

# Guía rápida de Git en modo gráfico

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Universidad de Sevilla

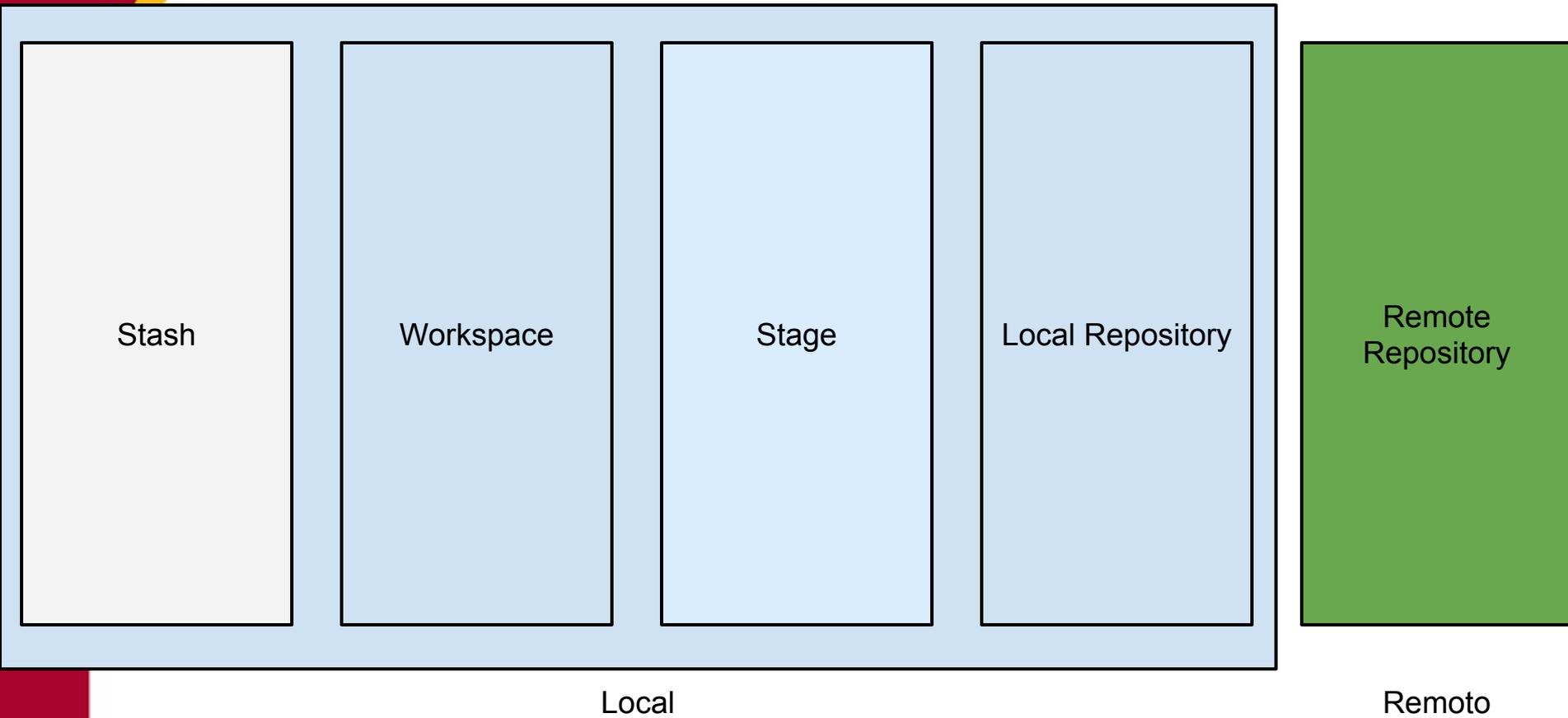
# Contenido

- Áreas de git
- Clonar el repositorio
- Configurar git
- Añadir ficheros al stage
- Creando commits
- Push
- Pull = Fetch from origin + Merge local
- Resolución de conflictos
- Revertir errores usando checkout

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## Áreas



## Descripción

Espacio para esconder cambios temporalmente

Stash

Carpeta normal en nuestro ordenador

Workspace

Caché de los cambios que se añadirán al repo local

Stage

Repositorio local en nuestra máquina

Local Repository

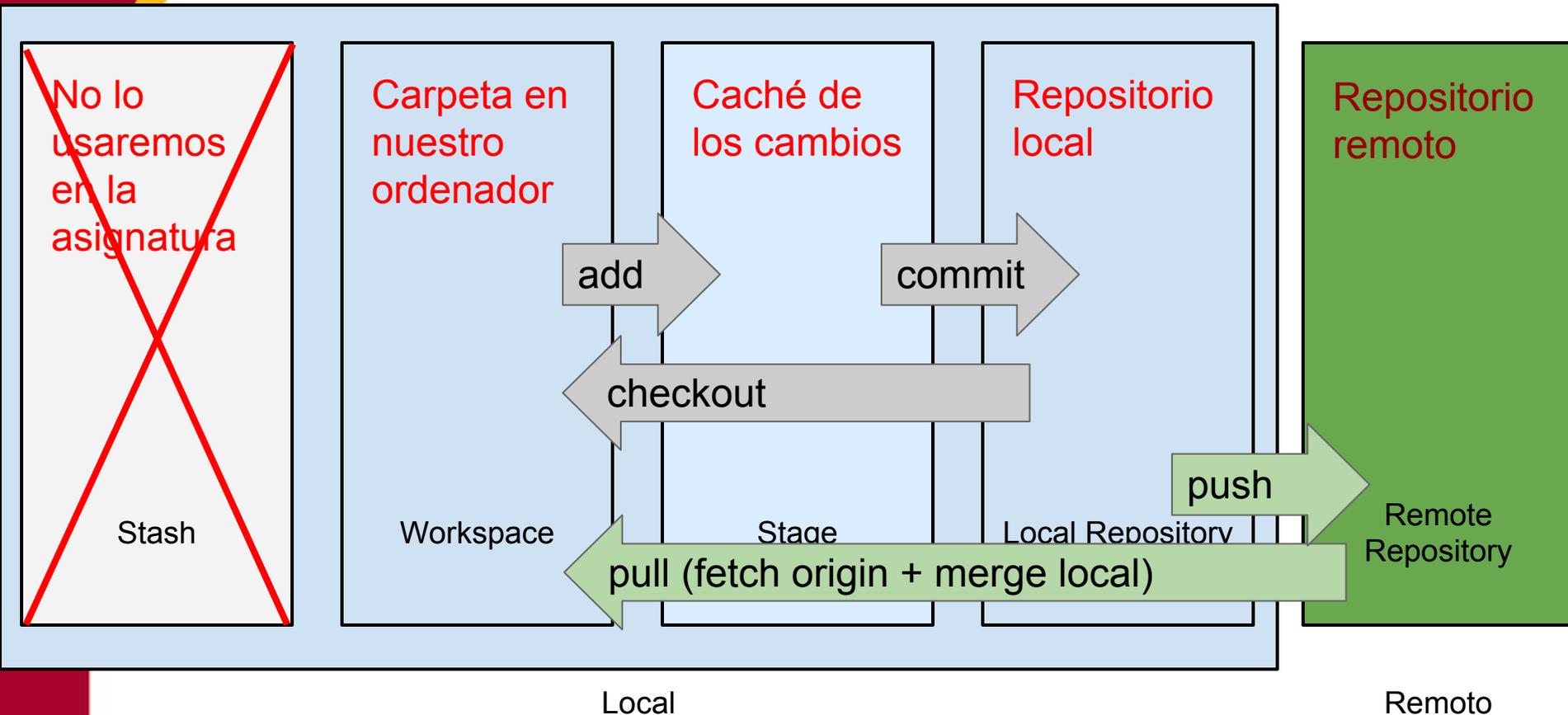
Repositorio externo, accesible por todos los miembros del grupo

Remote Repository

Local

Remoto

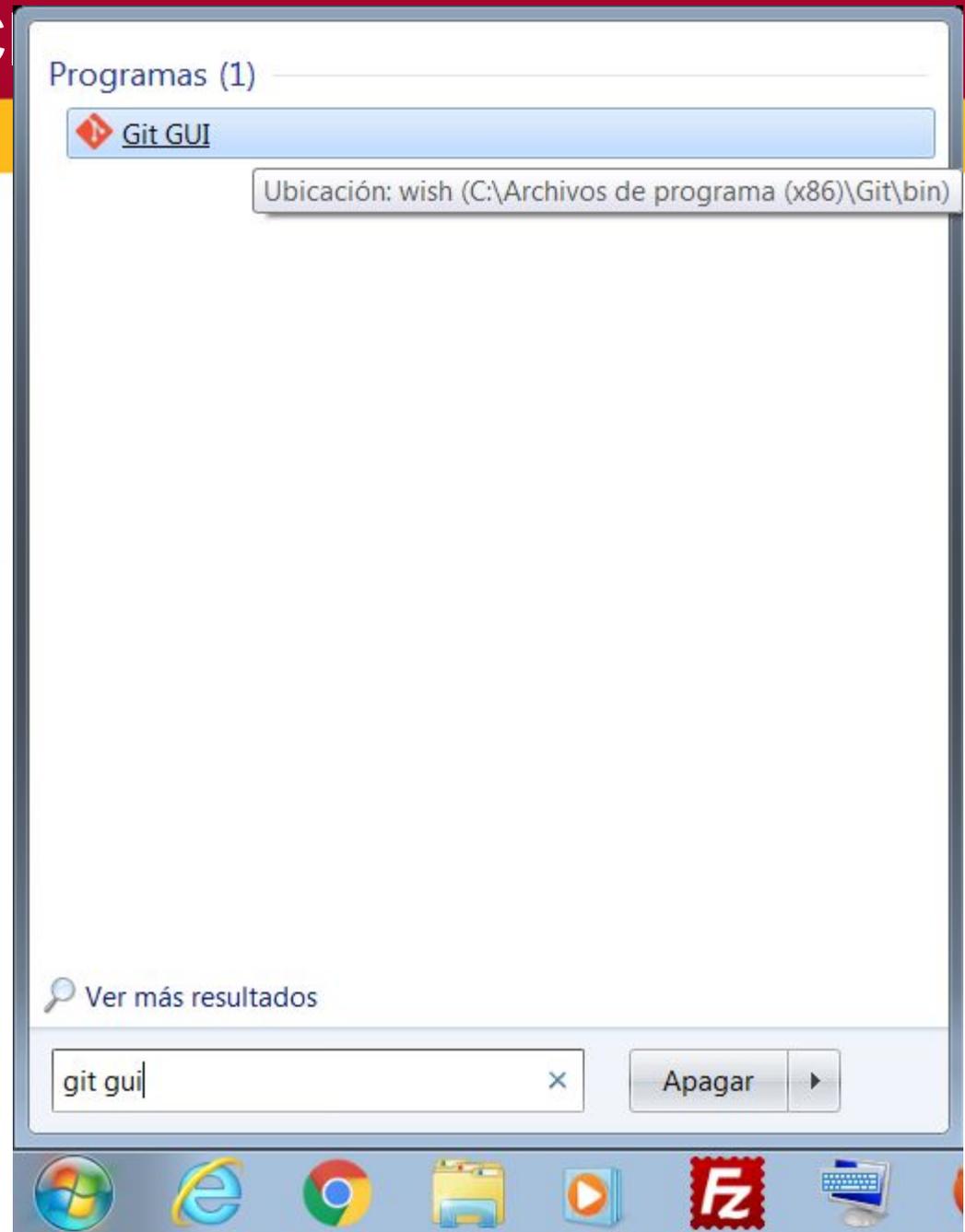
## Comandos



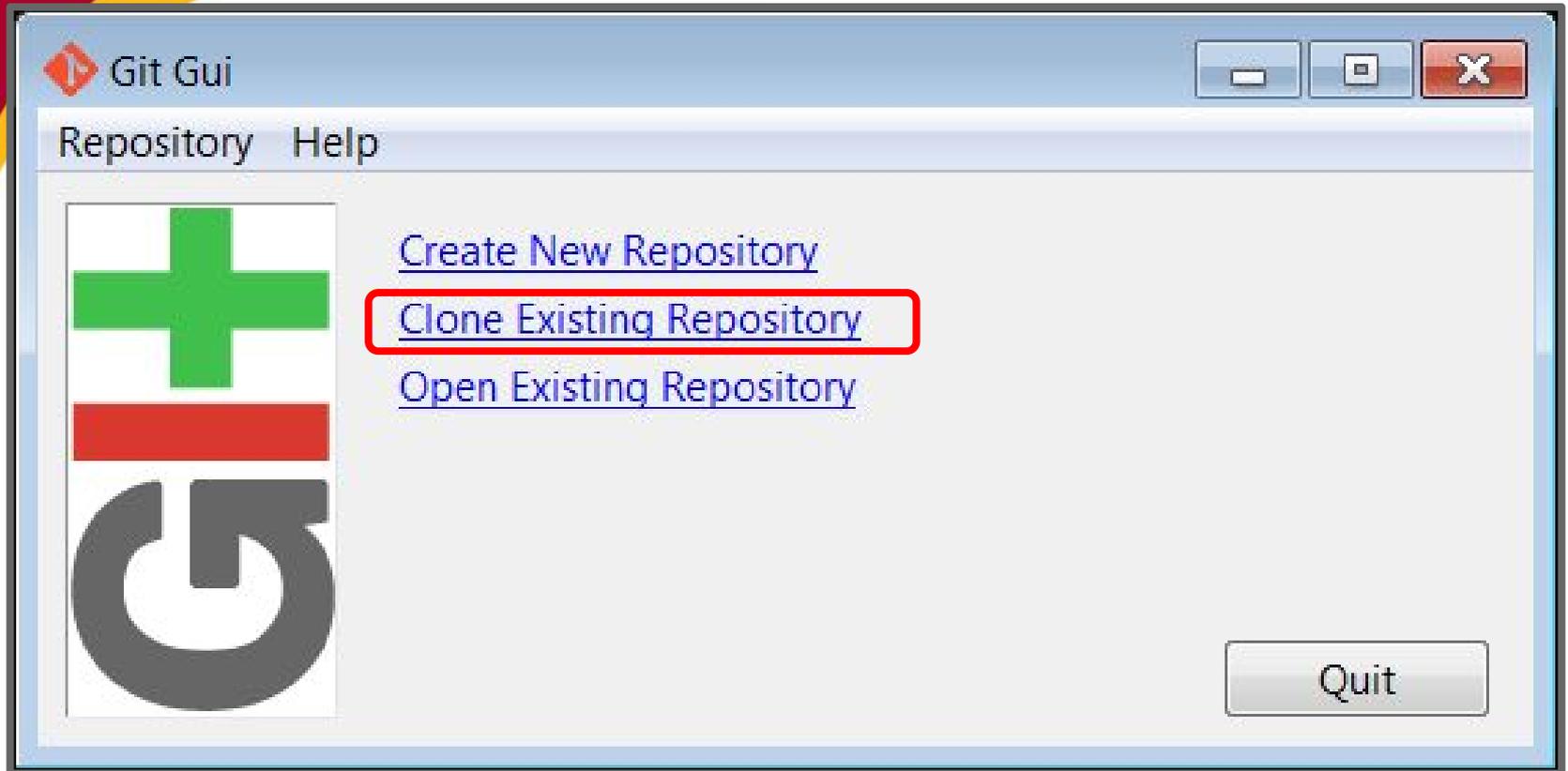
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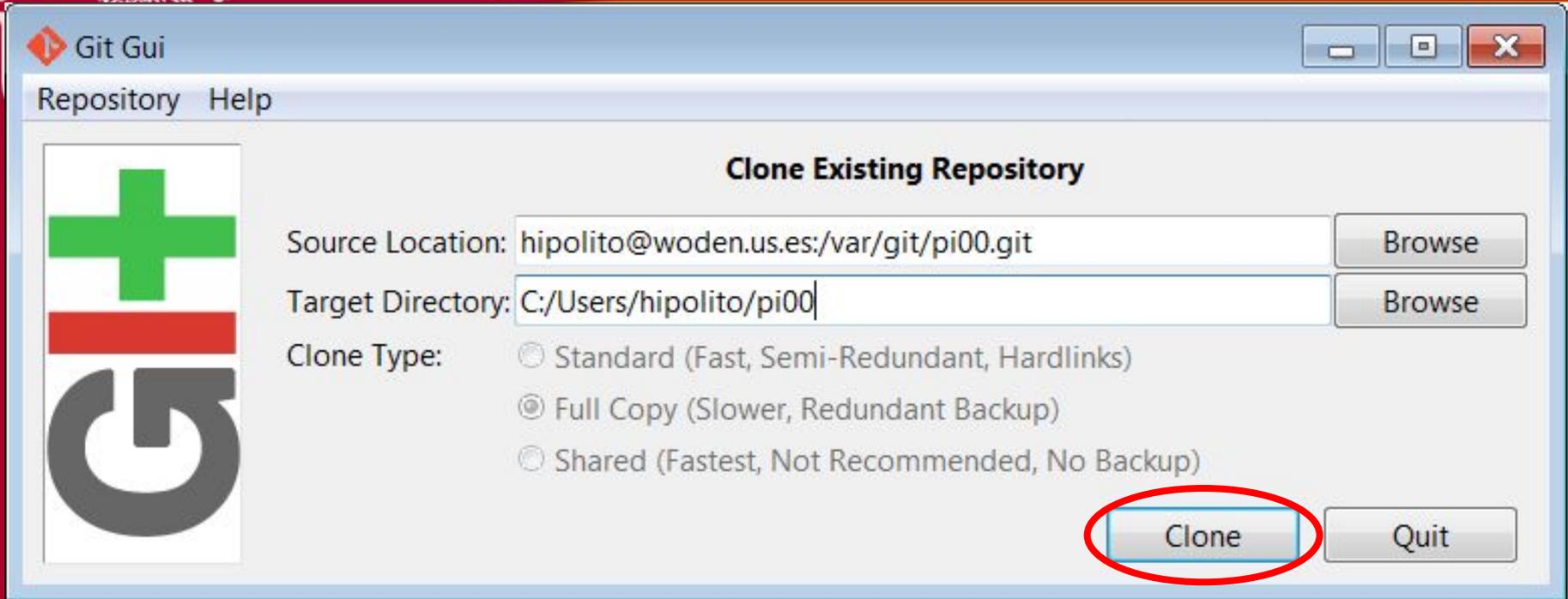
# Abrimos Git GUI



# Clonar el repo



# Clonar el repo

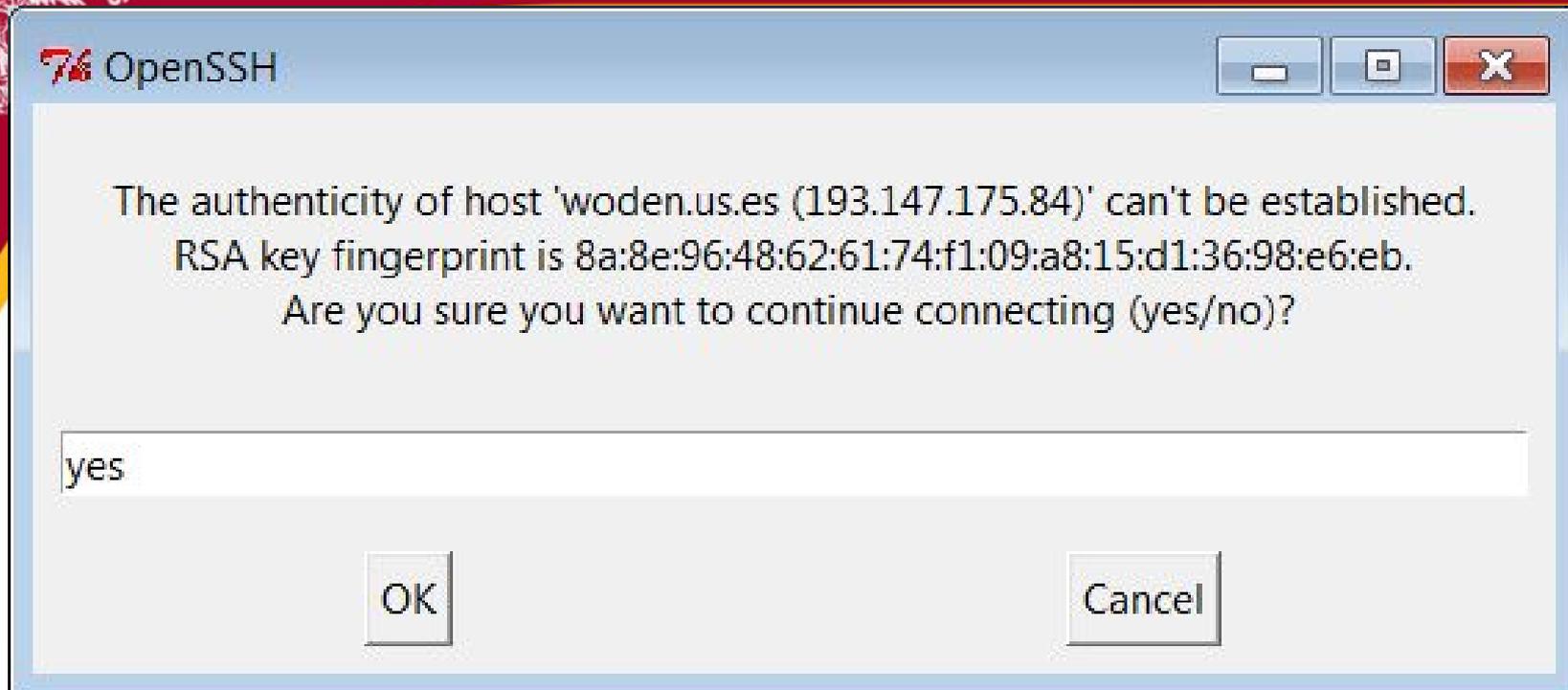


- Source es `usuario@servidor:ruta_al_repo`
- Cambia `hipolito` por tu usuario y `pi00.git` por el repositorio de tu grupo
- El target directory será creado al clonar el repositorio

# Clonar el repo

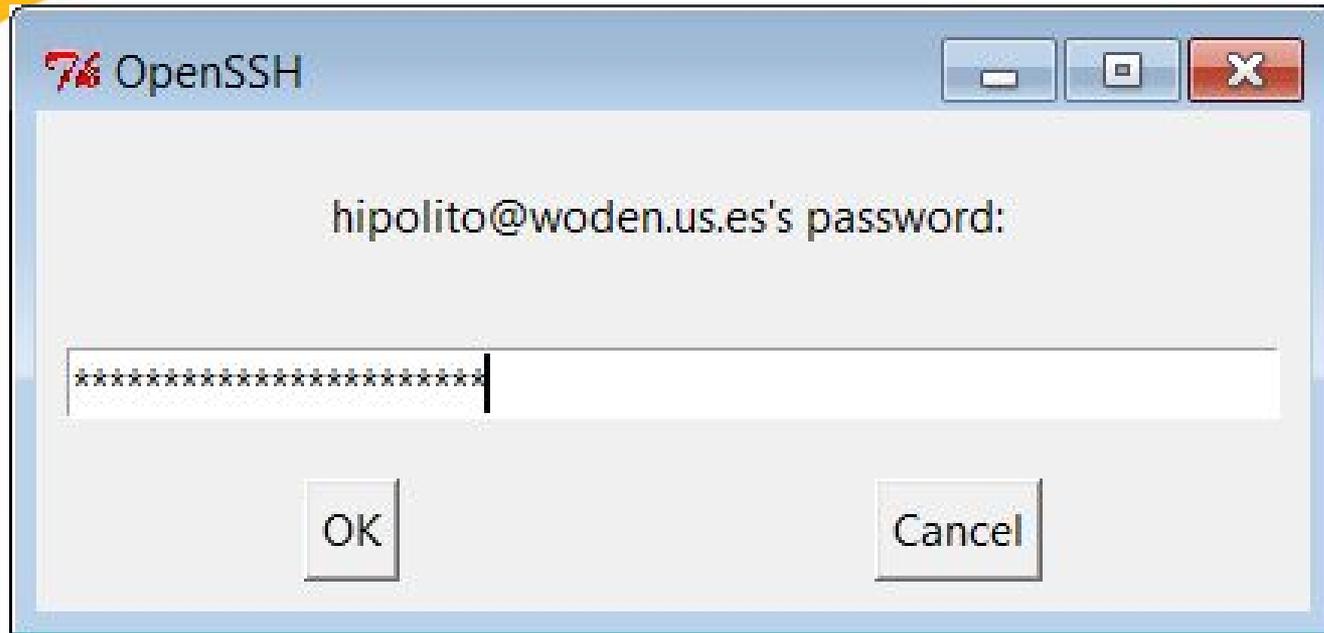


# Clonar el repo

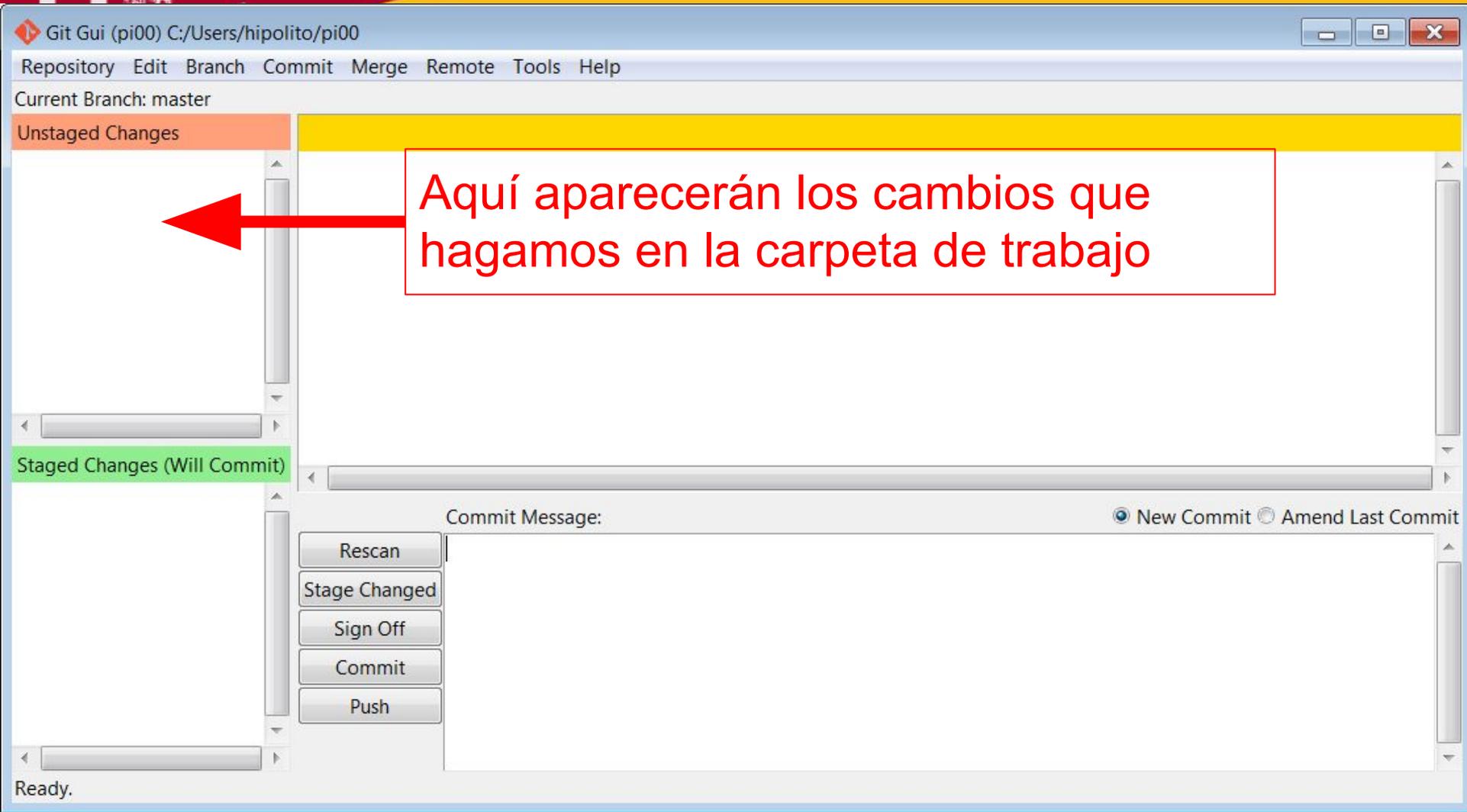


Este mensaje sólo lo veremos la primera vez que conectemos con un servidor (en nuestro caso, el servidor es woden.us.es)

# Clonar el repo

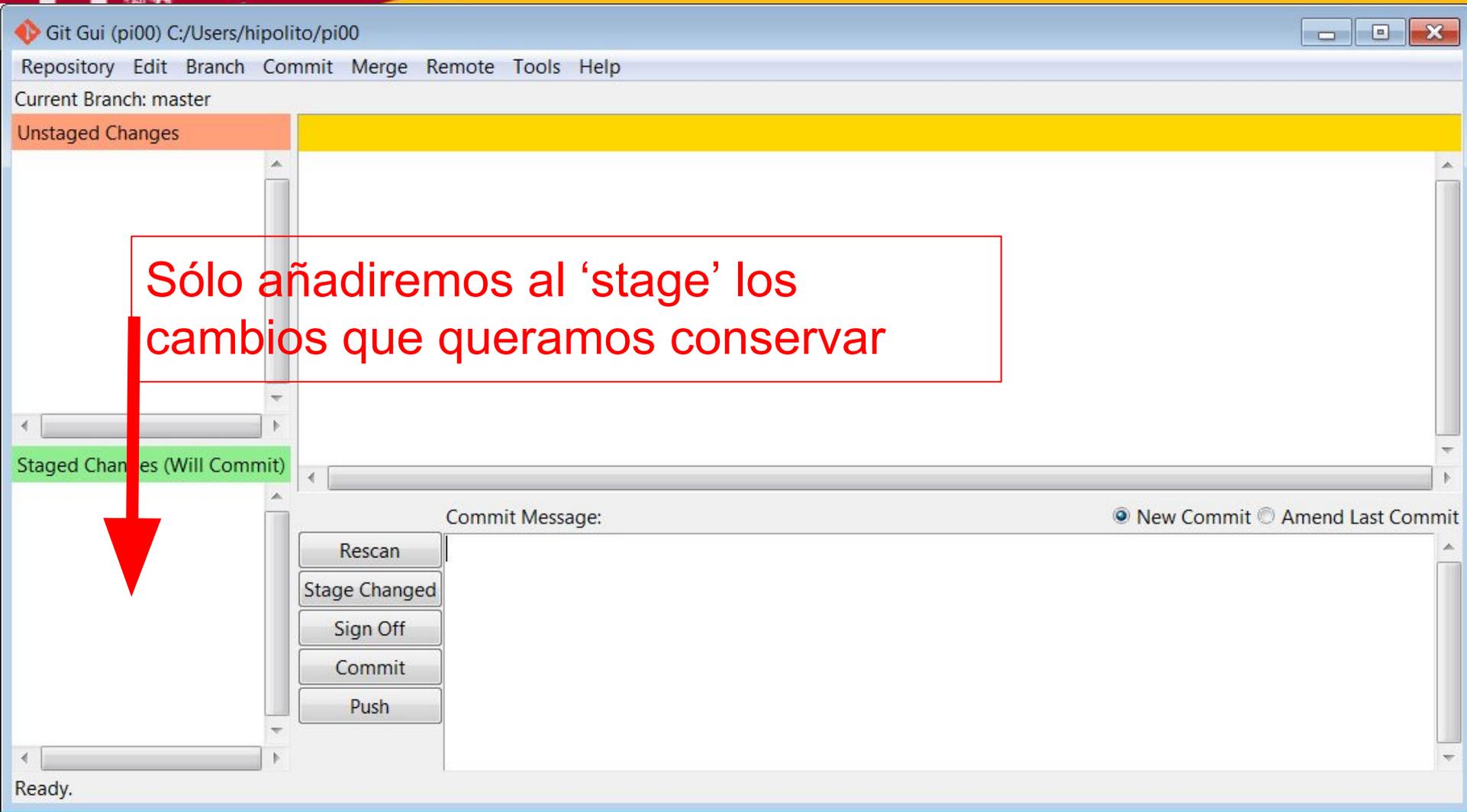


Siempre que hagamos una operación con el repositorio remoto nos pedirá el password



The screenshot shows the Git GUI application window. The title bar reads "Git Gui (pi00) C:/Users/hipolito/pi00". The menu bar includes "Repository", "Edit", "Branch", "Commit", "Merge", "Remote", "Tools", and "Help". Below the menu bar, it says "Current Branch: master". The main area is divided into two sections: "Unstaged Changes" (highlighted in orange) and "Staged Changes (Will Commit)" (highlighted in green). A red arrow points from a text box to the "Unstaged Changes" section. The "Commit Message:" field is visible, with radio buttons for "New Commit" (selected) and "Amend Last Commit". A vertical toolbar on the left contains buttons for "Rescan", "Stage Changed", "Sign Off", "Commit", and "Push". The status bar at the bottom left says "Ready."

Aquí aparecerán los cambios que hagamos en la carpeta de trabajo



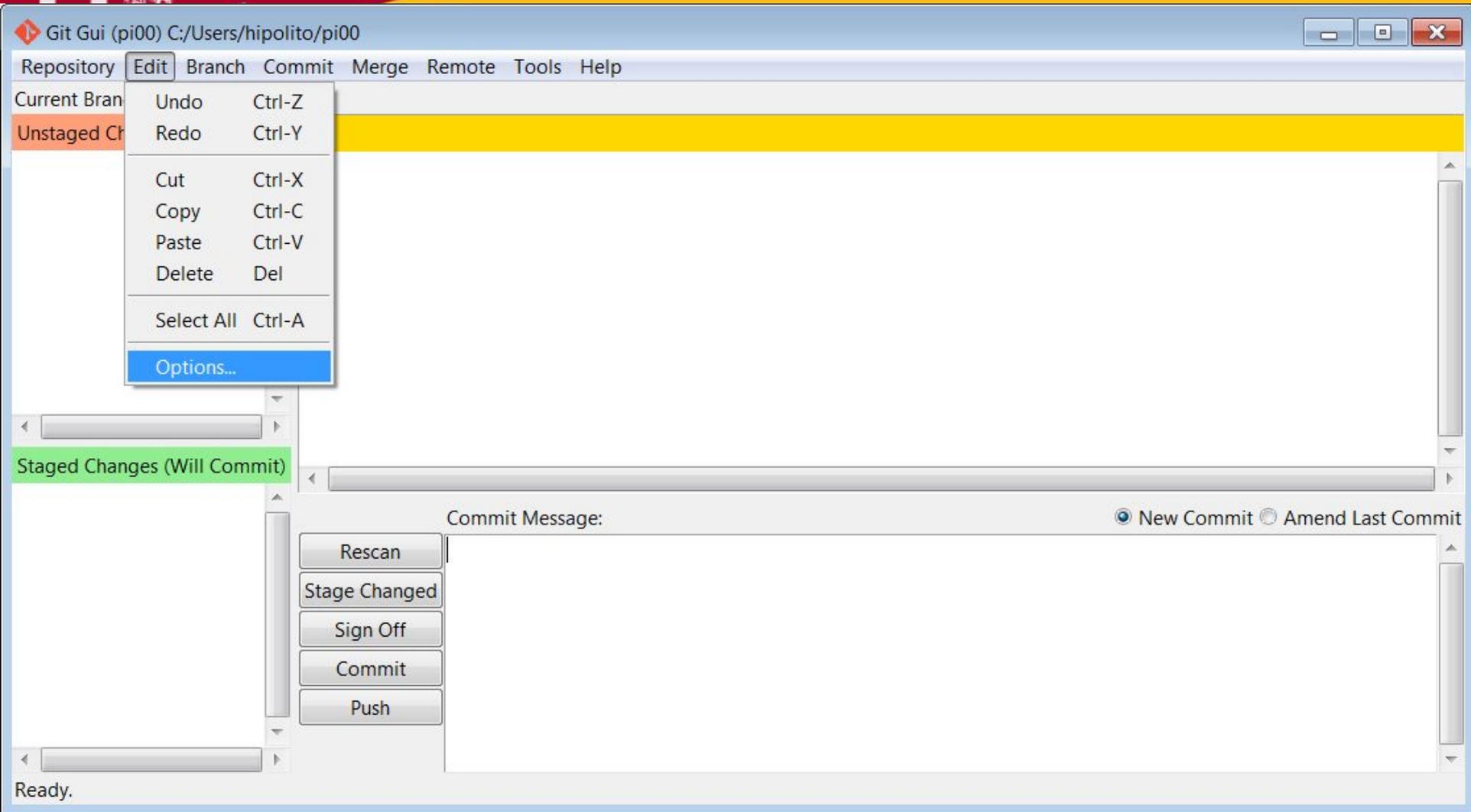
The screenshot shows the Git GUI application window. The title bar reads "Git Gui (pi00) C:/Users/hipolito/pi00". The menu bar includes "Repository", "Edit", "Branch", "Commit", "Merge", "Remote", "Tools", and "Help". The status bar at the top indicates "Current Branch: master". The main interface is divided into three horizontal sections: "Unstaged Changes" (highlighted in orange), "Staged Changes (Will Commit)" (highlighted in green), and "Commit Message:" (with radio buttons for "New Commit" and "Amend Last Commit"). On the left side, there is a vertical toolbar with buttons for "Rescan", "Stage Changed", "Sign Off", "Commit", and "Push". A red text box with a red border is overlaid on the "Unstaged Changes" section, containing the text "Sólo añadiremos al 'stage' los cambios que queremos conservar". A red arrow points from this text box down to the "Staged Changes" section.

Sólo añadiremos al 'stage' los cambios que queremos conservar

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# Configuramos git



pi00 Repository

User Name: Hipolito Guzman

Email Address: hipolito@gie.esi.us.es

Summarize Merge Commits

Merge Verbosity: 2

Show Diffstat After Merge

Use Merge Tool:

Trust File Modification Timestamps

Prune Tracking Branches During Fetch

Match Tracking Branches

Use Textconv For Diffs and Blames

Blame Copy Only On Changed Files

Maximum Length of Recent Repositories List: 10

Minimum Letters To Blame Copy On: 40

Blame History Context Radius (days): 7

Number of Diff Context Lines: 5

Additional Diff Parameters:

Commit Message Text Width: 75

New Branch Name Template:

Default File Contents Encoding: cp1252 Change

Warn before committing to a detached head

Staging of untracked files: ask

Show untracked files

Spelling Dictionary:

Restore Defaults

Global (All Repositories)

User Name: Hipolito Guzman

Email Address: hipolito@gie.esi.us.es

Summarize Merge Commits

Merge Verbosity: 2

Show Diffstat After Merge

Use Merge Tool:

Trust File Modification Timestamps

Prune Tracking Branches During Fetch

Match Tracking Branches

Use Textconv For Diffs and Blames

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Maximum Length of Recent Repositories List: 10

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Blame History Context Radius (days): 7

Number of Diff Context Lines: 5

Additional Diff Parameters:

Commit Message Text Width: 75

New Branch Name Template:

Default File Contents Encoding: cp1252 Change

Warn before committing to a detached head

Staging of untracked files: ask

Show untracked files

Spelling Dictionary:

Main Font: Segoe UI 9 pt. Change Font

Diff/Console Font: Courier New 10 pt. Change Font

Cancel

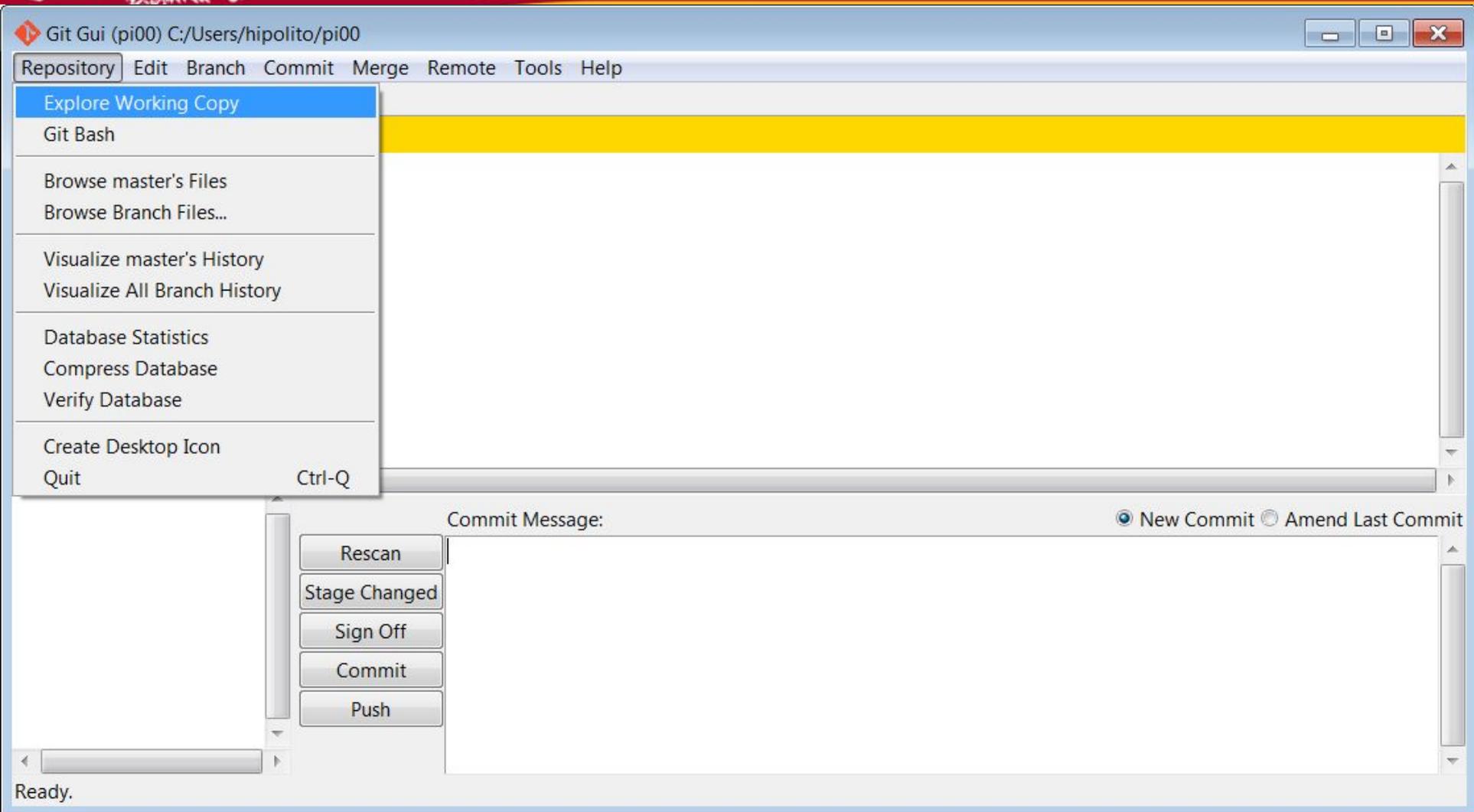
Save

Poned vuestro nombre y vuestro email

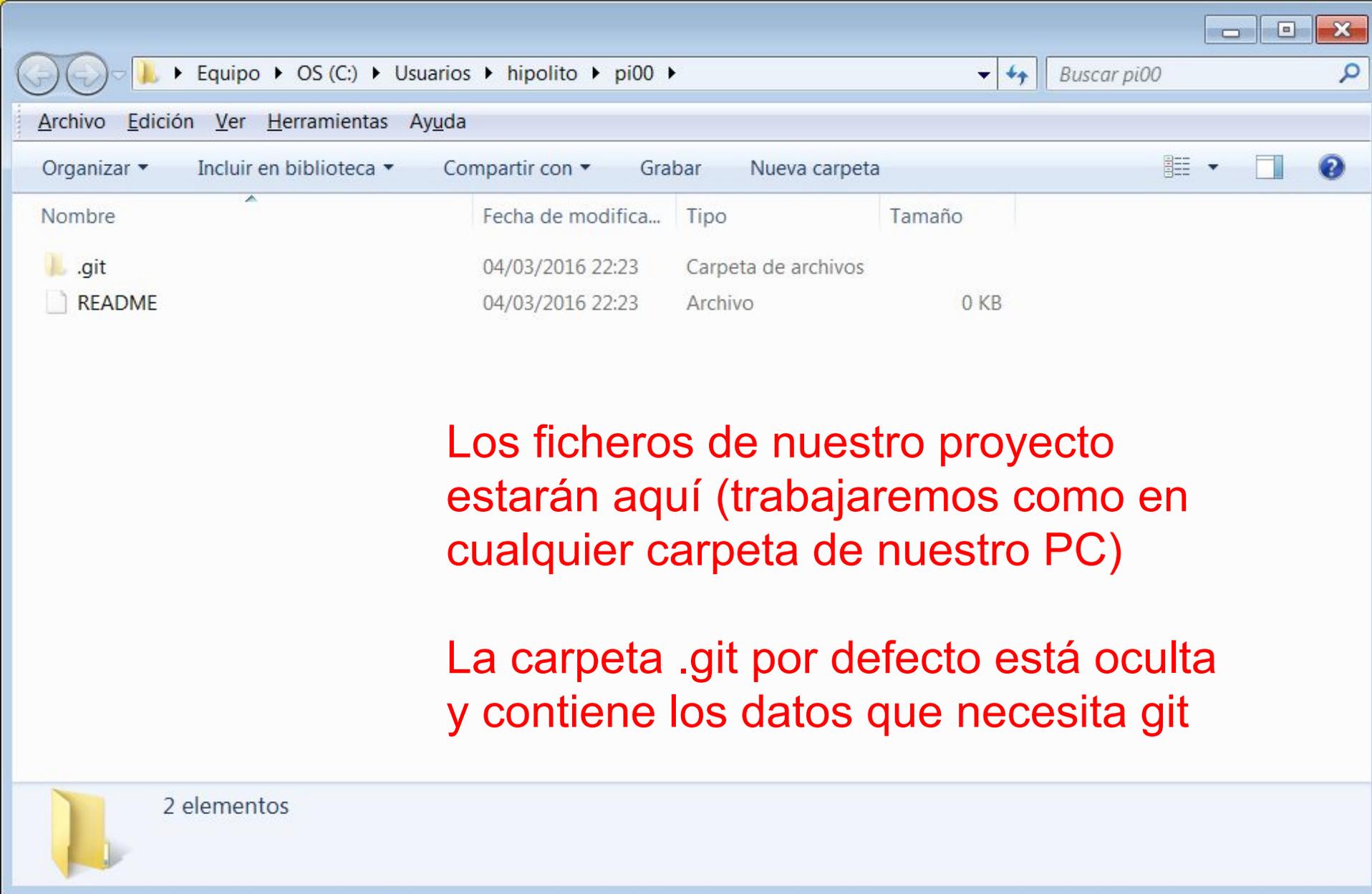
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# Añadir ficheros al stage



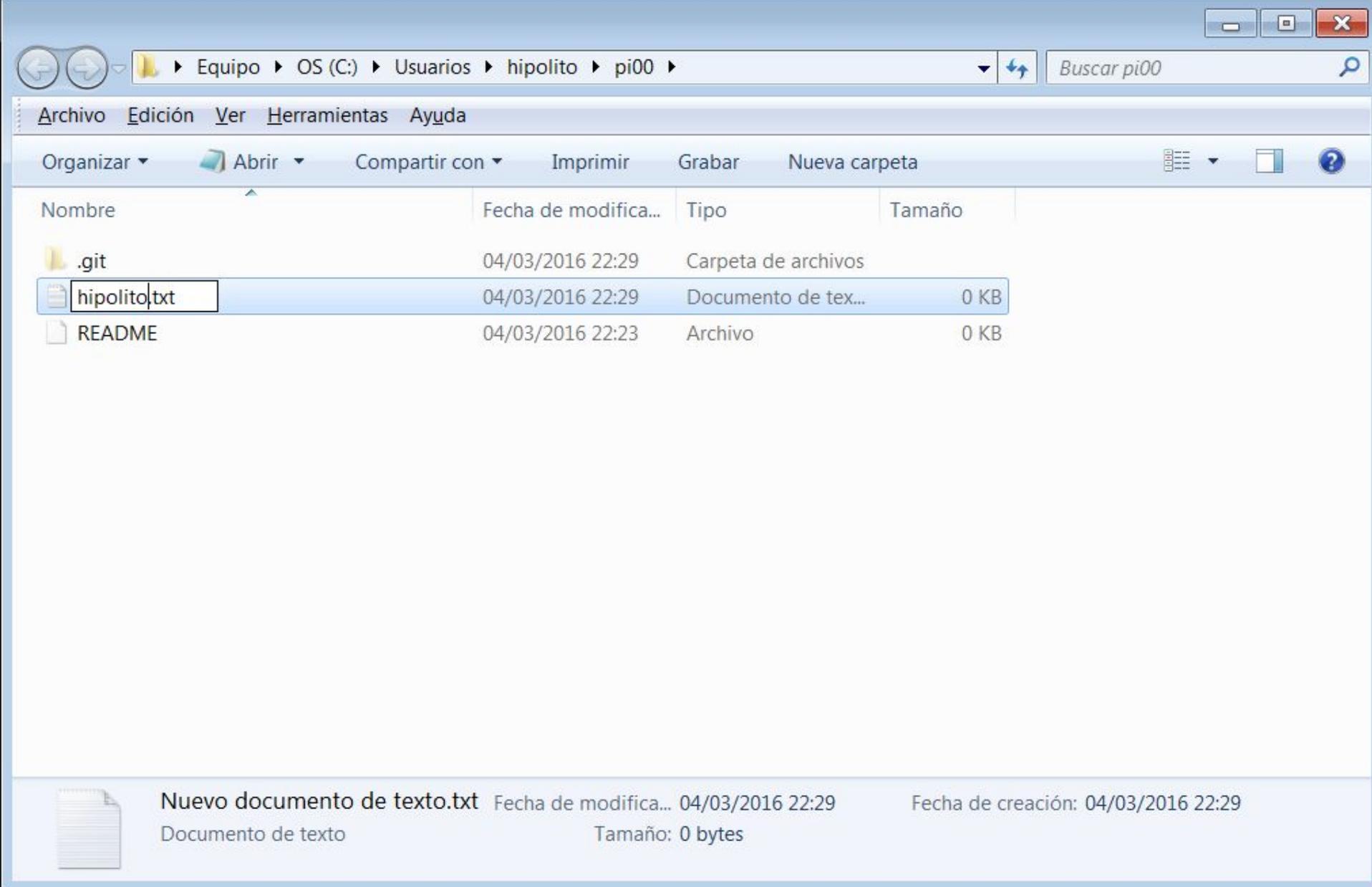
Abrimos la carpeta del repo



Los ficheros de nuestro proyecto estarán aquí (trabajaremos como en cualquier carpeta de nuestro PC)

La carpeta .git por defecto está oculta y contiene los datos que necesita git

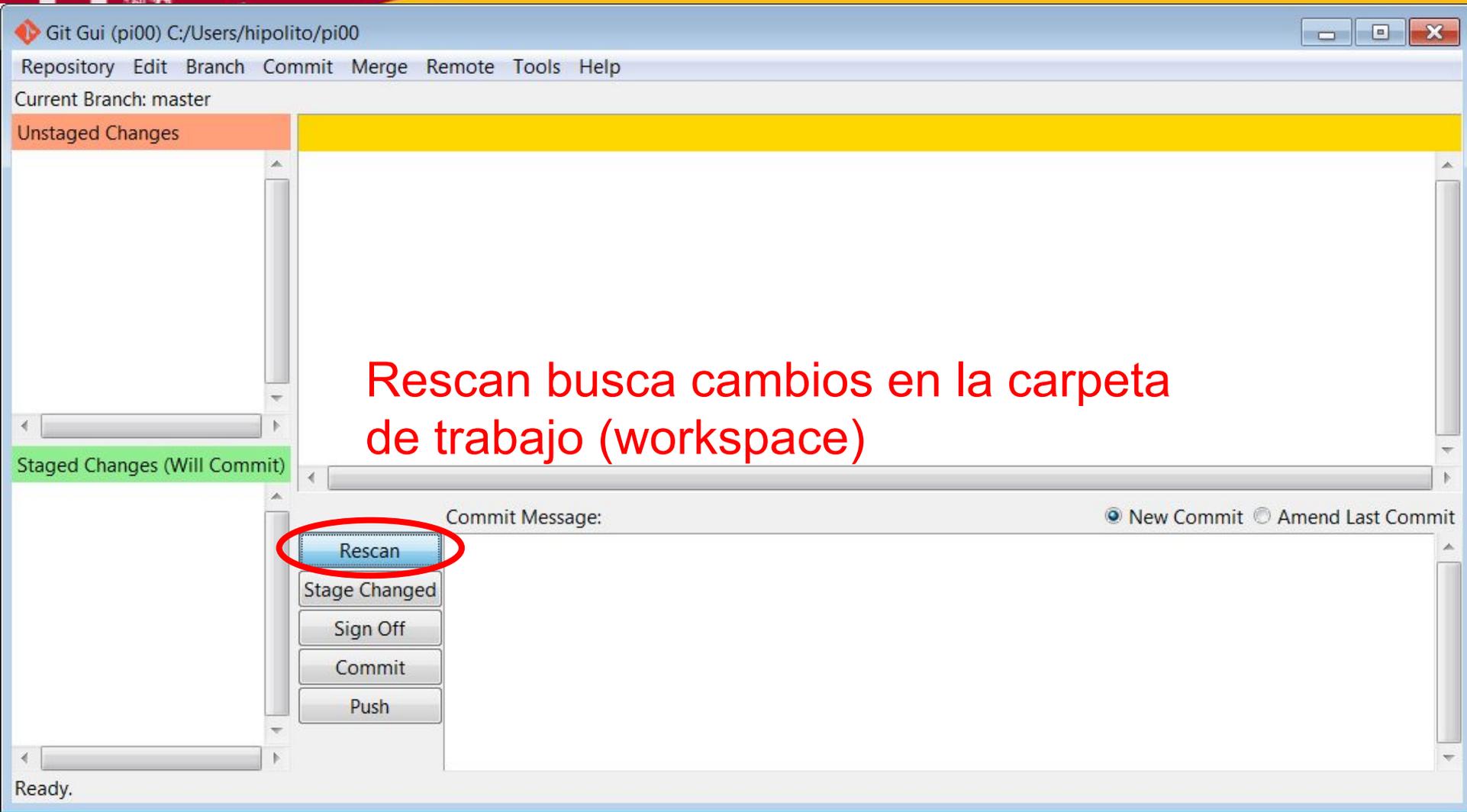
Workspace es una carpeta más de nuestro PC



Creamos un fichero con nuestro nombre

Contenido de 'hipolito.txt'

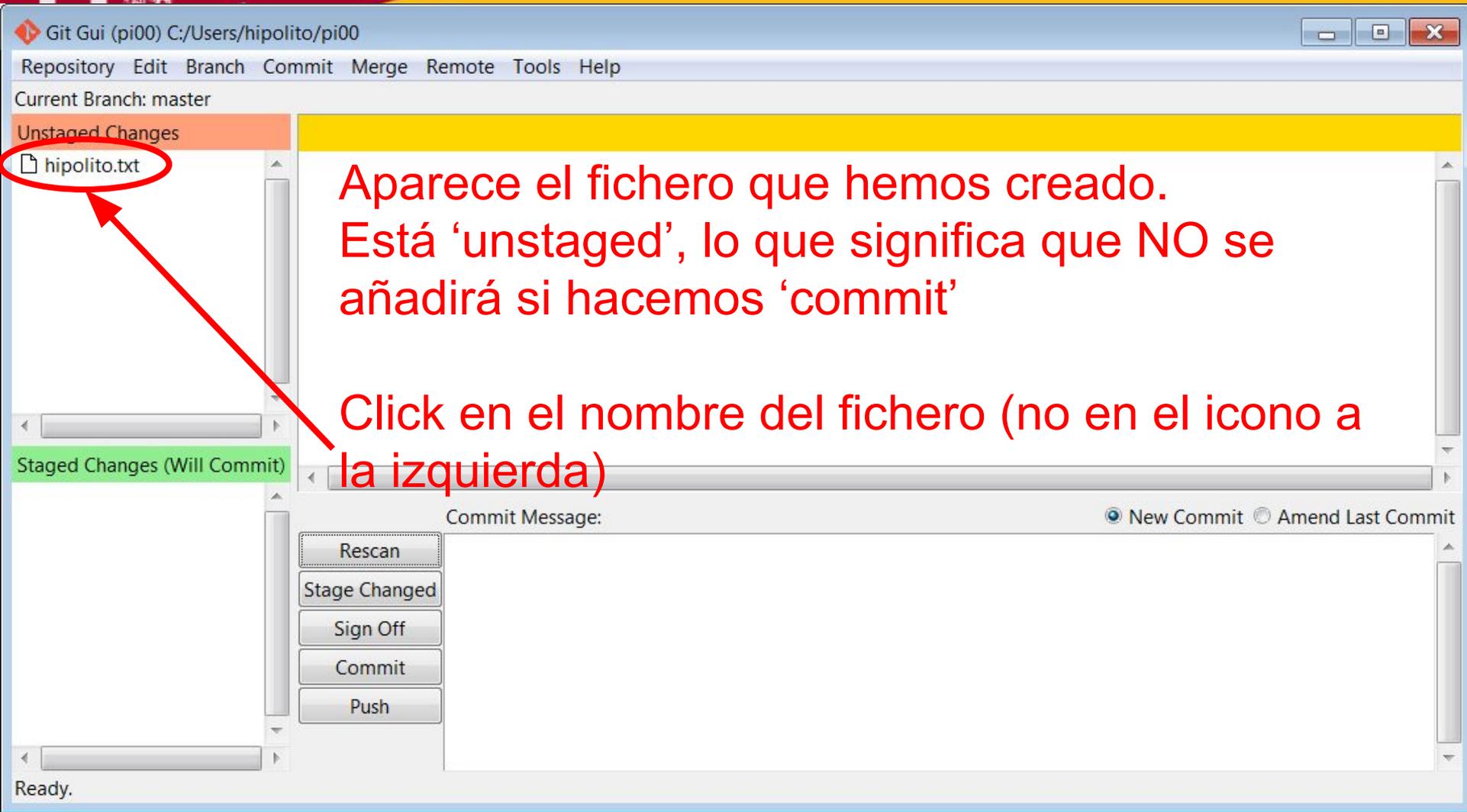
# Añadir ficheros al stage



The screenshot shows the Git GUI application window. The title bar reads "Git Gui (pi00) C:/Users/hipolito/pi00". The menu bar includes "Repository", "Edit", "Branch", "Commit", "Merge", "Remote", "Tools", and "Help". Below the menu bar, it says "Current Branch: master". The interface is divided into several sections: "Unstaged Changes" (highlighted in orange), "Staged Changes (Will Commit)" (highlighted in green), and a "Commit Message:" field. On the left side, there is a vertical toolbar with buttons for "Rescan", "Stage Changed", "Sign Off", "Commit", and "Push". The "Rescan" button is circled in red. The "Commit Message:" field has radio buttons for "New Commit" (selected) and "Amend Last Commit". The status bar at the bottom left says "Ready."

Rescan busca cambios en la carpeta de trabajo (workspace)

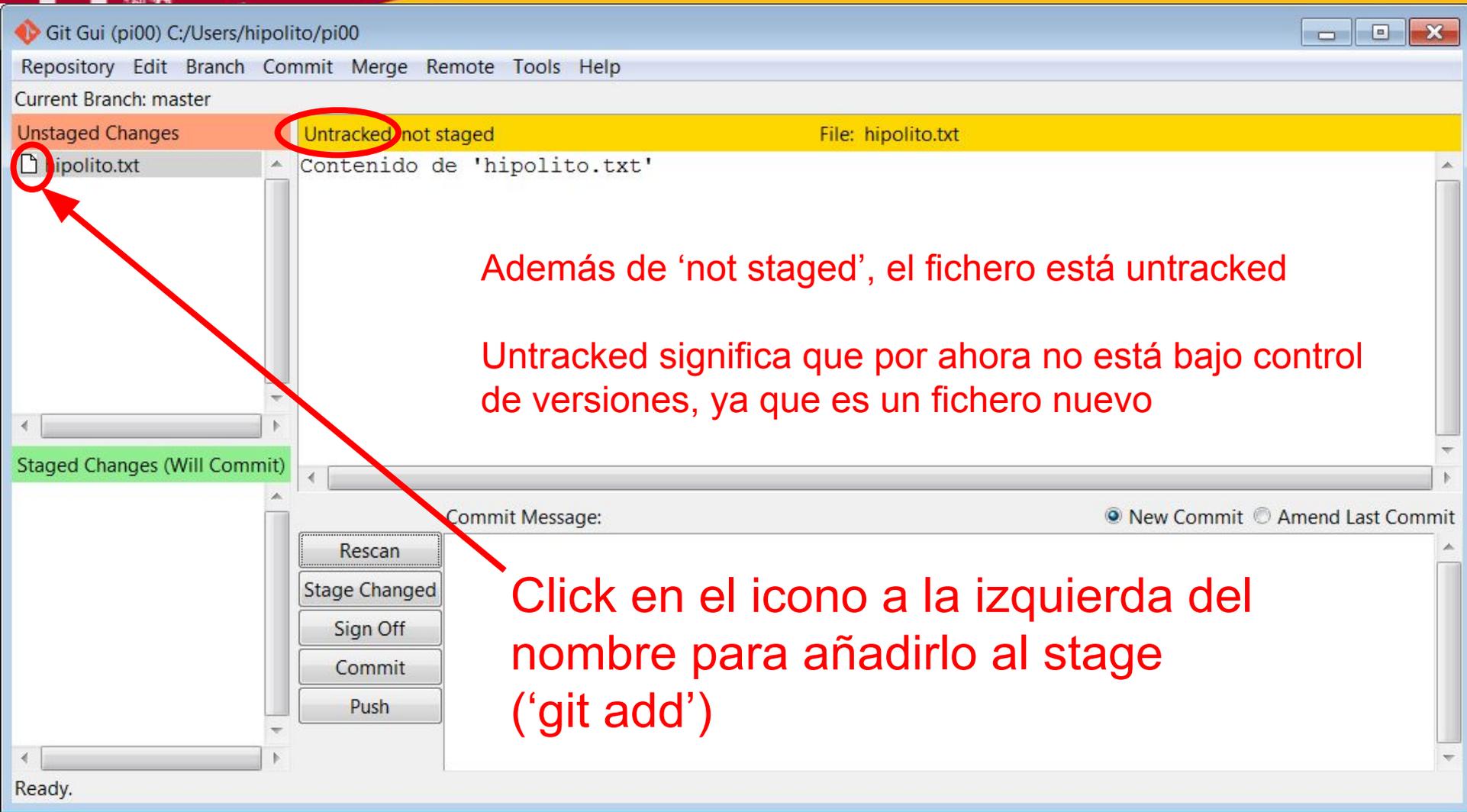
# Añadir ficheros al stage



Aparece el fichero que hemos creado.  
Está 'unstaged', lo que significa que NO se añadirá si hacemos 'commit'

Click en el nombre del fichero (no en el icono a la izquierda)

# Añadir ficheros al stage



Repository: C:/Users/hipolito/pi00  
Current Branch: master

Unstaged Changes: **Untracked not staged** File: hipolito.txt

hipolito.txt Contenido de 'hipolito.txt'

Staged Changes (Will Commit)

Commit Message:  New Commit  Amend Last Commit

Buttons: Rescan, Stage Changed, Sign Off, Commit, Push

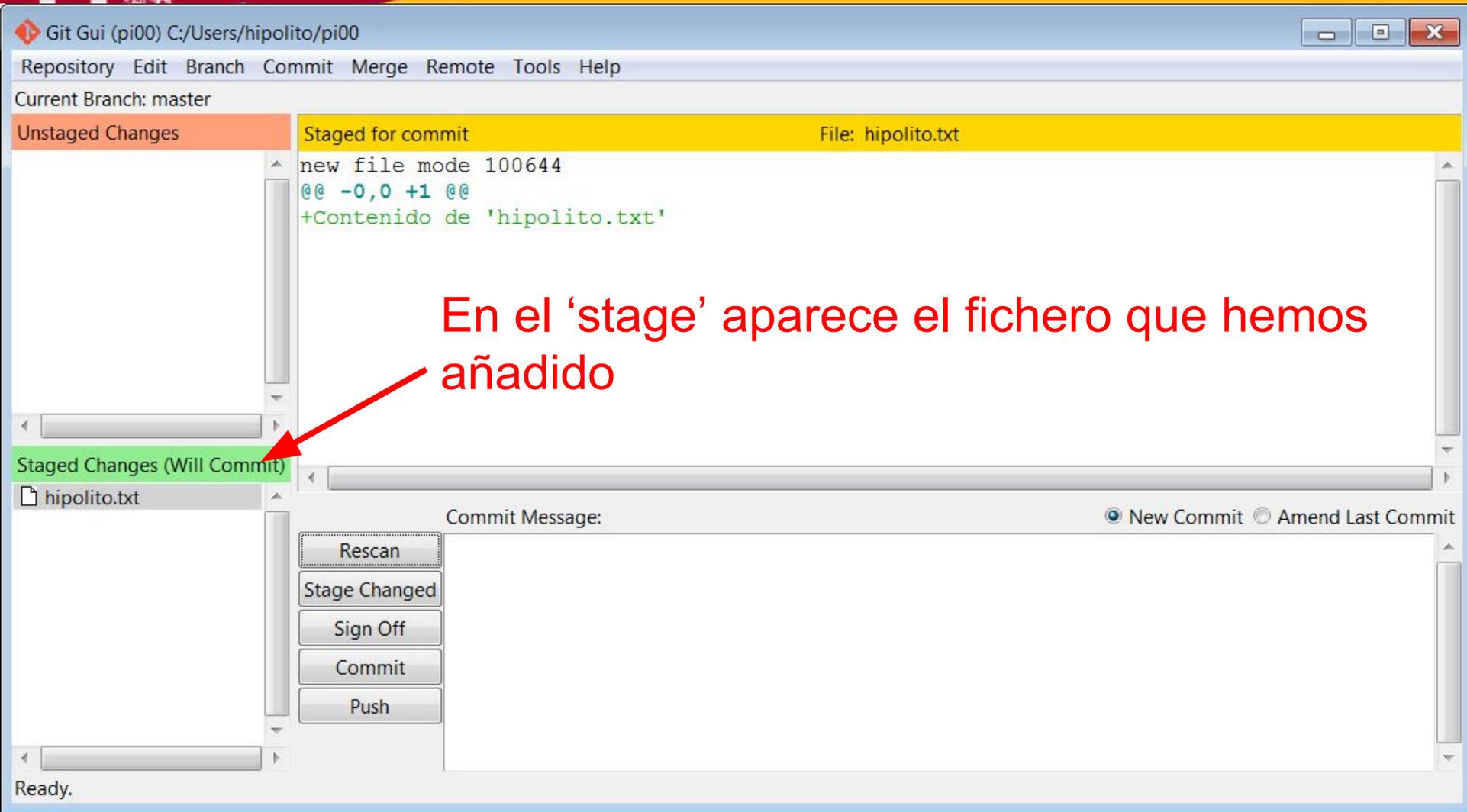
Ready.

Además de 'not staged', el fichero está untracked

Untracked significa que por ahora no está bajo control de versiones, ya que es un fichero nuevo

Click en el icono a la izquierda del nombre para añadirlo al stage ('git add')

# Añadir ficheros al stage



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The interface is divided into several sections:

- Unstaged Changes:** This section is currently empty.
- Staged for commit:** This section is highlighted in yellow and shows the details of the staged file "hipolito.txt". The content is:

```
new file mode 100644
@@ -0,0 +1 @@
+Contenido de 'hipolito.txt'
```
- Staged Changes (Will Commit):** This section is highlighted in green and lists the file "hipolito.txt". A red arrow points from the text "En el 'stage' aparece el fichero que hemos añadido" to this section.
- Commit Message:** This section contains a text area for entering a commit message. It includes radio buttons for "New Commit" (selected) and "Amend Last Commit".
- Buttons:** A vertical stack of buttons is located below the commit message area: "Rescan", "Stage Changed", "Sign Off", "Commit", and "Push".

The status bar at the bottom left shows "Ready.".

# Añadir ficheros al stage

Git Gui (pi00) C:/Users/hipolito/pi00

Repository Edit Branch Commit Merge Remote Tools Help

Current Branch: master

Unstaged Changes

Staged for commit File: hipolito.txt

```
new file mode 100644
@@ -0,0 +1 @@
+Contenido de 'hipolito.txt'
```

Stage Changes (Will Commit)

- hipolito.txt

Commit Message:  New Commit  Amend Last Commit

Rescan  
Stage Changed  
Sign Off  
Commit  
Push

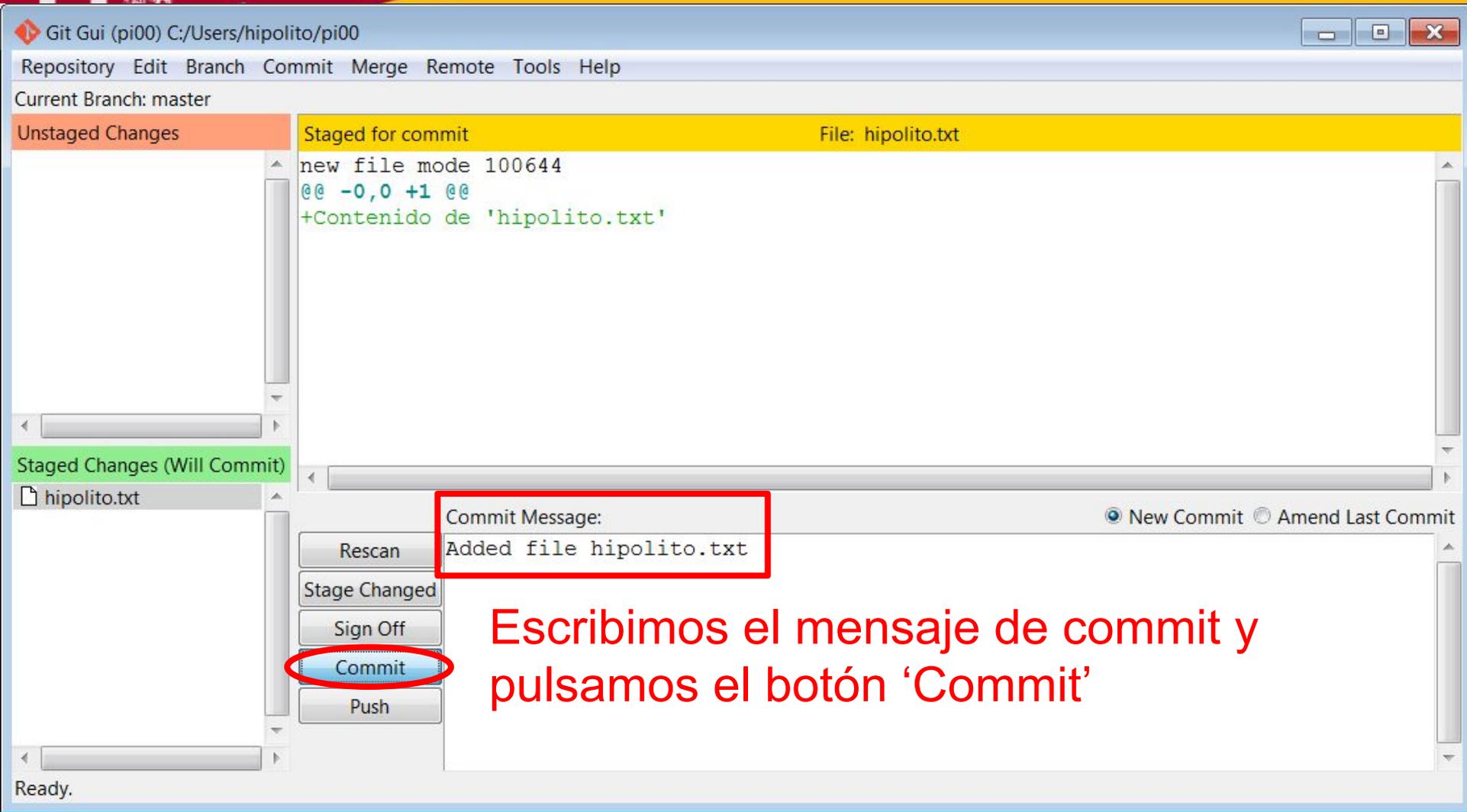
Ready.

Si no quisiéramos hacer commit de este fichero lo sacaríamos del stage ('unstage') haciendo click en el icono a la izquierda del nombre

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# Creando commits



Git Gui (pi00) C:/Users/hipolito/pi00

Repository Edit Branch Commit Merge Remote Tools Help

Current Branch: master

Unstaged Changes

Staged for commit File: hipolito.txt

```
new file mode 100644
@@ -0,0 +1 @@
+Contenido de 'hipolito.txt'
```

Staged Changes (Will Commit)

hipolito.txt

Commit Message: Added file hipolito.txt

New Commit  Amend Last Commit

Rescan

Stage Changed

Sign Off

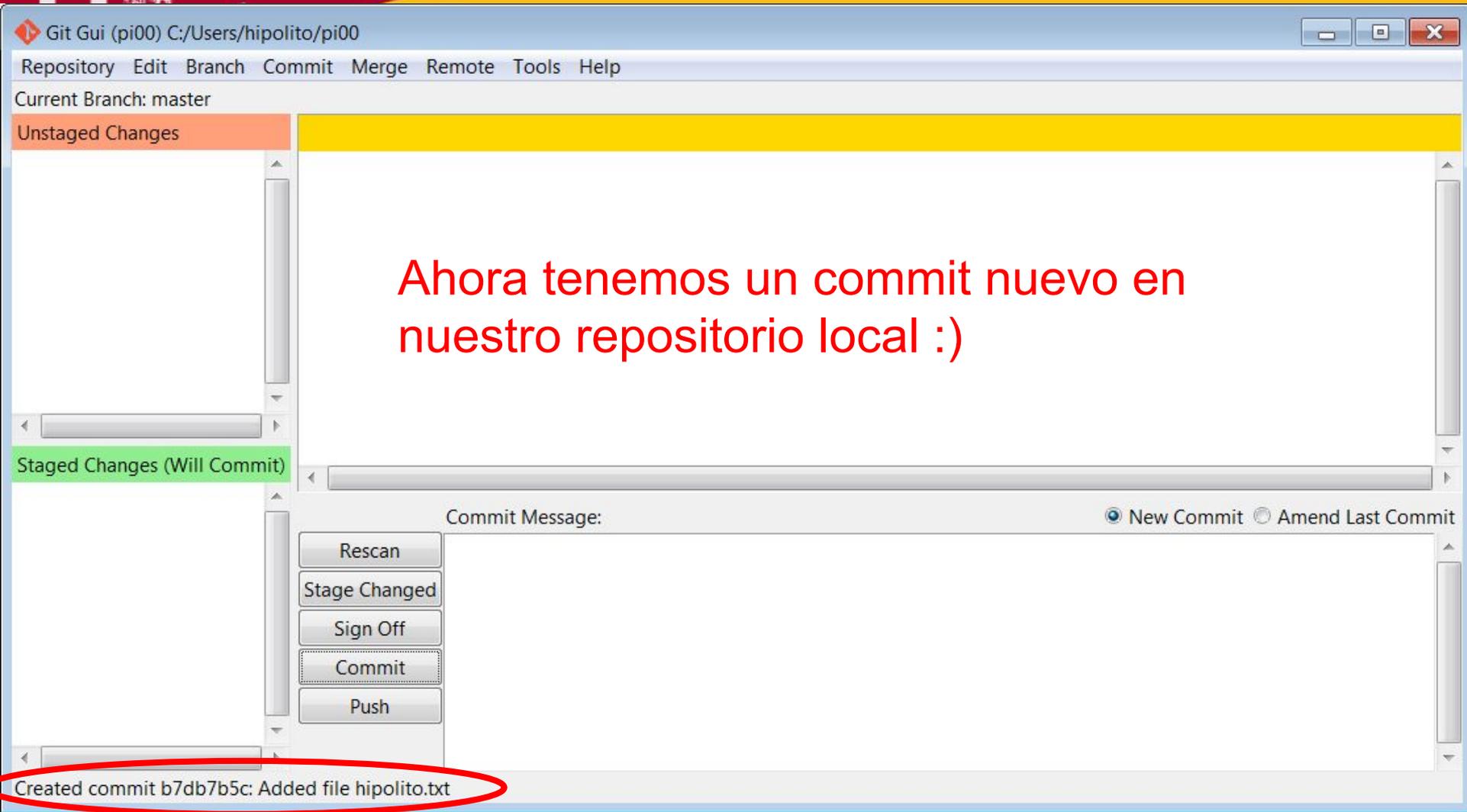
**Commit**

Push

Ready.

Escribimos el mensaje de commit y pulsamos el botón 'Commit'

# Creando commits



The screenshot shows the Git GUI application window. The title bar reads "Git Gui (pi00) C:/Users/hipolito/pi00". The menu bar includes "Repository", "Edit", "Branch", "Commit", "Merge", "Remote", "Tools", and "Help". Below the menu bar, it says "Current Branch: master".

The main area is divided into two sections: "Unstaged Changes" (highlighted in orange) and "Staged Changes (Will Commit)" (highlighted in green). The "Staged Changes" section is currently empty.

Below the staged changes, there is a "Commit Message:" field with a text area. To the right of this field are two radio buttons: "New Commit" (selected) and "Amend Last Commit".

On the left side of the commit message area, there is a vertical toolbar with buttons: "Rescan", "Stage Changed", "Sign Off", "Commit" (highlighted with a dotted border), and "Push".

At the bottom of the window, a status bar displays the message "Created commit b7db7b5c: Added file hipolito.txt", which is circled in red.

Ahora tenemos un commit nuevo en nuestro repositorio local :)

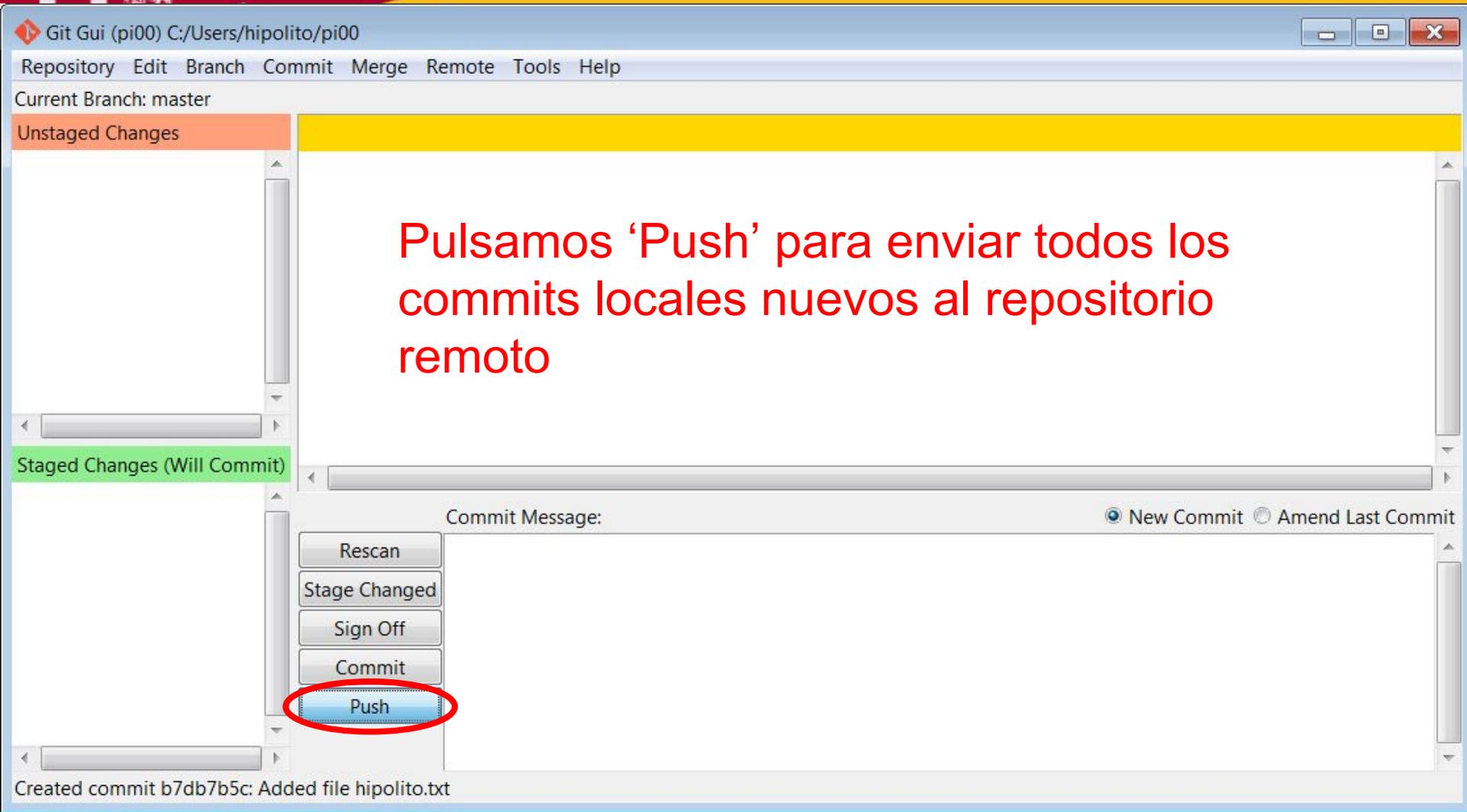
## Formato correcto de un mensaje de commit

Aunque es texto plano y podemos hacerlo como queramos, lo recomendado es:

- Primera línea:
  - Resumen conciso de los cambios
  - Máximo 50 caracteres
- Si añadimos una descripción más extensa:
  - Dejamos la segunda línea en blanco
  - Tercera línea y posteriores:
    - Descripción más detallada
    - máximo 72 caracteres

# Contenido

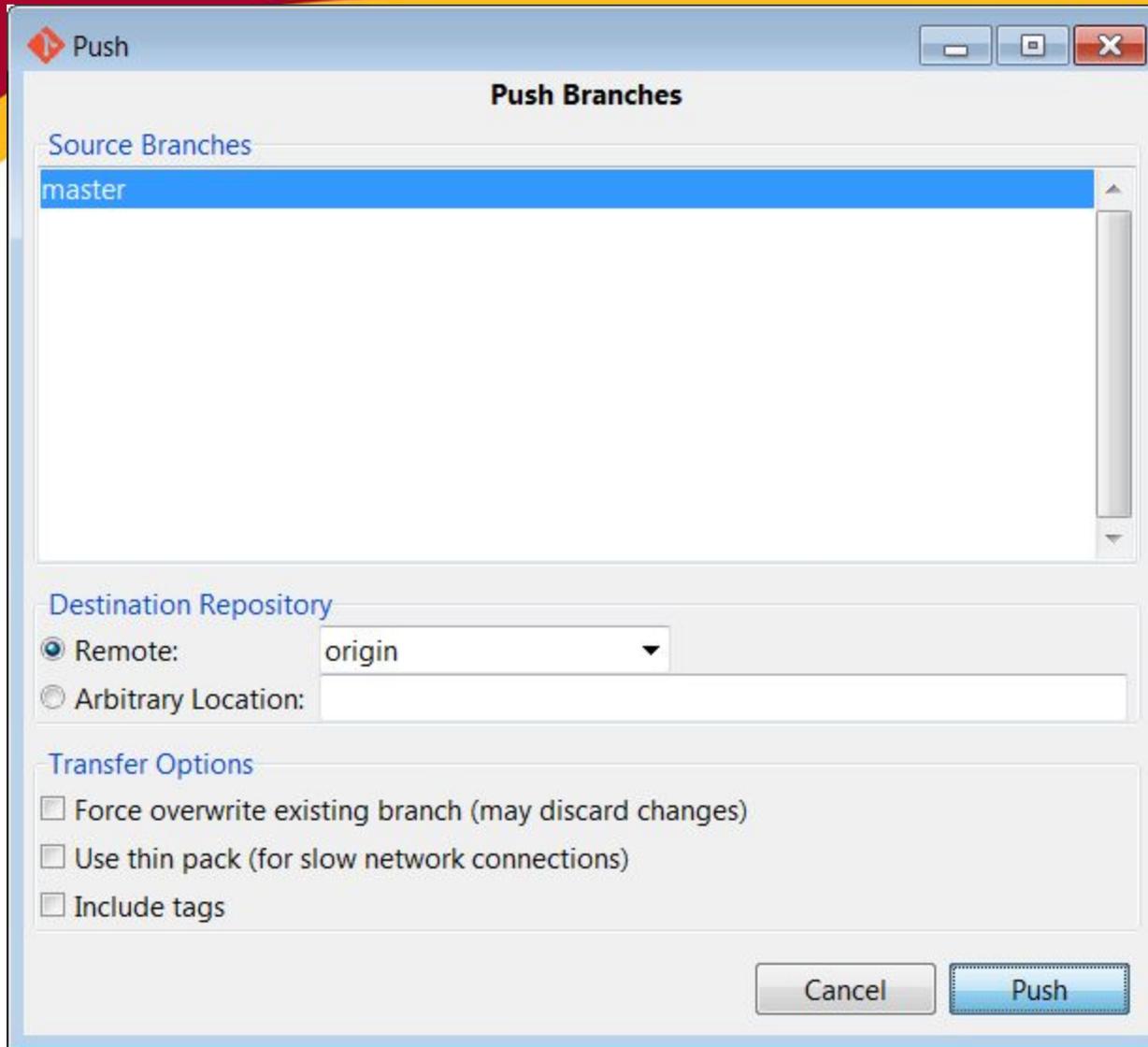
- Áreas de git
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- **Push**
- Pull = Fetch from origin + Merge local
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The screenshot shows the Git GUI application window. The title bar reads "Git Gui (pi00) C:/Users/hipolito/pi00". The menu bar includes "Repository", "Edit", "Branch", "Commit", "Merge", "Remote", "Tools", and "Help". The status bar at the top indicates "Current Branch: master". The interface is divided into several sections: "Unstaged Changes" (highlighted in orange), "Staged Changes (Will Commit)" (highlighted in green), and a "Commit Message" section. In the "Commit Message" section, there are radio buttons for "New Commit" (selected) and "Amend Last Commit". A vertical toolbar on the left contains buttons for "Rescan", "Stage Changed", "Sign Off", "Commit", and "Push". The "Push" button is circled in red. The main area of the window contains the text: "Pulsamos 'Push' para enviar todos los commits locales nuevos al repositorio remoto". At the bottom, a status bar shows "Created commit b7db7b5c: Added file hipolito.txt".

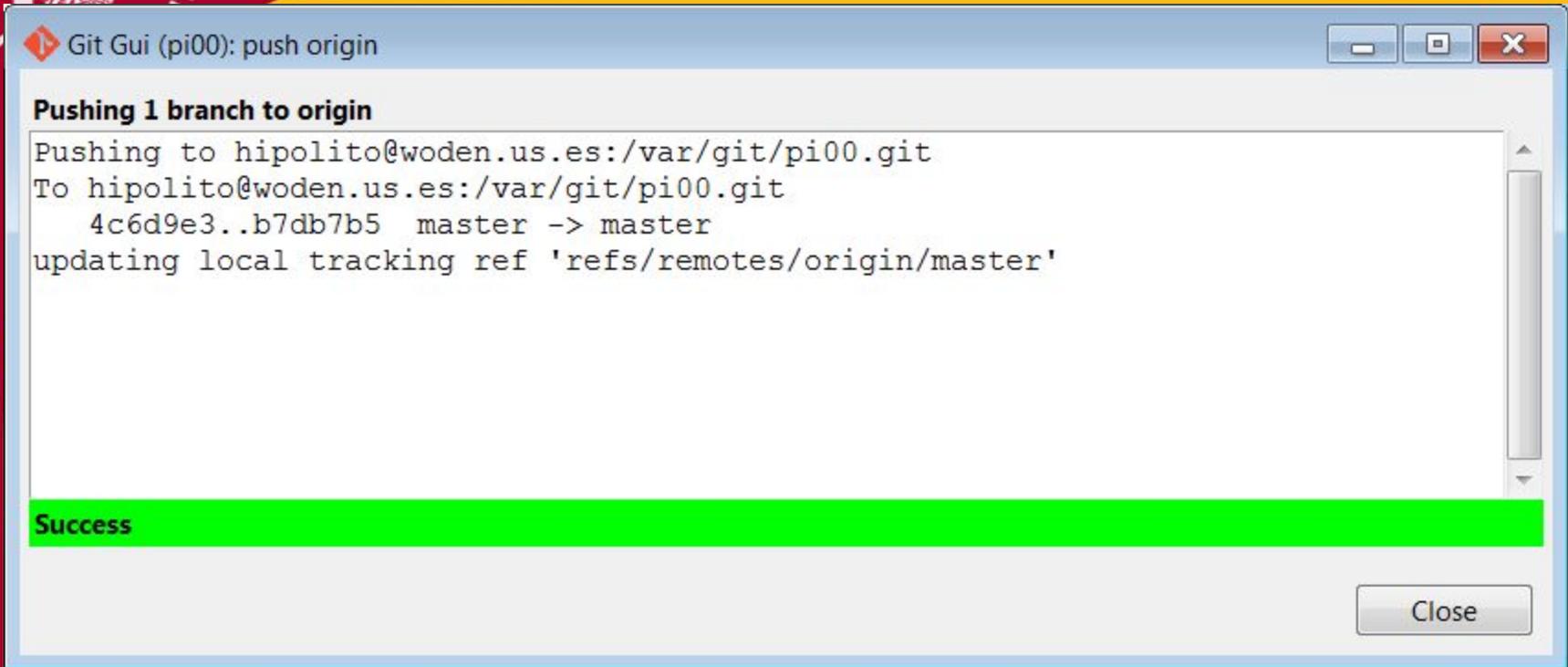
Pulsamos 'Push' para enviar todos los commits locales nuevos al repositorio remoto

# Push



Por defecto 'pusheamos' a la rama master

# Push



Git Gui (pi00): push origin

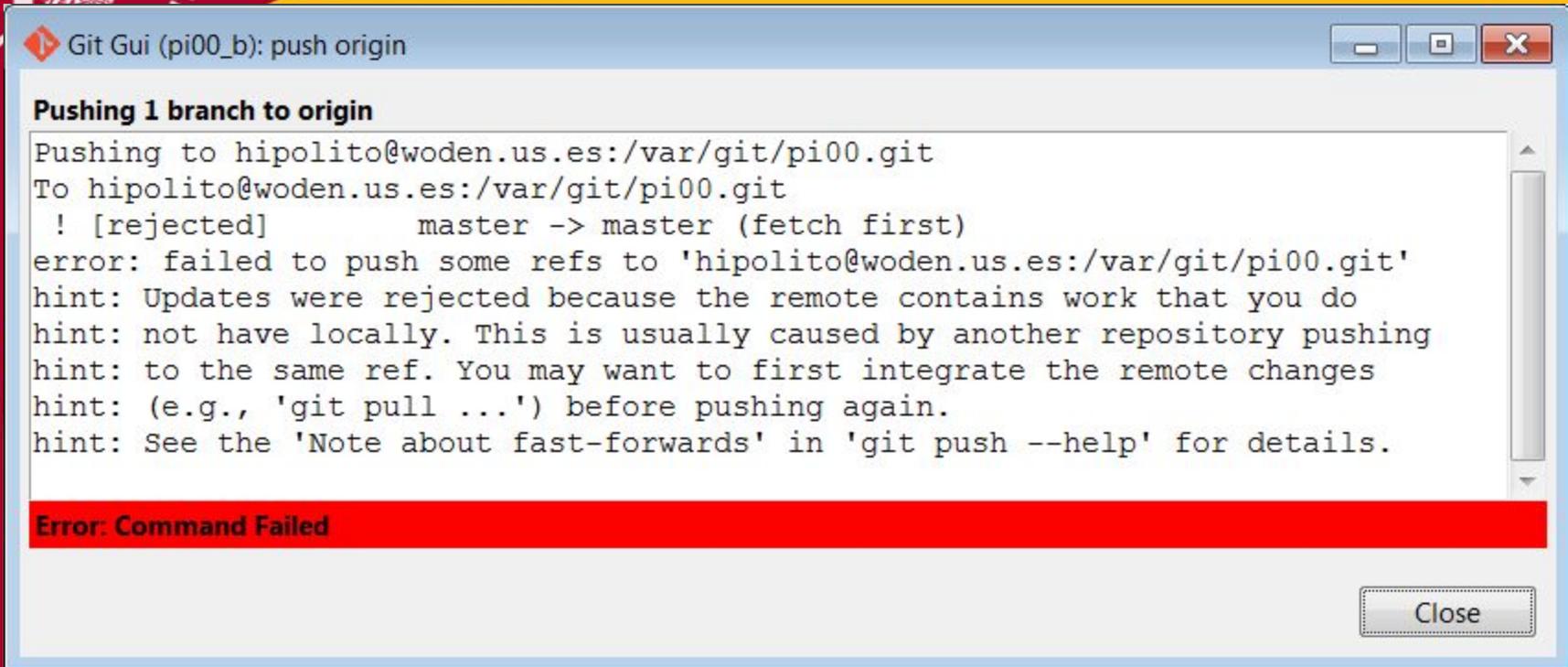
**Pushing 1 branch to origin**

```
Pushing to hipolito@woden.us.es:/var/git/pi00.git
To hipolito@woden.us.es:/var/git/pi00.git
    4c6d9e3..b7db7b5  master -> master
updating local tracking ref 'refs/remotes/origin/master'
```

**Success**

Close

Normalmente todo va bien...



```
Git Gui (pi00_b): push origin

Pushing 1 branch to origin
Pushing to hipolito@woden.us.es:/var/git/pi00.git
To hipolito@woden.us.es:/var/git/pi00.git
 ! [rejected]          master -> master (fetch first)
error: failed to push some refs to 'hipolito@woden.us.es:/var/git/pi00.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Error: Command Failed

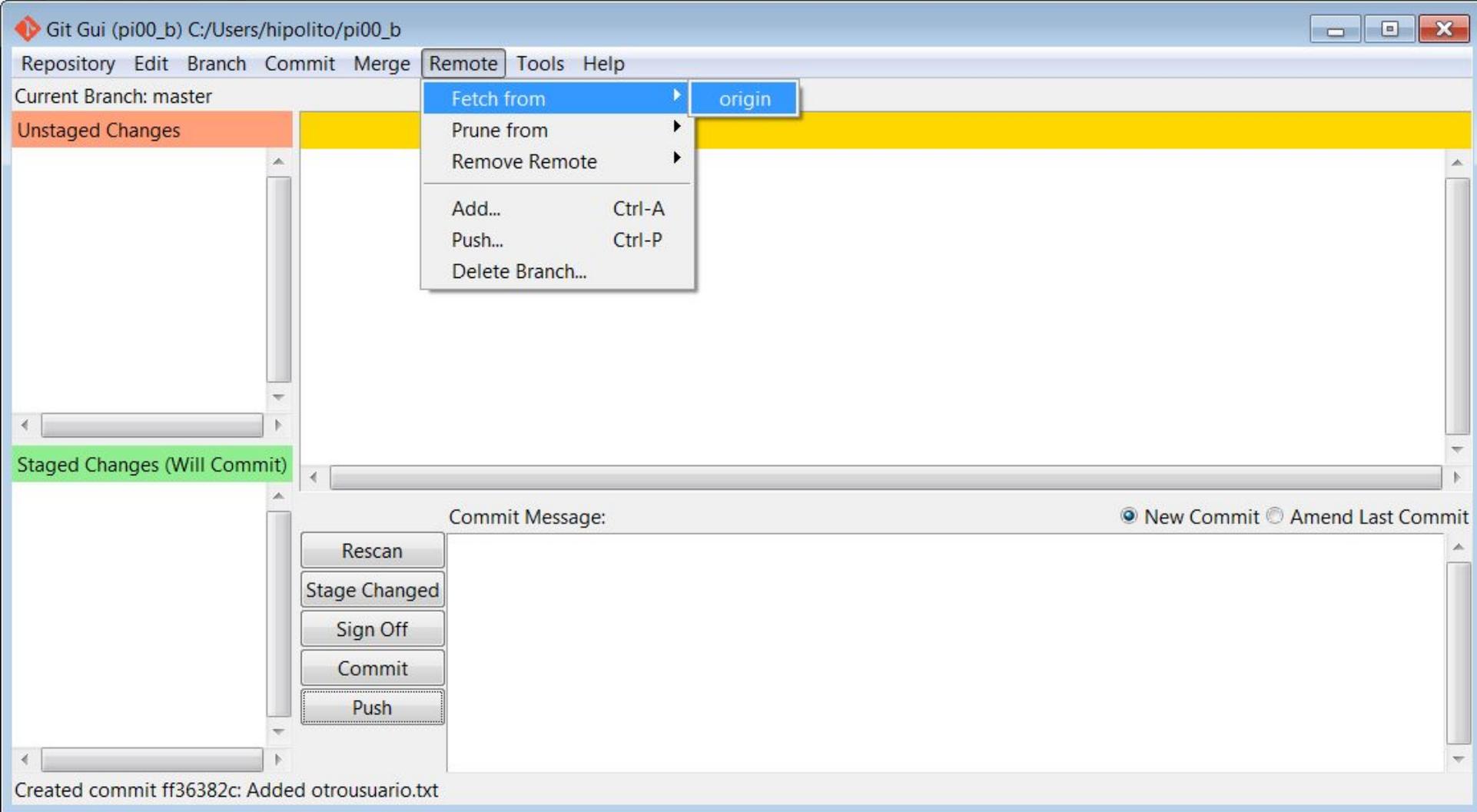
Close
```

Si nos da este error, es porque otro compañero ha hecho push antes que nosotros: debemos actualizar nuestro repo local (fetch + merge) antes de hacer push

# Contenido

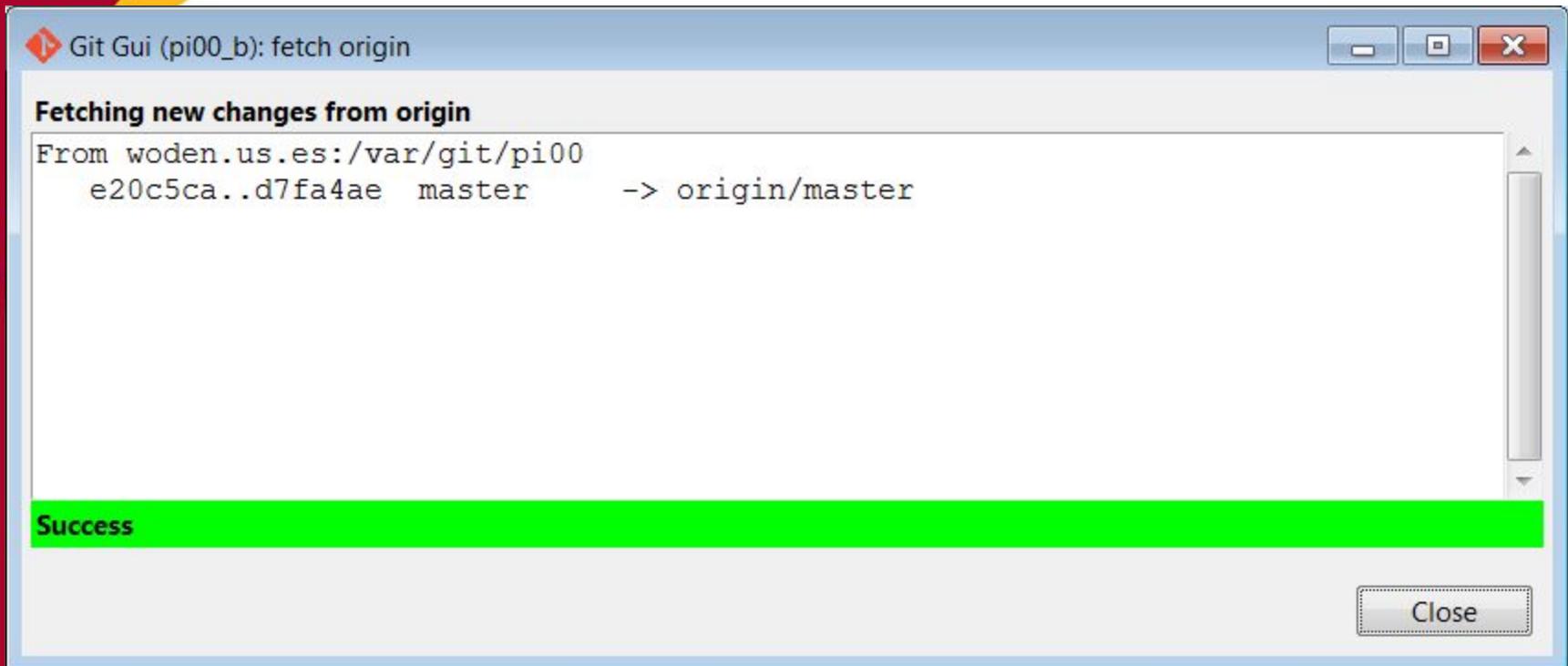
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# Pull: fetch + merge



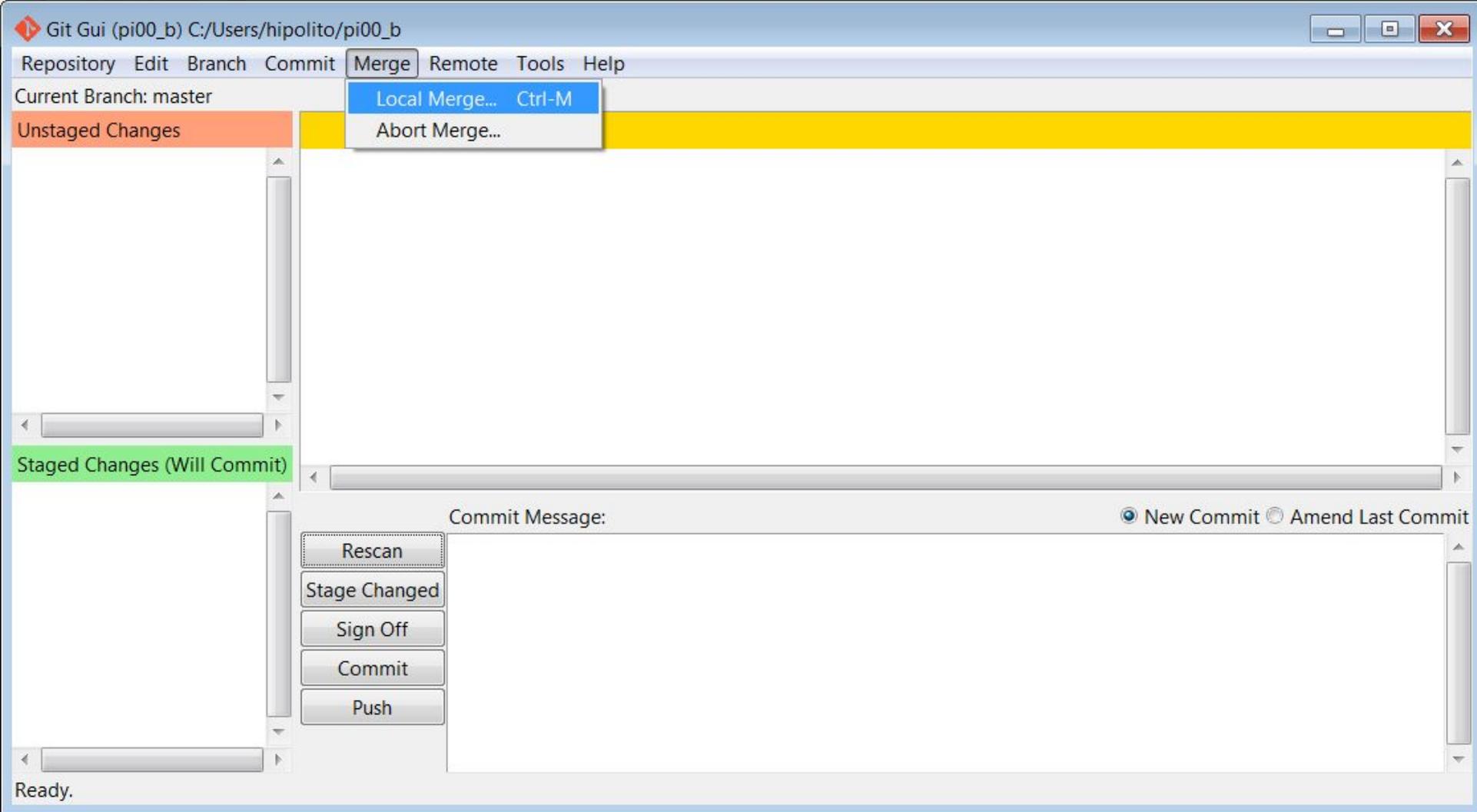
Fetch from origin descarga los cambios nuevos que haya en el repo remoto

# Pull: fetch + merge



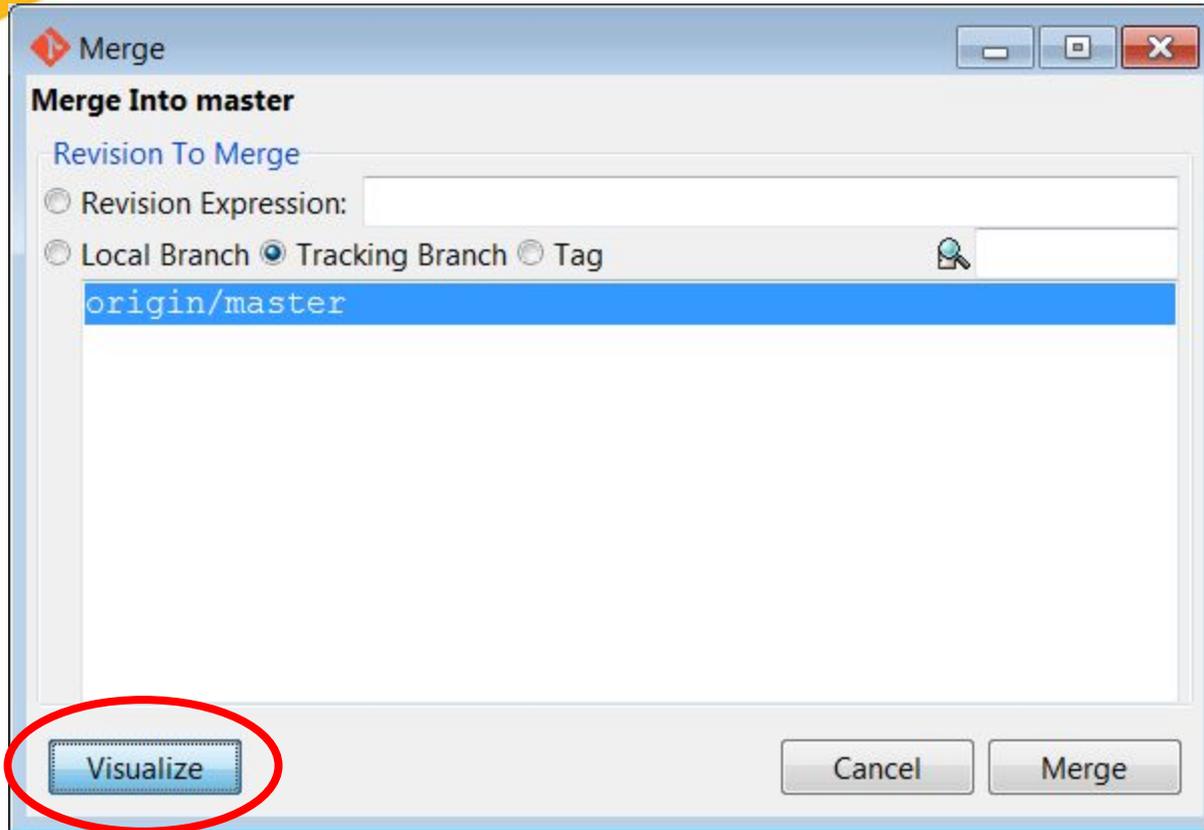
(Nota: si al hacer fetch este cuadro de diálogo no contiene texto, es que no hay cambios nuevos, por lo que no será necesario un merge)

# Pull: fetch + merge



Local merge fusiona los cambios nuevos en el repo local y el workspace

# Pull: fetch + merge



Podemos ver los cambios antes de fusionar

# Pull: fetch + merge

gitk pi00\_b

Archivo Editar Vista Ayuda

remotes/origin/master Added hipolito.txt  
Initial commit

Hipolito Guzman <hipolito@challenger> 2016-03-04 21:56:00  
root <root@woden.(none)> 2013-10-23 23:09:46

SHA1 ID: d7fa4ae7fb8d2284513d4cc2e42a4b59f67503f0 Row 1 / 2

Buscar revisión que contiene: Exacto Todos los campos

Buscar

Diferencia  Versión antigua  Versión nueva Líneas de contexto: 3  Ignora c

Parche  Árbol

Comentarios  
hipolito.txt

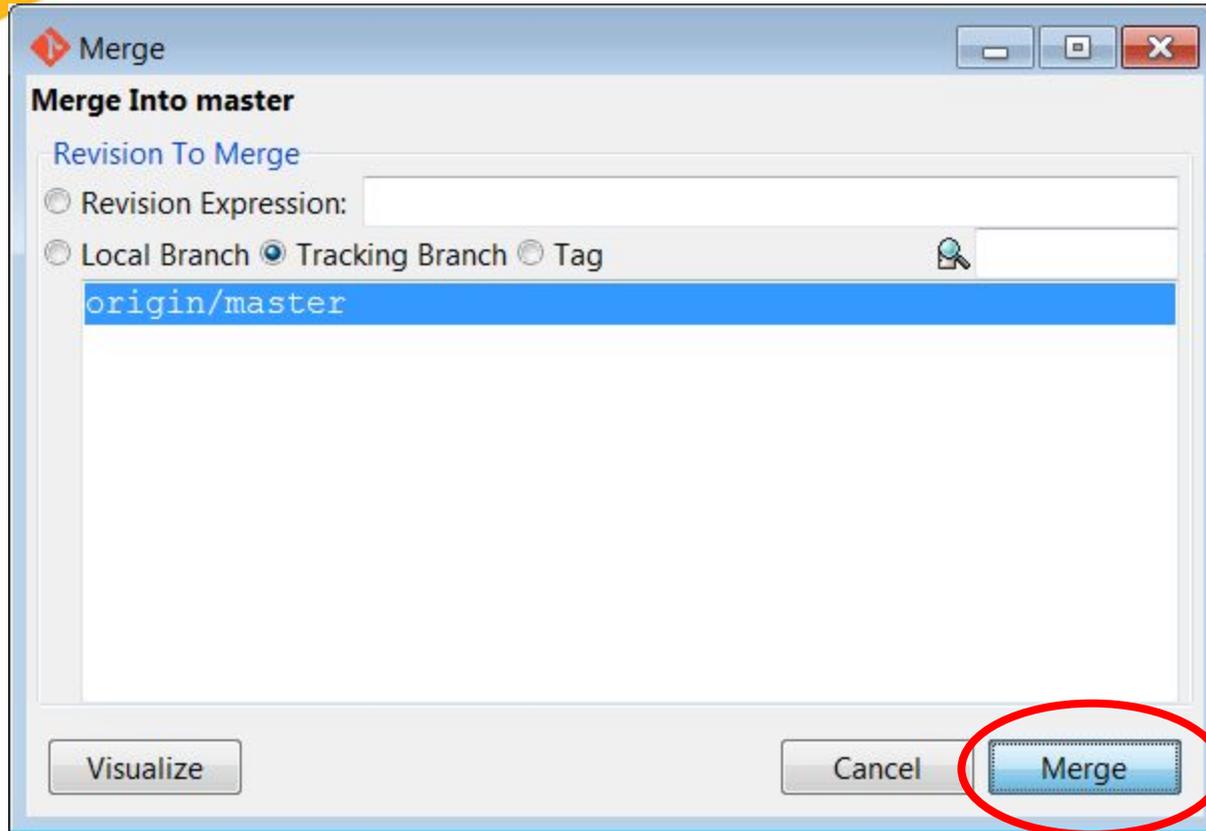
```

Autor: Hipolito Guzman <hipolito@challenger> 2016-03-04 21:56:00
Committer: Hipolito Guzman <hipolito@challenger> 2016-03-04 21:56:00
Padre: e20c5ca8c6a64777f87c9553b7a9d5b4d505ef85 (Initial commit)
Rama: remotes/origin/master
Sigue-a:
Precede-a:

Added hipolito.txt

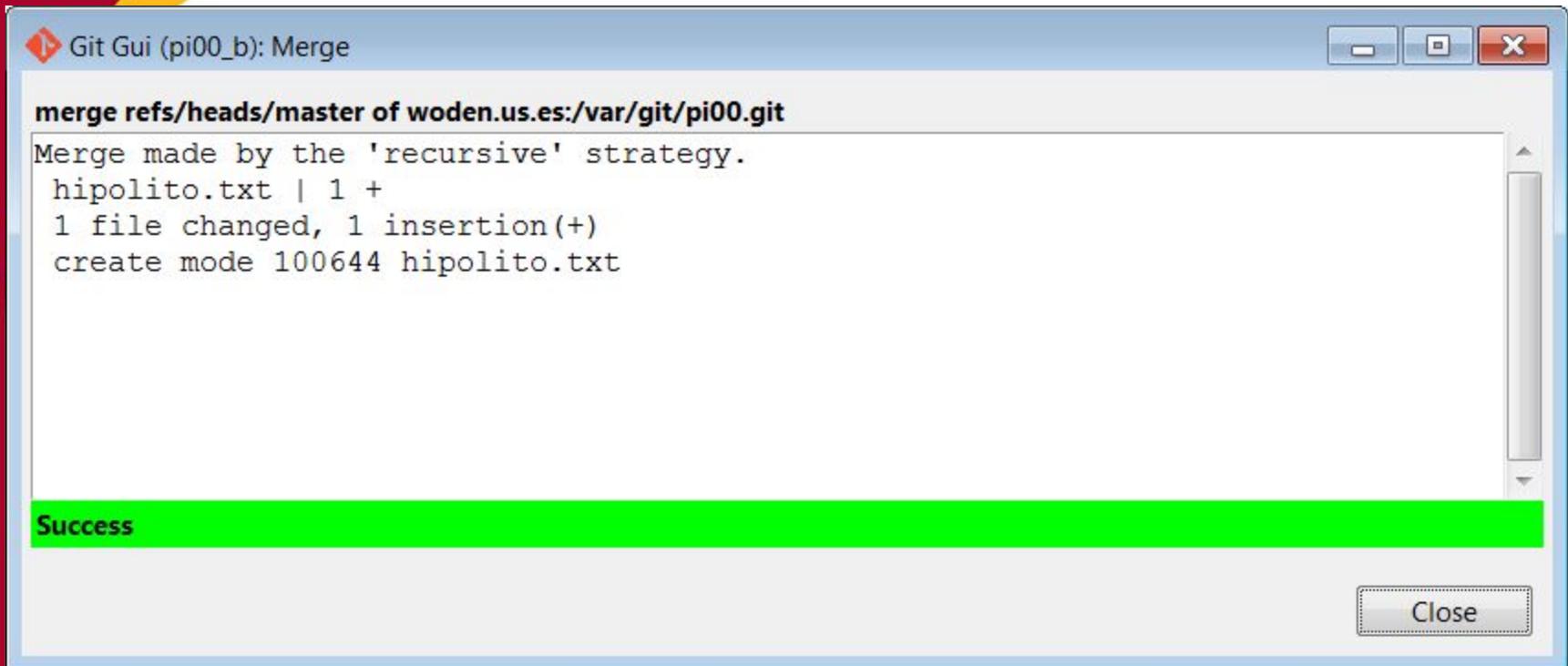
----- hipolito.txt -----
new file mode 100644
index 0000000..91a06b3
@@ -0,0 +1 @@
+Contenido de 'hipolito.txt'
    
```

# Pull: fetch + merge



Pulsamos 'Merge'

# Pull: fetch + merge



Git Gui (pi00\_b): Merge

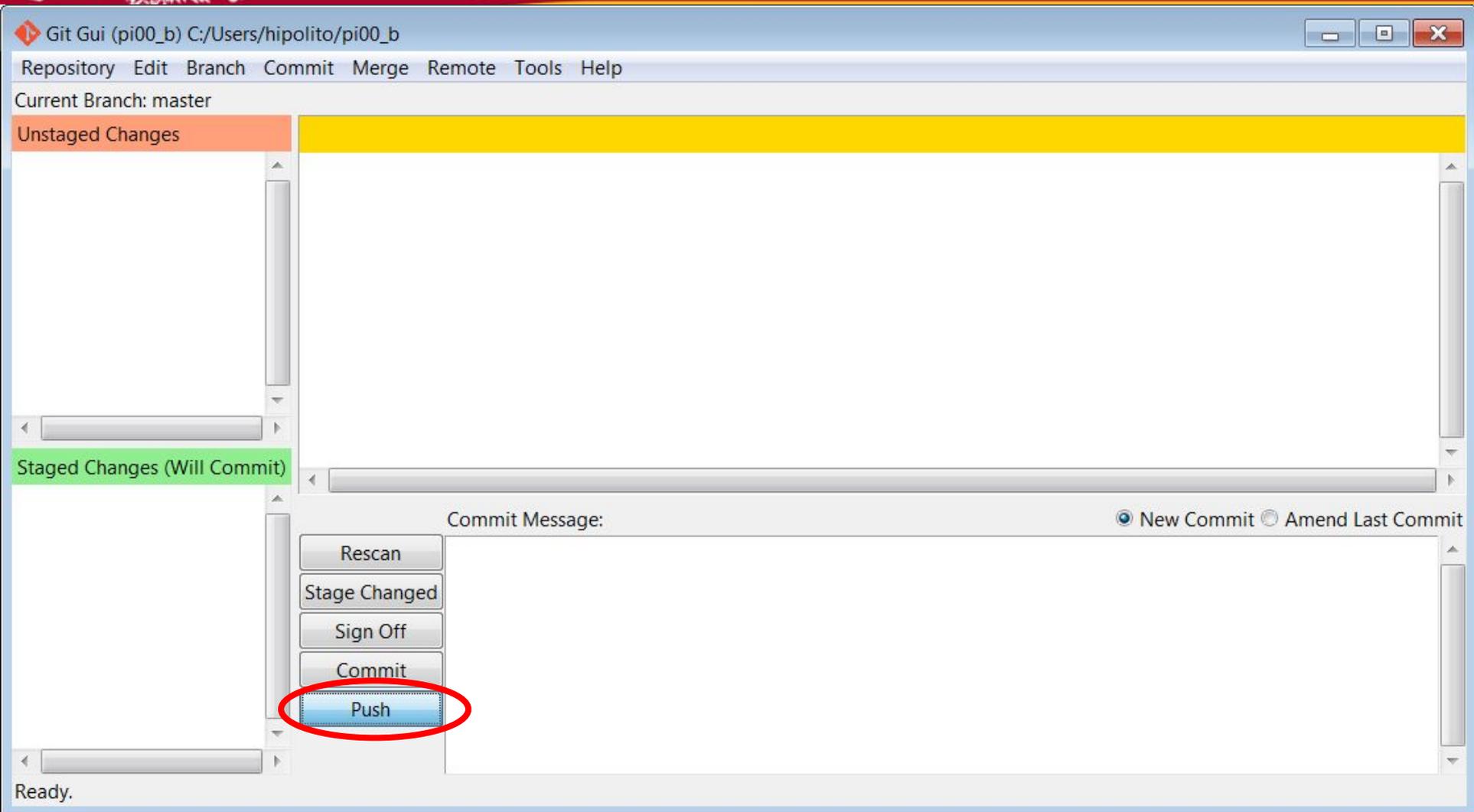
```
merge refs/heads/master of woden.us.es:/var/git/pi00.git  
Merge made by the 'recursive' strategy.  
hipolito.txt | 1 +  
1 file changed, 1 insertion(+)  
create mode 100644 hipolito.txt
```

Success

Close

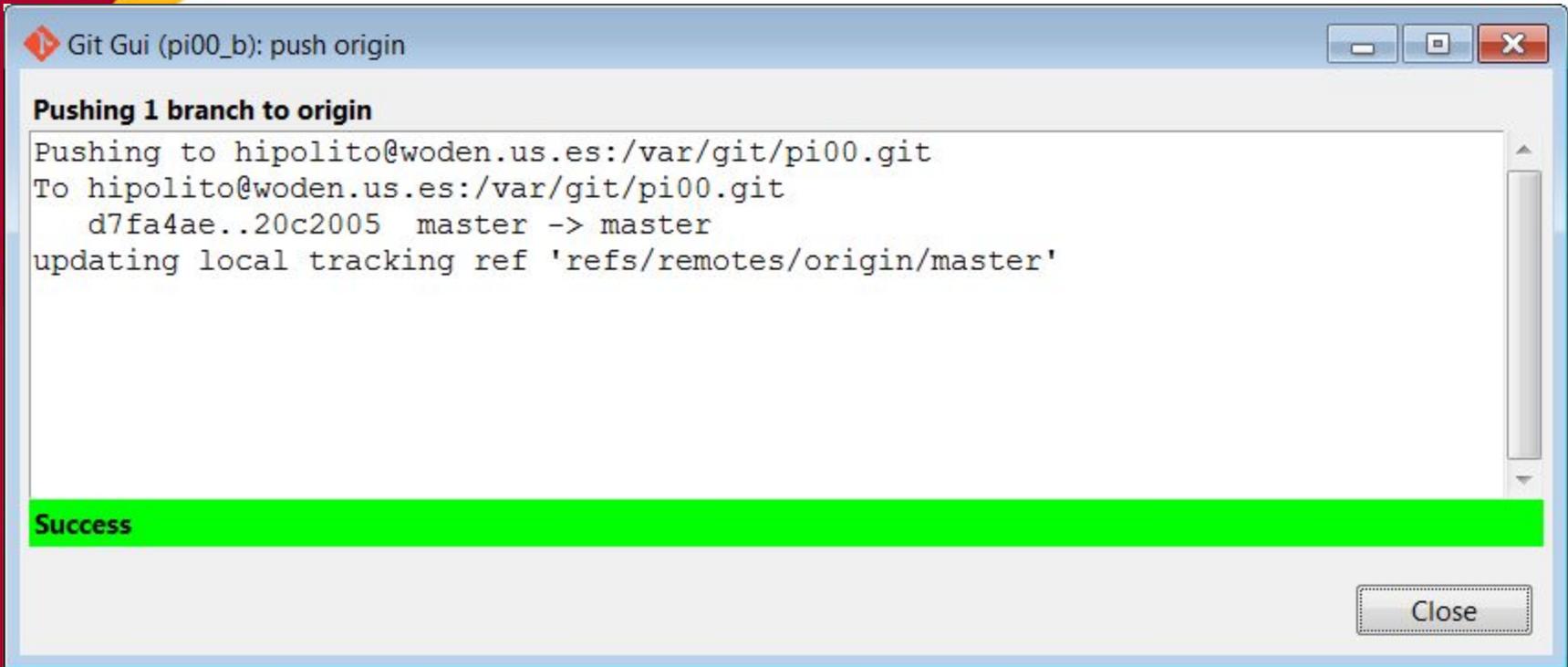
Merge completado con éxito

# Push (2)



Tras el merge, ya podemos 'pushear' nuestros cambios

# Push (2)



Git Gui (pi00\_b): push origin

**Pushing 1 branch to origin**

```
Pushing to hipolito@woden.us.es:/var/git/pi00.git  
To hipolito@woden.us.es:/var/git/pi00.git  
    d7fa4ae..20c2005  master -> master  
updating local tracking ref 'refs/remotes/origin/master'
```

**Success**

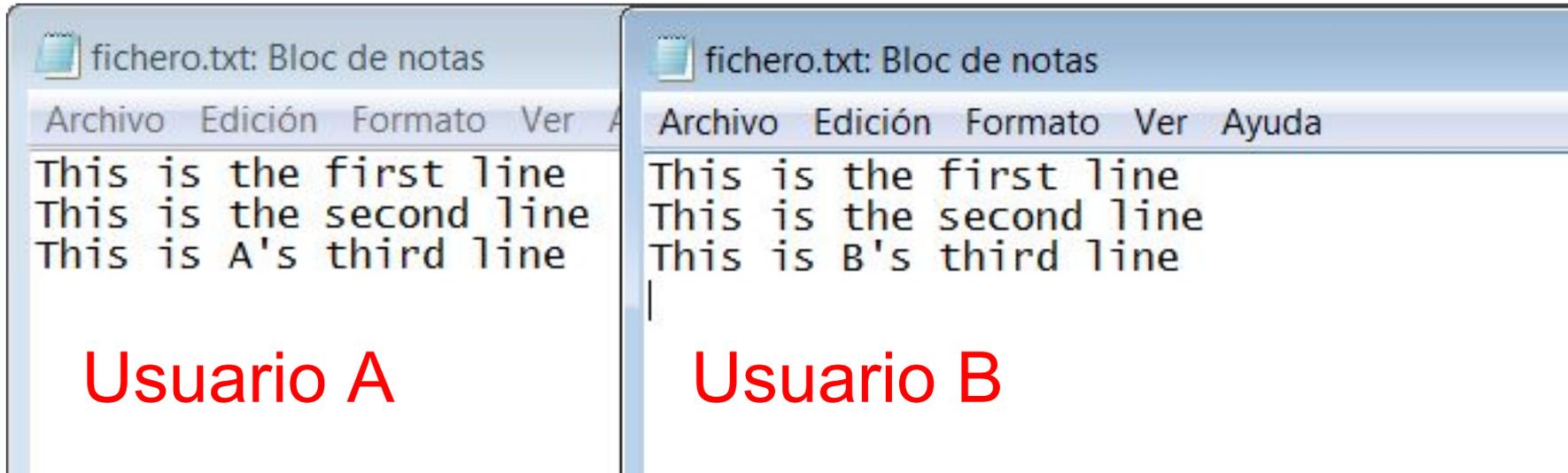
Close

Y esta vez, el push termina correctamente

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- Revertir errores usando checkout

¿Qué ocurre si dos personas modifican la misma zona del mismo fichero?



The image shows two side-by-side Notepad windows, both titled 'fichero.txt: Bloc de notas'. The left window, labeled 'Usuario A', has a menu bar with 'Archivo', 'Edición', 'Formato', and 'Ver'. Its text content is: 'This is the first line', 'This is the second line', and 'This is A's third line'. The right window, labeled 'Usuario B', has a menu bar with 'Archivo', 'Edición', 'Formato', 'Ver', and 'Ayuda'. Its text content is: 'This is the first line', 'This is the second line', and 'This is B's third line'. The cursor in the right window is positioned at the start of the third line.

**Usuario A**

**Usuario B**

A 'pushea' primero y no ve nada raro  
B tiene que hacer fetch + merge, pero al hacer merge:

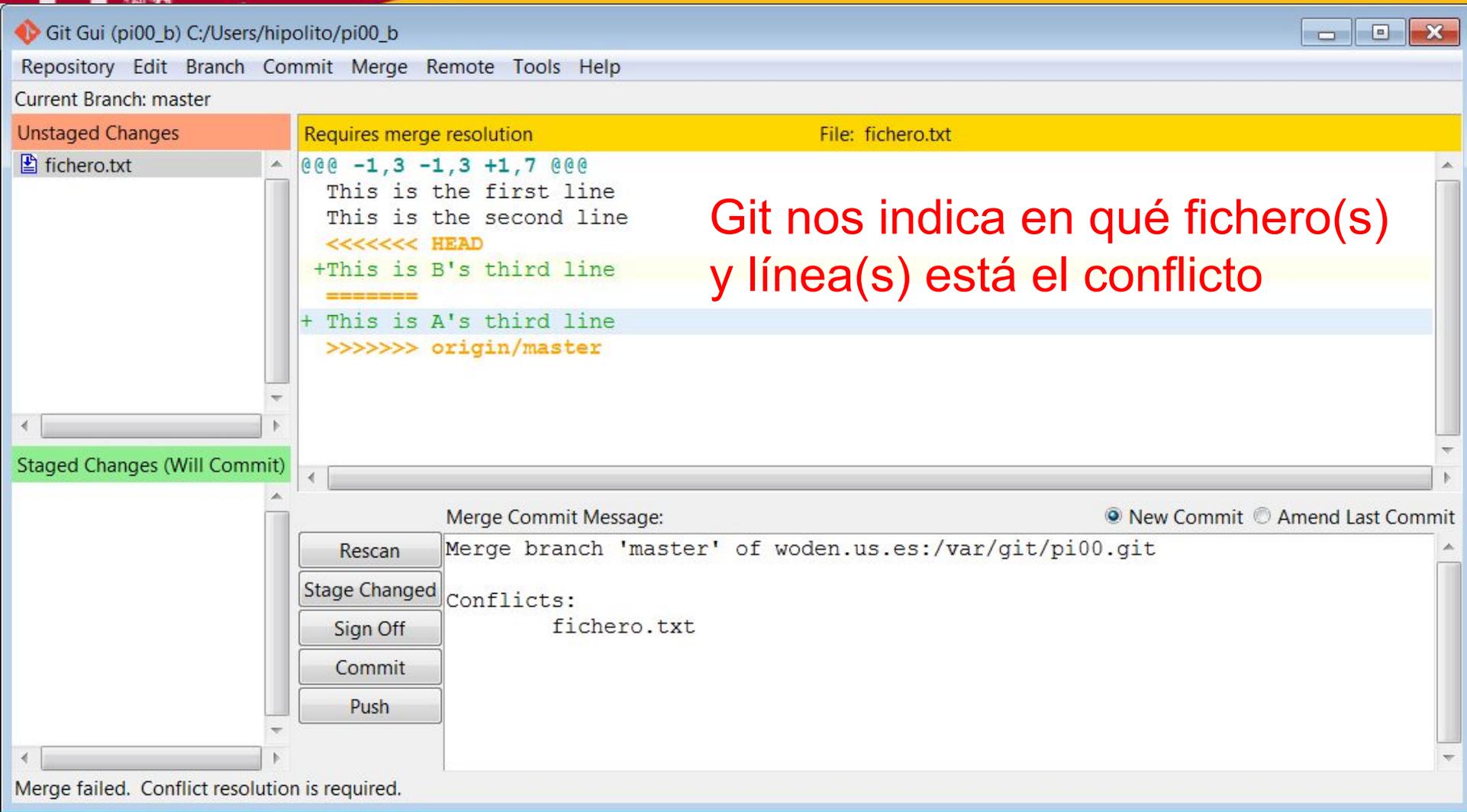


Git Gui (pi00\_b): Merge

```
merge refs/heads/master of woden.us.es:/var/git/pi00.git  
Auto-merging fichero.txt  
CONFLICT (content): Merge conflict in fichero.txt  
Automatic merge failed; fix conflicts and then commit the result.
```

Error: Command Failed

Close



Git Gui (pi00\_b) C:/Users/hipolito/pi00\_b

Repository Edit Branch Commit Merge Remote Tools Help

Current Branch: master

Unstaged Changes

fichero.txt

Requires merge resolution File: fichero.txt

```
@@@ -1,3 -1,3 +1,7 @@@
This is the first line
This is the second line
<<<<<< HEAD
+This is B's third line
=====
+ This is A's third line
>>>>>> origin/master
```

Staged Changes (Will Commit)

Merge Commit Message:  New Commit  Amend Last Commit

Rescan

Stage Changed

Sign Off

Commit

Push

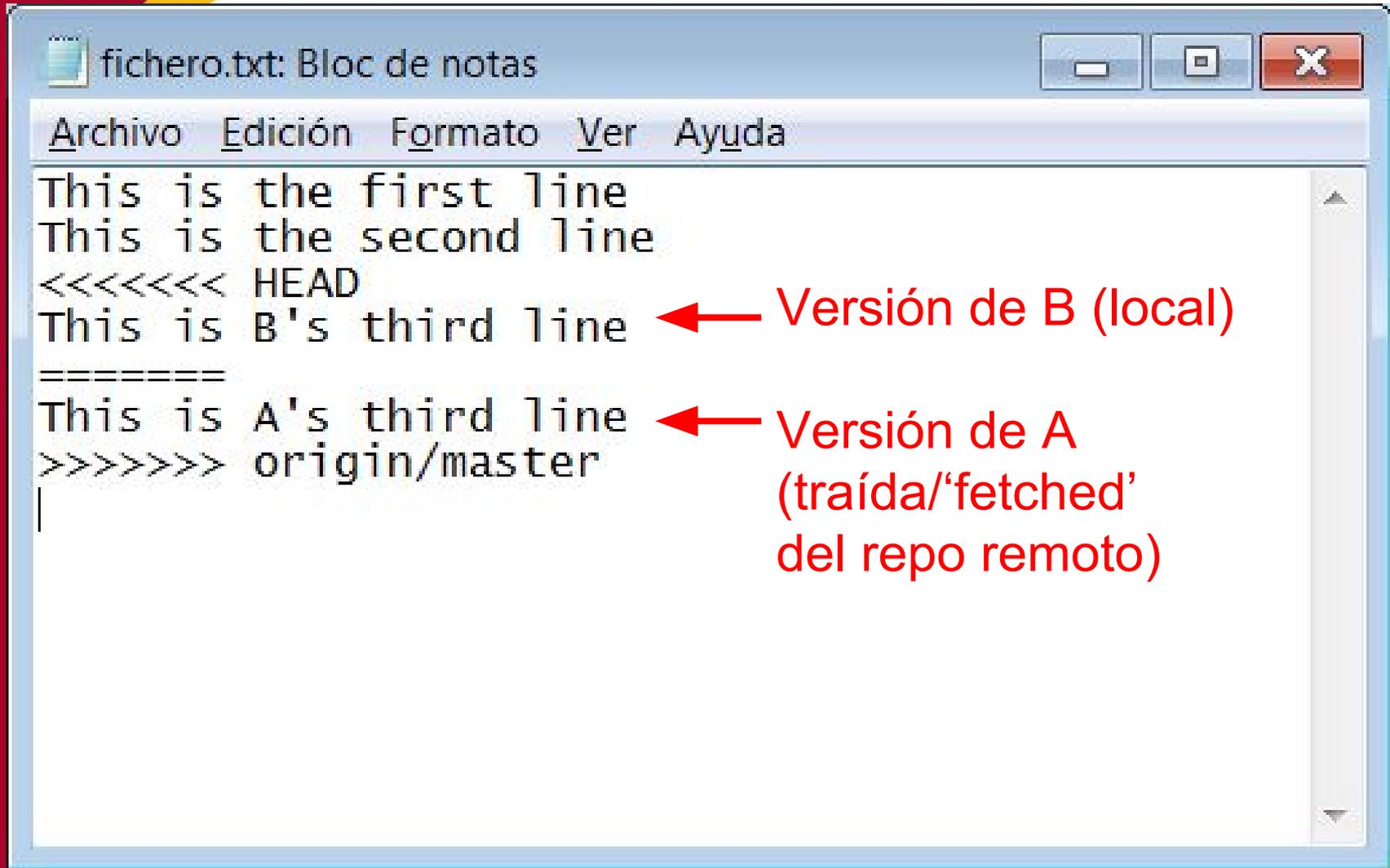
Merge branch 'master' of woden.us.es:/var/git/pi00.git

Conflicts:

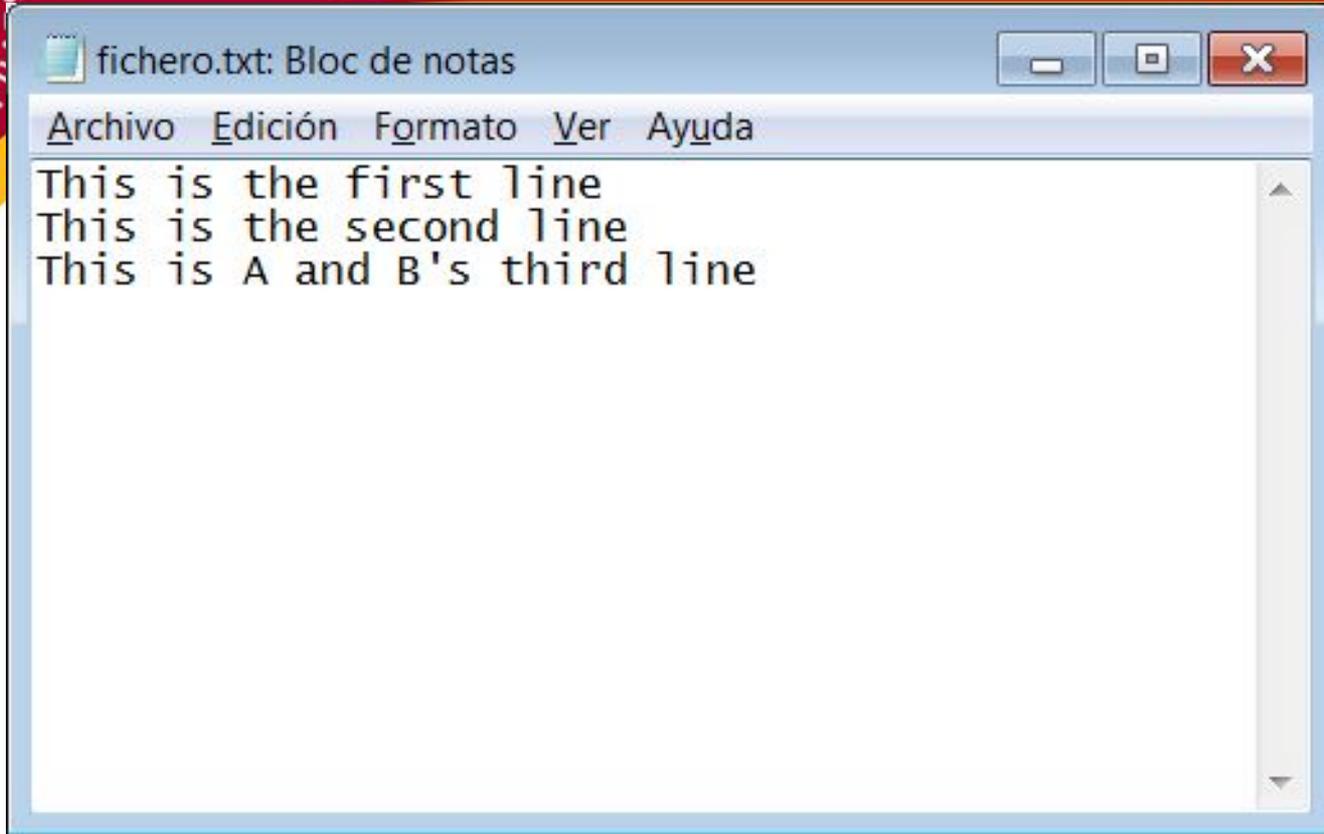
fichero.txt

Merge failed. Conflict resolution is required.

Git nos indica en qué fichero(s) y línea(s) está el conflicto



```
fichero.txt: Bloc de notas
Archivo Edición Formato Ver Ayuda
This is the first line
This is the second line
<<<<<<< HEAD
This is B's third line
=====
This is A's third line
>>>>>>> origin/master
|
```



Solucionamos el conflicto:

- Decidiendo qué versión es la correcta
- Eliminando los caracteres de control (<<, >>, ==)

Git Gui (pi00\_b) C:/Users/hipolito/pi00\_b

Repository Edit Branch Commit Merge Remote Tools Help

Current Branch: master

Unstaged Changes

Requires merge resolution File: fichero.txt

```
@@@ -1,3 -1,3 +1,7 @@@
This is the first line
This is the second line
<<<<<< HEAD
+This is B's third line
=====
+ This is A's third line
>>>>>> origin/master
```

Staged Changes (Will Commit)

Merge Commit Message:  New Commit  Amend Last Commit

Merge branch 'master' of woden.us.es:/var/git/pi00.git

Conflicts:

fichero.txt

Rescan

Stage Changed

Sign Off

Commit

Push

Ready.

Pulsamos 'Rescan' para buscar cambios en el workspace

Git Gui (pi00\_b) C:/Users/hipolito/pi00\_b

Repository Edit Branch Commit Merge Remote Tools Help

Current Branch: master

Unstaged Changes

Requires merge resolution File: fichero.txt

```
@@@ -1,3 -1,3 +1,3 @@@
  This is the first line
  This is the second line
- This is B's third line
-This is A's third line
++This is A and B's third line
```

Staged Changes (Will Commit)

Merge Commit Message:  New Commit  Amend Last Commit

```
Merge branch 'master' of woden.us.es:/var/git/pi00.git
```

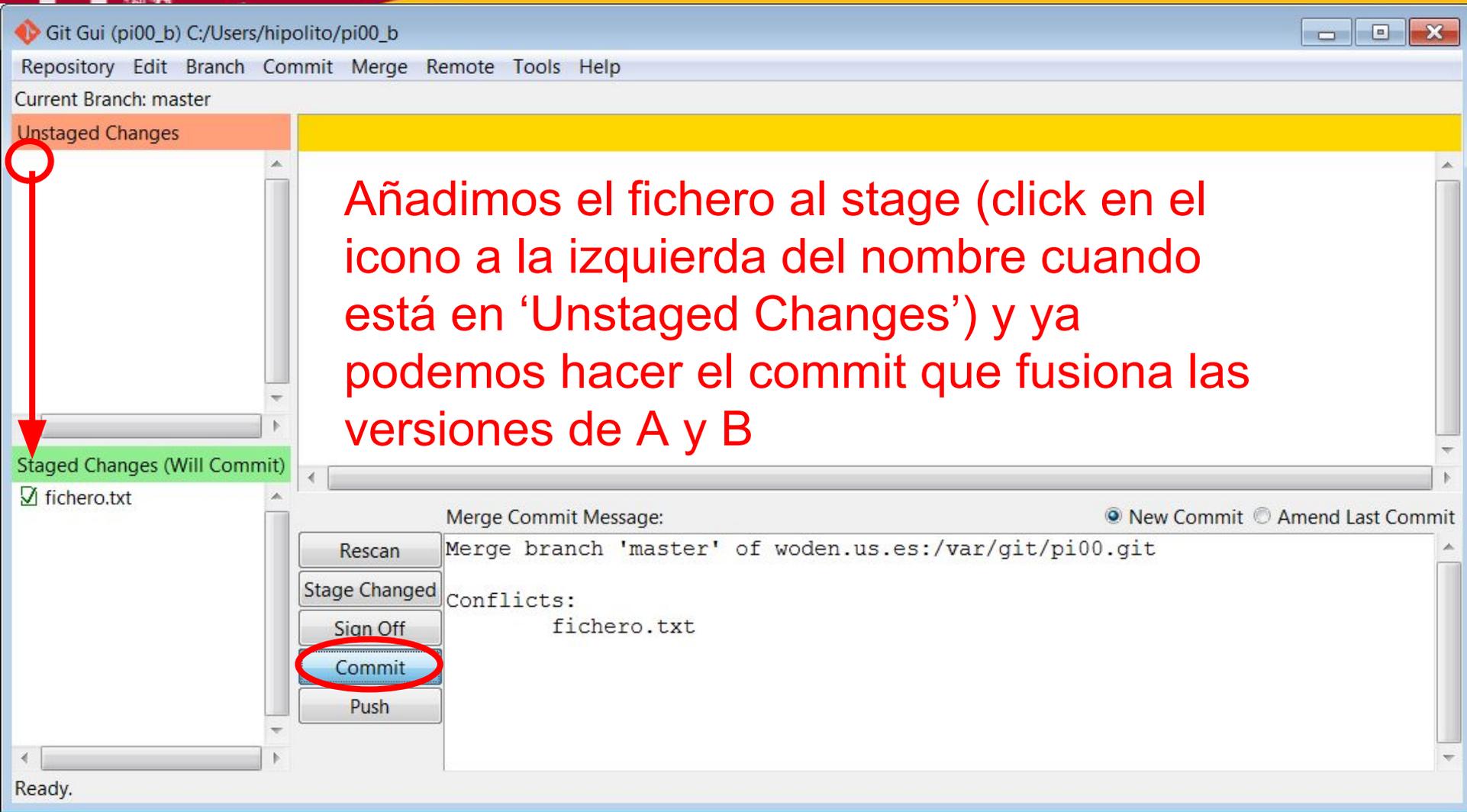
Conflicts:

```
    fichero.txt
```

Rescan  
Stage Changed  
Sign Off  
Commit  
Push

Ready.

Vemos la versión corregida del fichero



Añadimos el fichero al stage (click en el icono a la izquierda del nombre cuando está en 'Unstaged Changes') y ya podemos hacer el commit que fusiona las versiones de A y B

Repository: C:/Users/hipolito/pi00\_b  
Current Branch: master

Unstaged Changes

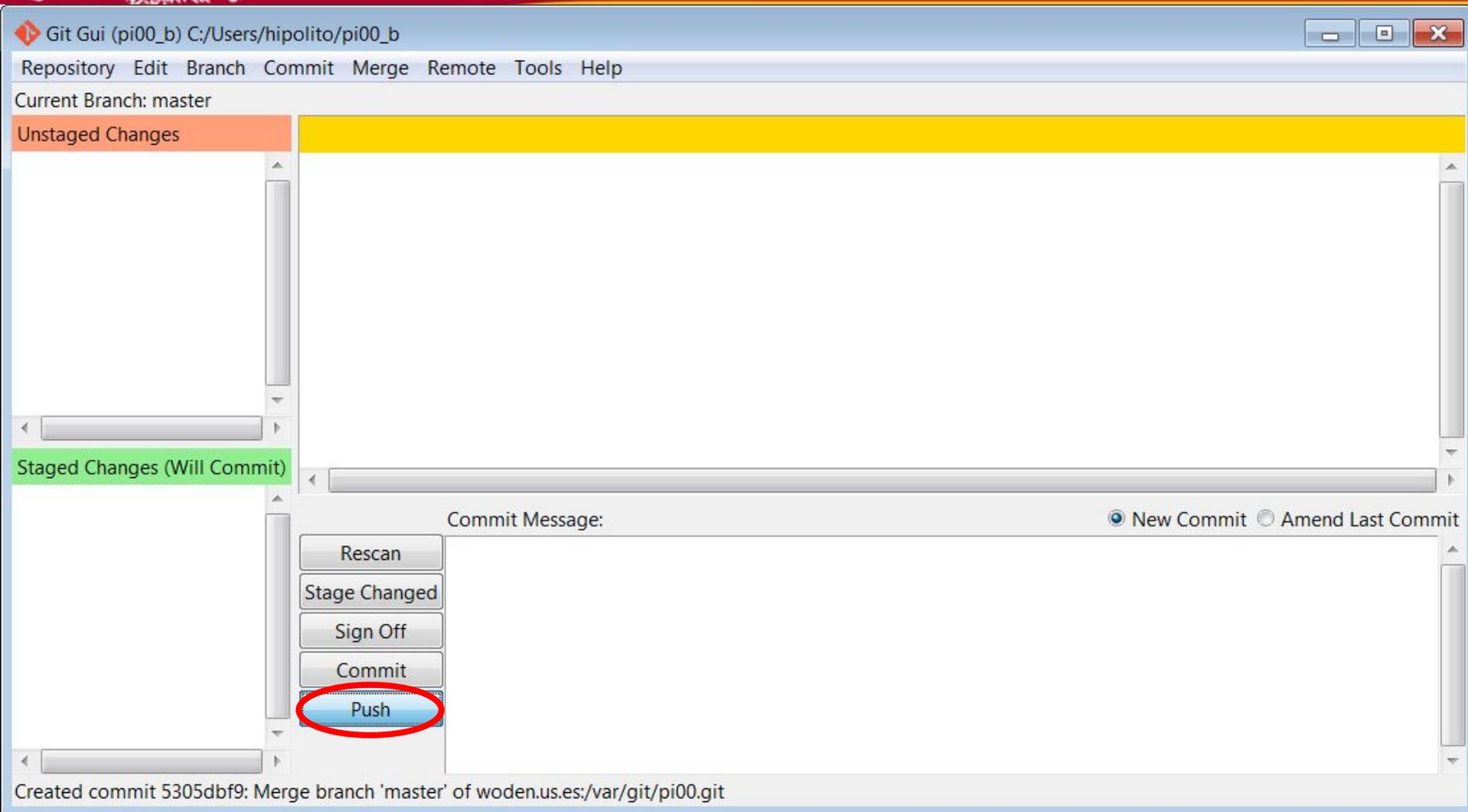
Staged Changes (Will Commit)  
 fichero.txt

Merge Commit Message:  New Commit  Amend Last Commit  
Merge branch 'master' of woden.us.es:/var/git/pi00.git

Conflicts:  
fichero.txt

Buttons: Rescan, Stage Changed, Sign Off, **Commit**, Push

Ready.

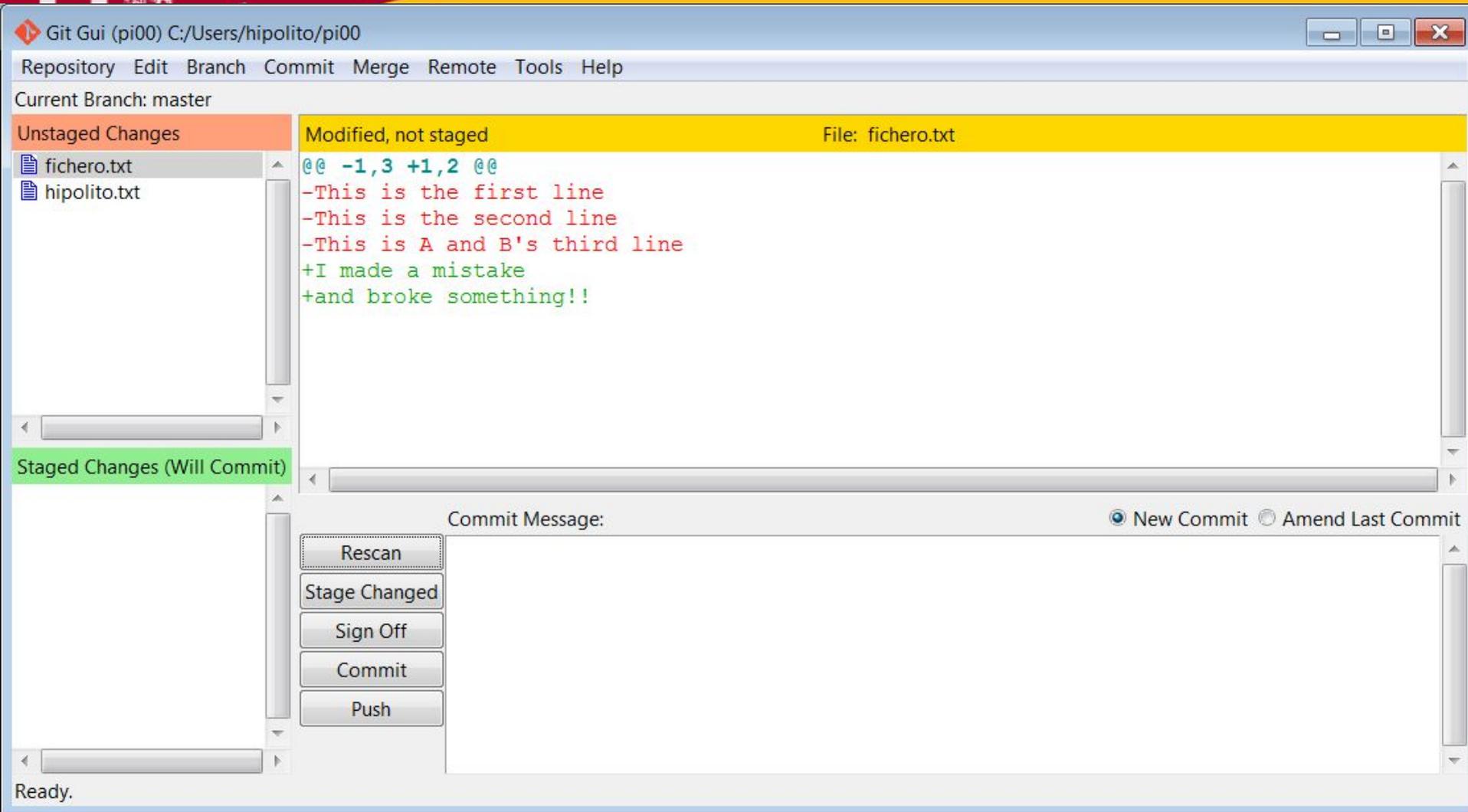


Y ya podemos empujar este nuevo commit al repositorio remoto

# Contenido

- Áreas de git
- Clonar el repositorio
- Configurar git
- Añadir ficheros al stage
- Creando commits
- Push
- Pull = Fetch from origin + Merge local
- Resolución de conflictos
- Revertir errores usando checkout

# Revertir errores usando checkout



The screenshot shows the Git GUI interface for a repository located at C:/Users/hipolito/pi00. The current branch is master. The interface is divided into several sections:

- Unstaged Changes:** A list on the left shows two files: `fichero.txt` and `hipolito.txt`.
- Modified, not staged:** A yellow header for the selected file `fichero.txt`. The content shows a diff with three lines removed (red) and two lines added (green):

```
@@ -1,3 +1,2 @@  
-This is the first line  
-This is the second line  
-This is A and B's third line  
+I made a mistake  
+and broke something!!
```
- Staged Changes (Will Commit):** An empty section below the unstaged changes.
- Commit Message:** A text area for entering a commit message. To the right of this area are radio buttons for  New Commit and  Amend Last Commit.
- Buttons:** A vertical stack of buttons on the left side of the commit message area: Rescan, Stage Changed, Sign Off, Commit, and Push.
- Status:** The bottom left corner shows the status "Ready."

# Revertir errores usando checkout

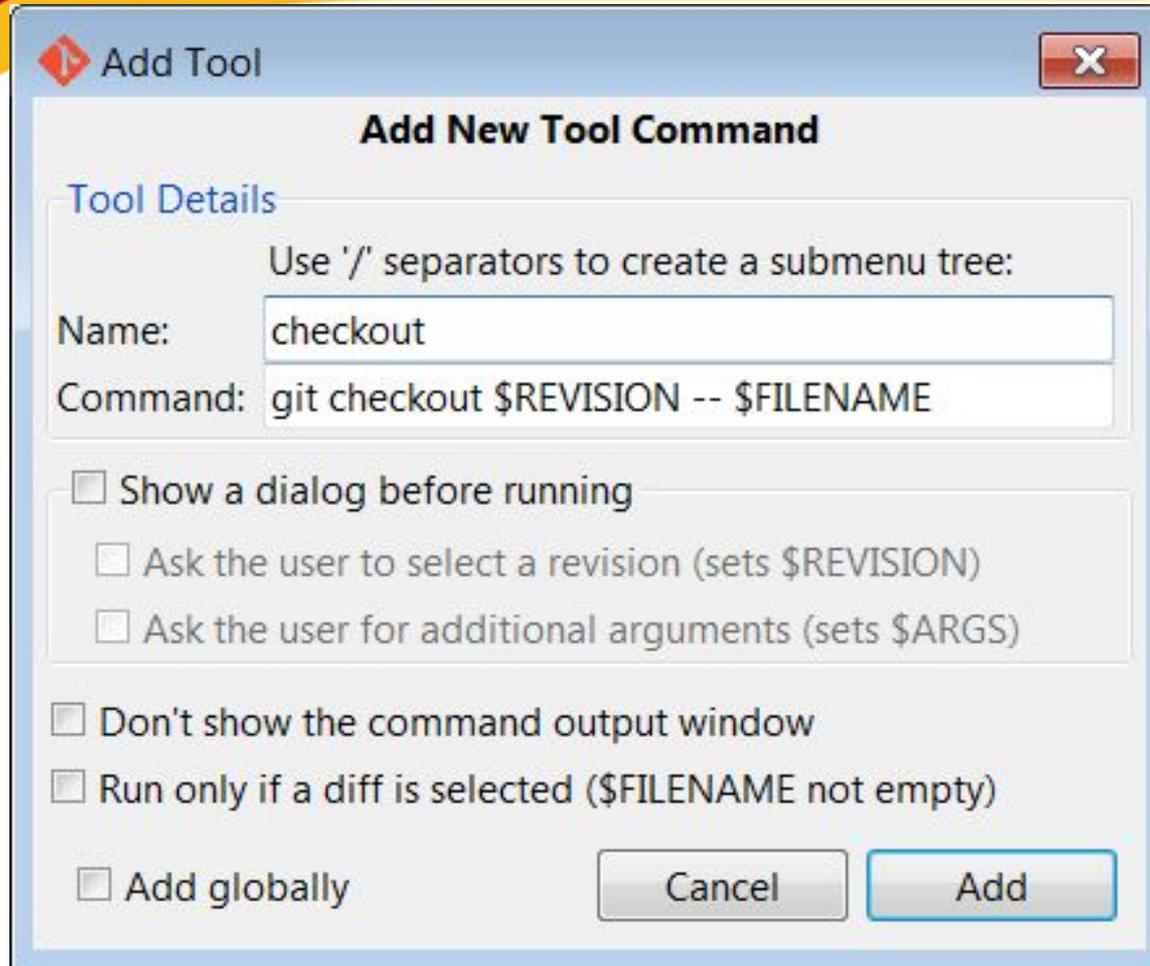
The screenshot shows the Git GUI interface for a repository at C:/Users/hipolito/pi00. The current branch is master. The interface is divided into several sections:

- Unstaged Changes:** A list on the left shows 'fichero.txt' and 'hipolito.txt'. The main area displays a diff for 'fichero.txt' with the following content:

```
@@ -1,3 +1,2 @@  
-This is the first line  
-This is the second line  
-This is A and B's third line  
+I made a mistake  
+and broke something!!
```
- Staged Changes (Will Commit):** This section is currently empty.
- Commit Message:** A text area for entering a commit message, with radio buttons for 'New Commit' (selected) and 'Amend Last Commit'.
- Buttons:** A vertical stack of buttons on the left includes 'Rescan', 'Stage Changed', 'Sign Off', 'Commit', and 'Push'.

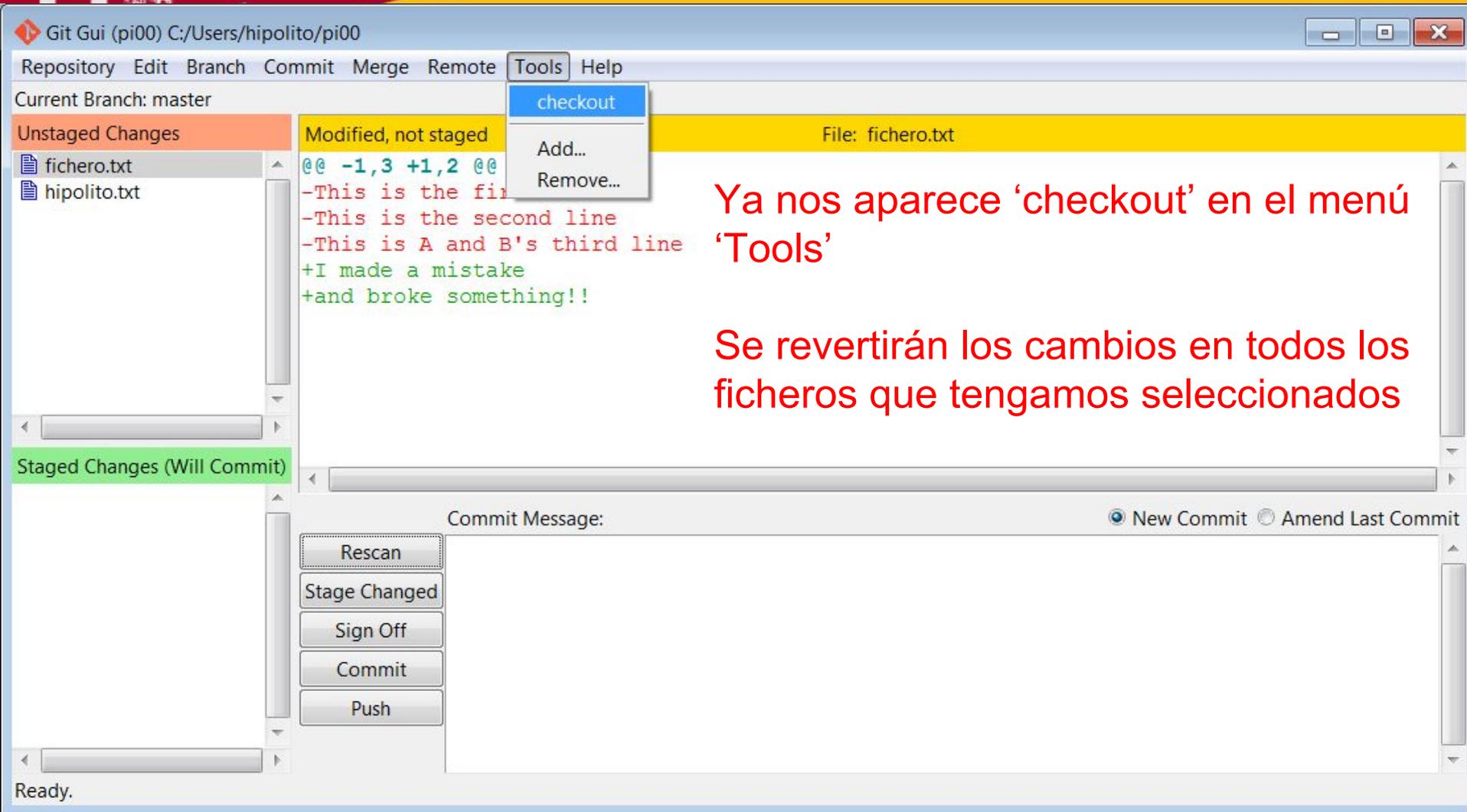
The status bar at the bottom left indicates 'Ready.'.

# Revertir errores usando checkout



(Sólo tenemos que añadir el comando si no lo tenemos de antes)

# Revertir errores usando checkout

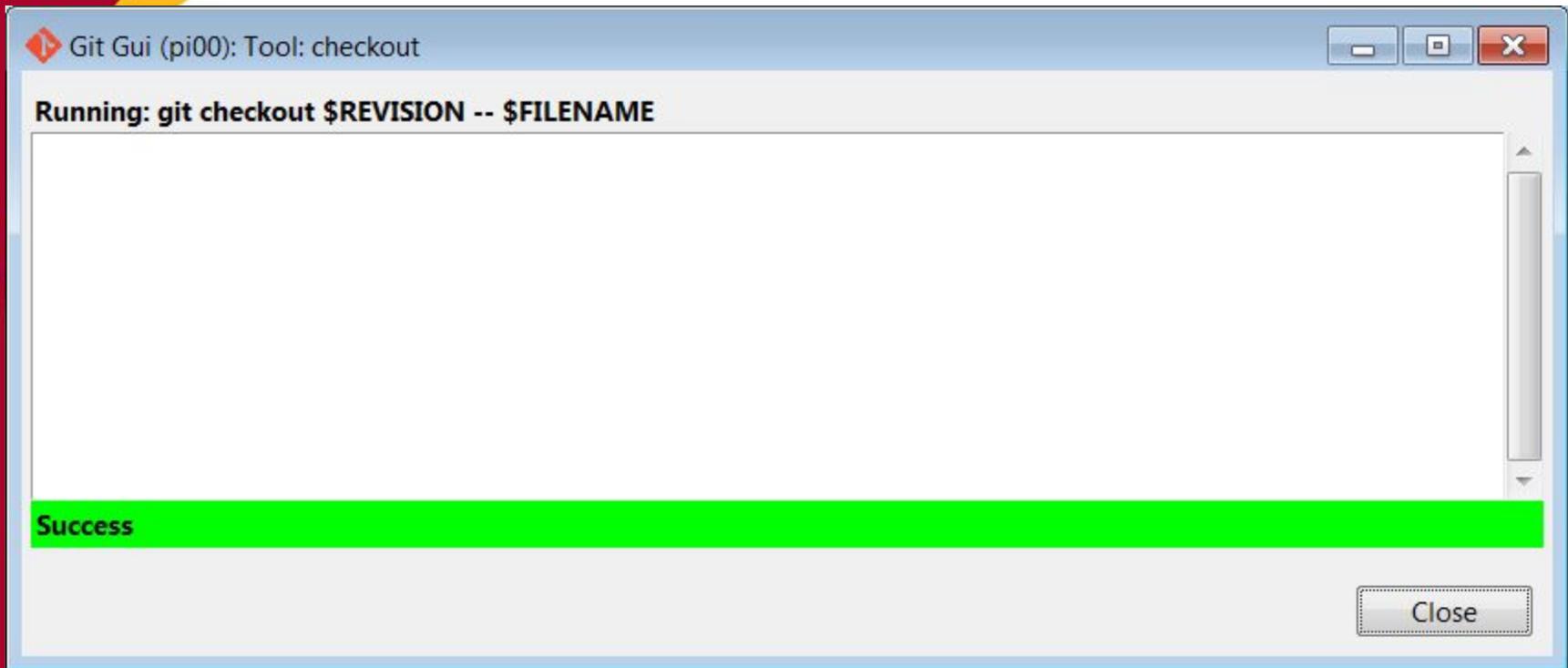


The screenshot shows the Git GUI interface. The 'Tools' menu is open, and the 'checkout' option is highlighted. The current branch is 'master'. The file 'fichero.txt' is selected, and its content is displayed in the main window. The content shows a diff with three lines removed (indicated by red minus signs) and two lines added (indicated by green plus signs). The commit message field is empty, and the 'New Commit' radio button is selected.

Repository: C:/Users/hipolito/pi00  
Current Branch: master  
Unstaged Changes: fichero.txt, hipolito.txt  
Modified, not staged: @@ -1,3 +1,2 @@  
-This is the first line  
-This is the second line  
-This is A and B's third line  
+I made a mistake  
+and broke something!!  
Staged Changes (Will Commit):  
Commit Message:  New Commit  Amend Last Commit  
Buttons: Rescan, Stage Changed, Sign Off, Commit, Push  
Ready.

Ya nos aparece 'checkout' en el menú 'Tools'

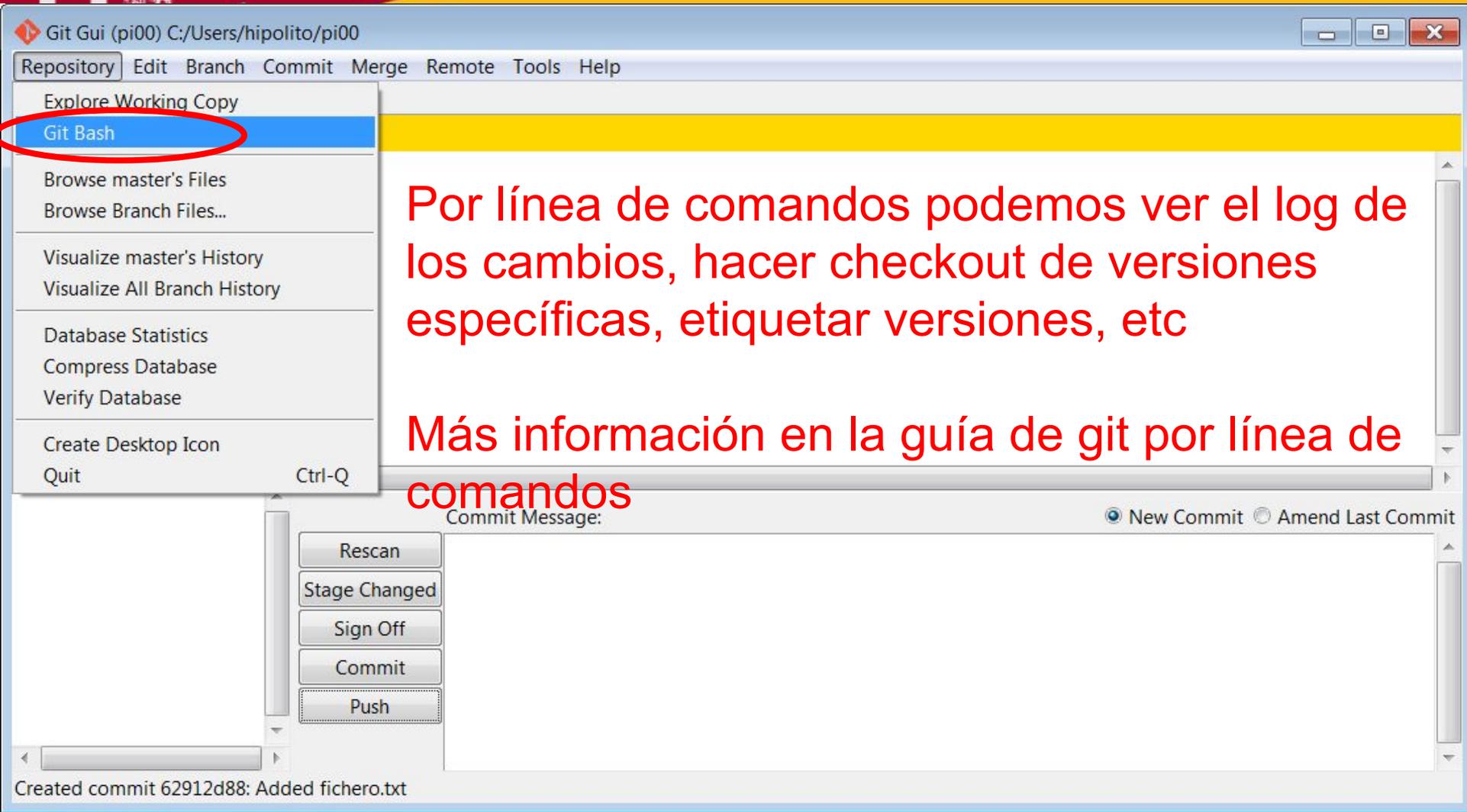
Se revertirán los cambios en todos los ficheros que tengamos seleccionados



Tras esto, los ficheros que hayamos 'checked out' estarán igual que la versión del repo

**Para profundizar**

# Para profundizar



The screenshot shows the Git GUI application window. The menu is open, and 'Git Bash' is highlighted with a red circle. The main area contains red text explaining the benefits of using the command line. At the bottom, there are buttons for 'Rescan', 'Stage Changed', 'Sign Off', 'Commit', and 'Push', along with a commit message field and radio buttons for 'New Commit' and 'Amend Last Commit'. A status bar at the bottom left shows 'Created commit 62912d88: Added fichero.txt'.

Repository | Edit | Branch | Commit | Merge | Remote | Tools | Help

- Explore Working Copy
- Git Bash**
- Browse master's Files
- Browse Branch Files...
- Visualize master's History
- Visualize All Branch History
- Database Statistics
- Compress Database
- Verify Database
- Create Desktop Icon
- Quit

Commit Message:  New Commit  Amend Last Commit

Rescan  
Stage Changed  
Sign Off  
Commit  
Push

Created commit 62912d88: Added fichero.txt

Por línea de comandos podemos ver el log de los cambios, hacer checkout de versiones específicas, etiquetar versiones, etc

Más información en la guía de git por línea de comandos

**Valor... y al repo!**

