Data Driven Research and Development in RoboCup



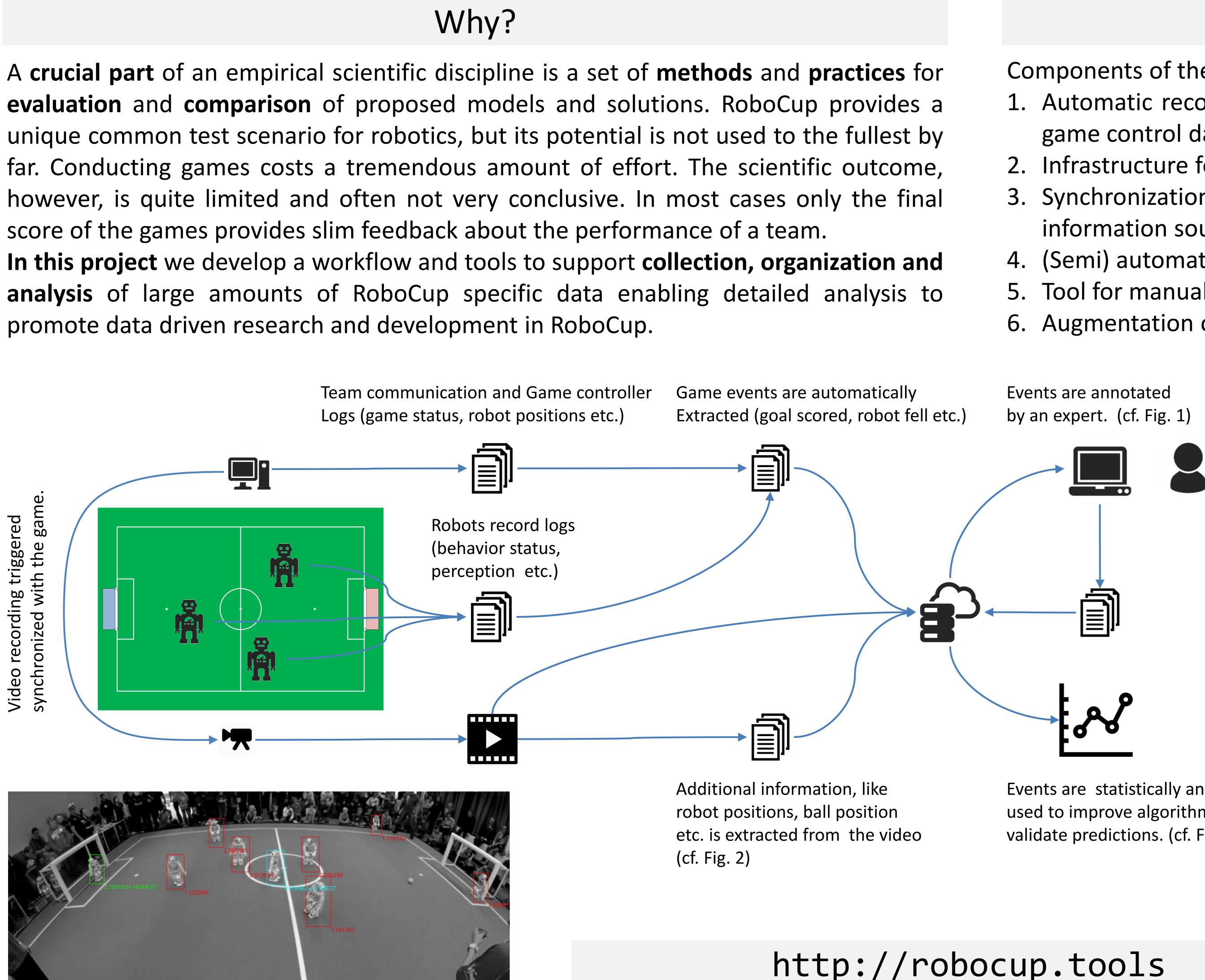


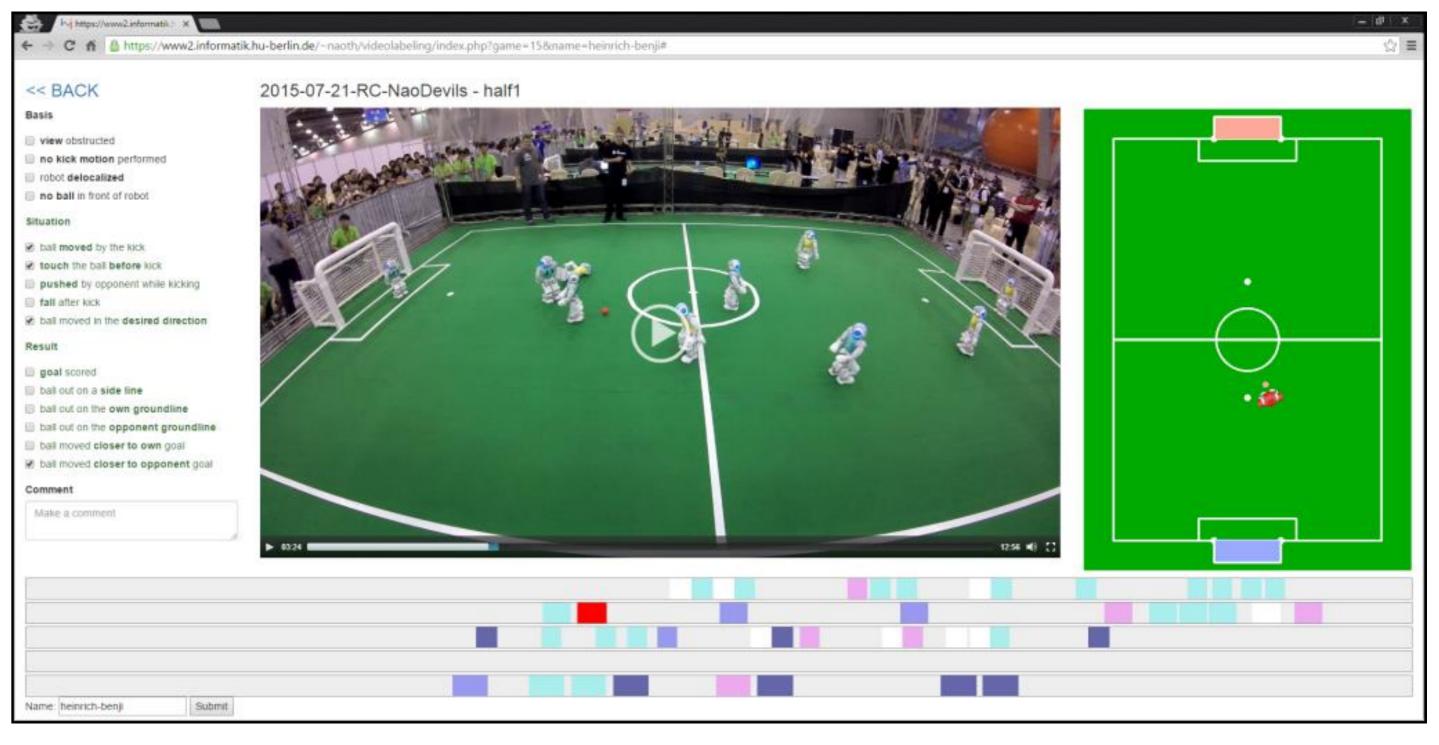
Fig. 2. Augmentation of videos with meta information (here, detected robots).

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All tools developed within this project and the collected data are made publically available.

Aim of the Project

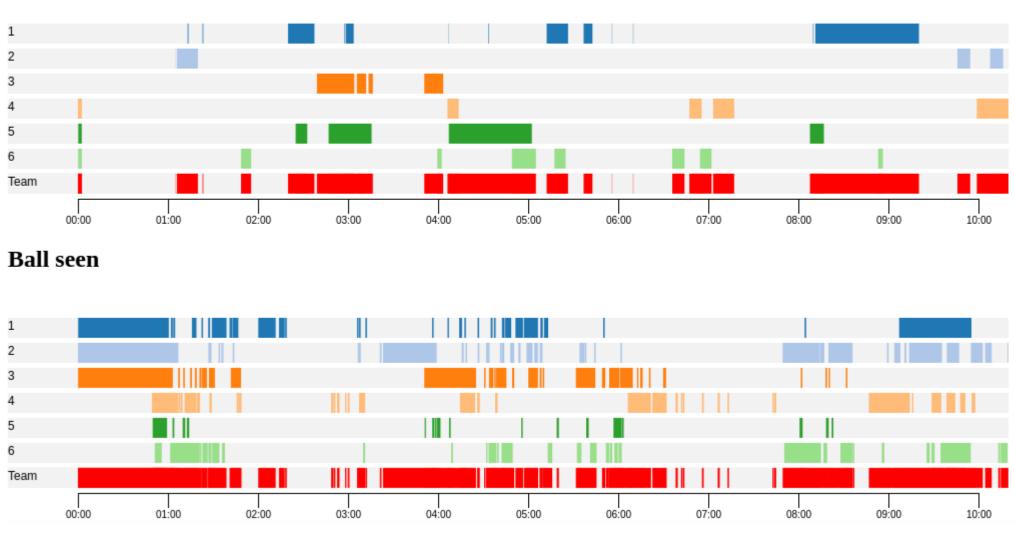
- Components of the proposed toolbox are:
- 1. Automatic recording of game videos synchronized with team communication and game control data;
- 2. Infrastructure for recording of log files on each robot during the game; 3. Synchronization of local (logs recorded by the robots) and global (game videos) information sources;
- 4. (Semi) automatic mining in log files;
- 5. Tool for manual annotation of events in videos;
- 6. Augmentation of videos with meta information (detected robots).

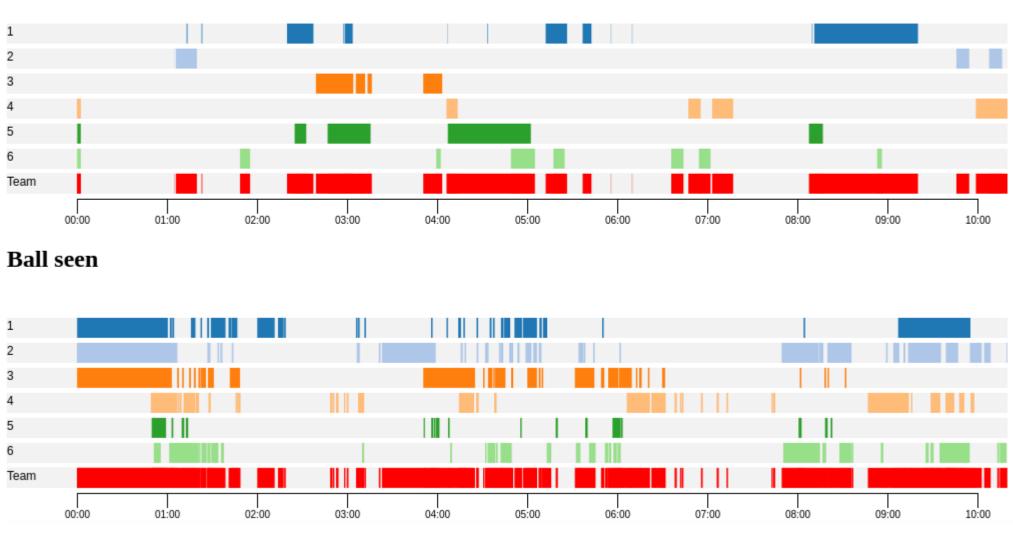




Fallen states

Events are statistically analyzed and used to improve algorithms or validate predictions. (cf. Fig. 3)





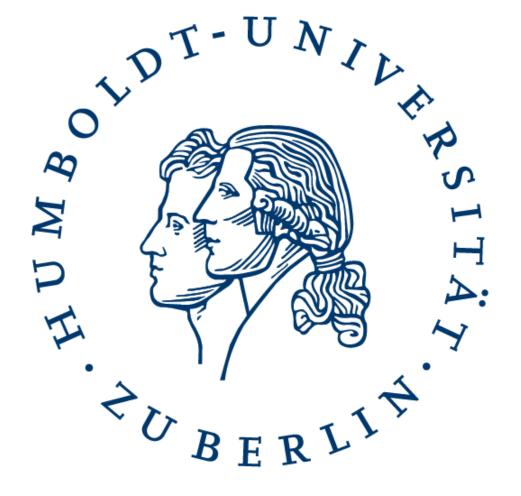


Fig. 1. Tool for manual annotation of events in videos.

Fig. 3. Visualization statistical data.