■ Balance   714.808   Billion

■ Staff members   48.950   (8200 abroad)

◆ Dresdner Bank

Application development and IT support

■**Application development**
  ■**1.600 employees**
    ■ **750 freelancer**

■**IT in the Dresdner Bank group**
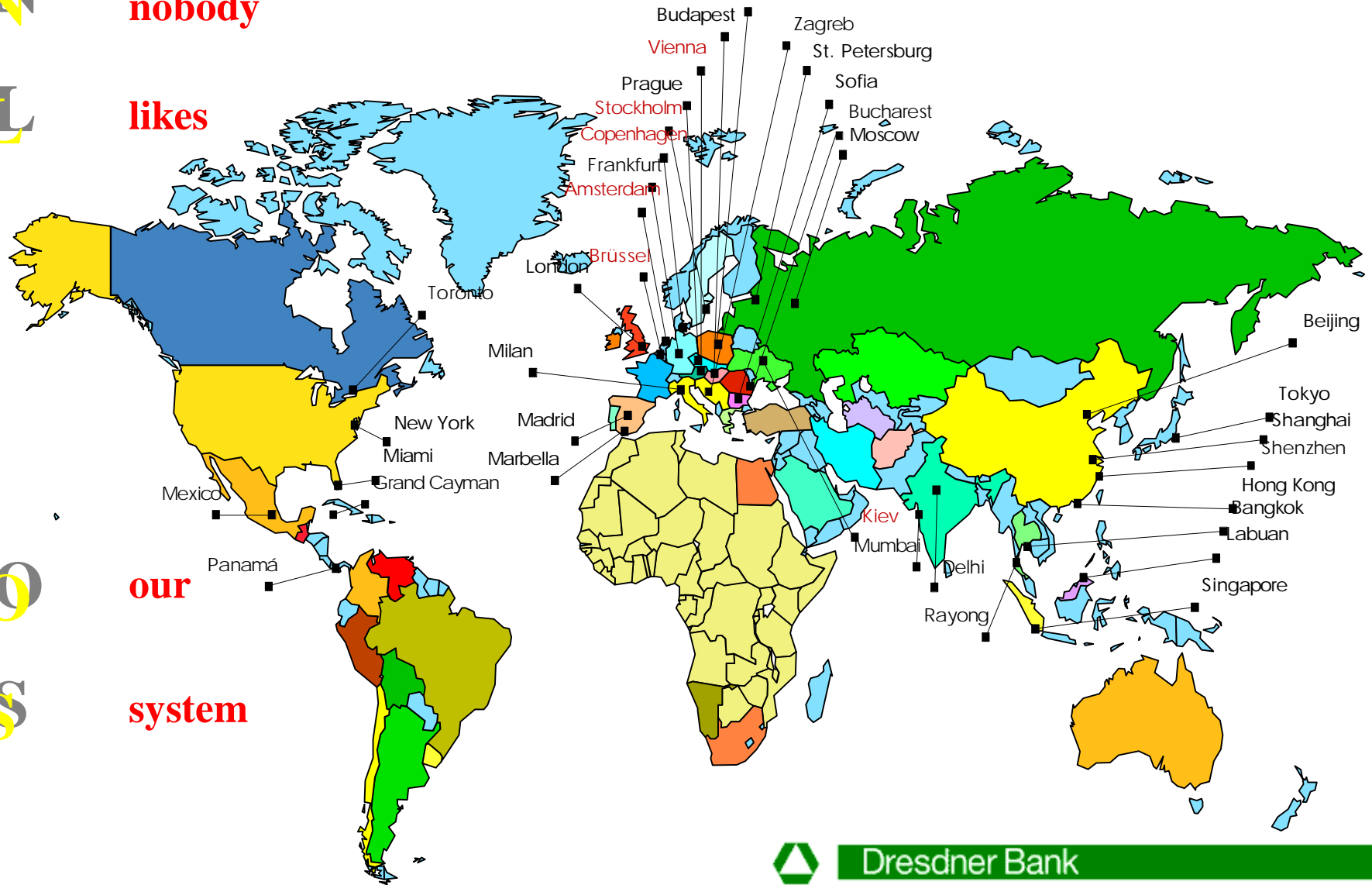 ■**2.700 employees**
  ■**1.6 billion DM per year**

■ Dresdner Bank
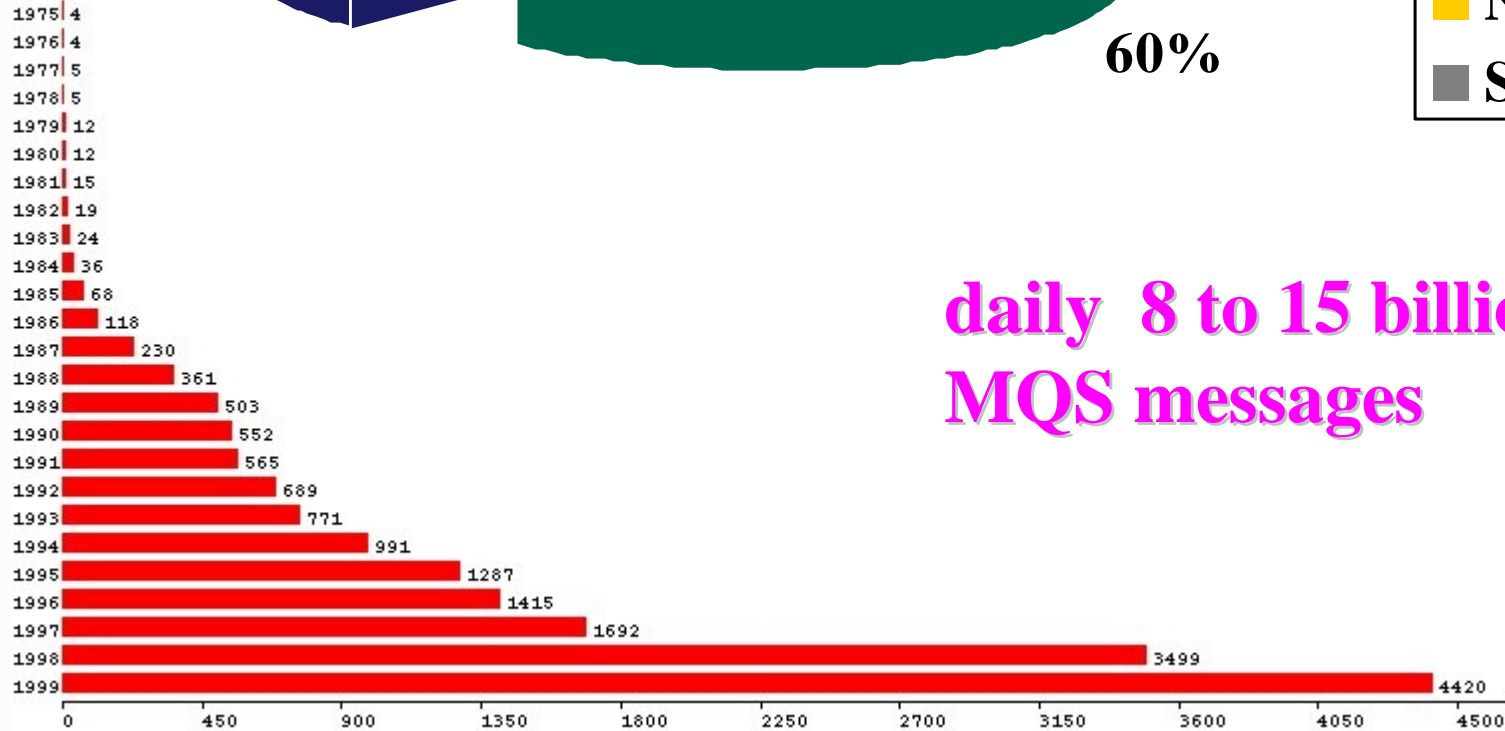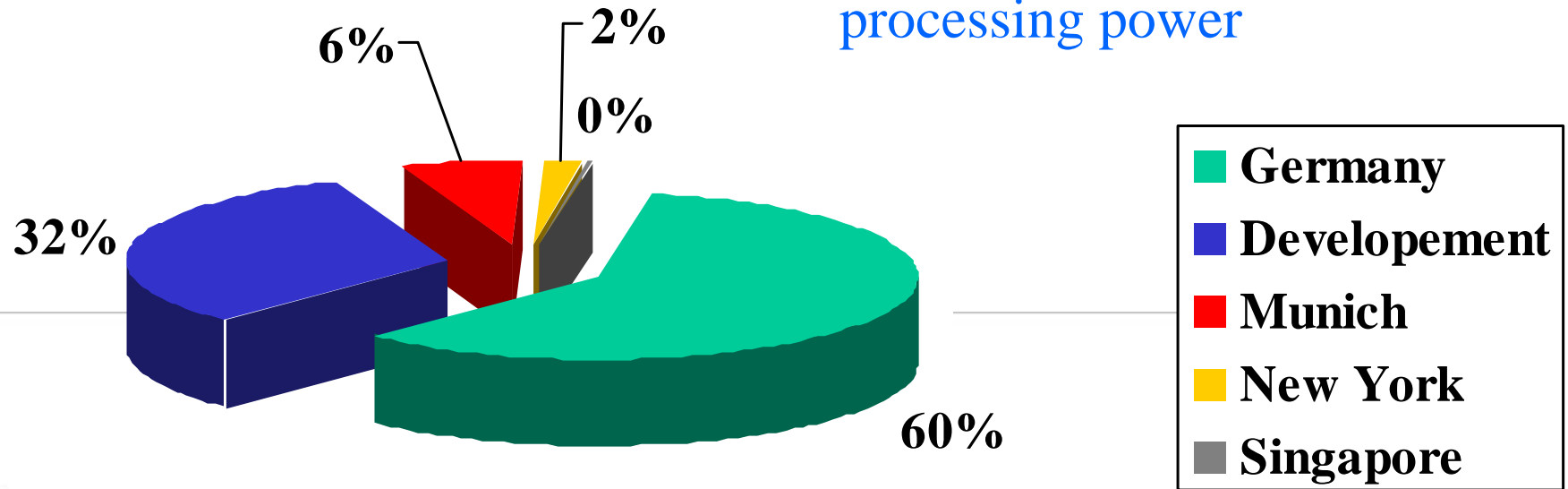
ANLOS

almost
nobody
likes
our
system

Warsaw/Wroclaw/Szcezcin/Gdansk/Lodz
Budapest
Zagreb
Vienna
St. Petersburg
Prague
Sofia
Stockholm
Bucharest
Copenhagen
Moscow
Frankfurt
Amsterdam
Brüssel
London
Toronto
Beijing
Milan
Tokyo
Shanghai
New York
Madrid
Shenzhen
Miami
Marbella
Hong Kong
Grand Cayman
Bangkok
Mexico
Labuan
Kiev
Panamá
Mumbai
Singapore
Delhi
Rayong

Dresdner Bank

Total Maineframe processing power

6% **2%**

0%

32%

60%

🟩	**Germany**
🟦	**Developement**
🟥	**Munich**
🟨	**New York**
⬜	**Singapore**

daily 8 to 15 billion MQS messages

Year	Value
1975	4
1976	4
1977	5
1978	5
1979	12
1980	12
1981	15
1982	19
1983	24
1984	36
1985	68
1986	118
1987	230
1988	361
1989	503
1990	552
1991	565
1992	689
1993	771
1994	991
1995	1287
1996	1415
1997	1692
1998	3499
1999	4420

The network

Sweden

Russia

Grate Britain

America

2 EDP Center

1.508 Branches in Germany

Asia

West Europe

South Europe

East Europe
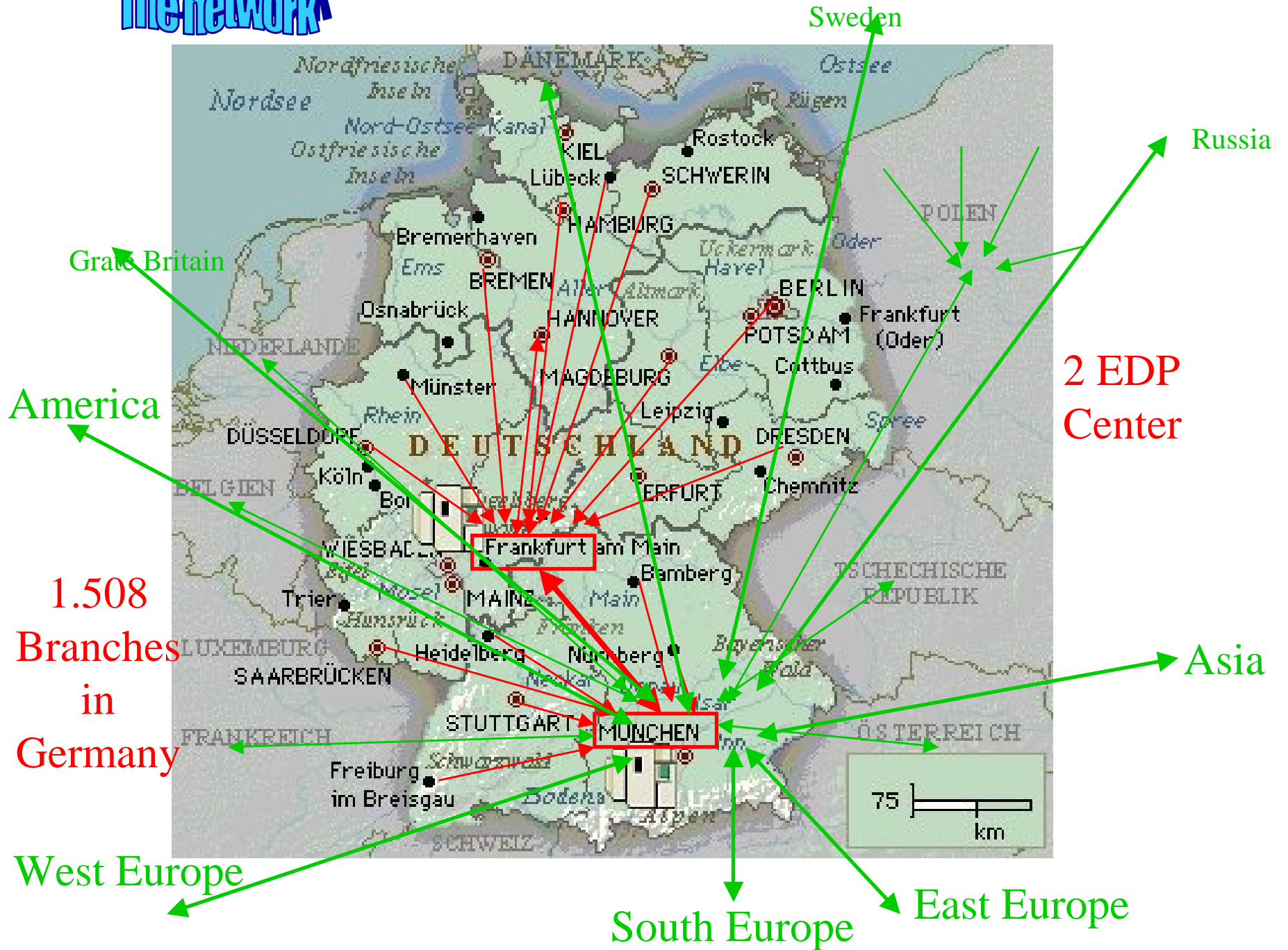
Why are we using MQS ???

in former time

today with MQS

batch oriented transfer

asynchronous transfer

realtime transfer

no need to be realtime connected

more than 100 different products

only one product

high risk

nearly no risk for the application

a lot off staff for manual checking

automatic transfer and checking. Only alerts has to be processed manually

IBM MQSeries & Banking
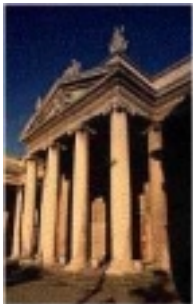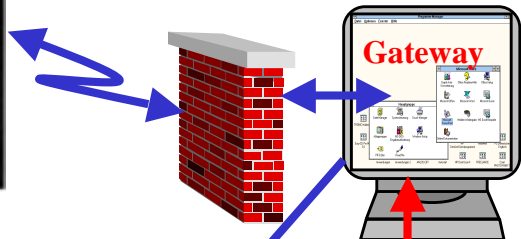*Assured information flow across all your systems*

Dresdner Bank

DOREAS

SIVAL

FPDP

Cashdispenser

UDB

DOREAS

VSE/ESA
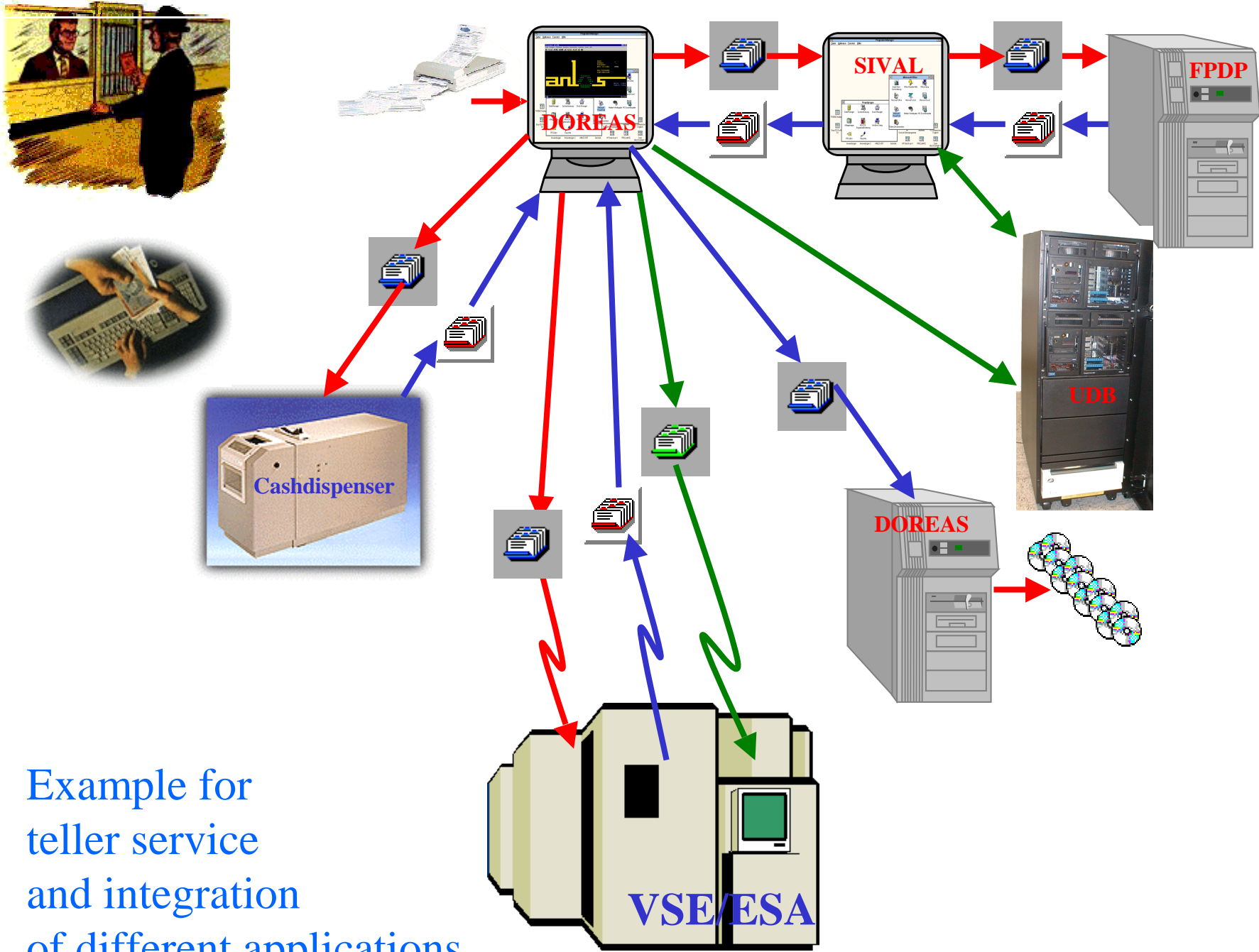
Example for
teller service
and integration
of different applications

Dresdner Bank

Local Clearing Agent

Gateway

MQS

Integrator

anlos

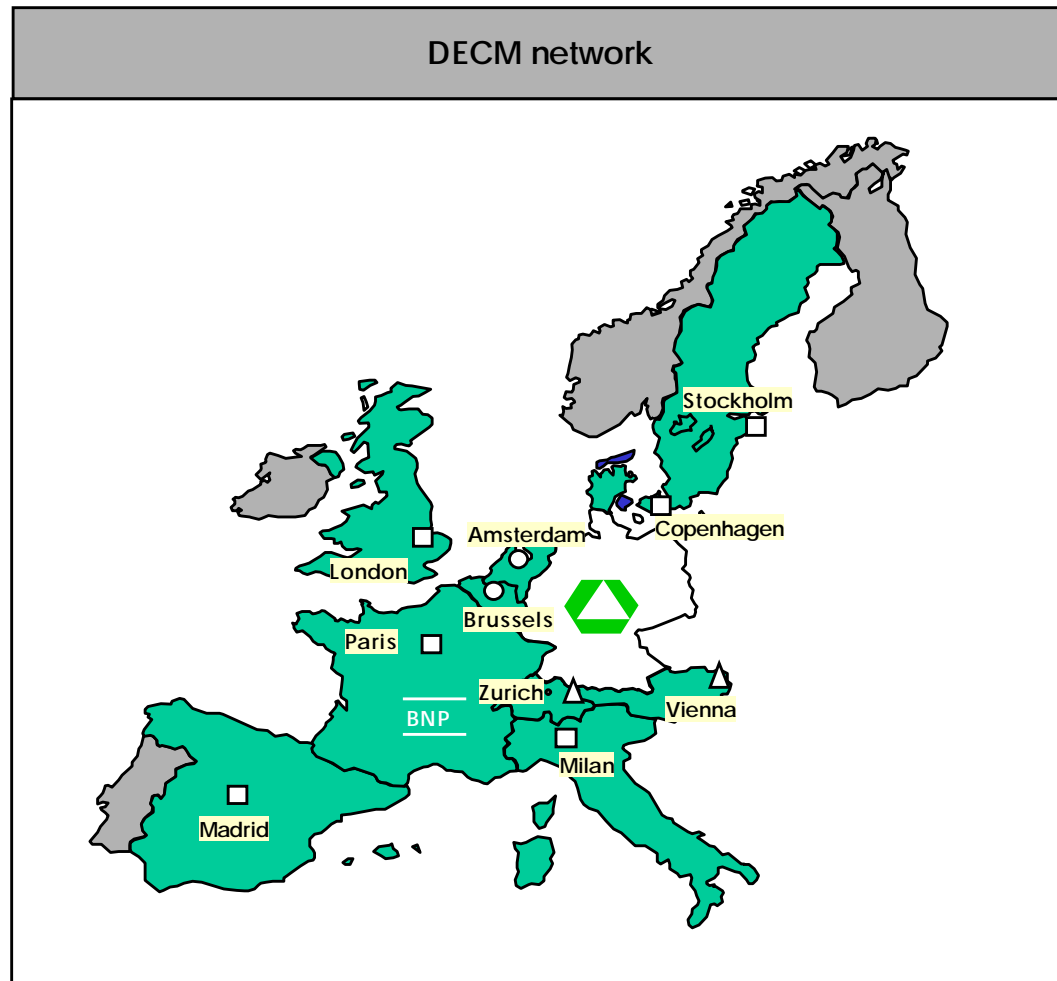DECM network

Stockholm

Amsterdam

London

Copenhagen

Brussels

Paris

Zurich

Vienna

BNP

Milan

Madrid

VSE/ESA

S.W.I.F.T.

MERVA
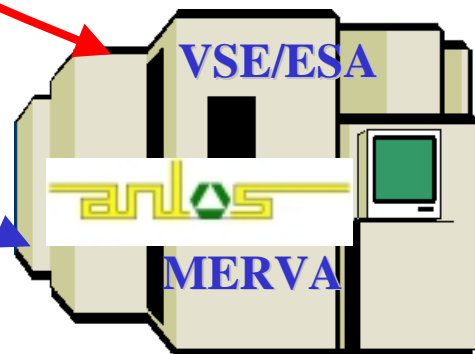
Dresdner Bank

InterNet Banking

DOMINO-Web-Server
MQS-Server and Integrator
JAVA-Front-End

VSE/ESA

TCP/IP   MQS

CICS

ANLOS
Application

DL/I Database

User Authorisation

formatting
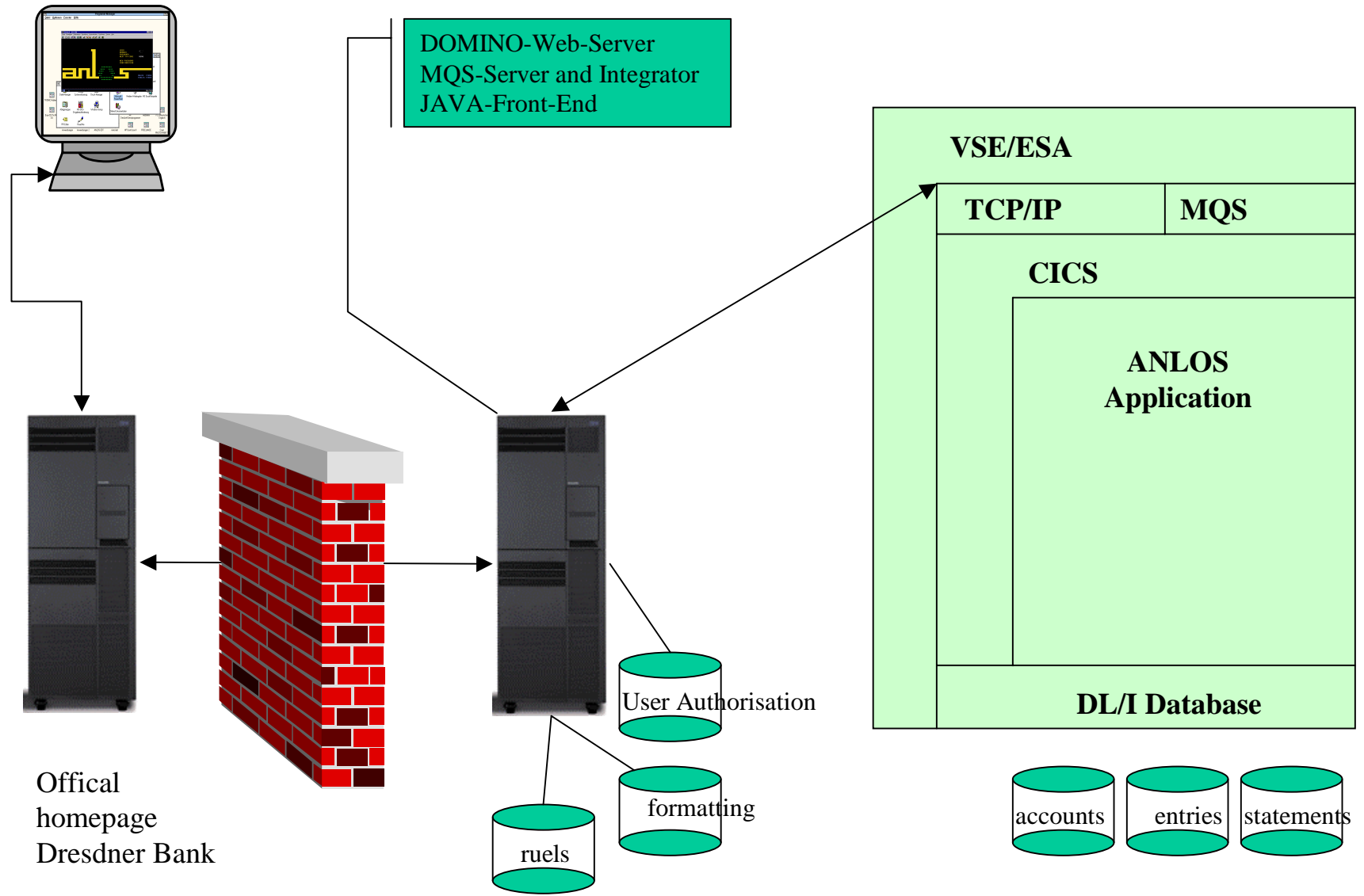
ruels

Offical
homepage
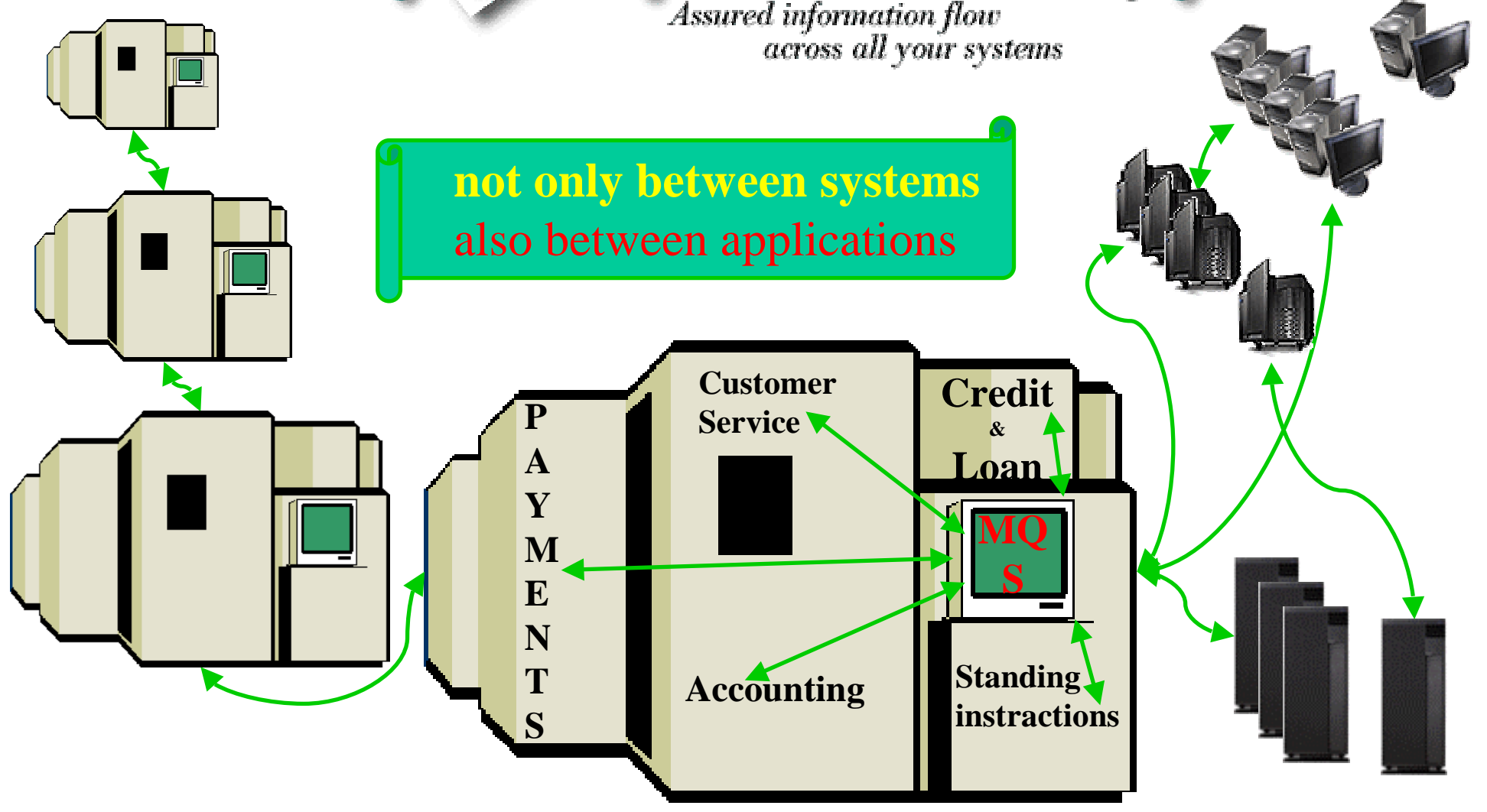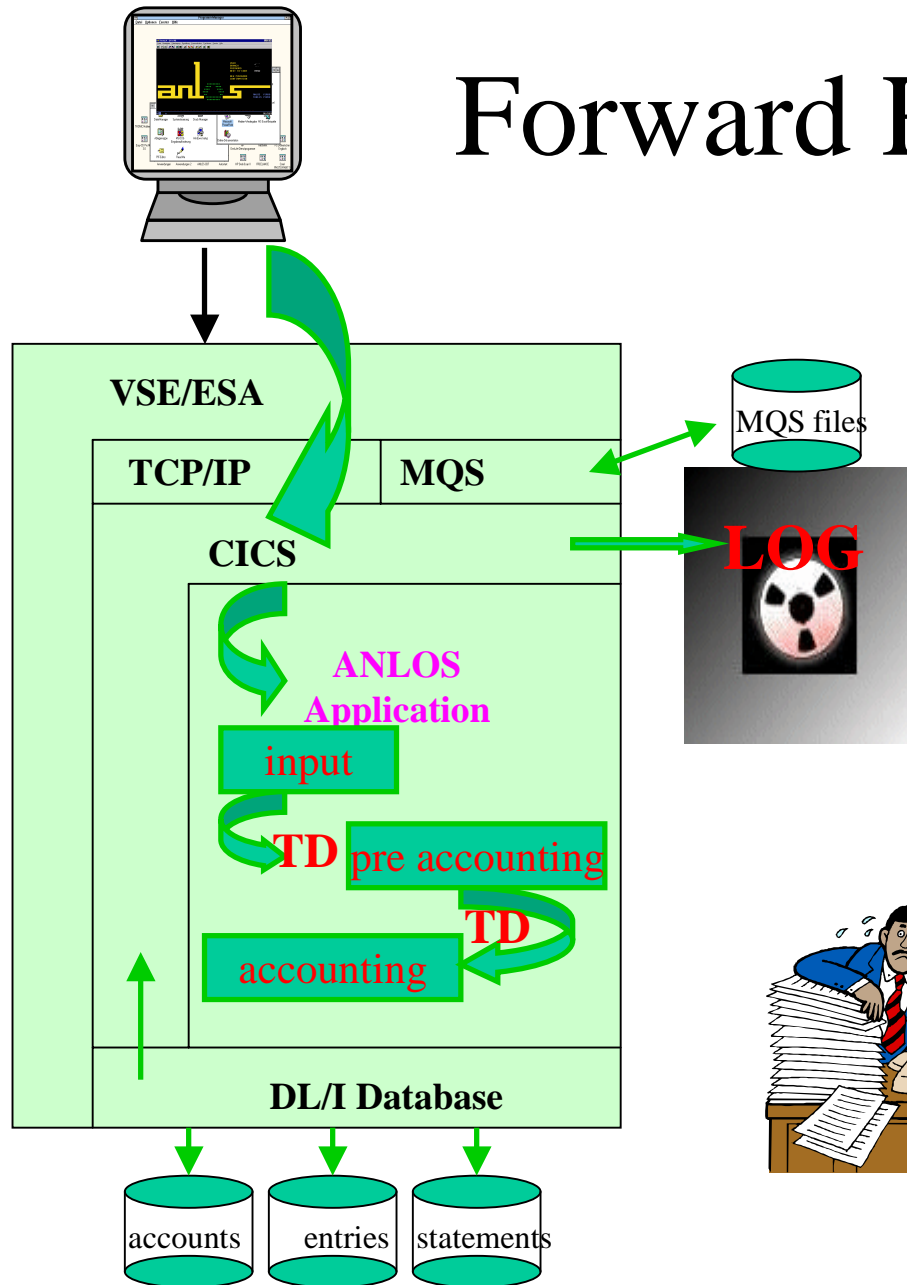Dresdner Bank

accounts   entries   statements

Dresdner Bank

IBM MQSeries & Banking

Assured information flow across all your systems

not only between systems
also between applications

P A Y M E N T S

Customer Service

Credit & Loan

MQS

Accounting

Standing instractions

Forward Recovery **?**

VSE/ESA

TCP/IP | **MQS**

MQS files

CICS

LOG

ANLOS Application

input

TD pre accounting

TD

accounting

DL/I Database

accounts entries statements

in case of a cold start of the transaction monitor we lost all the entries of the transient data queues.

The only secured way is to load the last database back-up and start the transaction monitor cold.
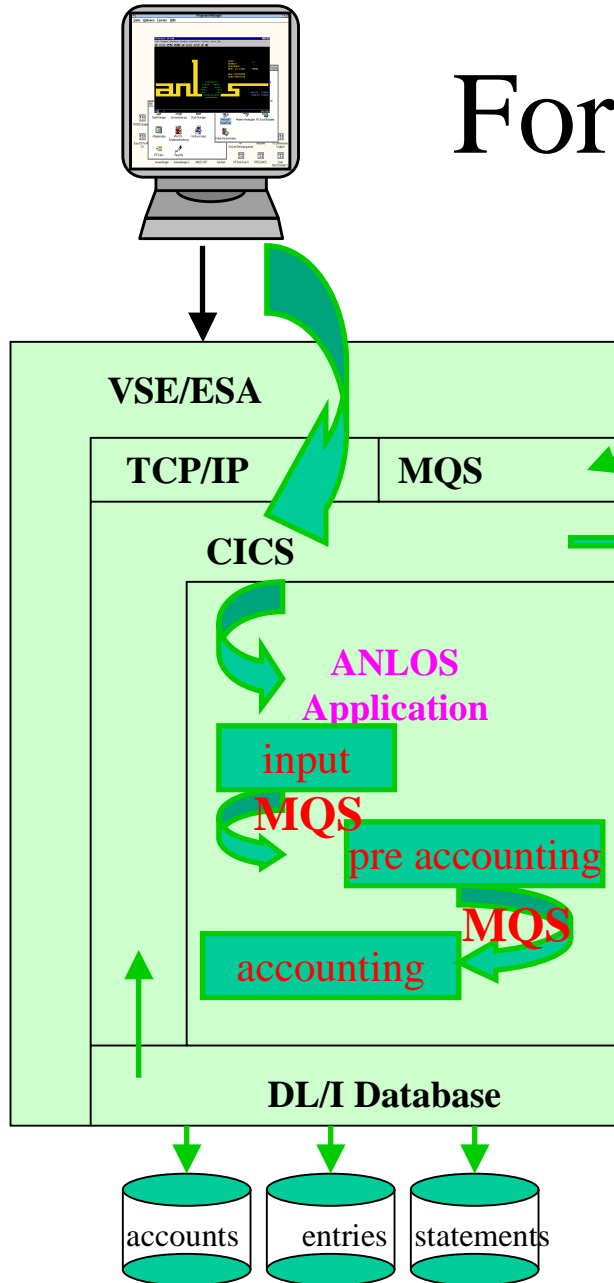
we have to key-in manually all entries of the last day **!**

Forward Recovery !

With CICS/VSAM/Recovery/VSE

FORWARD RECOVERY

is possible

we have to key-in manually only
the in-flight tasks !!!!!

VSE/ESA

TCP/IP	MQS

CICS

ANLOS Application

input

MQS

pre accounting

MQS

accounting

DL/I Database

MQS files

LOG

accounts   entries   statements

IBM MQSeries & Banking
Assured information flow
across all your systems

◇ Dresdner Bank

The future of
IBM and **Dresdner Bank AG**
= coexistance of
OS/390, VM, VSE and AIX
LINUX

as middleware MQS

the WISE
MAN LOOKS
INTO SPACE, &
DOES NOT REGARD
THE SMALL AS TOO LITTLE
NOR THE GREAT AS TOO BIG,
FOR HE KNOWS THERE IS
NO LIMIT TO DIMENSIONS   Lao-tzu

VSE / ESA   IBM

Reinhard Hille

Dresdner Bank