

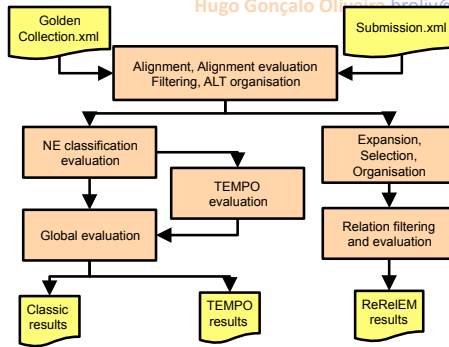
# SAHARA: online service for HAREM Named Entity Recognition Evaluation

http://www.linguateca.pt/HAREM  
http://www.linguateca.pt/SAHARA

Nuno Cardoso ncardoso@xldb.di.fc.ul.pt Faculty of Sciences, University of Lisbon, LaSIGE  
Hugo Gonalo Oliveira hgo@dei.ucp.pt

## What is HAREM?

- HAREM is an evaluation contest for named entity recognition (NER) in Portuguese
- Second HAREM took place in 2008, featured 3 tracks, 10 participant systems and 29 submissions
- HAREM tracks: **Classical HAREM**, **TEMPO track** and **ReReIEM track**



## What is SAHARA?

- SAHARA** is an online evaluation tool for HAREM. Allows researchers to:
- perform post-hoc evaluations of their NER systems in the evaluation tracks of the Second HAREM
  - compare their results with the official best results of other NER systems, helps measuring the impact of improvements made on NER systems.

## Step 1 – Uploading a submission

Por favor, aguarde. A sua participao est a ser validada.  
Please wait. Your run is being validated.

Invalid submissions generate a report with error location and type

- Submissions in HAREM format  
- Valid submissions go to step 2

Avaliao da participao:

A seguinte tabela apresenta os erros que o ficheiro contm.

Erro	Linha	Column	Descrio do erro
error	127	1410	bad value for attribute "SUBTIPO"
error	127	2087	bad value for attribute "SUBTIPO"
error	128	309	bad value for attribute "SUBTIPO"
error	475	1280	bad value for attribute "SUBTIPO"
error	1172	142	bad value for attribute "SUBTIPO"
error	2043	183	bad value for attribute "SUBTIPO"
error	2043	1712	element "EM" not allowed in this context
error	4051	173	bad value for attribute "SUBTIPO"
error	4056	329	bad value for attribute "SUBTIPO"
error	5656	640	bad value for attribute "SUBTIPO"

## Step 2 – Configuring the evaluation

- Selecting a track updates the other configuration forms  
- User can select a HAREM scenario, or build its own.

- Available golden collections depend on the chosen track

## Step 3 – Displaying the results

- All generated files are available to download

- Execution plan shown for selected tracks.  
- Command lines used are also shown, so users can repeat the evaluation locally.

- If the selected scenario is an HAREM scenario, the evaluation results are presented together with the results of the three best systems in HAREM