

Developing MUMIE – module additional entries in the Moodle-core for event-handlers

For keeping a third-party-software's database consistant to Moodle's we need to get to know about certain events. Since the event-handler-calls needed are not implemented yet, we had to put them into the core-code by ourselves to go on testing and implementing.

We inserted the following:

1. For user updated:
 1. by an admin:

```
we inserted events_trigger('user_updated', $usernew);
in moodle/user/editadvanced.php (near line 103)
```
 2. by himself:

```
- we inserted events_trigger('user_updated', $usernew);
in moodle/user/edit.php (near line 115)
- we inserted $eventdata = new object();
    $eventdata->user = $USER;
    $eventdata->newpassword = $data->newpassword1;
    events_trigger('password_changed', $eventdata);
in moodle/login/change_password.php (near line 71) for updating a password
```
2. For user deleted:

we did not insert anything yet
3. For course updated:

```
we inserted events_trigger('course_updated', $data);
in moodle/course/edit.php (near line 109)
```
4. For course deleted:

```
we inserted events_trigger('course_deleted', $course);
in moodle/course/delete.php (near line 73)
```
5. For category updated:

```
we inserted events_trigger('category_updated', $category);
in moodle/course/category.php (near line 61)
```
6. For category deleted:

```
we inserted events_trigger('category_deleted', $deletecat);
in moodle/course/index.php (near line 151)
```
7. For group created:

```
we inserted events_trigger('group_created', $data);
in moodle/group/edit.php (near line 112)
```
8. For group updated:

```
we inserted events_trigger('group_updated', $data);
in moodle/group/edit.php (near line 127)
```
9. For group deleted:

```
we inserted events_trigger('group_deleted', $id);
in moodle/group/edit.php (near line 86)
```
10. For a user added to a group:

```
we first inserted    $eventdata = new object();
                    $eventdata->groupid = $groupid;
                    $eventdata->userid = $userid;
                    events_trigger('group_user_added', $eventdata);
in moodle/group/assign.php (near line 55)
BUT because of the possibility of self-enrolments, we suggest to better insert this into
moodle/group/lib/basicgrouplib.php in function groups_add_member($groupid, $userid)
```

11. For a user removed from a group:

```
we inserted      $eventdata = new object();
                  $eventdata->groupid = $groupid;
                  $eventdata->userid = $userid;
                  events_trigger('group_user_removed', $eventdata);
in moodle/group/assign.php (near line 72)
```

With all this in the core-code our module works fine and we really hope to have this calls in the 1.9 release, too.