

Workflow de Fotografía Digital con Software Libre en GNU/Linux



Por:

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Fotógrafo Noob - Linuxero de Alma



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Hola, Soy Gabriel

Soy fotógrafo newbie,
speaker porque me encanta y
Linuxero porque nací para ser root#

Consejo: No usen el usuario root, para eso
existe sudo



The background of the slide is a photograph of a deep canyon with steep, layered rock walls. A calm body of water is at the bottom, reflecting the sky. A faint rainbow is visible on the right-hand rock wall. The entire image has a semi-transparent purple overlay.

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¿Qué es un Workflow de Fotografía?

Aquí va un subtítulo bien cool pero no se me ocurrió nada

1.- Sesión Fotográfica



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✕



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2.- Descargar Fotos



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3.- Revisar y Catalogar Fotos



4.- Editar y Retocar



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5.- Publicar



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6.- Respaldar



Fotógrafos y Diseñadores deben usar Mac o Windows

Rompiendo el mito....

El Workflow tradicional con Software Privativo

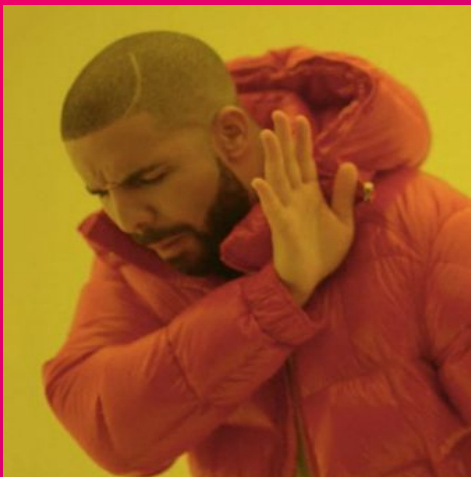




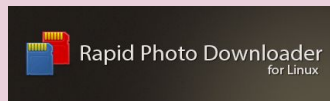
A Máx no le impresiona el
Workflow tradicional con Adobe.

Workflow de Fotografía con Software Libre como el viento....

A lo que nos truje Chenchu



Workflow Tradicional



Workflow FOSS



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**Así si,
prro**



new.**psd**



newfinal.**psd**



newfinalfinal.**psd**



newfinalestfinal.**psd**



newfinalestfinal
forsure.**psd**



newfinalestf kthis
s itfinal.**psd**

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✕

Ordenar Fotos: The Linux Way


```
gabriel@Aria:~/Pictures/Android Backup/DCIM/Camera$ ls -lh | head -n 15
total 1.8G
-rw-r--r-- 1 gabriel gabriel  37M Dec  3  2016 20161203_151455.mp4
-rw-r--r-- 1 gabriel gabriel  1.7M Dec  4  2016 20161204_221042.jpg
-rw-r--r-- 1 gabriel gabriel  4.9M Dec  4  2016 20161204_221049.jpg
-rw-r--r-- 1 gabriel gabriel  4.2M Dec  4  2016 20161204_221051.jpg
-rw-r--r-- 1 gabriel gabriel  3.5M Dec  4  2016 20161204_221054.jpg
-rw-r--r-- 1 gabriel gabriel  3.6M Dec  5  2016 20161205_135646.jpg
-rw-r--r-- 1 gabriel gabriel  3.6M Dec  5  2016 20161205_135647.jpg
-rw-r--r-- 1 gabriel gabriel  2.7M Dec  5  2016 20161205_144010.jpg
-rw-r--r-- 1 gabriel gabriel  3.1M Dec  5  2016 20161205_144129.jpg
-rw-r--r-- 1 gabriel gabriel  3.0M Dec  5  2016 20161205_144144.jpg
-rw-r--r-- 1 gabriel gabriel  3.0M Dec  5  2016 20161205_144205.jpg
-rw-r--r-- 1 gabriel gabriel  3.0M Dec  5  2016 20161205_144233.jpg
-rw-r--r-- 1 gabriel gabriel  3.6M Dec  5  2016 20161205_144313.jpg
-rw-r--r-- 1 gabriel gabriel  2.6M Dec  5  2016 20161205_144358.jpg
gabriel@Aria:~/Pictures/Android Backup/DCIM/Camera$
```

```
gabriel@Aria:~/Pictures/DSLR/20180812_RBBDLG_Nacional_18/01_RAW$ ls -lh | head -n 15
total 22G
-rw-r--r-- 1 gabriel gabriel 22M Aug 12 08:14 20180812_RBBDLG_Nacional_18_0018.cr2
-rw-r--r-- 1 gabriel gabriel 2.3K Aug 13 09:23 20180812_RBBDLG_Nacional_18_0018.cr2.xmp
-rw-r--r-- 1 gabriel gabriel 24M Aug 12 08:14 20180812_RBBDLG_Nacional_18_0019.cr2
-rw-r--r-- 1 gabriel gabriel 1.3K Aug 12 21:58 20180812_RBBDLG_Nacional_18_0019.cr2.xmp
-rw-r--r-- 1 gabriel gabriel 22M Aug 12 09:10 20180812_RBBDLG_Nacional_18_0033.cr2
-rw-r--r-- 1 gabriel gabriel 1.3K Aug 12 21:58 20180812_RBBDLG_Nacional_18_0033.cr2.xmp
-rw-r--r-- 1 gabriel gabriel 22M Aug 12 09:10 20180812_RBBDLG_Nacional_18_0034.cr2
-rw-r--r-- 1 gabriel gabriel 1.3K Aug 12 21:58 20180812_RBBDLG_Nacional_18_0034.cr2.xmp
-rw-r--r-- 1 gabriel gabriel 23M Aug 12 09:10 20180812_RBBDLG_Nacional_18_0035.cr2
-rw-r--r-- 1 gabriel gabriel 1.3K Aug 12 21:58 20180812_RBBDLG_Nacional_18_0035.cr2.xmp
-rw-r--r-- 1 gabriel gabriel 23M Aug 12 09:10 20180812_RBBDLG_Nacional_18_0036.cr2
-rw-r--r-- 1 gabriel gabriel 1.3K Aug 12 21:58 20180812_RBBDLG_Nacional_18_0036.cr2.xmp
-rw-r--r-- 1 gabriel gabriel 23M Aug 12 09:10 20180812_RBBDLG_Nacional_18_0037.cr2
-rw-r--r-- 1 gabriel gabriel 1.3K Aug 12 21:58 20180812_RBBDLG_Nacional_18_0037.cr2.xmp
gabriel@Aria:~/Pictures/DSLR/20180812_RBBDLG_Nacional_18/01_RAW$ █
```



Rapid Photo Downloader for Linux

[home](#)[features](#)[help](#)[download](#)[contact](#)

Improve your photographic workflow

Import your photos and videos efficiently and reliably

Rapid Photo Downloader for Linux is written by a photographer for professional and amateur photographers. Its goal is to be the best photo and video downloader for the Linux Desktop. It is free software, released under the GNU GPL license.

[▶ read more](#)

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STOP! Demo Time!

Can't touch this!



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`#!/usr/bin/env bash`

```
create_skel () {  
    mkdir $PHOTOS_DIR/$1/02_JPEG  
    mkdir $PHOTOS_DIR/$1/03_GIMP  
    mkdir $PHOTOS_DIR/$1/05_DONE  
    mkdir $PHOTOS_DIR/$1/05_Gallery  
    mkdir $PHOTOS_DIR/$1/09_Thumbnails  
}
```


Name	Size	Modified
> 01_RAW	350 items	11/1/18 3:28 PM
02_JPEG	0 items	11/2/18 7:40 PM
03_GIMP	0 items	11/1/18 2:34 PM
05_DONE	0 items	11/1/18 2:34 PM
05_Gallery	0 items	11/1/18 2:34 PM
09_Thumbnails	0 items	11/1/18 2:34 PM

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RAW vs JPEG



darktable

darktable is an open source photography workflow application and raw developer. A virtual lighttable and darkroom for photographers. It manages your digital negatives in a database, lets you view them through a zoomable lighttable and enables you to develop raw images and enhance them.

Have a look at our current [features](#) and how to [install](#) it on your system.

STOP! Demo Time!

Can't touch this!



GET STARTED☐ **WORK IN RAW****GET THE IMAGE READY****CROP THE IMAGE**

Use cropping to establish composition

**NOISE REDUCTION**

Check for **Chromatic Noise** and **Luminance Noise**

**WORK THE DETAILS****GLOBAL EXPOSURE ADJUSTMENT**

Use the individual adjustments of: Highlights, Shadows, Whites, and Blacks

**CLIPPING – BLACK POINT**

Set your Black Point so that just a tiny bit of the Clipping Indicator shows up in a non-important location of the image

**CLIPPING – WHITE POINT**

Set your White Point so that just a tiny bit of the Clipping Indicator shows up in a non-important location of the image

**GET THE COLOR RIGHT****COLOR TEMPERATURE & COLOR TINT**

Use the White Balance Tool to set Color Temperature & Tint, or use a visual check if doing special color effects

**CLARITY ADJUSTMENT**

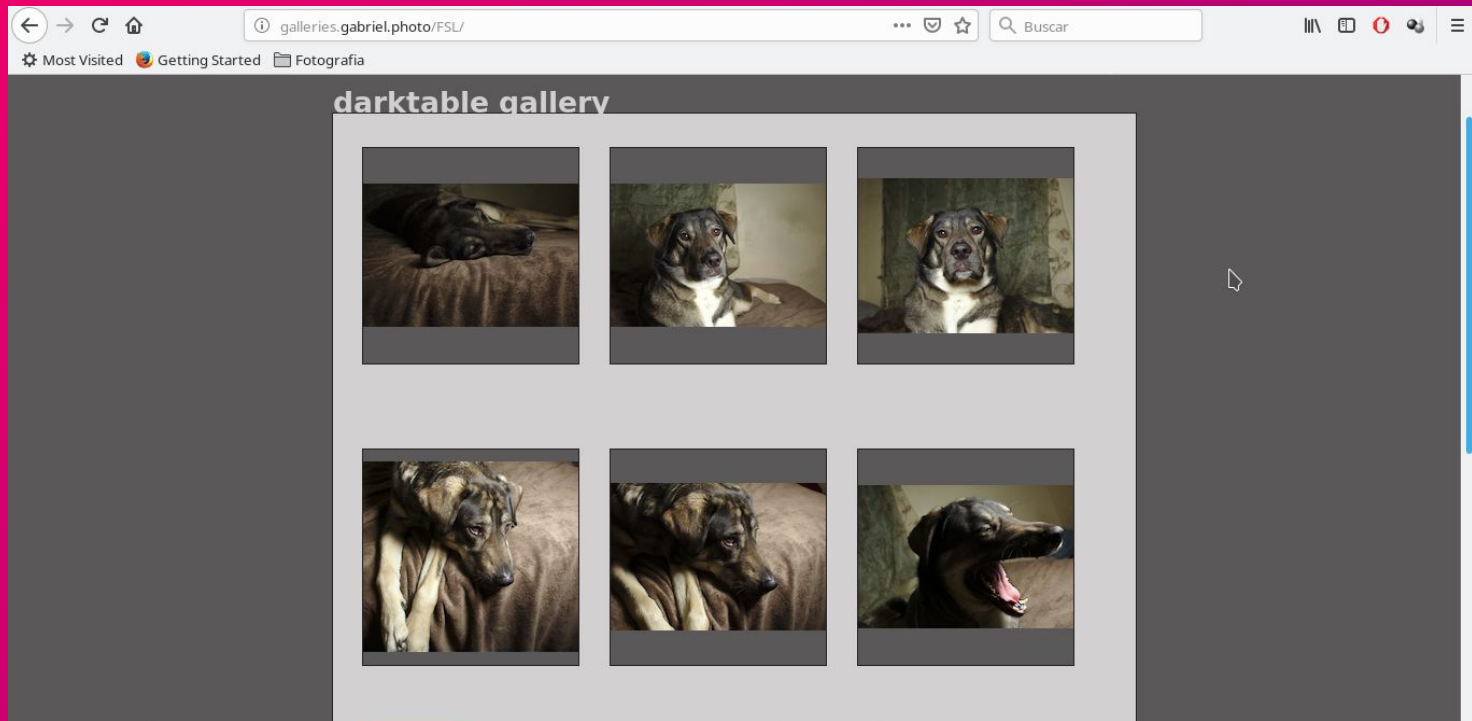
Use Clarity to improve the “effective sharpness” of the image, and watch the Histogram so that you don’t go too far

**SATURATION ADJUSTMENT**

All digital images can be improved with slight saturation adjustments- resist the temptation to go too far

```
send_to_gallery () {  
  |  rsync -r $PHOTOS_DIR/$1/05_Gallery/* c4tech@gabriel.photo:/var/www/galleries.gabriel.photo/$1  
  }  
  |
```


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Retocando Fotos



GIMP

GNU IMAGE
MANIPULATION PROGRAM

 [DOWNLOAD 2.10.6](#)

[RELEASE NOTES](#)

The Free & Open Source Image Editor

This is the official website of the GNU Image Manipulation Program (GIMP).

GIMP is a cross-platform image editor available for GNU/Linux, OS X, Windows and more operating systems. It is [free software](#), you can [change its source code](#) and [distribute your changes](#).

Whether you are a graphic designer, photographer, illustrator, or scientist, GIMP provides you with sophisticated tools to get your job done. You can further enhance your productivity with GIMP thanks to many customization options and 3rd party plugins.

Recent News

[GIMP receives a \\$100K donation](#)
[2018-08-30](#)

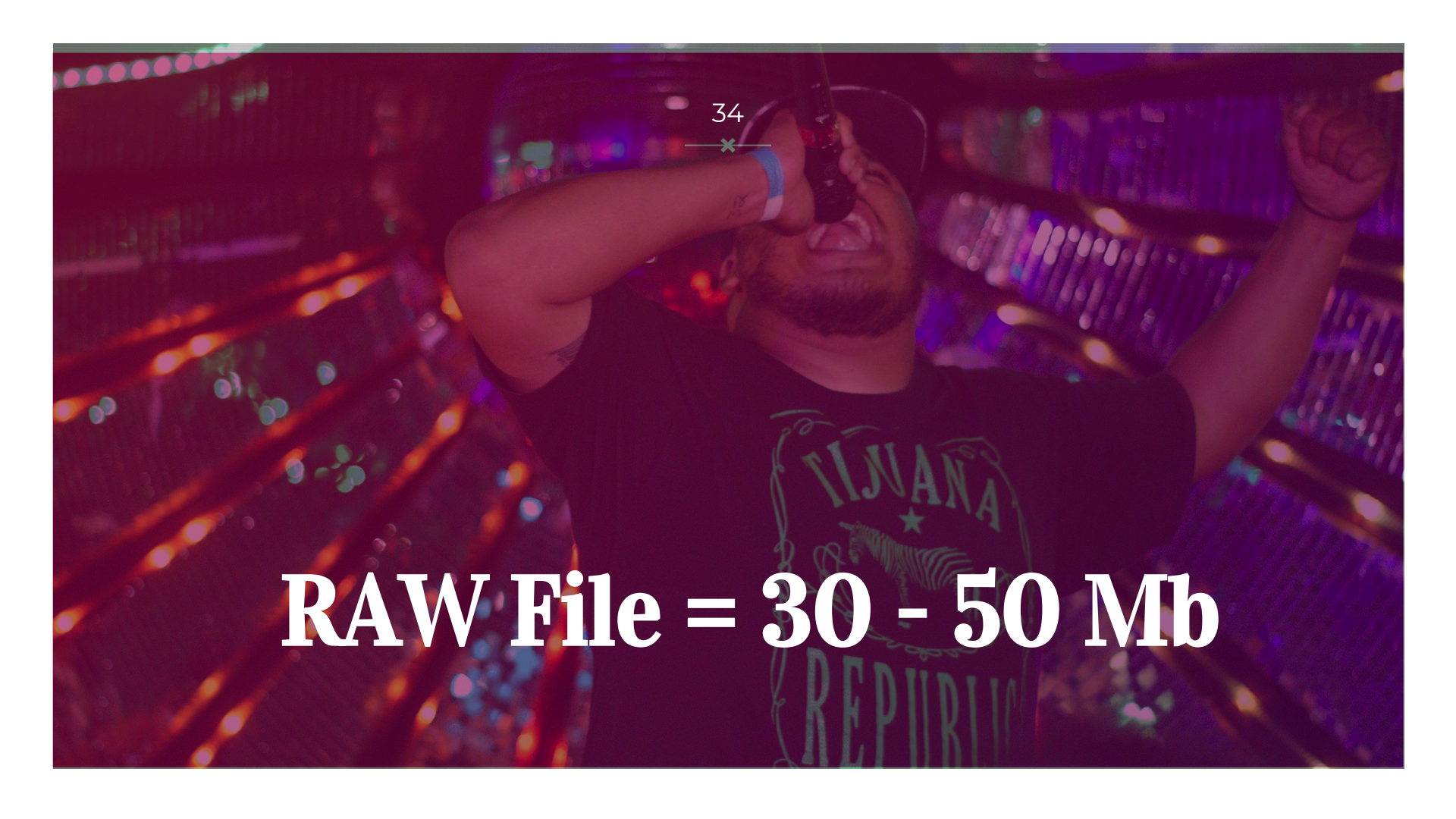
[GIMP 2.10.6 Released](#)
[2018-08-19](#)

[GIMP 2.10.4 Released](#)
[2018-07-04](#)

[GIMP has moved to Gitlab](#)
[2018-05-31](#)

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Backup & Storage

A man with a beard and sunglasses is singing into a microphone at a night concert. He is wearing a black t-shirt with a graphic that says "PUERTO RICO REPUBLIC". The background is filled with colorful stage lights and a crowd of people. A small green 'x' mark is visible on the man's forehead.

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RAW File = 30 - 50 Mb



\$0.023 USD/GB



\$0.004 USD/GB

THUMBNAILS

```
create_thumbnails () {  
  for file in $PHOTOS_DIR/$1/01_RAW/*  
  do  
    FILENAME=$(basename "$file")  
    EXTENSION="${FILENAME##*.}"  
    FILENAME="${FILENAME%.*}"  
  
    if [ "$EXTENSION" == "CR2" ]  
    then  
      darktable-cli $PHOTOS_DIR/$1/01_RAW/$FILENAME.CR2 $PHOTOS_DIR/$1/09_Thumbnails/$FILENAME.jpg  
    fi  
  done  
}
```

NEGATIVES

```
create_negative () {  
    convert -append $PHOTOS_DIR/$1/09_Thumbnails/*.jpg $PHOTOS_DIR/$1/09_Thumbnails/Thumbnails-Negative.jpg  
}
```

COMPRESS

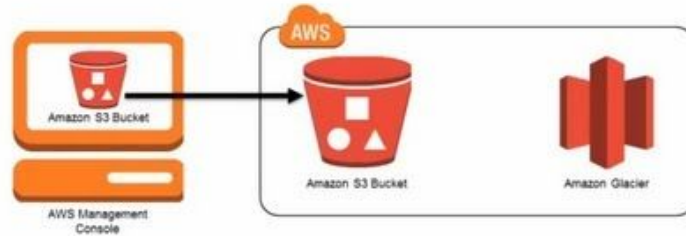
```
compress_filmroll () {  
    7z a -p$2 -mx=9 -mhe -t7z $PHOTOS_DIR/$1/09_Thumbnails/Thumbnails-Negative.7z $PHOTOS_DIR/$1/09_Thumbnai  
    tar cf - $PHOTOS_DIR/$1/01_RAW | 7z a -si -p$2 -mx=9 -mhe -t7z $PHOTOS_DIR/$1/$1.tar.7z  
}  
|
```


STORAGE

```
send_to_s3 () {  
    sudo aws s3 sync $PHOTOS_DIR/$1/01_RAW s3://raw.gabriel.photo/$1  
    sudo aws s3 sync $PHOTOS_DIR/$1/09_Thumbnails s3://thumbs.gabriel.photo/$1  
}  
  
send_to_s3_paranoic () {  
    sudo aws s3 cp $PHOTOS_DIR/$1/$1.tar.7z s3://raw.gabriel.photo/$1/$1.tar.7z  
    sudo aws s3 sync $PHOTOS_DIR/$1/09_Thumbnails/Thumbnails-Negative.7z s3://thumbs.gabriel.photo/$1/Thumb  
}
```

STORAGE

Archiving Objects to Amazon Glacier





TODO

- Archivar en medios extraíbles
- Subir JPGs a Google Photos
- Depurar Archivos RAW
- Proteger Galerías con user & pass
- Numerar fotos de galería



A pregnant woman with long dark hair is shown in profile, leaning against the thick trunk of a tree. She is wearing a light-colored, long-sleeved top and is gently holding her belly. The background is a blurred outdoor scene featuring a body of water, a playground with slides, and some distant structures under a soft, hazy sky. The entire image has a muted, monochromatic purple tint.

¿Preguntas?



¡Gracias!

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