Requirements for CIS in IS&R evaluation tasks

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Introduction

• Investigate the collaborative requirements in a real work situation
• Identifying CIS aspects needed to be supported in a design process
• Setting – CLEF Evaluation Campaign (similar to the TREC environment)
Methodology

• Setting: CLEF evaluation campaign
• CLEF different Labs and sub-tracks
• Questionnaire to all lab-organisers and a set of participants
• Classification of answers
Results

• The investigation identified
  – Categories of users
    • organizers, experiment participants, relevance assessors, topic creators, site administrators.
  – Categories of tasks
    • Different for different types of user categories
  – Identified needs and
    • Related to user/task
  – Support for collaboration
    • Related to user/task/need
Example : Organizer

- **Preparation of DATA**
  - Creating copyright forms, Data on which tasks are available in a specific year,
    Create metadata forms to collect metadata
- **Add DATA**
  - information about the specific track on tasks and collections
- **View COLLECTION**
  - data collection statistics, documents, metadata, language distributions, citations,
    classifications, annotations, images, case description
- **CREATE topics/information needs**
  - ..... 
- **VIEW User data**
  - ..... 
- **HANDLE submissions**
  - .......... 
- **RUN evaluation**
- **GATHER and COMBINE results**
- **UPLOAD results**
Example: Identified Need

*Identified Need #1:*

The procedure and standards of preparation of data to other track organisers (participants, assessors, topic creators and visitors (other researchers) in order to discuss and prepare performance measures and statistical analysis and scientific paper publication.
Example: Support needed

Support for collaboration:
Allow the organizers to collaborate with the other users
- within a specific track as well as
- between other organizers in other tracks
- tools that allow organisers to define and prepare relevant
- measures for a task and to be able to communicate this to other actors such as participants, assessors, topic creators and visitors
- tools that enable statistical analysis of different data in a collaborative environment. For example, single participants could compare their analysis with other participants.
Summary

• Exploratory study described a way of capturing requirements for collaborative information situations in an IR evaluation setting.
• Different participants, tasks and sub-tasks were identified
• Different needs for collaborative support was identified and how these needs could be supported was proposed.