Willkommen!

IKARUS

Data Exchange with XML-Schema
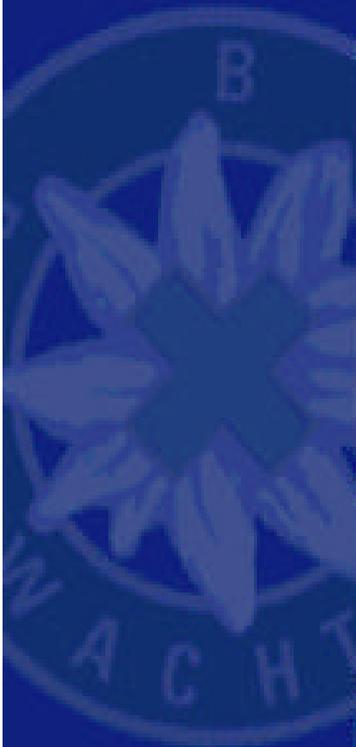
IT Working Group

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Data Exchange in the IKAR

- **currently:**
  - **80% with paper**
  - **20% with electronic data exchange**
- **but:**
  - **Internet use grows rapidly through cheaper online costs**
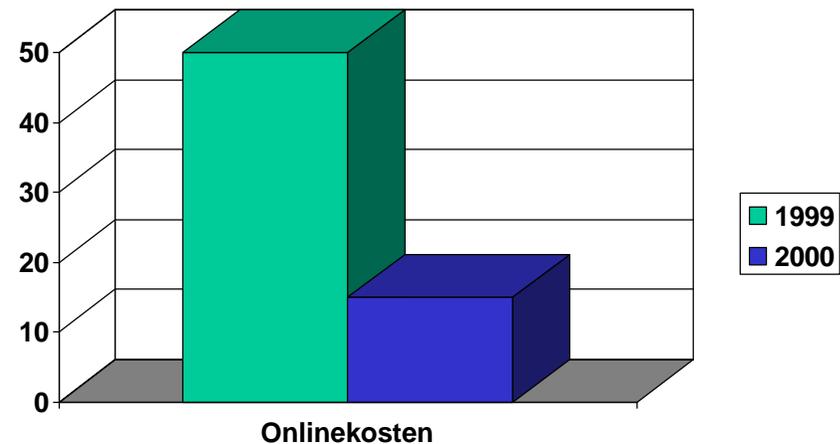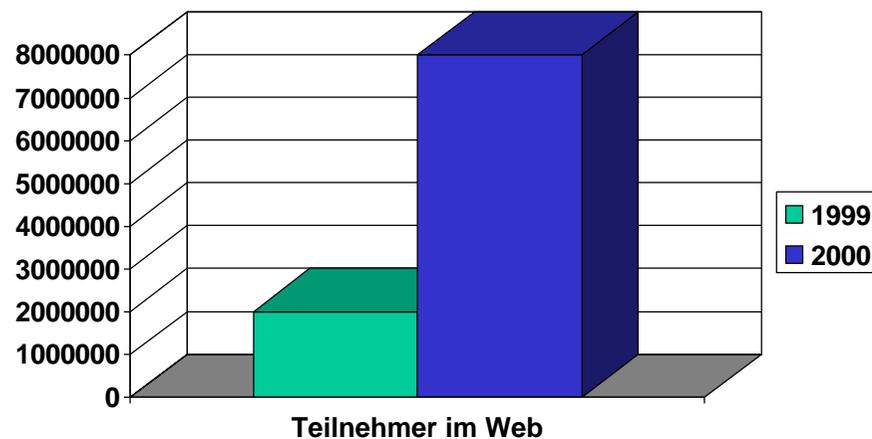
Electronic Data Exchange in the IKAR

- **present CSV-Format :**
  (comma separated variables)
  - **no variable fields**
  - **comma separated fields**

- **future XML-Schema Format IKARUS:**
  (eXtensible Markup Language – IKAR Unified Schema)
  - **Internet format (XML is the succeding format of HTML)**
  - **extensible**
  - **testable to mistakes already during the input procedure**

Current Disadvantages / Advantages

- **Disadvantage:**
  - **3 Files**
    - **operational data**   **UNF_01.TXT**
    - **personal data**   **UNF_02.TXT**
    - **expenditure data**   **UNF_03.TXT**
  - **extremely difficult to controll manually**

- **Advantage:**
  - **existing code**

Future Disadvantages / Advantages

- **Disadvantage:**
  - **the file can become rather big**

- **Advantage:**
  - **1 file with the same structure:**
    - **operational data**
    - **personal data**
    - **expenditure data**
  - **manually testable through simple readability**
  - **Internetformat (XML)**
  - **extended but optional basic data record**
  - **in addition extensible and / or restrictable to the needs of the individual organizations**
  - **multilingual**
  - **Internet input form is possible for data exchange**

Gentle Transition

- **by means of a conversion code which converts the old data into the new data and vice versa, a parallel operation of the old and new format is no problem.**

Further Information

- **Further Information:**
    - **http://www.bergwacht-bayern.de/information/xml**

- **General Information about XML:**
    - **http://www.w3.org/XML**
    - **http://www.xml.com**

- **Underlying XML-Schema Format:**
    - **http://www.w3.org/XML/Schema.html**