LIVE MUSEUM

MUSEUM OF INFORMATICS

SUMMARY

- INTRODUCTION
- PUBLIC ACTIVITIES
- MAINTENANCE TASKS
- CONCLUSIONS AND FUTURE WORK

INTRODUCTION

- WHAT'S THE BEST WAY TO DISPLAY COMPUTERS IN A MUSEUM?

  BEHIND A GLASS CABINET?

  JUST SHOWING THEIR PHYSICAL APPEARANCE (HARDWARE)?

- GRAPHICS, SOUND, MUSIC, ANIMATIONS, SCROLL, USER INTERACTIVITY
- PROMOTE SOFTWARE AS ANOTHER WAY OF ART, PRESERVE IT AS CULTURAL HERITAGE
- THERE ARE INTERESTING INITIATIVES SUCH AS THE COMPUTER SPIELE MUSEUM IN BERLIN

STATIC

DYNAMIC

PUBLIC ACTIVITIES

- RETROCOMPUTING WORKSHOP
- ASSOCIATION FOR COMPUTING MACHINERY
- RETRO PROGRAMMING COMPETITION
- PRAKTIKUM PROGRAM
- TEMPORARY EXHIBITIONS
- RETRÓPOLIS VALENCIA HTTP://MUSEO.INF.UPV.ES/RETROPOLIS

NEEDS OF A LIVE MUSEUM

- A STABLE COLLECTION OF SIMILAR RETROCOMPUTERS

- SOME TECHNICAL KNOWLEDGE TO MAKE THEM WORK ENOUGH

- AN EDUCATIONAL PURPOSE, PUT INTO PRACTICE BY MEANS OF LEARNING TUTORIALS

- ENOUGH PHYSICAL ROOM FOR A STANDARD SCHOOL STUDENT GROUP

- AN EXPERT TEACHER TO ATTEND IT

- EXTRA ROOM FOR TOOLS, REPAIRS, LOGISTICS, MATERIALS, WAREHOUSE, ETC.

TECHNICAL MAINTENANCE TASKS

- CONFIGURE ALTERNATIVE VIDEO OUTPUT
- BUY OR BUILD ADEQUATE POWER SOURCES
- SCREWDRIVER, SOLDERING IRON, CONNECTORS, ELECTRICS
- SWITCHES, KEYBOARD MEMBRANES, JUMPERS, WIRING
- MECHANICAL ISSUES (TAPE AND DISC DRIVES)
- TRANSMISSION BELTS
- NEW HOMEBREW HARDWARE AND SOFTWARE

OLD COMPUTERS IN XXI CENTURY

- SOFTWARE EMULATION, ROMS, HARDWARE EMULATION, FPGA
- CRT TVS, LCD TVS, PLASMA TVS AND RF, AV, RGB, SCART, VGA, HDMI
- AUDIO PLAYERS: CD PLAYERS, MP3 PLAYERS, ON-THE-FLY TAPE-IMAGE PLAYERS
- NOT-SO-OLD DISC DRIVES, PENDRIVES, SD OR MICRO-SD MEMORY CARDS, ETC.
- INTERNET CONNECTIONS, WIFI ACCESS, PROGRAMMING TOOLKITS, ETC.
- HOMEBREW OPERATING SYSTEMS, MEMORY EXTENSIONS,
- MULTIPLE DISSEMINATION ENCOUNTERS AROUND SPAIN AND OTHER COUNTRIES

CONCLUSIONS AND FUTURE WORK

- COMPUTERS ARE PRONE TO INTERACT WITH THEM

- THERE IS ROOM FOR LIVE COMPUTING MUSEUMS

- INTERNATIONAL COMMUNITY BEHIND THESE PROJECTS

- SIMPLE COMPUTERS ARE STILL USEFUL FOR TEACHING

- PROMOTE SOFTWARE AS A VALUABLE CULTURAL HERITAGE

- SOFTWARE AND VIDEOGAME PRESERVATION **YOUTUBE VIDEO**