

# Guía rápida de Doxygen en modo gráfico

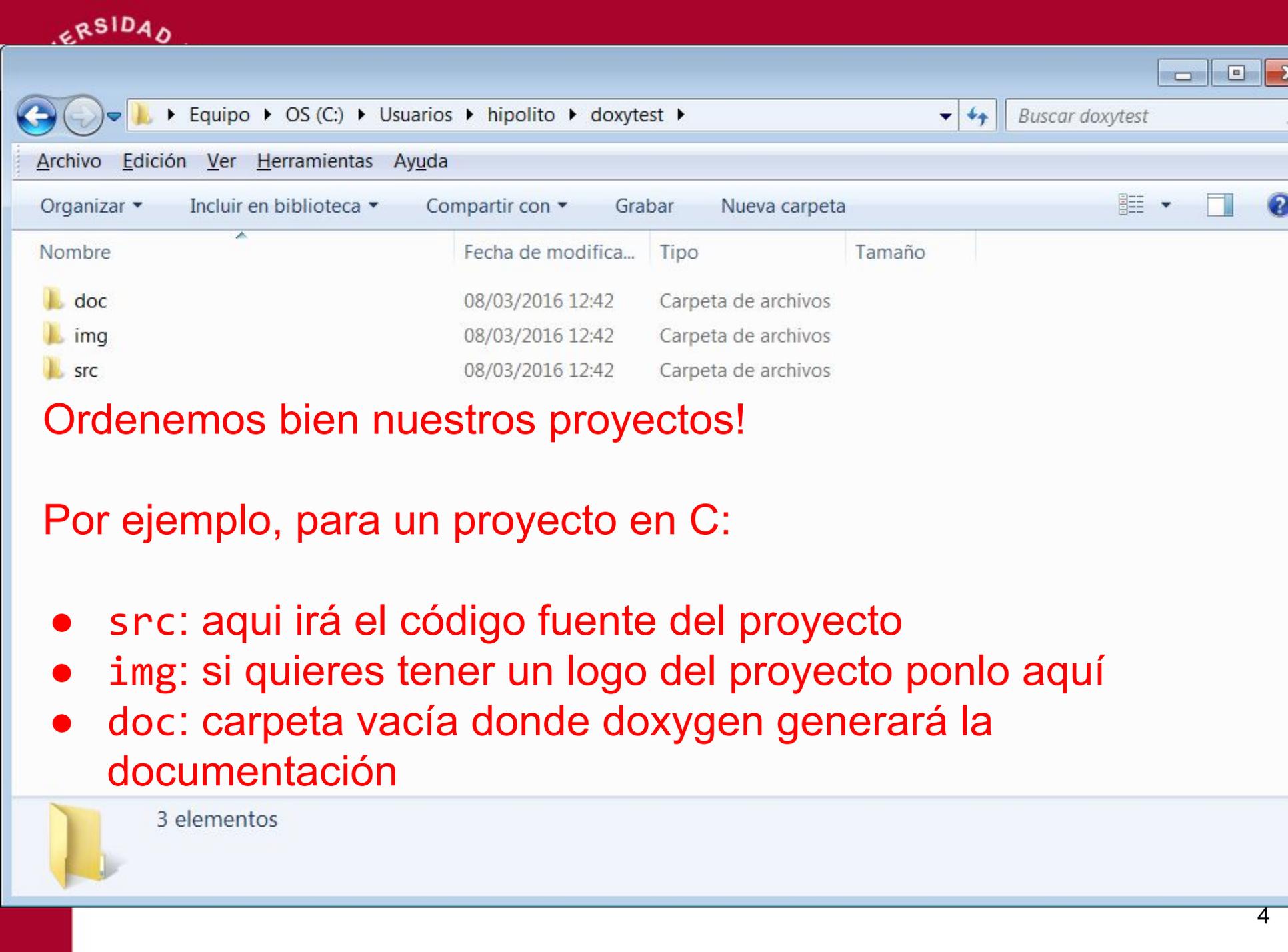
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Universidad de Sevilla

# Contenido

- Organización del proyecto
- Configuración básica de doxygen
- Ejecución
- Guardar y cargar la configuración
- Opciones avanzadas

# Contenido

- Organización del proyecto
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Nombre	Fecha de modifica...	Tipo	Tamaño
doc	08/03/2016 12:42	Carpeta de archivos	
img	08/03/2016 12:42	Carpeta de archivos	
src	08/03/2016 12:42	Carpeta de archivos	

Ordenemos bien nuestros proyectos!

Por ejemplo, para un proyecto en C:

- src: aqui irá el código fuente del proyecto
- img: si quieres tener un logo del proyecto ponlo aquí
- doc: carpeta vacía donde doxygen generará la documentación



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Arrancamos el Doxywizard



Step 1: Specify the working directory from which doxygen will run

C:\Users\hipolito\doxytest

Select...

Step 2: Configure doxygen using the Wizard and/or Expert tab, then switch to the Run tab to generate the documentation

Wizard Expert Run

Topics

- Project
- Mode
- Output
- Diagrams

Provide some information about the project you are documenting

Project name: Hola, Mundo

Project synopsis: Imprime "Hola, Mundo" en pantalla

Project version or id: 0.1

Project logo: Select...



Specify the directory to scan for source code

Source code directory: C:\Users\hipolito\doxytest\src

Select...

Scan recursively

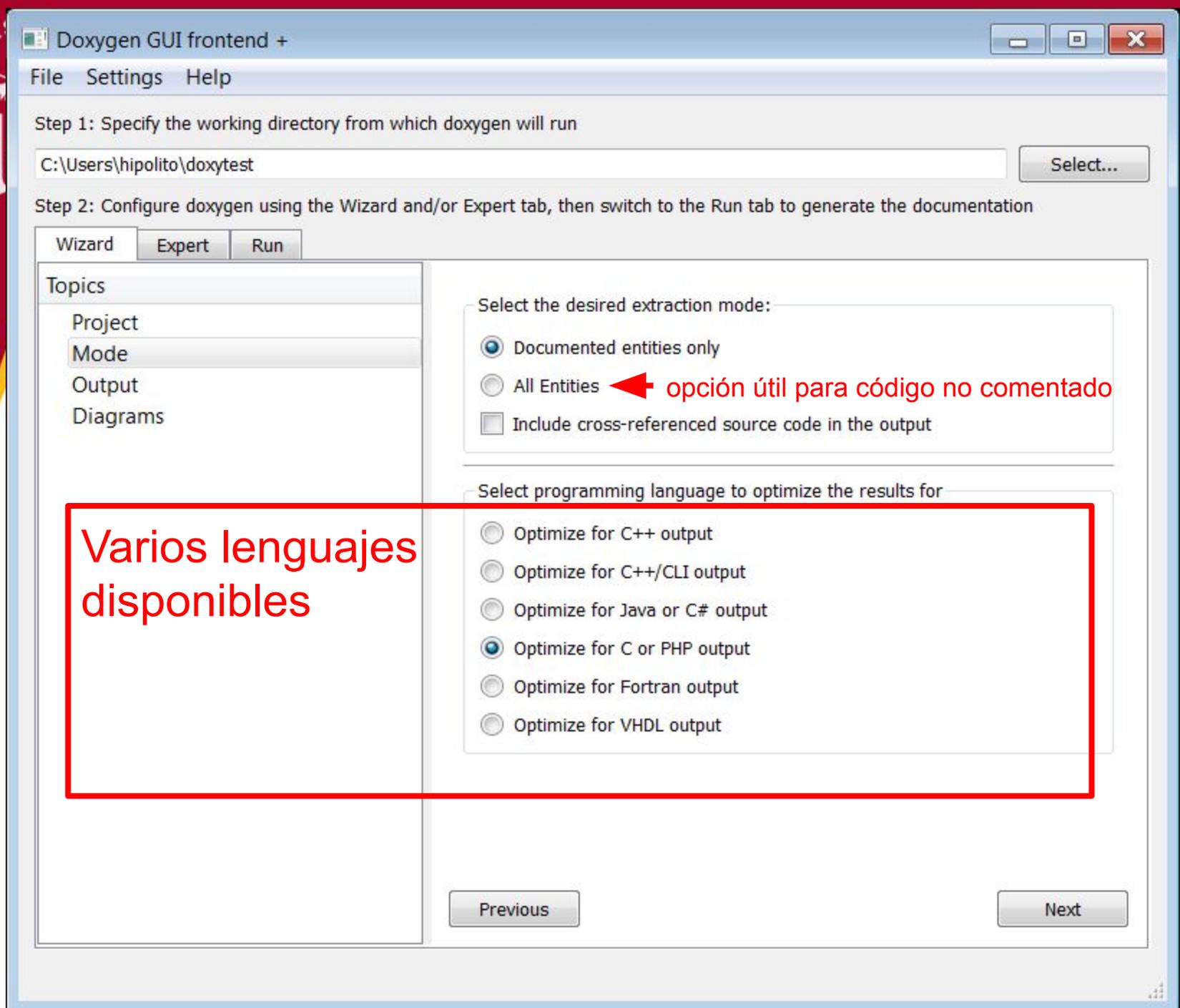
Specify the directory where doxygen should put the generated documentation

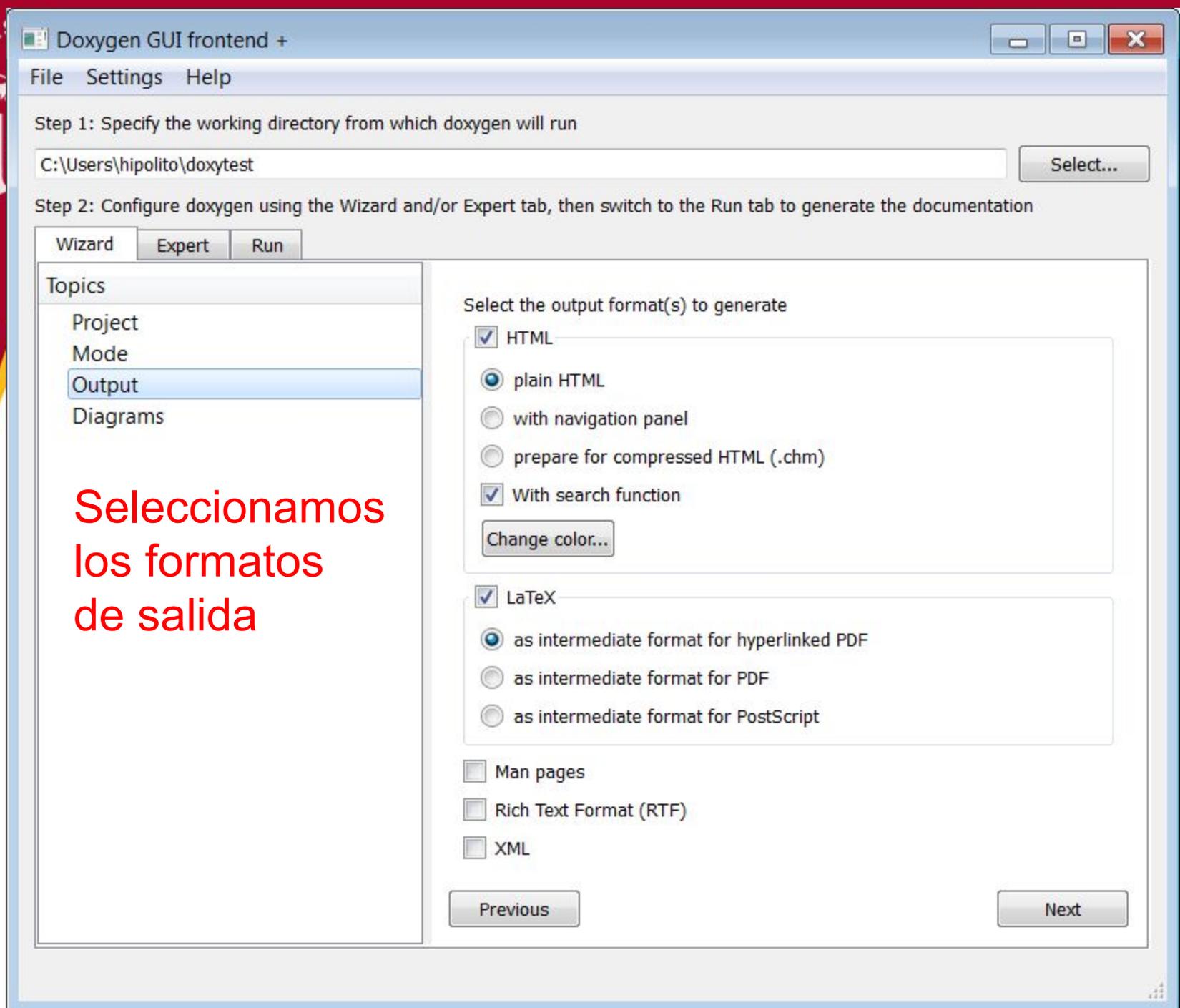
Destination directory: C:\Users\hipolito\doxytest\doc

Select...

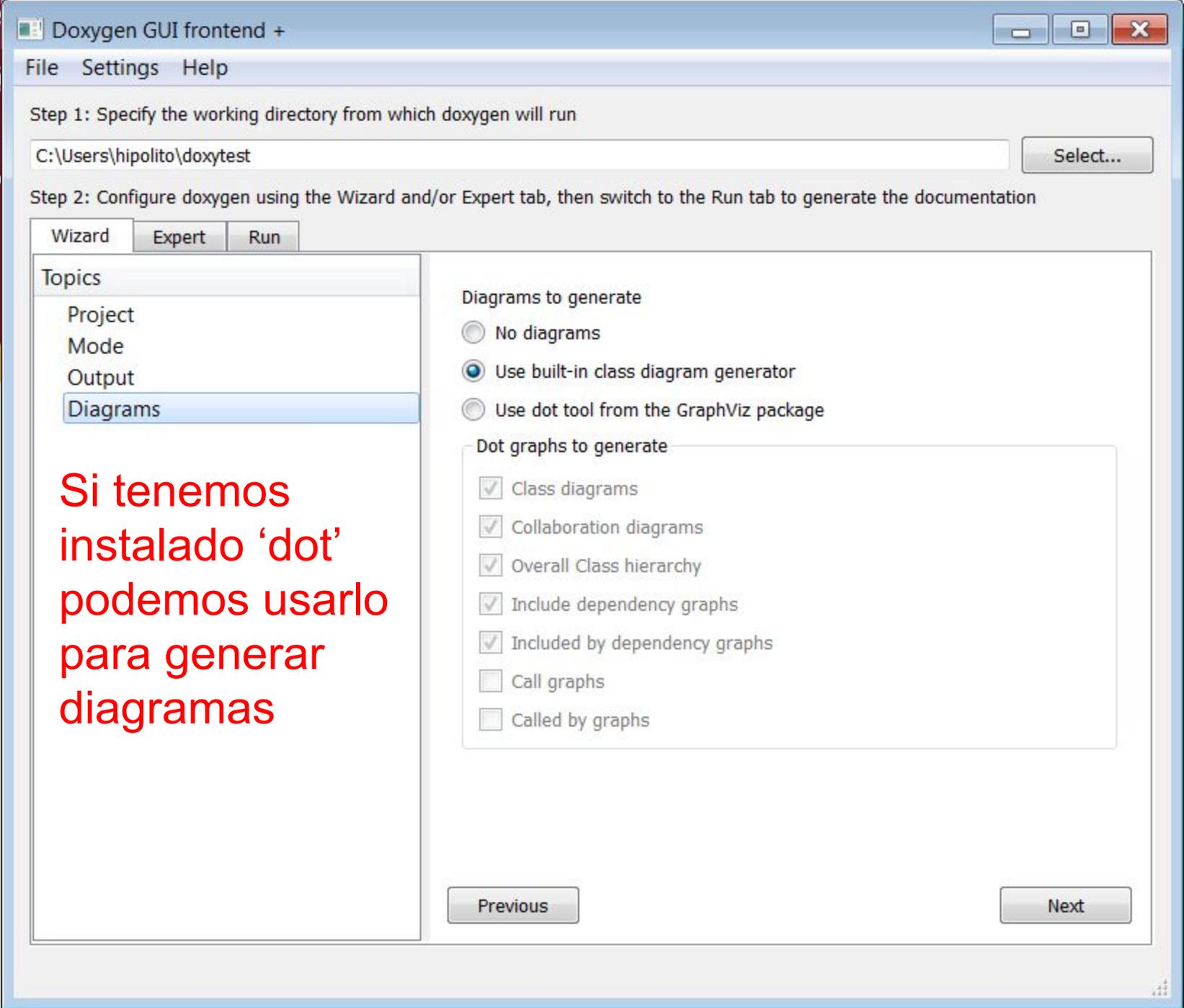
Previous

Next





Seleccionamos  
los formatos  
de salida



Si tenemos instalado 'dot' podemos usarlo para generar diagramas

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Doxygen GUI frontend +

File Settings Help

Step 1: Specify the working directory from which doxygen will run

C:\Users\hipolito\doxytest Select...

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Wizard Expert **Run**

Run doxygen Status: not running Show configuration Save log...

Output produced by doxygen

```
UML_LIMIT_NUM_FIELDS = 10
TEMPLATE_RELATIONS = NO
INCLUDE_GRAPH = YES
INCLUDED_BY_GRAPH = YES
CALL_GRAPH = NO
CALLER_GRAPH = NO
GRAPHICAL_HIERARCHY = YES
DIRECTORY_GRAPH = YES
DOT_IMAGE_FORMAT = png
INTERACTIVE_SVG = NO
DOT_PATH =
DOTFILE_DIRS =
MSCFILE_DIRS =
DIAFILE_DIRS =
PLANTUML_JAR_PATH =
PLANTUML_INCLUDE_PATH =
DOT_GRAPH_MAX_NODES = 50
MAX_DOT_GRAPH_DEPTH = 0
DOT_TRANSPARENT = NO
DOT_MULTI_TARGETS = NO
GENERATE_LEGEND = YES
DOT_CLEANUP = YES
```

Show HTML output



Doxygen GUI frontend (C:/Users/hipolito/doxytest/Doxyfile)

File Settings Help

Step 1: Specify the working directory from which doxygen will run

C:/Users/hipolito/doxytest Select...

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Wizard Expert Run

**Run doxygen** Status: not running Show configuration Save log...

Output produced by doxygen

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Doxygen GUI frontend (C:/Users/hipolito/doxytest/Doxyfile)

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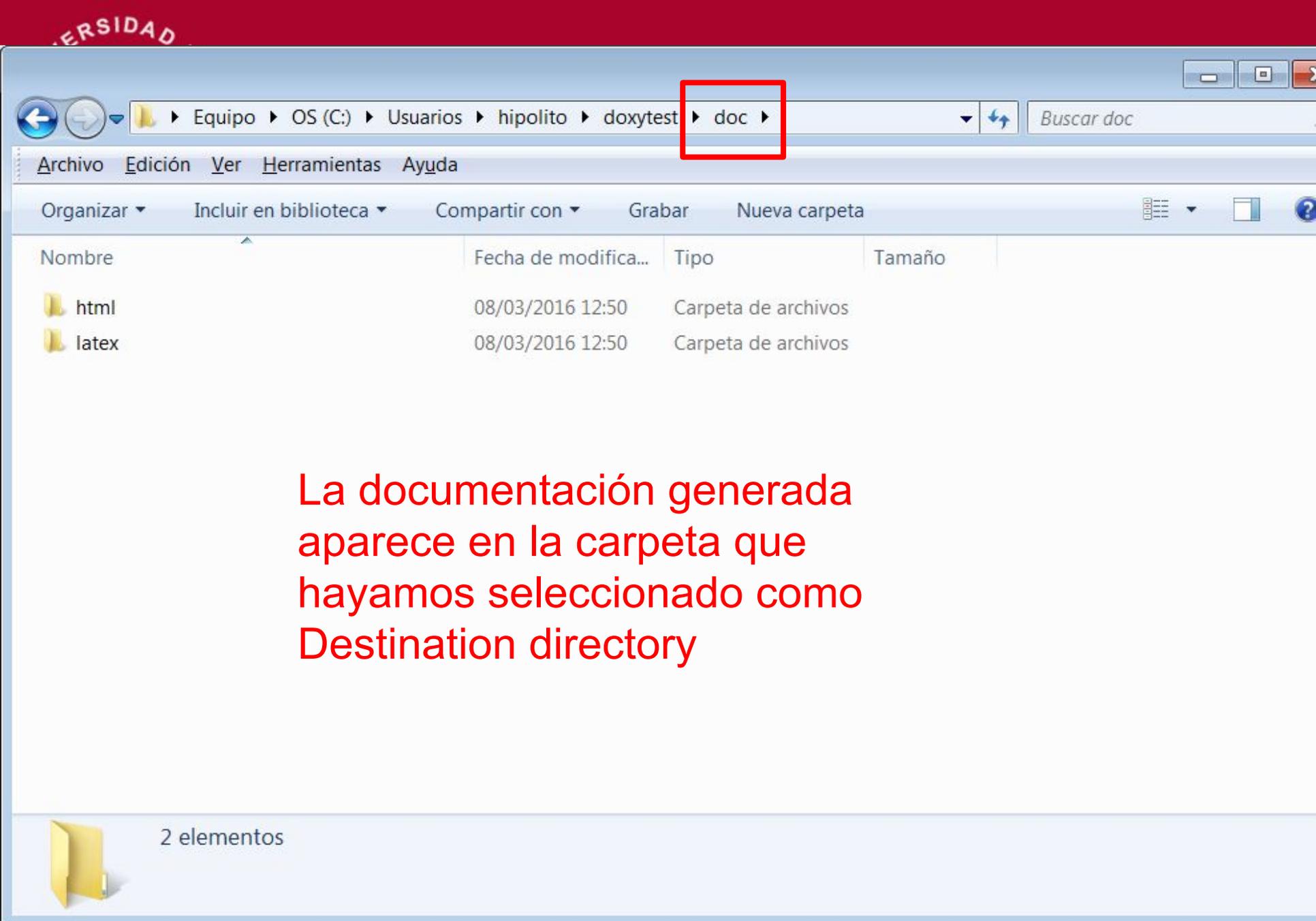
Wizard Expert Run

**Run doxygen** Status: not running Show configuration Save log...

Output produced by doxygen

```
Generating namespace index...
Generating graph info page...
Generating directory documentation...
Generating index page...
Generating page index...
Generating module index...
Generating namespace index...
Generating namespace member index...
Generating annotated compound index...
Generating alphabetical compound index...
Generating hierarchical class index...
Generating member index...
Generating file index...
Generating file member index...
Generating example index...
finalizing index lists...
writing tag file...
lookup cache used 1/65536 hits=1 misses=1
finished...
C:/Users/hipolito/doxytest/src/main.c:20: warning: argument 'void' of command @param is
not found in the argument list of main(void)
*** Doxygen has finished
```

Show HTML output



La documentación generada aparece en la carpeta que hayamos seleccionado como Destination directory



# Hola, Mundo 0.1

Imprime "Hola, Mundo" en pantalla

- Main Page
  - Related Pages
  - Modules**
  - Files
- Search

## Hola, Mundo Documentation



# Hola, Mundo 0.1

Imprime "Hola, Mundo" en pantalla

Main Page

Related Pages

**Modules**

Files

Search

## Modules

Here is a list of all modules:

[detail level 1 2]

▼ Common

**Hola Mundo** Prints "Hola, mundo" in the console

Generated by [doxygen](#) 1.8.11



# Hola, Mundo 0.1

Imprime "Hola, Mundo" en pantalla

Main Page

Related Pages

**Modules**

Files

Search

Functions

## Hola Mundo

Common

Prints "Hola, mundo" in the console. More...

## Functions

int **main** (void)

**main()** function of the program More...

## Detailed Description

Prints "Hola, mundo" in the console.

Extended description goes here

## Function Documentation

int **main** (void)  
**main()** function of the program More...

## Detailed Description

Prints "Hola, mundo" in the console.

Extended description goes here

## Function Documentation

**int main ( void )**

**main()** function of the program

### Parameters

**void** Receives no parameter

### Returns

0, everytime

### Todo:

Translate printed message to English

### Bug:

Text appears in Spanish, should appear in English

En woden.us.es tenéis una carpeta con permisos para subir la documentación de vuestro proyecto:

```
/var/www/html/groups/piNN/
```

Podéis subir la doc usando scp (secure copy) y aparecerá al visitar la página <http://woden.us.es/groups/piNN/>

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Doxygen GUI frontend (C:/Users/hipolito/doxytest/Doxyfile)

File Settings Help

- Open... Ctrl+O
- Open recent
- Save Ctrl+S**
- Save as... Ctrl+Shift+S**
- Quit Ctrl+Q

om which doxygen will run

Select...

Wizard and/or Expert tab, then switch to the Run tab to generate the documentation

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Project synopsis:

Project version or id:

Project logo:  

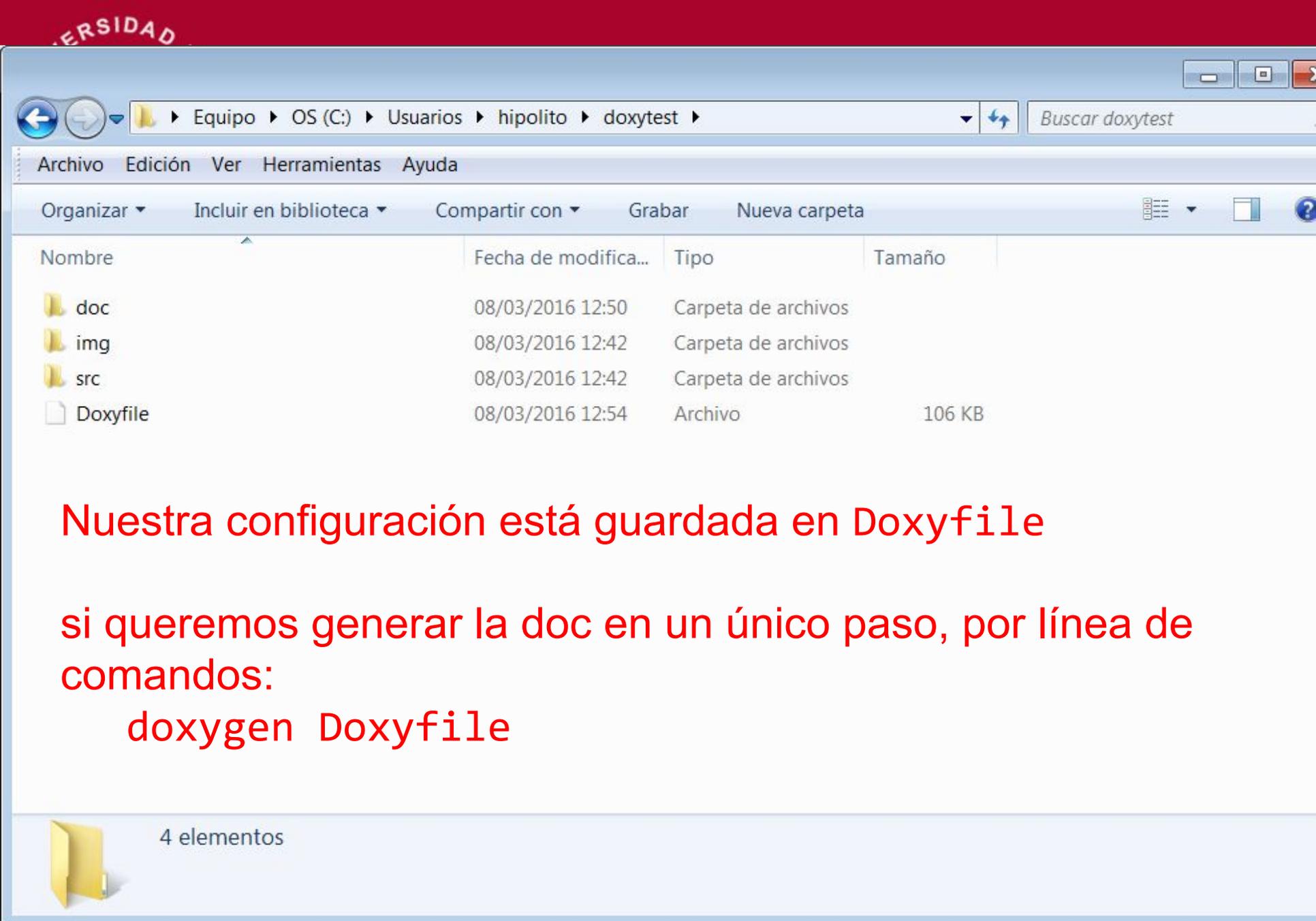
Specify the directory to scan for source code

Source code directory:

Scan recursively

Specify the directory where doxygen should put the generated documentation

Destination directory:



Nuestra configuración está guardada en Doxyfile

si queremos generar la doc en un único paso, por línea de comandos:

```
doxygen Doxyfile
```



Doxygen GUI frontend (C:/Users/hipolito/doxytest/Doxyfile)

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Wizard **Expert** Run

- Topics
- Project
- Build
- Messages
- Input
- Source Browser
- Index
- HTML
- LaTeX
- RTF

**PROJECT\_NUMBER**

The `PROJECT_NUMBER` tag can be used to enter a project or revision number. This could be handy for archiving the generated documentation or if some version control system is used.

Todas las opciones del fichero Doxyfile

DOXYFILE_ENCODING	UTF-8
PROJECT_NAME	Hola, Mundo
PROJECT_NUMBER	0.1
PROJECT_BRIEF	Imprime "Hola, Mundo" en pantalla
PROJECT_LOGO	C:\Users\hipolito\doxytest/img/logoUS.png
OUTPUT_DIRECTORY	C:\Users\hipolito\doxytest\doc
CREATE_SUBDIRS	<input type="checkbox"/>
ALLOW_UNICODE_NAMES	<input type="checkbox"/>
OUTPUT_LANGUAGE	English
BRIEF_MEMBER_DESC	<input checked="" type="checkbox"/>
REPEAT_BRIEF	<input checked="" type="checkbox"/>
ABBREVIATE_BRIEF	<input type="text"/> <span>+ - ↺</span>

Previous

Next