

# Requirements for CIS in IS&R evaluation tasks

Preben Hansen

SICS

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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.