

The ALICE Glance Shift Accounting Management System (SAMS)

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The ALICE Experiment operation

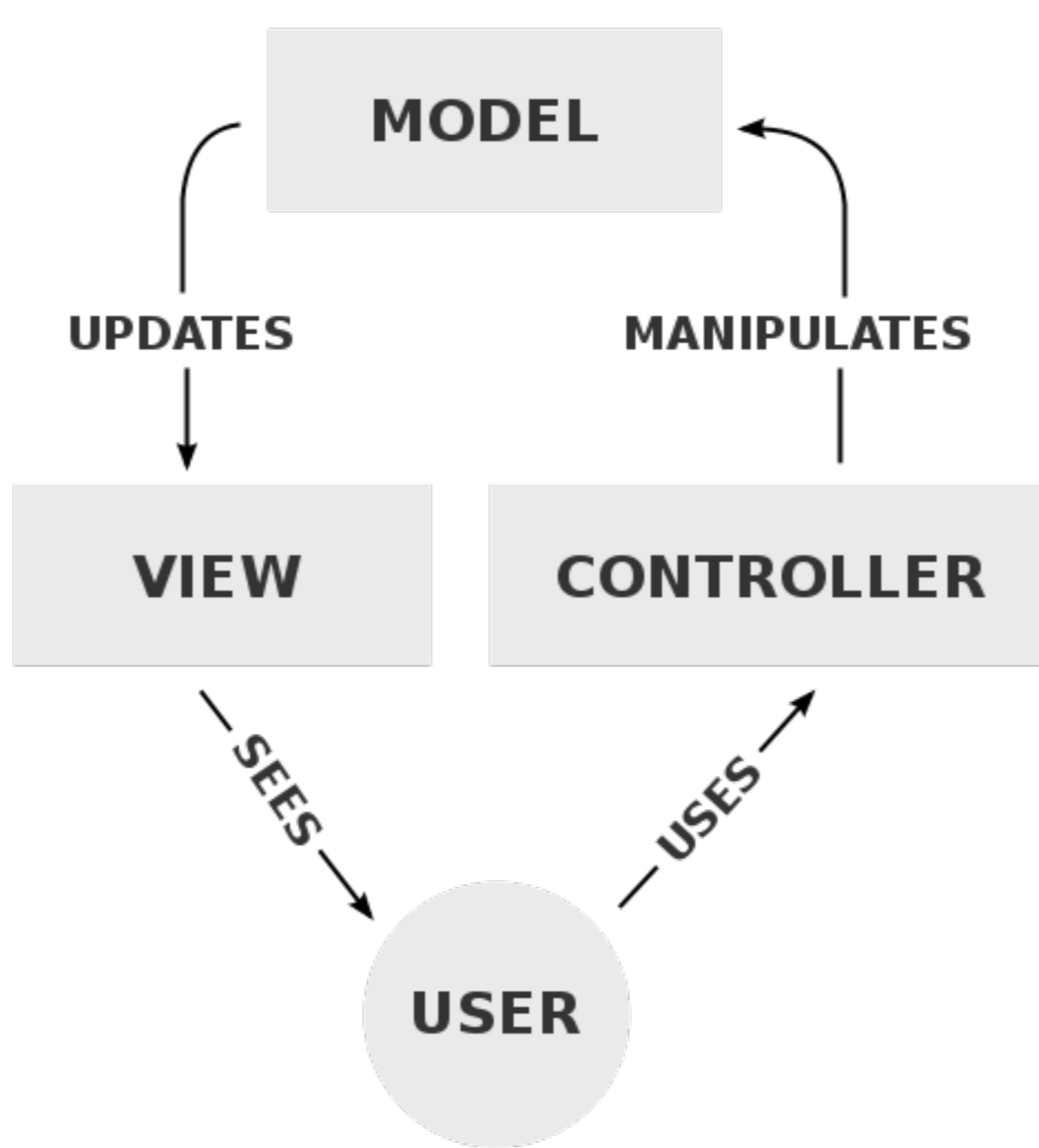
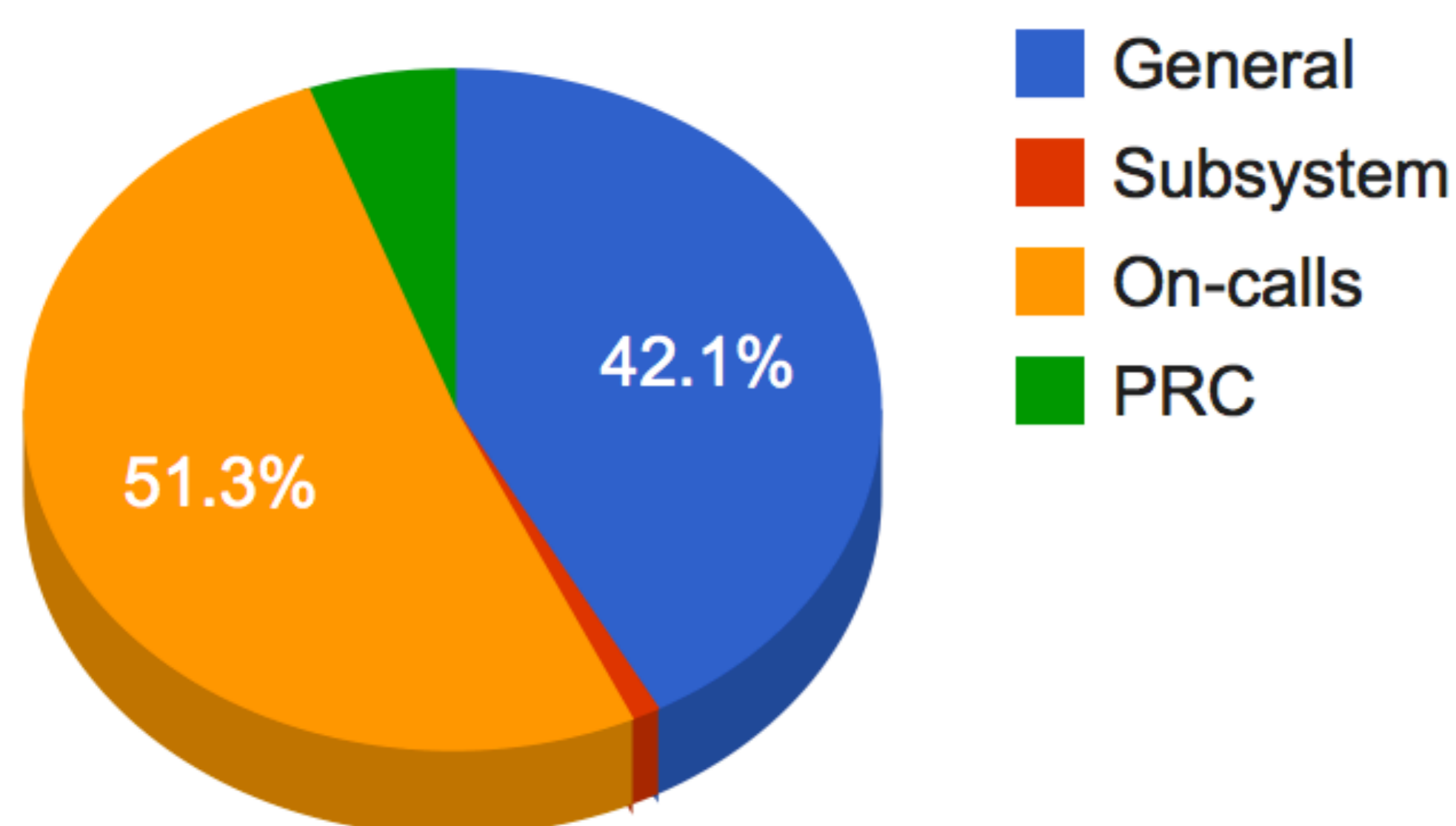
ALICE (A Large Ion Collider Experiment) is an experiment at the CERN LHC (Large Hadron Collider) studying the physics of strongly interacting matter and the quark-gluon plasma.

The experiment operation requires a 24 hours per day and 7 days a week "shift" crew at the experimental site, composed by the ALICE collaboration members.

The ALICE Shift Accounting Management System (SAMS) is used to manage the shift bookings as well as the training classes.



2015 Shifts Credits distribution



The GLANCE project

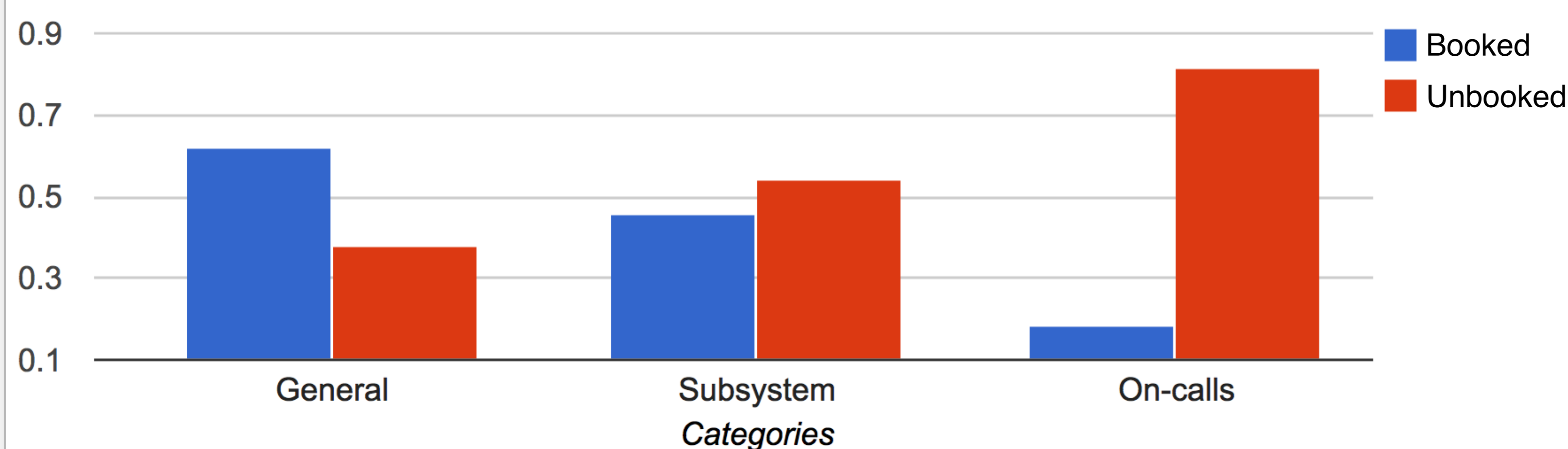
Result of a fruitful joint effort between UFRJ (Federal University of Rio de Janeiro) and the ALICE Collaboration.

The Glance technology, developed by the UFRJ and the ATLAS experiment, sits at the basis of the system as an intermediate layer isolating the particularities of the database.

It implements a MVC pattern and uses the following technologies:

- C++ and CGI
- OCCI (Oracle C++ Client Interface) for DB connection
- Apache Xerces-C++ for XML parsing
- GNU CgiCC for CGI parsing

Bookings by Categories



ALICE SAMS Users Credits Classes Shifts Runs

Search Users [] Access Details []

E-mail for selected members Select All Select All Oncalls Select All Shifters

10 Mar 2015 Morning

Run Coordinator
 RONCHETTI, Federico
 168781 federico.ronchetti@gmail.com

Period Run Coordinator
 BATHEN, Bastian
 166041 bastian.bathen@cern.ch

General **Oncall**

SL
 Shifter: MASERA, Massimo (Present)
 Trainee: FASEL, Markus (Present)

DCS
 Shifter: PAN, Jinjin (Present)
 Trainee: CHAMBERT, Valerie (Present)

ACORDE
 FERNANDEZ TELLEZ, A...
 162201 arturo.fernandez.tell...

DQM
 Shifter: SULTANOV, Rishat (Present)
 Trainee: KISELEV, Sergey (Present)

ECS
 Shifter: RAMELLO, Luciano (Present)
 Trainee: NIEDZIELA, Jeremi (Present)

AD
 KIM, Taesoo
 167576 taesoo.kim@cern.ch

CPV
 EVDOKIMOV, Sergey
 167264 sergey.evdokimov@...

The ALICE GLANCE Shift Accounting application

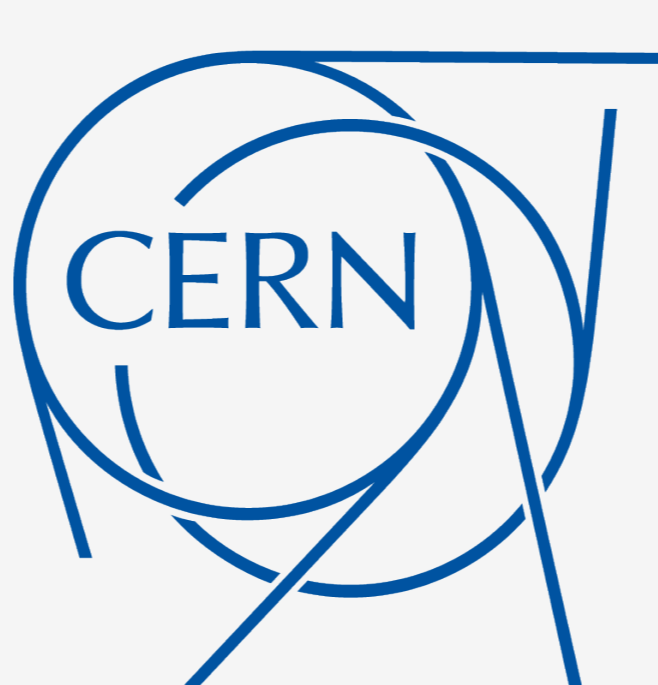
ALICE SAMS allows run, period and training coordinators:

- To manage their subsystem operation.
- To ensure an efficient personnel management.

Members of the ALICE collaboration can book shifts and on-call according to predefined rights.

ALICE SAMS features a user's profile containing all user contact information as well as the institute profile.

An overview display presents the shift crew attending the control room and allows the run coordination team to confirm the presence of both regular and trainee shift personnel, necessary for credit accounting.



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