

The ALBAYZIN 2022 Search on Speech Evaluation Plan

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Abstract. This document presents the evaluation plan for the coming ALBAYZIN 2022 Search on Speech evaluation. This evaluation aims to find a list of terms/queries in audio archives and is divided into two different tasks: Spoken Term Detection and Query-by-Example Spoken Term Detection. Spoken Term Detection employs a list of terms for searching whereas Query-by-Example Spoken Term Detection makes use of acoustic examples for searching. The Spoken Term Detection task cannot make use of prior knowledge of the list of terms when processing the audio. On the other hand, Query-by-Example Spoken Term Detection cannot make use of prior knowledge of the correct word/phone transcription of the acoustic examples when conducting the search. In this evaluation, participants are encouraged to build end-to-end systems for both tasks.

1 Introduction

The ALBAYZIN 2022 Search on Speech evaluation is supported by the Spanish Thematic Network on Speech Technology (RTTH)³ and is organized by Universidad San Pablo-CEU and AUDIAS from Universidad Autónoma de Madrid. The evaluation workshop will be part of *IberSpeech 2022* to be held in Granada (Spain), in November 2022.

This evaluation involves searching in audio content a list of terms/queries and it is suitable for groups working on speech indexing/retrieval and speech recognition. In other words, this evaluation focuses on retrieving the audio files that contain any of those terms/queries along with the corresponding timestamps.

2 Evaluation description

The Search on Speech evaluation consists of two different tasks:

- **Spoken Term Detection (STD)**, where the input to the system is a list of terms, but these terms are unknown when processing the audio. This task

³ <http://www.rthabla.es>

must generate a set of occurrences for each term detected in the audio files, along with their timestamps and score as output. This is the same task as in NIST STD 2006 evaluation [1] and Open Keyword Search in 2013 [3], 2014 [4], 2015 [5], and 2016 [6].

- **Query-by-Example Spoken Term Detection (QbE STD)**, where the input to the system is an acoustic query and hence a prior knowledge of the correct word/phone transcription corresponding to each query cannot be used. This task must generate a set of occurrences for each query detected in the audio files, along with their timestamps and score as output, as in the STD task. This QbE STD is the same task as those proposed in MediaEval 2011, 2012, and 2013 [2].

For QbE STD task, participants are allowed to make use of the target language information (Spanish) when building their system/s (i.e., system/s can be language-dependent). Nevertheless, participants are strongly encouraged to build language-independent QbE STD systems, as in past MediaEval Search on Speech evaluations, where no information about the target language was given to participants.

In case a Large Vocabulary Continuous Speech Recognition (LVCSR) system is employed to construct the system for Spoken Term Detection and/or Query-by-Example Spoken Term Detection tasks, the way in which the LVCSR dictionary has been built **must** be fully described in the system description paper. This evaluation will define two different sets of terms/queries for STD and QbE STD tasks: an in-vocabulary (INV) set of terms/queries and an out-of-vocabulary (OOV) set of terms/queries from lexicon and language model perspectives. The OOV set of terms/queries will be composed by out-of-vocabulary words for the LVCSR system. This means that, in case participants employ an LVCSR system for processing the audio for any task (STD, QbE STD), these OOV terms (i.e., all the words that compose the term) must be previously removed from the system dictionary/language model and hence, other methods (e.g., phone-based systems) have to be used for searching OOV terms/queries. Participants can consider OOV words for acoustic model training, if they find it suitable.

2.1 Primary and contrastive systems

Participants could submit their system/s either for the Spoken Term Detection task, Query-by-Example Spoken Term Detection task or for both tasks. Participants are required to submit one primary system and up to 4 contrastive systems for any task. Both development⁴ and test output files must be submitted by participants. In this way, overfitting and calibration issues can be detected and the robustness of the proposed methodology can be evaluated and compared to other methodologies. Participants will be ranked in these tasks according to the performance attained by their primary systems on the test data.

⁴ In case development data are provided for the corresponding database.

3 Database description

Three different databases will be employed in this evaluation for the STD and QbE STD tasks: (1) MAVIR database, which has been used in previous ALBAYZIN Search on Speech evaluations, and comprises a set of talks extracted from the Spanish MAVIR workshops⁵ held in 2006, 2007 and 2008 (Corpus MAVIR 2006, 2007 and 2008) corresponding to Spanish language, (2) RTVE database, which comprises different Radio TeleVisión Española (RTVE) programs recorded from 1960 to 2022, and (3) SPARL22, a small subset of speech from Spanish parliament sessions held from 2016. For the MAVIR and the RTVE databases, three separate datasets (i.e., for training, development, and test) will be provided to participants. For the Spanish parliament database, only test data will be provided. This will allow organizers to measure the generalization capability of the systems in an unseen domain.

3.1 Training data

Training data provided by the evaluation organizers belong to the MAVIR and RTVE databases. However, we do not limit the amount of training data that can be employed to build the systems and hence any kind of data can be used for system training provided that these data are fully documented in the system description paper. In addition, these training data can be used for participants as they consider more suitable (i.e., training, development, etc.).

Regarding the MAVIR database, about 4 hours of speech extracted from 5 audio files will be provided as training material. The speech data were originally recorded in several audio formats (PCM mono and stereo, MP3, etc). All data were converted to PCM, 16khz, single channel, and 16 bits per sample WAV files using the Sox tool⁶. The corresponding word transcription of the speech material will also be provided.

Regarding the RTVE database, about 460 hours of speech extracted from different TV shows will be provided as training material. The speech data are provided in AAC format, stereo, 44100hz, and variable bit rate. The speech files can be easily converted to PCM, 16khz, single channel, and 16 bits per sample WAV files with the *ffmpeg* tool⁷ and the following command:

```
ffmpeg -i <fich>.aac -ar 16000 -ac 1 <fich>.wav,
```

where *<fich>* is the name of the audio file in the original AAC format. The subtitles corresponding to these training data will also be provided, though these could not contain an accurate word transcription. The RTVE data are available to the evaluation participants subject to the terms of license agreement with the RTVE. The license agreement can be downloaded from Cátedra RTVE-UZ

⁵ <http://www.mavir.net>

⁶ <http://sox.sourceforge.net/>

⁷ <https://ffmpeg.org/>

web page (<http://catedrartve.unizar.es/rtvedatabase.html>). Participants must sign the agreement and send a scanned copy attached to the email. A digital signature is also valid. A copy signed by RTVE representative will be returned following the instructions given in the web page. RTVE authorizes the use of the contents released for the evaluation, for their use in research works, to all those participants. The authorization will be valid for three years from the date of the public communication of the results of the evaluation. After this period, if necessary, an extension may be requested for the same use.

3.2 Development data

Development data belong to the same databases for which training data are provided (i.e., Spanish MAVIR workshop material and RTVE programs). However, we do not limit the amount of development data that can be employed to tune the system parameters and hence any kind of data can be used for system tuning provided that these data are fully documented in the system description paper.

Participants must submit an output result file for the development data corresponding to the MAVIR database and a different output result file for the development dataset named *dev2* corresponding to the RTVE database, even if participants employ more development data for system tuning.

For the Spoken Term Detection task, orthographic transcriptions of the selected list of terms along with the occurrences and timestamps for each of these terms will be provided at due time in the evaluation web page.

For the Query-by-example Spoken Term Detection task, audio files with the queries and all the occurrences and timestamps for each query will also be provided at due time in the evaluation web page.

For the MAVIR database, the development list of terms consists of about 375 different terms (some of these are INV terms and the rest are OOV) whose length ranges from 5 to 27 single graphemes for Spoken Term Detection task. A term can be composed by one or more words. About 100 queries (some of these are INV queries and the rest are OOV), with three examples per query, will be extracted from the Spoken Term Detection development list of terms to compose the Query-by-Example Spoken Term Detection development query list. These three examples consist of an example extracted from the MAVIR development speech data, and two other examples recorded by evaluation organizers. These two examples amount to 3 seconds of speech and have been recorded at a sampling frequency of 16Khz in WAV format and mono with the microphone of an HP ProBook Core i5, 7th Gen and with a Sennheiser SC630 USB CTRL microphone with noise cancellation, respectively. The MAVIR development speech data amount to about 1 hour of speech material in total, extracted from 2 audio files. These MAVIR development data can be used as participants find more suitable (i.e., for training, development, etc.).

For the RTVE database, two different datasets will be provided as development data: *dev1* and *dev2*. These datasets can be used as participants find more suitable (i.e., for training, development, etc.). The *dev1* RTVE development speech dataset amounts to more than 50 hours of speech material in total,

extracted from 5 TV shows, for which human-revised word transcriptions will be provided. The dataset named *dev2*, for which participants have to submit their detection results on this dataset for RTVE, amounts to about 15 hours of speech material in total, extracted from 12 audio files, for which human-revised word transcriptions will also be provided. For this *dev2* dataset, the list of terms consists of about 400 different terms (all are INV terms) whose length ranges from 4 to 25 single graphemes for Spoken Term Detection task. A term can be composed by one or more words. About 100 queries (all are INV queries), with three examples per query, will be extracted from the Spoken Term Detection development list of terms to compose the Query-by-Example Spoken Term Detection development query list. These three examples consist of an example extracted from the RTVE *dev2* development speech data, and two other examples recorded by evaluation organizers. These two examples amount to 3 seconds of speech and have been recorded at a sampling frequency of 16Khz in WAV format and mono with the microphone of an HP ProBook Core i5, 7th Gen and with a Sennheiser SC630 USR CTRL microphone with noise cancellation, respectively.

3.3 Test data

Three databases will be employed for system evaluation: MAVIR, RTVE, and SPARL22.

The MAVIR data are built from the MAVIR material explained before. The test speech data amount to about 2 hours in total, extracted from 3 audio files. For the Spoken Term Detection task, only the list of terms used for evaluation will be provided. This list consists of about 200 different terms (some of these are INV terms and the rest are OOV) whose length ranges from 4 to 28 single graphemes. A term can be composed by one or more words. For the Query-by-Example Spoken Term Detection task, about 100 queries (some of these are INV queries and the rest are OOV), with three examples per query, extracted from the Spoken Term Detection test list of terms, will be used for evaluation. These three examples consist of an example extracted from the MAVIR test speech data, and two other examples recorded by evaluation organizers. These two examples amount to 3 seconds of speech and have been recorded at a sampling frequency of 16Khz in WAV format and mono with the microphone of an HP ProBook Core i5, 7th Gen and with a Sennheiser SC630 USR CTRL microphone with noise cancellation, respectively.

The RTVE data consist of the RTVE program material explained before. The test speech data amount to about 50 hours in total, extracted from different TV shows. For the Spoken Term Detection task, only the list of terms used for evaluation will be provided. This list consists of about 250 different terms (all are INV terms) whose length ranges from 4 to 27 single graphemes. A term can be composed by one or more words. For the Query-by-Example Spoken Term Detection task, about 100 queries (all are INV queries), with three examples per query, extracted from the Spoken Term Detection test list of terms, will be used for evaluation. These three examples consist of an example extracted from the RTVE test speech data, and two other examples recorded by evaluation

organizers. These two examples amount to 3 seconds of speech and have been recorded at a sampling frequency of 16Khz in WAV format and mono with the microphone of an HP ProBook Core i5, 7th Gen and with a Sennheiser SC630 USB CTRL microphone with noise cancellation, respectively.

The SPARL22 data consist of a small subset of Spanish parliament sessions explained before. The test speech data amount to about 2 hours in total, extracted from 14 audio files. For the Spoken Term Detection task, only the list of terms used for evaluation will be provided. This list consists of about 280 different terms (some of these are INV terms and the rest are OOV) whose length ranges from 3 to 26 single graphemes. A term can be composed by one or more words. For the Query-by-Example Spoken Term Detection task, about 100 queries (some of these are INV queries and the rest are OOV), with three examples per query, extracted from the Spoken Term Detection test list of terms, will be used for evaluation. These three examples consist of an example extracted from the SPARL22 test speech data, and two other examples recorded by evaluation organizers. These two examples amount to 3 seconds of speech and have been recorded at a sampling frequency of 16Khz in WAV format and mono with the microphone of an HP ProBook Core i5, 7th Gen and with a Sennheiser SC630 USB CTRL microphone with noise cancellation, respectively.

None of these test data are allowed to be used as training or development data in any form.

4 Evaluation of system performance

The Actual Term Weighted Value (ATWV) [1] will be the primary metric for the STD and QbE STD tasks. Participants will be ranked for each database individually from the ATWV obtained on the test data. Therefore, participants are not compelled to submit detection results for all the databases. Maximum Term Weighted Value (MTWV) scores and Detection Error Tradeoff (DET) [1] curves for STD and QbE STD tasks will also be computed.

5 General evaluation conditions

5.1 Data organization

The datasets will be available through a web page (MAVIR and SPARL22 data) and ftp (RTVE data); instructions for downloading will be given to participants at due time for the release of training and development data.

Training data. For the Spoken Term Detection and Query-by-Example Spoken Term Detection tasks, the training data, which correspond to the MAVIR and RTVE databases, will consist of the following elements:

- *MAVIR/audio* - a folder with the MAVIR training audio files.

- *MAVIR/transcription* - a folder with the word transcription (sentence-level timestamps will be provided) of the MAVIR training audio files.
- *RTVE2018/train/audio* - a folder with the RTVE training audio files.
- *RTVE2018/train/srt* - a folder with the subtitles of the RTVE training audio files. These may not contain accurate word transcriptions.
- Check the README file for additional data information.

Development data. For the Spoken Term Detection and Query-by-Example Spoken Term Detection tasks, the development data that correspond to the MAVIR and RTVE databases will consist of the following elements:

- *MAVIR/audio* - a folder with the MAVIR development audio files.
- *MAVIR/occurrences* - a folder with the word transcription and timestamps of all the occurrences of the selected list of terms/queries corresponding to the MAVIR development data.
- *MAVIR/queries* - a folder with the three acoustic examples per query (in folders *query1*, *query2* and *query3*) that serve as development queries for the Query-by-Example Spoken Term Detection task for the MAVIR database. The folder *query1* contains the acoustic example extracted from the MAVIR development speech data. The folder *query2* contains the acoustic example recorded with the microphone of an HP ProBook Core i5, 7th Gen. The folder *query3* contains the acoustic example recorded with a Sennheiser SC630 USB CTRL microphone with noise cancellation.
- *RTVE2018/dev1/audio* - a folder with the RTVE development *dev1* dataset audio files.
- *RTVE2018/dev1/trn* - a folder with the RTVE development *dev1* dataset human-revised word transcriptions.
- *RTVE2018/dev2/audio* - a folder with the RTVE development *dev2* dataset audio files, on which participants have to submit detection results for RTVE development data.
- *RTVE2018/dev2/trn* - a folder with the RTVE development *dev2* dataset human-revised word transcriptions.
- *RTVE2018/dev2/occurrences* - a folder with the word transcription and timestamps of all the occurrences of the selected list of terms/queries corresponding to the RTVE development *dev2* dataset.
- *RTVE2018/dev2/queries* - a folder with the three acoustic examples per query (in folders *query1*, *query2* and *query3*) that serve as development queries for the Query-by-Example Spoken Term Detection task for the RTVE database. The folder *query1* contains the acoustic example extracted from the RTVE *dev2* development speech data. The folder *query2* contains the acoustic example recorded with the microphone of an HP ProBook Core i5, 7th Gen. The folder *query3* contains the acoustic example recorded with a Sennheiser SC630 USB CTRL microphone with noise cancellation.
- *scoring* - a folder with the scoring scripts along with the necessary input files for evaluating the systems for Spoken Term Detection and Query-by-Example Spoken Term Detection tasks. Both tasks will be scored using the NIST STD scoring tool [1].

- *doc* - a folder with relevant evaluation information: example output file, evaluation plan, data organization, README file, etc.

Test data. For the Spoken Term Detection and Query-by-Example Spoken Term Detection tasks, the test data that correspond to MAVIR, SPARL22, and RTVE databases will consist of the following elements:

- *MAVIR/test/audio/SoS* - a folder with the test audio files for the MAVIR database.
- *MAVIR/data* - a folder with the text files that contain the list of test terms/queries for the MAVIR database.
- *RTVE2022/test/audio/SoS* - a folder with the test audio files for the RTVE database.
- *RTVE2022/data* - a folder with the text files that contain the list of test terms/queries for the RTVE database.
- *SPARL22/test/audio/SoS* - a folder with the test audio files for the SPARL22 database.
- *SPARL22/data* - a folder with the text files that contain the list of test terms/queries for the SPARL22 database.
- *MAVIR/queries* - a folder with the three acoustic examples per query (in folders query1, query2 and query3) that serve as test queries for the Query-by-Example Spoken Term Detection task for the MAVIR database. The folder query1 contains the acoustic example extracted from the MAVIR test speech data. The folder query2 contains the acoustic example recorded with the microphone of an HP ProBook Core i5, 7th Gen. The folder query3 contains the acoustic example recorded with a Sennheiser SC630 USB CTRL microphone with noise cancellation.
- *RTVE2022/queries* - a folder with the three acoustic examples per query (in folders query1, query2 and query3) that serve as test queries for the Query-by-Example Spoken Term Detection task for the RTVE database. The folder query1 contains the acoustic example extracted from the RTVE test speech data. The folder query2 contains the acoustic example recorded with the microphone of an HP ProBook Core i5, 7th Gen. The folder query3 contains the acoustic example recorded with a Sennheiser SC630 USB CTRL microphone with noise cancellation.
- *SPARL22/queries* - a folder with the three acoustic examples per query (in folders query1, query2 and query3) that serve as test queries for the Query-by-Example Spoken Term Detection task for the SPARL22 database. The folder query1 contains the acoustic example extracted from the SPARL22 test speech data. The folder query2 contains the acoustic example recorded with the microphone of an HP ProBook Core i5, 7th Gen. The folder query3 contains the acoustic example recorded with a Sennheiser SC630 USB CTRL microphone with noise cancellation.
- *scoring* - a folder with the scoring script, and the necessary input files for evaluating the systems for MAVIR, RTVE, and SPARL22 databases, except

for the ground-truth (.rttm) files, which will be released once the results are officially published.

- *doc* - a folder with relevant evaluation information: example output file, evaluation plan, data organization, README file, etc.

5.2 System output format

Detection results must be sent in a single file according to the ‘stdlist’ XML format specified in the NIST STD 2006 evaluation plan [1] both for the Spoken Term Detection and Query-by-Example Spoken Term Detection tasks. An example of the output format, the necessary input files, and the NIST STD scoring tool will be provided with the training and development data. Please note that for these tasks, timestamps for each detection are relevant, since they are taken into account by the NIST STD scoring tool to evaluate if each term detection is correct or not. Higher scores mean more confidence in the detection appearing in the corresponding speech file between the given timestamps.

5.3 Submissions

Registration rules. Interested groups must register for the evaluation before September 4th, 2022 in the following web page: <http://catedrartve.unizar.es/albayzin2022.html>.

Submission procedure. Recognition results for Spoken Term Detection and/or Query-by-Example Spoken Term Detection tasks, along with the corresponding PDF file describing the system/s, must be submitted by participants. Instructions for output file and system description paper submissions will be announced to the registered participants at due time for the release of evaluation data.

Filenames must be constructed according to the following pattern:

`<Group>_<Task>_<SysID>_<Set>_<Data>.xml`

where *<Group>* is the acronym of the group according to the registration data, *<Task>* is STD or QbESTD for Spoken Term Detection and Query-by-Example Spoken Term Detection tasks respectively, and *<SysID>* is a code that identifies the system as primary (pri) or contrastive (con1, con2, etc). The *<Set>* field must be set to DEV for development data and EVAL for test data, and the *<Data>* field is MAVIR, RTVE, or SPARL22 to identify the corresponding database. As an example, if the group HLPGA builds a primary system for both tasks, one contrastive system for the Spoken Term Detection task, and two contrastive systems for the Query-by-Example Spoken Term Detection task for all the databases, the following files must be submitted:

HLPGA_STD_pri_DEV_MAVIR.xml
 HLPGA_STD_pri_DEV_RTVE.xml
 HLPGA_STD_pri_EVAL_MAVIR.xml

HLPGA_STD_pri_EVAL_SPARL22.xml
 HLPGA_STD_pri_EVAL_RTVE.xml
 HLPGA_STD_con1_DEV_MAVIR.xml
 HLPGA_STD_con1_DEV_RTVE.xml
 HLPGA_STD_con1_EVAL_MAVIR.xml
 HLPGA_STD_con1_EVAL_SPARL22.xml
 HLPGA_STD_con1_EVAL_RTVE.xml
 HLPGA_QbESTD_pri_DEV_MAVIR.xml
 HLPGA_QbESTD_pri_DEV_RTVE.xml
 HLPGA_QbESTD_pri_EVAL_MAVIR.xml
 HLPGA_QbESTD_pri_EVAL_SPARL22.xml
 HLPGA_QbESTD_pri_EVAL_RTVE.xml
 HLPGA_QbESTD_con1_DEV_MAVIR.xml
 HLPGA_QbESTD_con1_DEV_RTVE.xml
 HLPGA_QbESTD_con1_EVAL_MAVIR.xml
 HLPGA_QbESTD_con1_EVAL_SPARL22.xml
 HLPGA_QbESTD_con1_EVAL_RTVE.xml
 HLPGA_QbESTD_con2_DEV_MAVIR.xml
 HLPGA_QbESTD_con2_DEV_RTVE.xml
 HLPGA_QbESTD_con2_EVAL_MAVIR.xml
 HLPGA_QbESTD_con2_EVAL_SPARL22.xml
 HLPGA_QbESTD_con2_EVAL_RTVE.xml

Note that field values (e.g., acronym of the group) should not contain underscores ('-'), so as not to confuse the parsing.

System description. Research groups must provide a PDF file with the description of the submitted systems. If multiple systems are submitted for a particular task, the description must explicitly designate one of them as the primary system, the remaining ones being contrastive systems. The system description paper should give the readers a good sense of what the system is about, keeping in mind the following guidelines:

- Write for your audience. Remember that the reader is not you but other system developers who may not be familiar with your technique/algorithm. Clearly explain your method so they can understand what you did.
- A superficial description would leave other system developers clueless of what you did. Be as complete as possible, but not to the extent of including pseudo-code. Include all the relevant information, in such a way that other groups can build the system on their own.
- Include references to techniques, algorithms, subsystems, etc., used by your systems but not described in detail in the document.
- Avoid jargon and abbreviations without any prior context.

To keep formal homogeneity, it is **mandatory** to edit the system description paper following the IberSpeech 2022 paper submission template. The system de-

scription paper should, at least, include the following sections:

1 Introduction

2 System A (name of the submitted system)

2.1 System description

Clearly describe the methods and algorithms used in system A.

2.2 Train and development data

Describe all the data and/or systems directly or indirectly used in developing system A, including the source, acquisition conditions, size, publishing year and any other pertinent information.

3 System B (name of another submitted system)

This section is similar to section 2 but for another system. If system B is a contrastive system, note the differences from the primary system. A new section should be added for each submitted system.

4 References

List of papers relevant to the techniques, algorithms, data, etc. used by the submitted systems.

5.4 Schedule

- April 22nd, 2022. Registration opens.
- April 22nd, 2022. Release of the training and development data.
- September 4th, 2022. Registration deadline.
- September 5th, 2022. Release of the evaluation data. System submission opens.
- October 16th, 2022 (23:59, GMT +1). System submission deadline.
- October 24th, 2022. Results and ground-truth files are distributed to the participants.
- October 30th, 2022. Paper submission deadline.
- November 15th, 2022. IberSpeech 2022, Granada, Spain: Evaluation results are presented and discussed.

6 Additional information for participants and summary of evaluation rules

- Interested groups must register for the evaluation before September 4th, 2022 in the following web page: <http://catedrartve.unizar.es/albayzin2022.html>.
- Starting from April 22nd, 2022, and once registration data are validated, the training and development data will be released only to registered participants.

- The test data will be released by September 5th, 2022. Recognition results must be submitted to the organizing team by the established deadline: October 16th, 2022 (23:59 GMT+1). The paper submission deadline is October 30th, 2022 (23:59 GMT+1).
- Research groups must provide a description of the submitted systems, according to the guidelines given in Section 5.3. For the sake of formal homogeneity, **it is mandatory** to edit the system description paper following the IberSpeech 2022 paper submission template.
- Registered groups commit themselves to use the provided data only for research purposes, distribution being allowed only with explicit permission of the ALBAYZIN 2022 Search on Speech Evaluation organizing team. Registered participants are allowed to use MAVIR data to develop or evaluate their own systems, provided that they acknowledge that use by means of the following references:
“MAVIR corpus:
<http://www.llf.uam.es/ESP/CorpusMavir.html>,
 and that they cite the Albayzin 2022 Search on Speech system description paper that will be included in the IberSpeech 2022 Proceedings. Regarding the RTVE data, RTVE will allow the use of these data to the participants only for research purposes in case they request them. This request will be valid for three years starting from the date of the public communication of the results of the evaluation. Once this 3-year agreement finishes, participants can make a new request to continue using them. Please, refer to the corresponding license agreement for full information and details. In case a discrepancy between this and the license is found, the license prevails. Authors are also required to cite the Albayzin 2022 Search on Speech system description paper that will be included in the IberSpeech 2022 Proceedings in case of using the RTVE and/or SPARL22 data.
- No manual intervention is allowed for each system developed to generate the final output file and hence, all the developed systems must be fully automatic. Listening to the test data, or any other human interaction with the test data is forbidden before all the results have been submitted.
- Each participating site is highly encouraged to send one or more representatives to the evaluation workshop, to be held in Granada, Spain as part of IberSpeech 2022 (November 2022).
- This plan might be modified due to new restrictions or unplanned needs, to detected errors or inaccuracies. Updated versions of this plan, if any, will be announced through the Search on Speech evaluation website and emailed to the registered participants.

7 Acknowledgements

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