

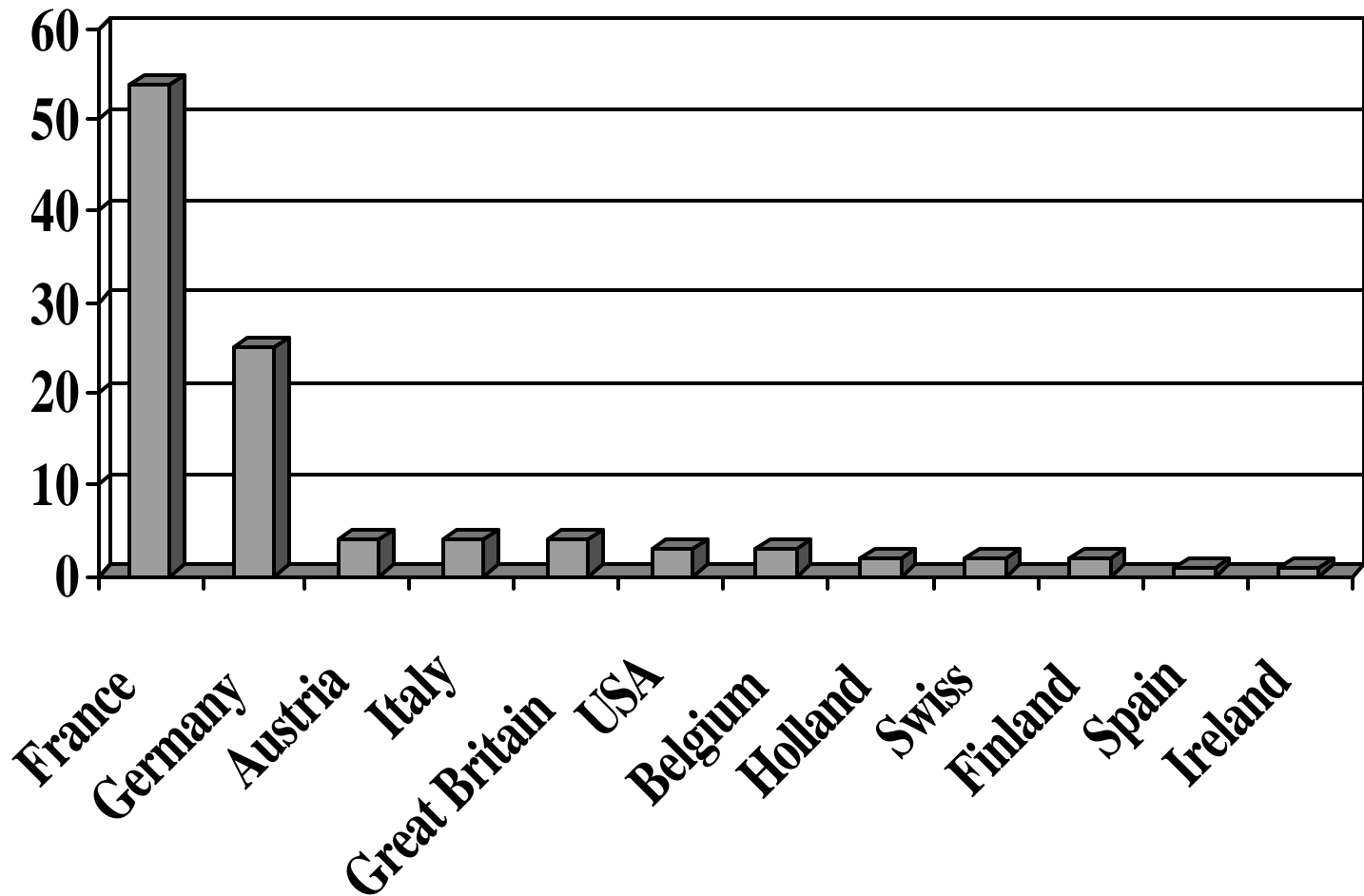
EUFANET workshop Agenda

- ***16.00: EUFANET Overview and results***
- ***16.10: Latest status of Philips FA-Board by Manfred Horst (Philips)***
- ***16.25: Fault isolation and failure analysis at system, board, or component level***
 - "Board level failure analysis" by Tuula Stenberg (Nokia)
 - "Magnetic force imaging" by Olivier Crepel (Philips Caen France)
 - "Failure analysis of ESD damage in the IC core" by Joachim Reiner (EMPA)
 - "Examples for reliability-critical construction weakness in small-power-hybrides and semiconductors " by Peter Jacob (EMPA)
 - "Defect localization in Solar Cell devices" by Felix Beaudoin (Thales Microelectronics Toulouse France).
- ***17.45: EUFANET issues***
 - *Email list extension*
 - *WEB*
 - *EUFANET Board*
- ***17.55: Wrap up***

EUFANET overview and results

- ***Aim of EUFANET (European Failure Analysis network)***
 - **Boost technical information exchange for European Failure Analysis community**
 - **Open to everyone involved in Failure Analysis topics**
 - **VLSI, IC, diodes, transistors, opto, resistor capacitor, Assembly...**
- ***EUFANET: a network of network***
 - **Improve information exchange**
 - *Existing structures*
 - **National societies (ANADEF, VDE...),**
 - **International societies (EDFAS...)**
 - **Workgroups on specific topic (EFUG...)**
 - *Every European Failure Analysis lab*
- ***First accomplishments***
 - **Mailing list to keep FA lab in touch**

Mailing list (103 members)



Mailing list

- **63 “public” emails (9 months)**
- **Virus free (CNES firewall)**
- **Public or private answer**
 - **Public answer example**
 - Question: *“Does anyone know where I can perform silicon thickness measurements on packaged devices on which the silicon substrate is already thinned (to less than 50micron) and polished?”*
 - 5 public answers
 - **Private answer example**
 - Question: *“I would like to use liquid crystal (K18) for hot spot detection from the backside. Do you think it is possible? What about resolution issue (thermal diffusion), silicon thickness (after thinning process)? Have you already tried it?”*
 - 1 public answer
 - 4 private answers that triggered a specific study on this topic (to be presented during ESREF)

EUFANET issues

- ***Email for communication***
 - List extension -> 500? (publicity campaign)
 - Privacy
 - Missing European countries
- ***WEB site for information***
 - Corresponding member (to send us relevant information about FA activities in your country or in your corporation)
 - Expert member (to send background and advanced material on FA topics)
 - Volunteering participant (to help us build the web site or other)
- ***EUFANET Board***
 - EUFANET obviously needs some volunteers to achieve minimal success
 - From informal rules to more formal statutes?

From informal rules to more formal statutes

- ***EUFANET RULES***

- EUFANET has to lower the barriers between people.
- EUFANET deals with economic downturn (business and conference trip are very limited), therefore it must focus on cheap ways (email, web site) to increase information exchanges on failure analysis topics.
- EUFANET offers free membership to fit with low cost requirements.
- EUFANET is neither an EUROPEAN ANADEF (or VDE ITG or EDFAS) nor a well structured new association. EUFANET is a light organization.
- EUFANET success strongly depends on the quality of information, questions and answers which members are ready to send.

- ***Do we need statutes?***

- Advantages: rule keeper ...
- Disadvantages: more formal ...