



The Economic Potential of Cutural Heritage for the ICT Industry

• Terje M. Nypan (Dr.), Senior Advisor, Norwegian Directorate for Cultural Heritage

THE BROAD CONVERGENCE

Promoting Services & Applications for Businesses & Communities in a Knowledge Based Economy

THURSDAY 4TH & FRIDAY 5TH, November 2004 MALMÖ

Norwegian Directorate for Cultural Heritage





Structure



- · ICT potentials in market segment
 - Types of uses products
 - User groups
- Technological developments





1. CULTURAL HERITAGE

Definition

- Cultural heritage are all remains of human activity!
- Cultural heritage are those monuments and sites the competent national authority has declared and historic artifacts in museums and libraries.
- Cultural heritage is a common good and cannot only be handled as an other consumer good.
- Will here mainly treat it as those physical remains of human activity designated by competent authorities and I or having an major historic attraction value

Norwegian Directorate for Cultural Heritage





Types of values

- Experience value
- Knowledge values
- Use value: i.e. pecuniary value
- Cultural Heritage has multiple values
- Experience and Knowledge are difficult values to asess in monetary terms
- Unless they are actualy put to use and transposed to use values. Values are non exclusive and all are present in each object.
- Will concentrate on use value

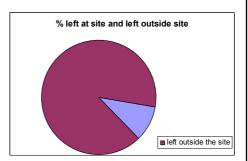
GL_{OBAL} FORUM 2004



ECONOMY OF SECTOR - structure

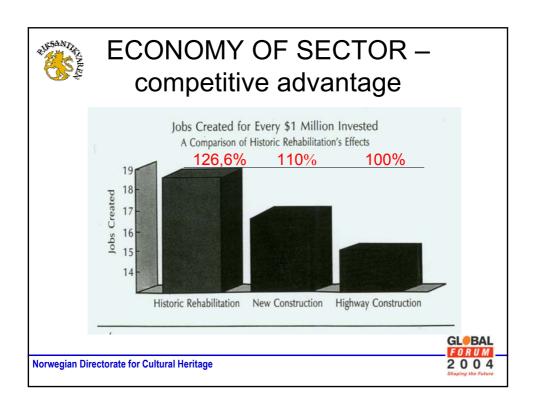
 Only 6-10% of the visitors daily spending is left at CH site, the rest flows to society around the site.

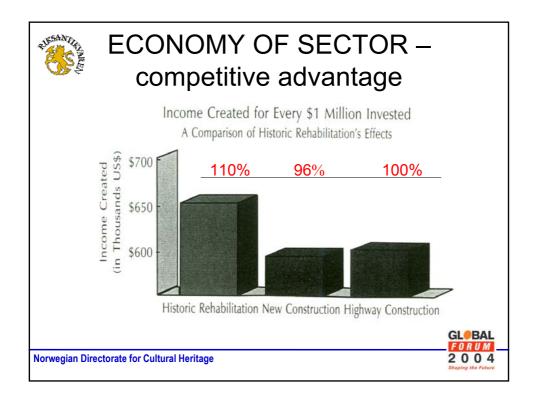
• English Heritage, Directorate for Cultural Heritage

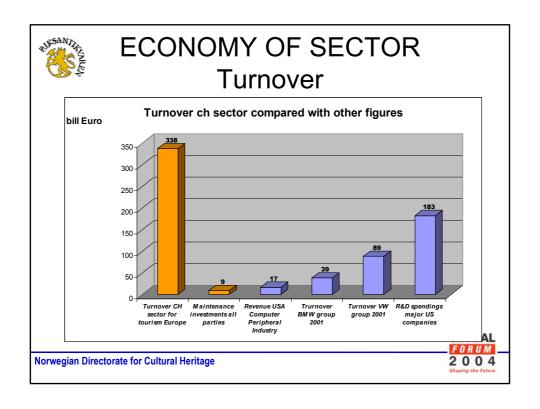


GLOBAL FORUM 2 0 0 4

Norwegian Directorate for Cultural Heritage









ECONOMY OF SECTOR – summary

- Generates employment for app. 8 million persons and a turnover of 335 bill Euro year.
- Historic rehabilitation creates 13% higher return on investments than new construction and 16,5% more jobs. It also produces 1.243 times less waste
- Historic rehabilitation creates app. 10% higher return on investment than highway contruction and 26,6% more jobs

Norwegian Directorate for Cultural Heritage



BUSINESS OPPORTUNITIES

- Tourist related information, events, experiential, transport, hotell & resturants
 - Tourist sector fastest growing in Europe
 - 30% of foreign income earnings
 - Manpower intensive
- Crafts & businesses related to crafts
- Construction, rehabilitation
- Information systems and related applications
- Use in education and other research and science related fields
- · Spinn off's to other sectors





ICT POTENTIALS IN MARKET SEGMENT

- Entertainment / Edutainement
 - Use cultural heritage buildings costumes etc.
 - laser technology for 3D rendering, high definition dvd (usable for video and TV and Film (one source technology) and digital manipulation techniques
 - Games
 - TV
- Information management for target groups
 - Management / Public administrations
 - · Multimedia programmes necessary
 - Museums & Libraries
 - Tourists

Norwegian Directorate for Cultural Heritage





ICT POTENTIAL SEGMENT

- · Educational programmes schools & universities
- Multimedia ex. Leonardo works of Medici University
 - Professional production software
- · General public
 - digitised encyclopaedias 'live' battles; animated history
- Management software (for administrations and multi property owners).
 - Multimedia



DISTRIBUTION & TECHNOLOGY DEVELOPMENT

- Mutual interests in developing the net as a transport and access media
- Interested in broad band to facilitate access and content transport
- Displays technologies for mini-screens and outdoor display
- High resolution technology for
 - content value added and
 - 3D rendering
- Laser for 3D models walkthrough guides, games and edutainment

Norwegian Directorate for Cultural Heritage



