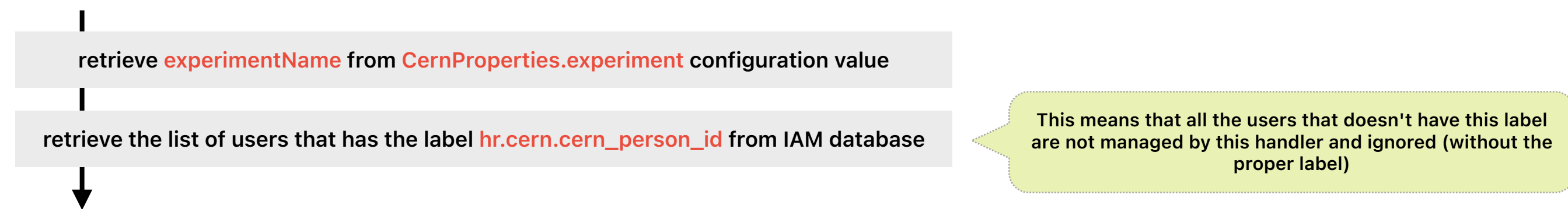
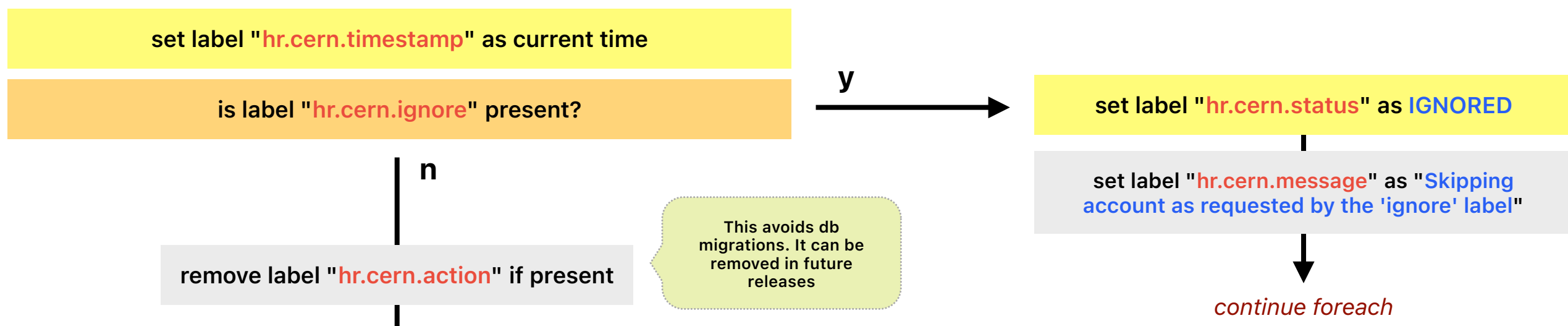


# CERNHrLifecycleHandler



This means that all the users that doesn't have this label are not managed by this handler and ignored (without the proper label)

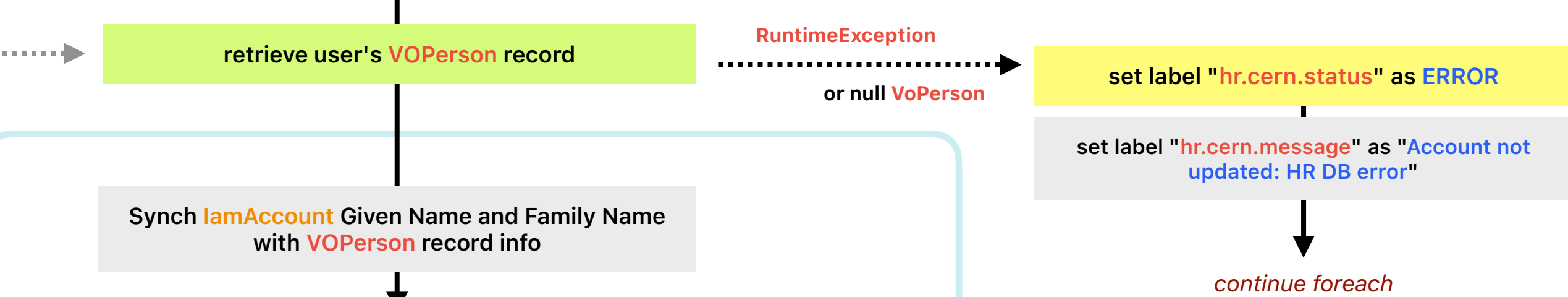
foreach lamAccount that has a "hr.cern.cern\_person\_id" label



This avoids db migrations. It can be removed in future releases

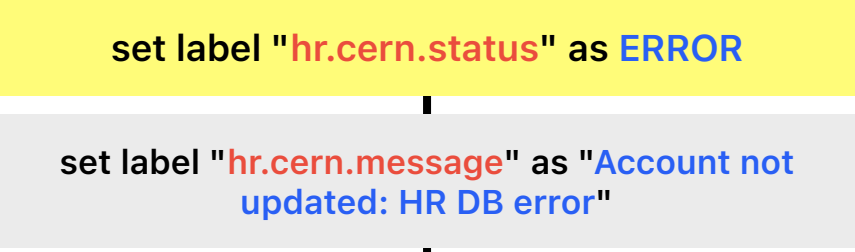
continue foreach

HR DB API  
hr-db-api.web.cern.ch



User info synchronization with VOPerson record retrieved from HR database

RuntimeException or null VoPerson



We don't touch end-time so we totally rely on a manual intervention to eventually extend user's membership when needed

label "hr.cern.ignored" is used to exclude a user from this update (probably a user that won't exist on HR db?) = you need to manually manage user's endTime to avoid suspension

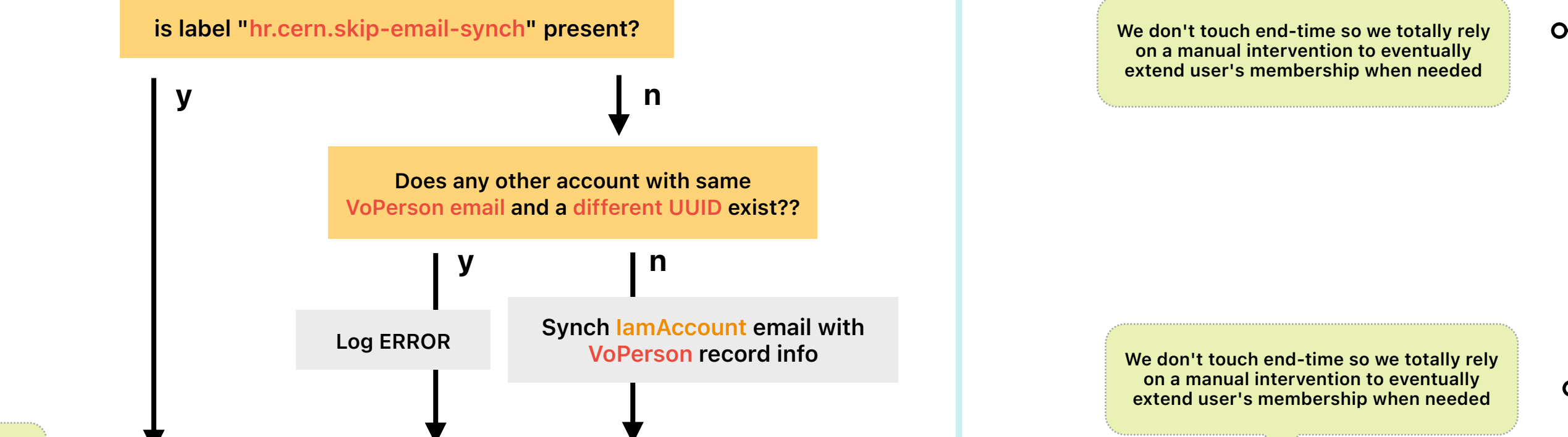
label "hr.cern.timestamp" value is the last time HR handler has run

label "hr.cern.status" values are:  
 - IGNORED when label "hr.cern.ignore" is present,  
 - ERROR in case of failed connections to HR API or null VOPerson record  
 - MEMBER: when API returns the VOPerson record and the participation to the experiment is found and not expired,  
 - EXPIRED: when API returns the VOPerson record and the participation to the experiment is found but it's expired

label "hr.cern.message" contains a detailed explanation of the status

label "hr.cern.skip-email-synch" if set is used to skip email update from HR record (manually set via API)

label "hr.cern.action" has been removed



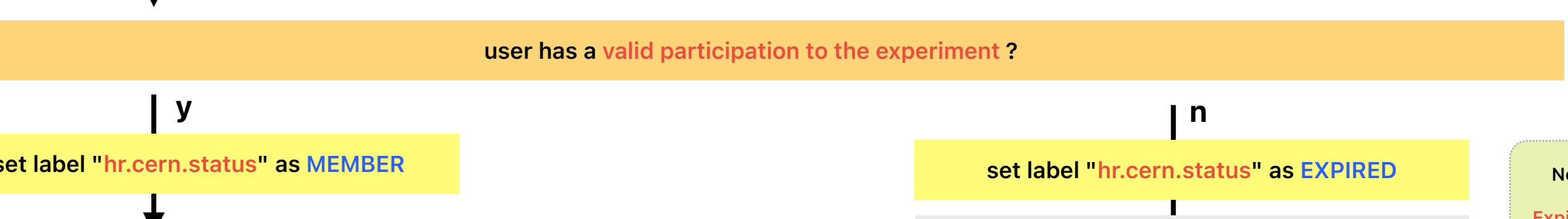
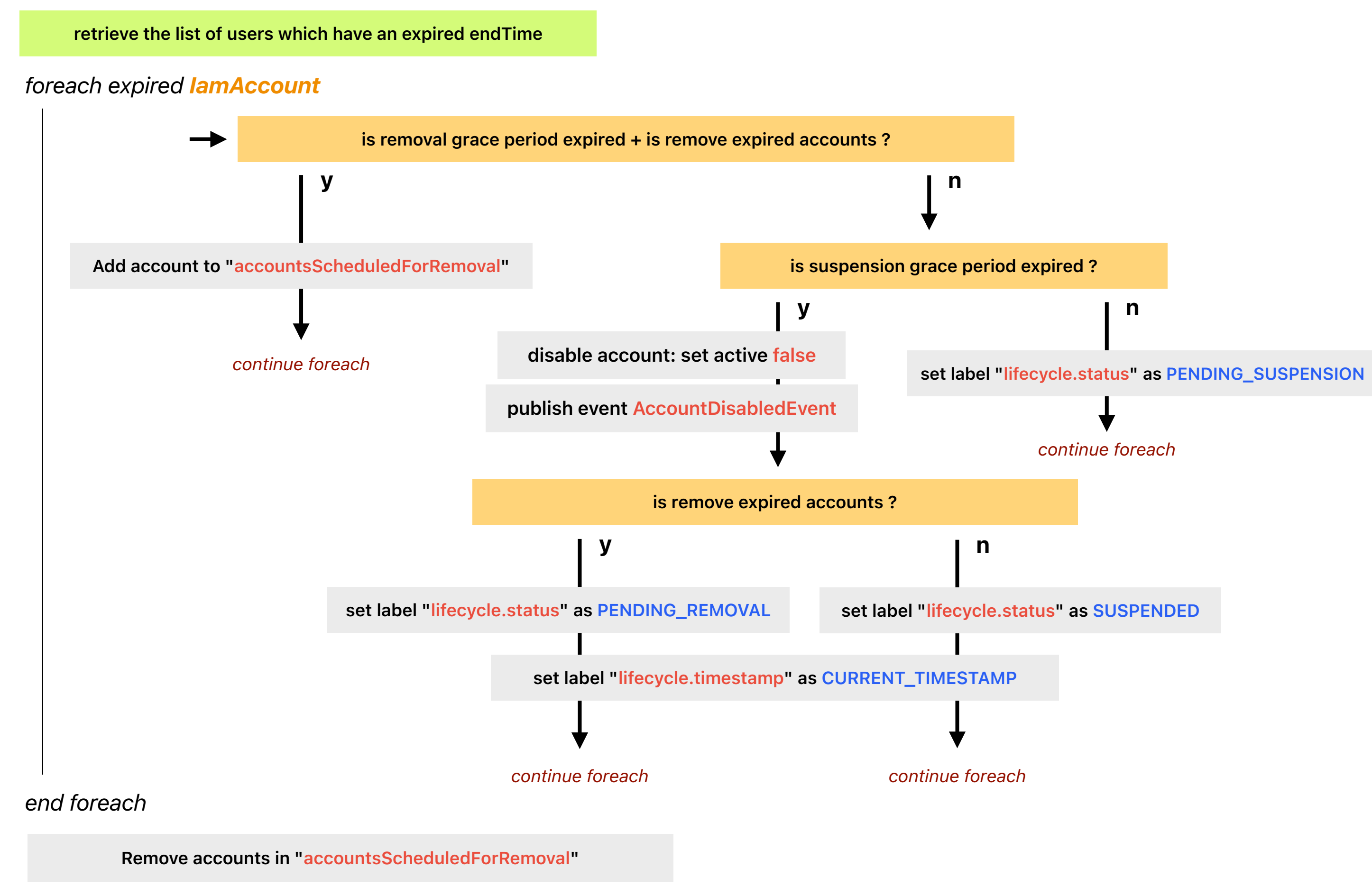
Search if experimentName is included into the VOPerson participation list

The idea is to delegate to the ExpiredAccountsHandler the management of expired users suspension, considering the configured grace periods

We don't touch end-time so we totally rely on a manual intervention to eventually extend user's membership when needed

We need a restore logic for non-CERN instances: setting the end-time could restore a user?

## ExpiredAccountsHandler



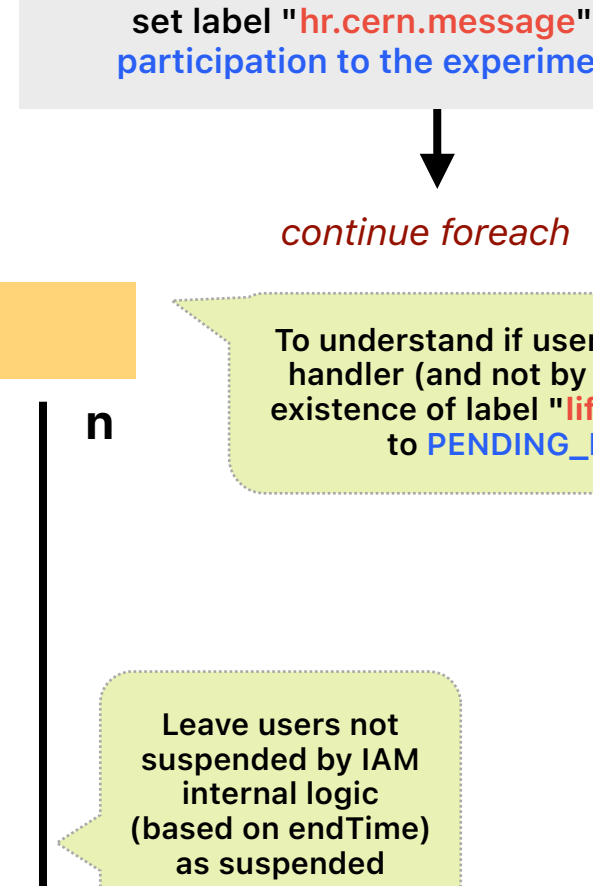
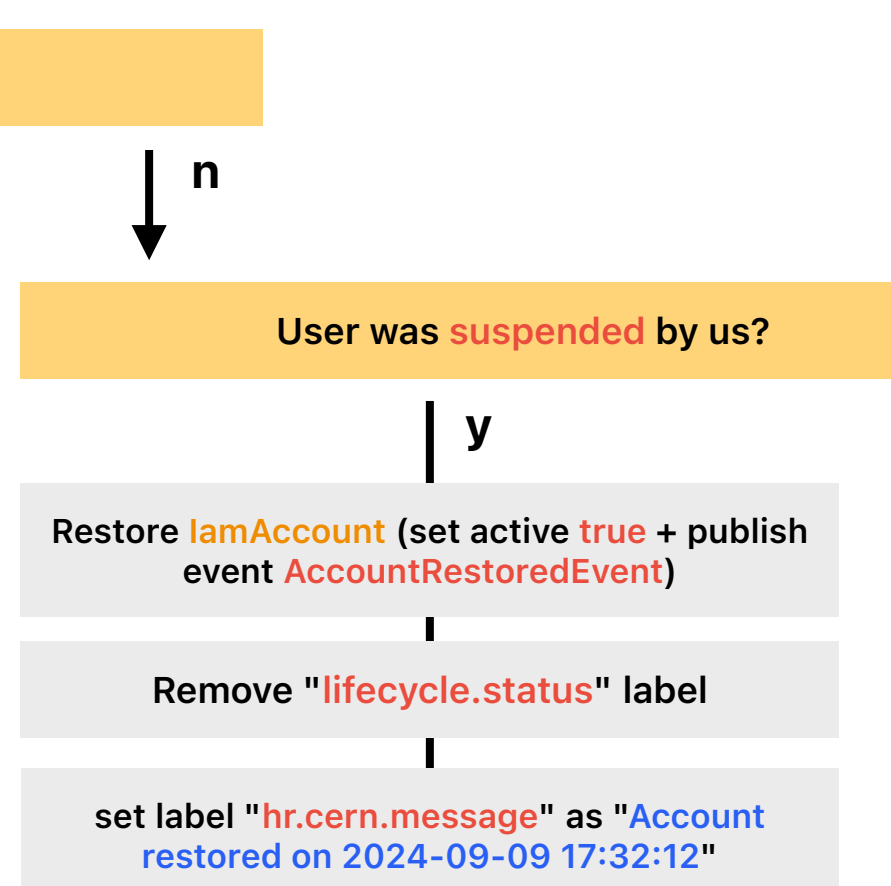
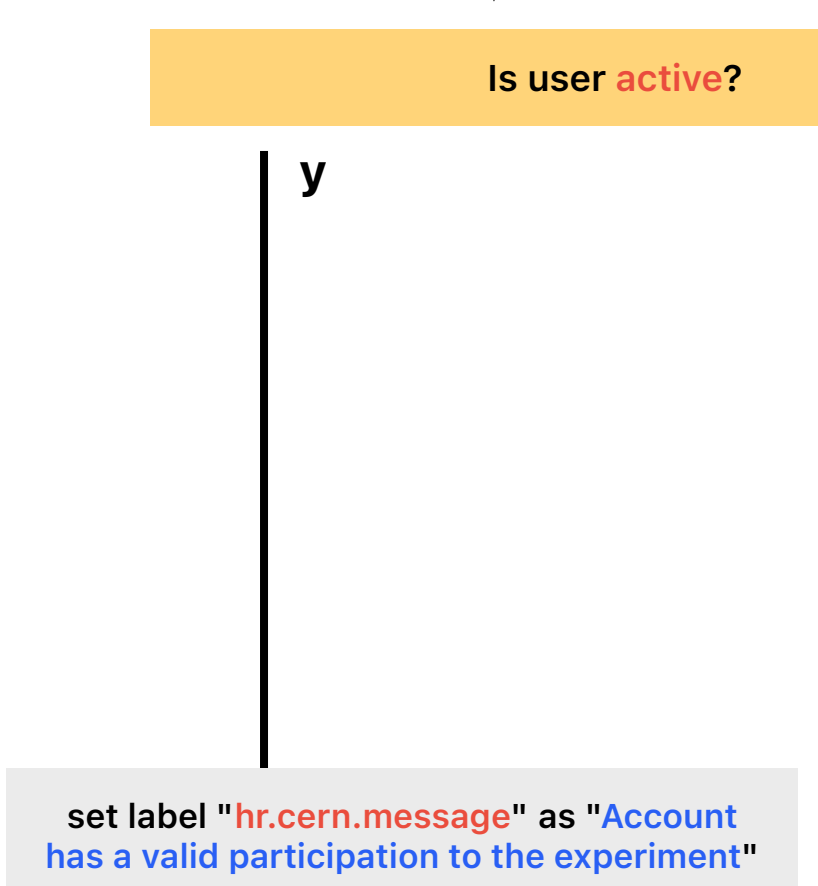
No suspension is done. Delegate ExpiredAccountsHandler to manage expired users suspension, considering the configured grace periods

"participation to the experiment valid" means user's participation to the experiment endDate null or greater+equal to current Date, excluding time part

To understand if user was suspended by IAM lifecycle handler (and not by an admin) we need to check the existence of label "lifecycle.status" + its value equals to PENDING\_REMOVAL or SUSPENDED

User can be suspended by admins through the dashboard that means via SCIM API and the account simply is updated by setting active = false, no end-time is touched or label added!

Leave users not suspended by IAM internal logic (based on endTime) as suspended



end foreach