

# ESC Mockup Description, Version 7

## Domain

Domain **refrain.dk** is hosted by a0.dk. To change DNS record go to

<http://kontakt.azero.dk> (DNS ændring)

Username: refraindk

Password: z82fh58f

## Twitter

@refraindk

Pwd: R14F60rain

Email tilknyttet: [refrain@cosound.dk](mailto:refrain@cosound.dk)

Hashtag #refraindk

Make sure that [info@refrain.dk](mailto:info@refrain.dk) is directed to [info@cosound.dk](mailto:info@cosound.dk) and disable all other xx@refrain.dk

## General design issues

- The design is single column width 900px to ensure compatibility across mobile, tablet and computer platforms.
- Basic sizes, fonts, colors, transparency is specified in the CSS of index.html. Live version at <http://cogsys.compute.dtu.dk/refrain>
- OnMouseOver should enable change from pink to darkpink
- OnMouseOver infoboxes, indicated by ?, provided a pink popup layer with info. Can be implemented with jquery.
- All arrows, info ?, expand collapse +/- buttons are implemented in CSS as demonstrated in index.html
- Background cover whole screen size.
- Header bar covers full width and height as specified.
- OnMouseover blue downarrow change to pink. OnClick jump to next section.
- Popop layers should wrap inside screen size minus an overall 10px margin.
- Song formatting: *Song title in italics, Artist, Country, Year*  
If country is not available as for western pop songs, this is omitted.

## First page

Notice a link to the copyright and disclaimer section of the about page.

## Song Match

### 1. SELECT SONGS

MouseOver any of the red arrows enables a pink popup layer where country, year, title or artists can be selected. Enable also typing autocomplete (maybe jquery aka <http://jqueryui.com/autocomplete/#combobox>).

When a specific Country has been selected, the content of the other boxes is changed to All years, All titles, All artists. Further subselection is then possible: Selected a specific year then also determines specific values for title and artist (except 1956 where each country had two winner songs). Selecting either a specific title or artists determines values for the remaining fields.

Same procedure if the user starts selected one of the other fields.

**Infobox text:** Select Eurovision Song Contest songs by clicking arrows. Type to autocomplete. If only the country or year field is selected, all songs for that country/year are selected.

### 2. MATCH WITH

All ESC songs and western pops songs are tick box on as default.

**Infobox text:** Match selected songs with the realm of all Eurovision Song Contest songs and/or the most popular the Western pop songs by ticking the boxes.

### 3. ON MUSIC ASPECTS

**Infobox text:** Ticking the boxes to select different music aspects. *Tempo* is the perceived number of beats per minute. *Rhythm* defines the rhythmic structure. *Mood* defines the overall positive or negative expressed mood of the song. *Melody* defines characteristic melodic elements of the song. *Energy* defines the energy level of the song. *Timbre* defines the characteristic color of the music. Timbre is what makes notes of two instruments with same pitch and loudness sounding different.

### 4. VIEW MATCHES

**Infobox text**

**If one country**

Lists of most and least similar countries with the selected country based on all songs.

Click on + to expand the songs of specific countries.

Click on songs to select and explore a specific match.

#### **If one year**

Lists of most and least similar years with the selected year based on all songs.

Click on + to expand the songs of specific years.

Click on songs to select and explore a specific match.

#### **If one song only**

Lists of most and least similar songs with the selected song. Click on a matched song to select and explore a specific match.

### **4. EXPLORE AND SHARE MATCH**

Share bottom will enable pop-up layer with a possibility to share on Twitter and Facebook (maybe more?).

Unique identifier to share has 5 characters from the sets {A-Z} and {0-9} (35 characters). This provides 52.521.875 unique shares. A link <http://refrain.dk?share=A4D56> will link to a SOIND MATCH pages with all the fields filled.

We should tweet every discovery on @refraindk as well.

The share text is as follows below. The middle parts are shown is the Shared Discoveries list.

#### **If one country**

I discovered that Eurovision Contest songs in 1968 **are similar** to those in 2003 by using refrain.dk @refraindk #refraindk. See details at <http://refrain.dk?share=A4D56>

#### **If one year**

I discovered that Eurovision Contest songs in Denmark **are dissimilar** to those in Armenia by using refrain.dk @refraindk #refraindk. See details at <http://refrain.dk?share=A4D56>

#### **If one song only**

I discovered that the Eurovision Contest song *Like my Hart*, Bruce Dennis, United Kingdom, 1977 **is similar to** *Hot Baby*, The Creamy Boys, 2006 using refrain.dk @refraindk #refraindk. See details at <http://refrain.dk?share=A4D56>

Shared discoveries shows a limited number (10) newest first.

### Overall infobox text

#### If one country

Explore the match between two countries listed. Use the share bottom to share your discovery on social media.

#### If one year

Explore the match between two years listed. Use the share bottom to share your discovery on social media.

#### If one song only

Explore the match between two songs listed. Use the share bottom to share your discovery on social media.

### Listen to match infobox text (only if two specific songs)

Listen to a cross fade between the two matched songs.

### Importance of music aspect infobox text

Relative importance of different music aspects in match. 0% is no importance, 100% is maximum importance. The importance of different aspects sums to 100%.

Go to step 3. ON MUSIC ASPECTS to change which music aspects you want to include.

### Shared discoveries infobox text

Click a specific discovery to see details. Click on down arrow button to see more discoveries. Go to DISCOVERIES to search in all discoveries.

## Mood of Europe

### 1. MOOD MAP

Shows the country average mood at the current time. Updates every minute.

Shared info text (the middle part appear on the discoveries list on DISCOVERIES):

I discovered that the mood of the Eurovision Contest is positive on 21:15, May 6, 2014 by using refrain.dk @refraindk. #refraindk. See details at <http://refrain.dk?share=A4D56>

A link <http://refrain.dk?share=A4D56> will link to a MOOD OF EUROPE pages with the specific fields filled.

#### Infobox text

The current mood of Europe on a negative to positive scale based on Twitter tweets linked to the Eurovision Song Contest. Use arrows to change time.

Click on one or more countries to view MOOD TIMELINES. Check the SELECT ALL COUNTRIES box to select all.

Click the share button to share the mood of Europe.

## 2. MOOD TIMELINES

The vertical time lines are the times of different countries performing their show.

Shared info text (the middle part appear on the discoveries list on DISCOVERIES):

I discovered the Eurovision Contest moods in Poland and Germany on 21:15, May 6, 2014 by using refrain.dk @refraindk. #refraindk. See details at <http://refrain.dk?share=A4D56>

A link <http://refrain.dk?share=A4D56> will link to a MOOD OF EUROPE pages with the specific fields filled.

#### Infobox text

The timeline of mood of Europe in selected countries on a negative to positive scale based on Twitter tweets linked to the Eurovision Song Contest. Use arrows to change time.

Click on + to expand the description of an event occurring at the time indicated.

Click the share button to share the mood time lines.

## 3. TWEETS

Randomly selects 5 from the most positive tweets (value>0.9) and 5 from the least positive tweets (value<-0.9) from the selected countries.

Tweet value is in the range [-1;1].

### Infobox text

Recent tweets from selected countries.

## Discoveries

Shows contributed discoveries (see above). Search field allow a free text search into the provided discoveries. On start shows 20 randomly selected most recent shares from SONG MATCH and SOUND OF EUROPE.

### Infobox text

Search among shared discoveries of Eurovision Song Contest songs. Use e.g. specific song titles, artist names, countries, or years.

## ABOUT

COSOUND (notice links in the text!)

[CoSound](#) is a strategic research project funded by [Danish Strategic Research Council](#), which investigates technological methods and tools for linking audio streams and user interaction data in order to improve interactivity and user experience. The vision is to develop a flexible modular audio data processing platform for new products and services in the commercial sector; the public service sector; and in educational and cultural research. The project prototypes and evaluate solutions in all these areas.

An integral part of the project is a modular CoSound platform for development and test of algorithms and interactive experiments which has been employed in Refrain.

The CoSound partners [DTU Compute](#) and [Geckon ApS](#) has collaborated to create Refrain.

The team consisted of Peter Overgaard and Jesper Fyhr Knudsen, Geckon ApS. Bjørn Sand Jensen, Jens Madsen, Patrick Gadd, Martin Hastrup, Sune Lehmann Jørgensen, and Jan Larsen, DTU Compute.

For further information contact CoSound coordinator Jan Larsen, [janla@dtu.dk](mailto:janla@dtu.dk)

Danish Sound (notice links in the text!)

[Danish Sound Innovation Network](#) functions as hub for businesses, research and knowledge institutions, and professional organizations in order to facilitate and contribute to creating value for the Danish national ecosystem for SOUND. Danish Sound is funded by the [Danish Agency for Science, Technology and Innovation](#)

and has more than 550 individual members from 320+ organizations. One of the focus themes is Digital Media where Denmark has a position of strength and critical mass of activity in both research and businesses.

Danish Sound is an innovation partner of CoSound and assist with dissemination of results.

For further information, contact the secretariat at [sekretariat@danishsound.org](mailto:sekretariat@danishsound.org)

## Copyright and Disclaimer (notice hyperlinks)

By using the service, users accept to the following copyright and disclaimers.

Copyright © 2014 [CoSound](#). Contact Jan Larsen, DTU Compute, [janla@dtu.dk](mailto:janla@dtu.dk)

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