

# E-LEARNING IN PILLS: NEW TOOLS TO ADMINISTER AND ASSIMILATE LIBRARY SERVICES

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## In this work we describe how we created new training models based on special softwares that allow us to:

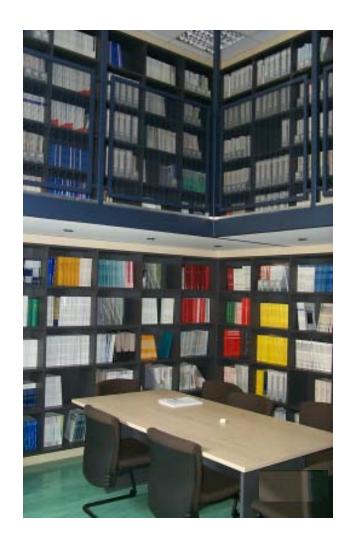
- 1) make short multimedia training presentations.
  These modules will allow the student/researcher to
  follow the teacher's voice via the PC and to see what
  (s)he's describing on the monitor.
- 2) make them accessible on the web and make them always usable in and outside the hospital network.

#### Who are we

- San Matteo Hospital is an Italian public research institute of national preminence.
- Our library is the only 'hospital library' and is the reference point for all the physicians, researchers and nurse staff for their literature research.



- Apart from the traditional library tasks, we also provide <u>training courses</u> for the use of Library Services and the Scientific Databases, such as PubMed, Cochrane Library, Cinhal, Embase, Google Scholar.
- We noticed that for our health-care workers, it was <u>difficult to find time to</u> <u>partecipate to these courses</u>,
- so we decided to create <u>new methods</u> to teach them how to use Scientific Databases and the Library services.



## Why?

- There are too many resources in Internet.
- One limit to the utilization of these resources is that often the methods of investigation of such parent information providers is not intuitive hence they require the knowledge of a certain number of 'tricks' which the researchers, because they have no time to deepen their knowledge, are unable to use.

# What we think a researcher needs to retrieve information (s)he wants?

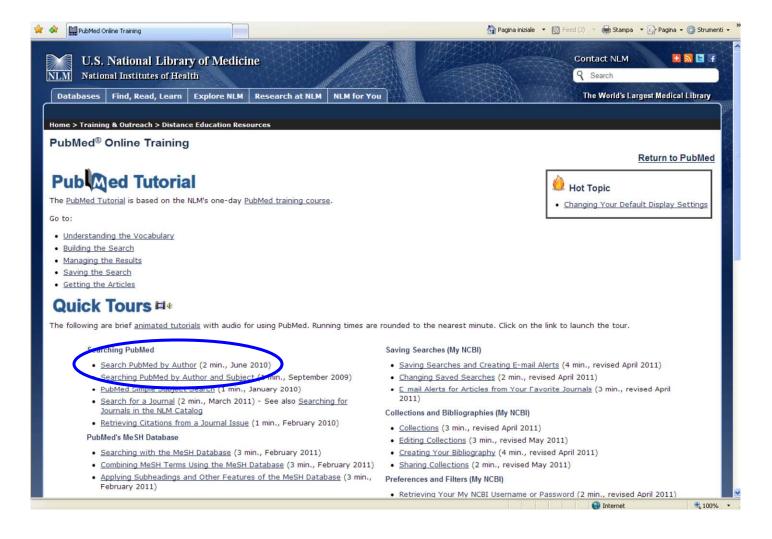
- new educational methods
- alternative teaching methods
- Web 2.0 tools and training tools

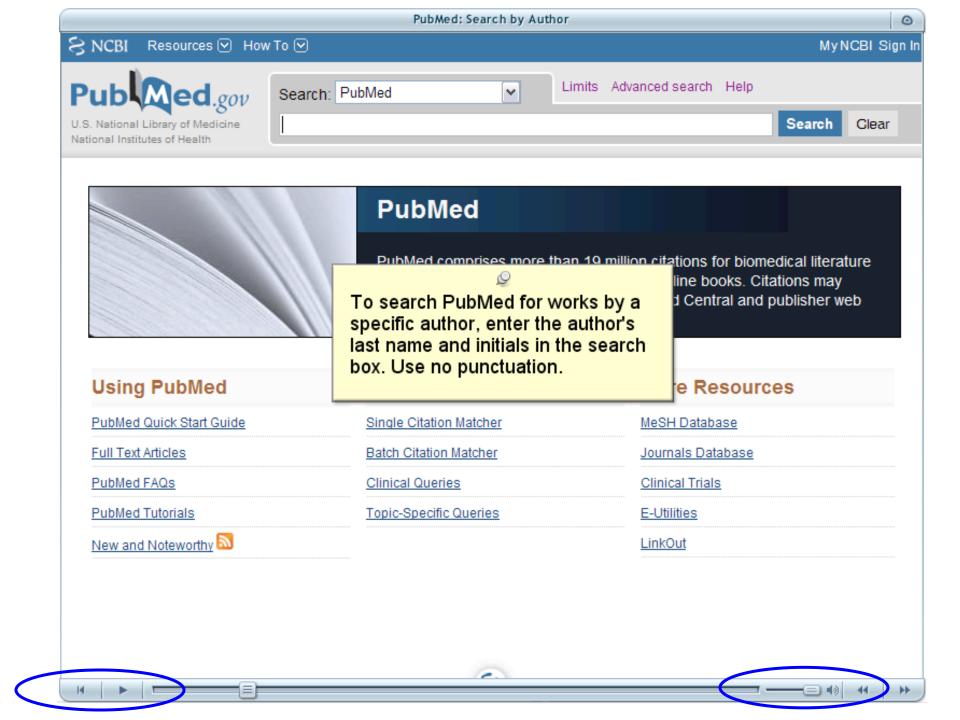
## in the Web 2.0 era

 an interesting idea is that of developing a multimedia teaching method (which would then be <u>reusable by other scientific</u> <u>libraries</u>) in order to transfer its end-users with the appropriate tools necessary for an efficient research-work on literature via biomedical resources.



 Our initial idea originated from PubMed multimedia tutorials which establish an appreciated model to follow to create customized tutorials.





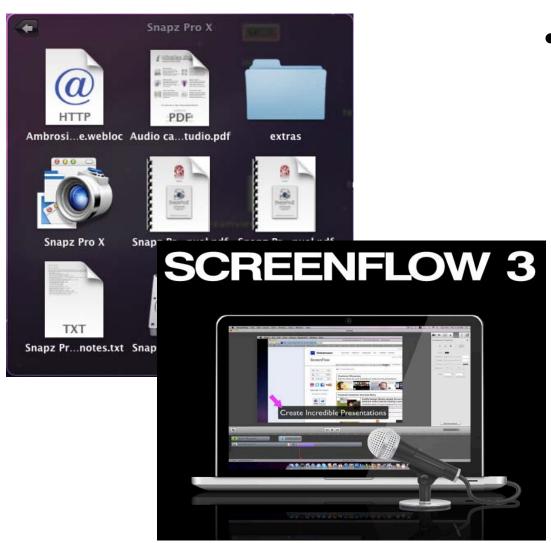
## **Our Tutorials**

- are not intended to substitute existing training programs but rather, to communicate additional and strategic information enhancing the use of tools and resources at our researchers' disposal.
- <u>PubMed tutorials are exclusively in english</u>. Now most health-care workers know basic scientific english but truly only a small number are able to comprehend spoken english. So <u>we have decided to carry out tutorials</u> that are <u>in italian language</u> so that anyone can master bibliographic research, both in our Hospital and in other realities on a wider national level.

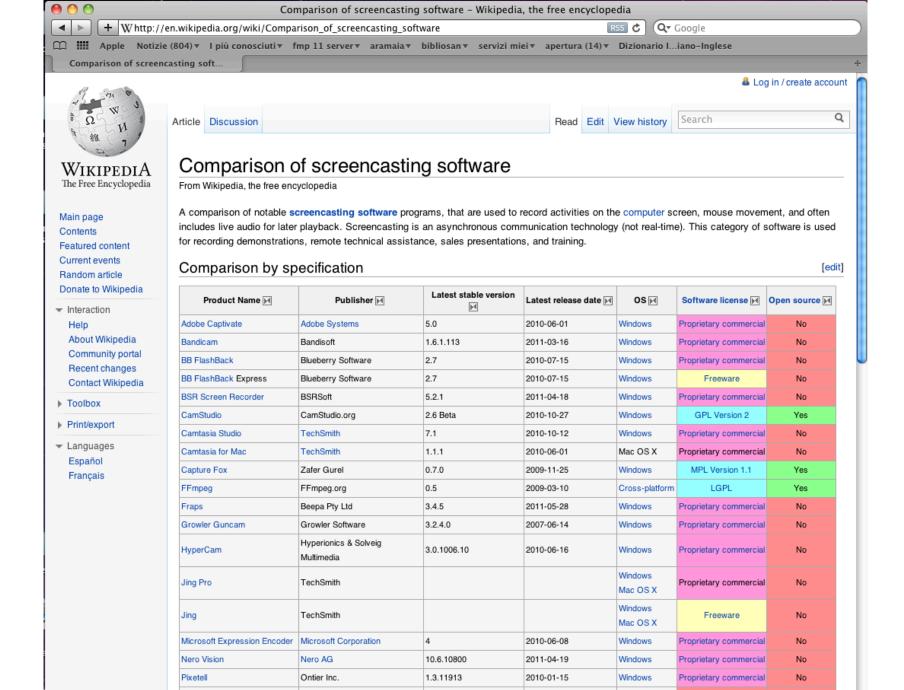
## Resources to create our tutorials

- a personal computer (PC, operating system: windows XP) with loudspeakers and microphone
- a software of video/audio editing which, by synchronizing images and voice.

## Screencasting software



A screencast is a digital recording of computer screen output, also known as a video screen capture, often containing audio narration.
 (wikipedia)



10.0 (118)

2010-03-29

Mac OS X

Part of Mac OS X

Nο

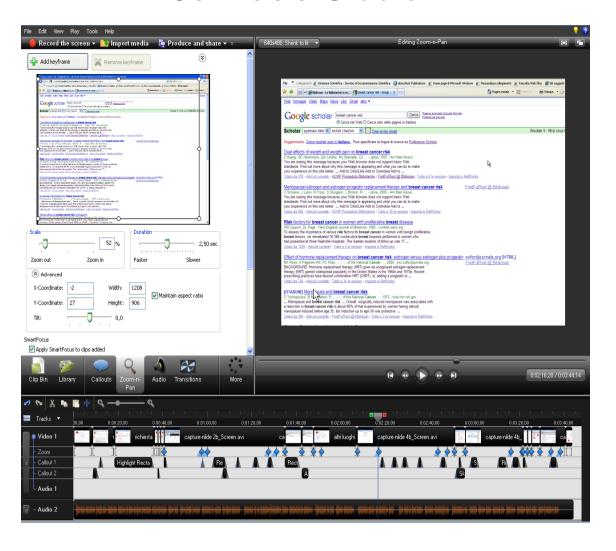
QuickTime X (PRO Version

Only)

Apple Inc.

## The software we utilized

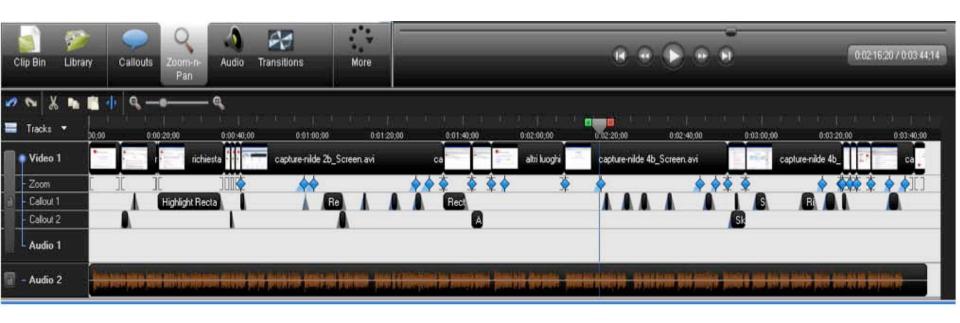
#### Camtasia Studio



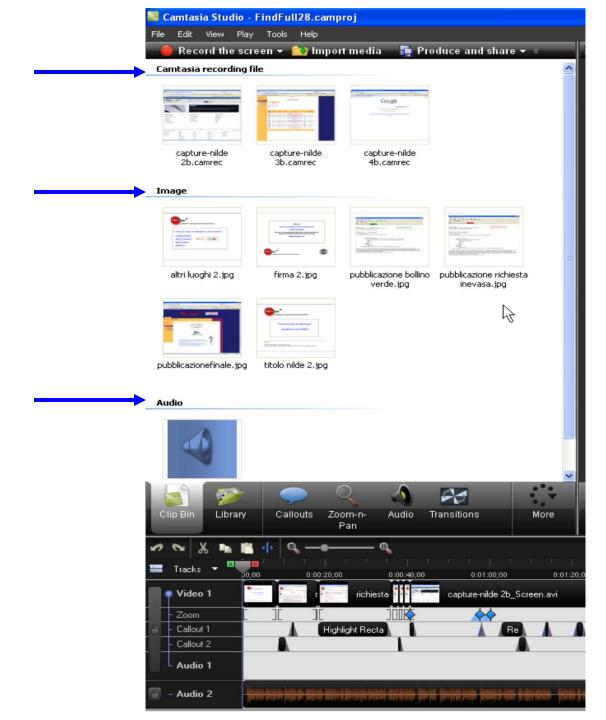
## this program offers the possibility to:

- video screen capture
- insert headings
- insert transition effects
- add audio commentaries
- video-audio syncronization
- insert slides
- insert callouts and comments
- style the editing
- ....other advanced functions

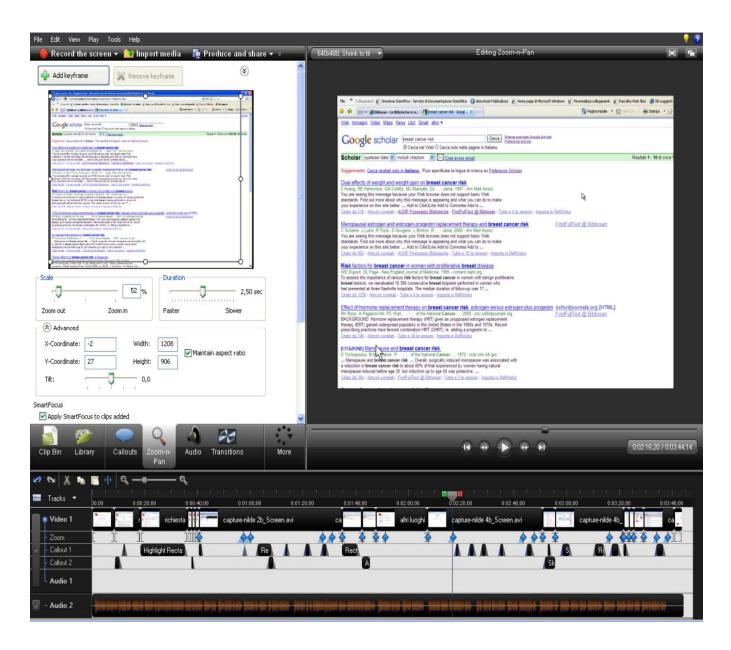
## timeline



## Clip BIN



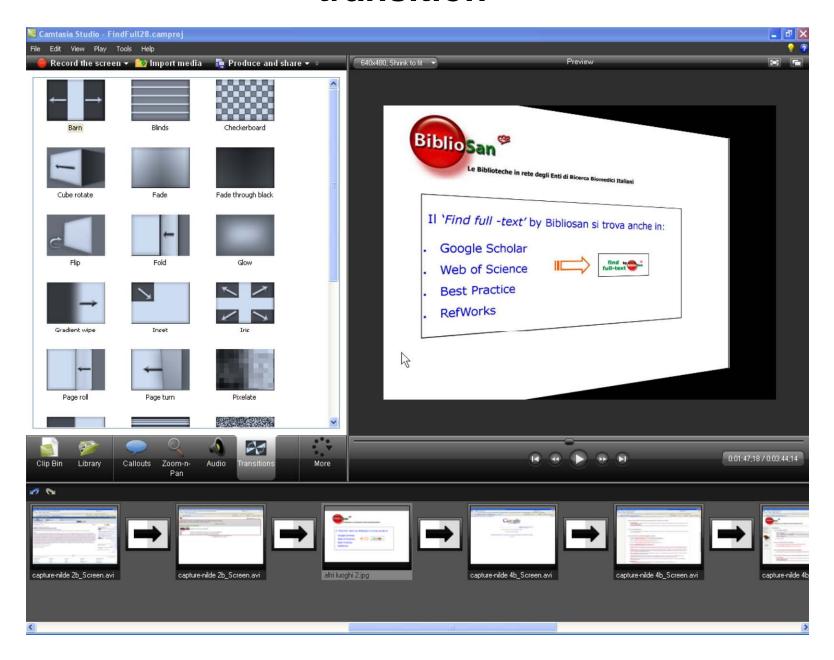
#### zoom



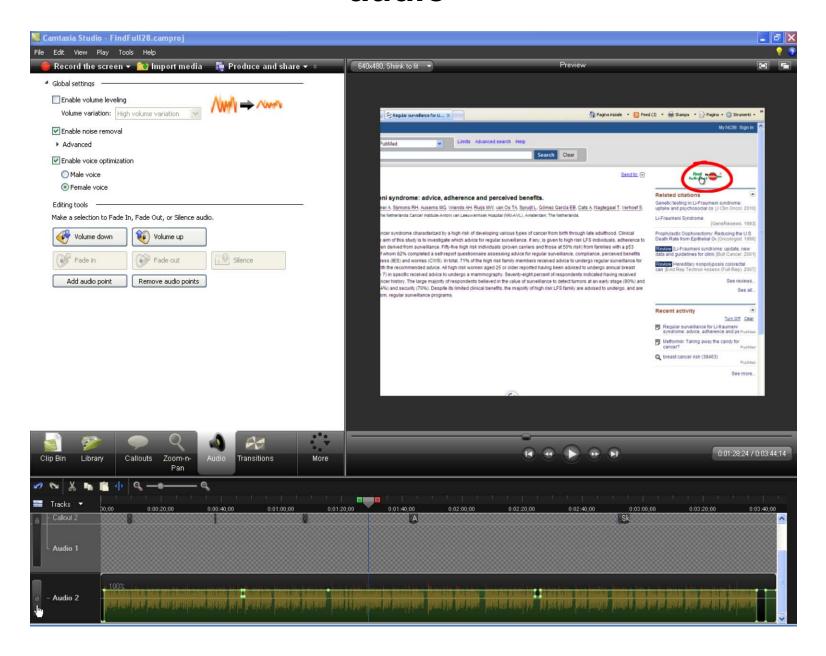
#### call-out cloud



#### transition



#### audio



## once the recording has ended

the tutorial can be published:
on the **web** or included in a **Power Point**presentation or sent via **e-mail** or
recorded in any hardware device (**usb pen, cd, dvd**, etc.)

## difficulties we encountered

- to be concise but thorough and clear in giving information
- to synchronize the audio with the video.

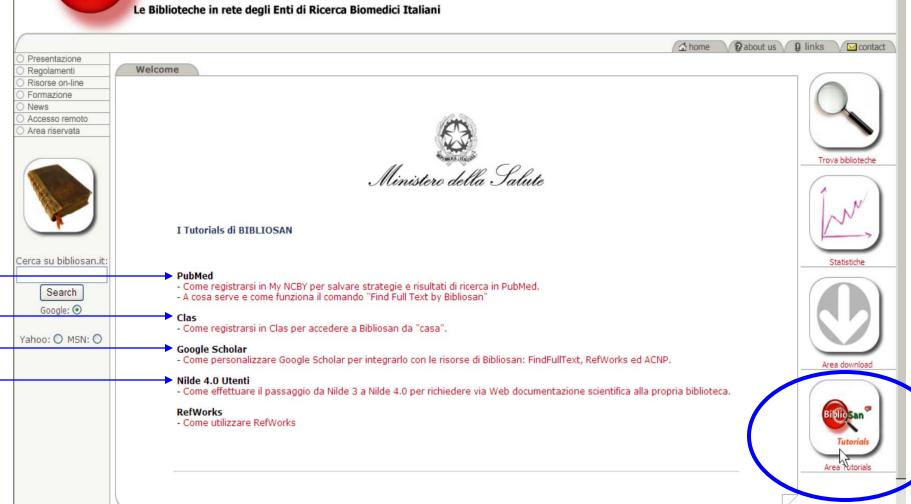
  Thanks to the help of the Audiovisual
  Service, we were able to include an audio
  commentary which hence illustrated and
  explained the images and actions viewed on
  monitor.

## Results

During the last months,

- we realized five tutorials of 2-3 minutes each and
- we made these available on web for the Bibliosan Network (The Library Network of Italian Biomedical Research Institutes).





#### What have we learned?

- Tutorials must be concise (last only a few minutes).
- Tutorials must be simple and straightforward (so it must not assume FAQs).
- Tutorials must be easily readable and comprehensible.
- Tutorials must maximize the exploitation of all multimedia teaching tool potential.

## tutorial problem solving

- A lot of work had to be structured, formulated and set-up before tutorials could be created.
- This meant that also during the phase of their accomplishment, the tutorials were subject to <u>continuing</u> <u>revisions</u>, to ensure that all assets of the software at hand were fully exploited.

## Our experience has been very important

 for those who realized the tutorials for their <u>professional growth</u>

• because it opens to a <u>wide range of</u> <u>possibilities of the use of this tool</u> in the realization of new and upgraded elearning tutorial pills

## Our achievements

- we have had <u>a good feedback from users</u>, who have discovered, thanks to these tutorial pills, the great opportunities, sometimes difficult to detect, that on-line resources give
- we were able to identify a <u>new typology of user</u>, the nurse, for whom we will make specific tutorials customized on their specific training needs
- we have <u>enhanced training quality</u> in researchers

## **Great Expectations**

We expect to have a significant improvement in the accesses to on-line resources globally.

We expect to have more self-sufficent users, future researchers.

