



ELEGANCE: ELECTRONIC LAB NOTEBOOK ON CLOUD— DIGITIZE YOUR EXPERIMENTAL DESIGNS AND RESULTS INTO WISDOM FROM DISCOVERY TO PUBLICATION

電子實驗記錄本之運用與維護



黃智偉 2016/10/27



LAB OF System Biology & Network Biology

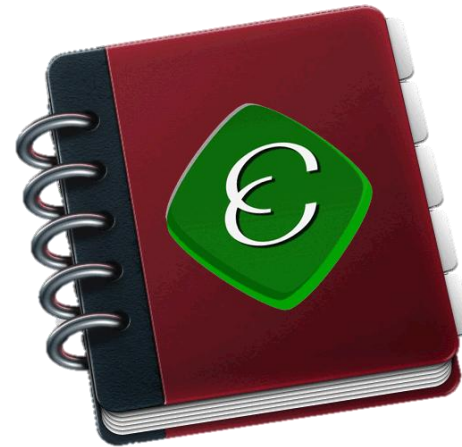
中央研究院資訊科學研究所

@iis, Academia Sinica, TAIWAN

系統生物學與網路生物學實驗室

OUTLINE

- ✓ **Motivations**
- ✓ **Introduction**
- ✓ **Interface**
- ✓ **Use ELN**
 - ✓ Lab member
 - ✓ Project leader
 - ✓ Site manager
- ✓ **How to install?**
- ✓ **ELN service control**
- ✓ **Future Work**



MOTIVATIONS (1/2)

實驗室所產生的各類資料

儲存到雲端或個人電腦中

可在各種隨身設備上讀取修改



All information
generated by Lab
members



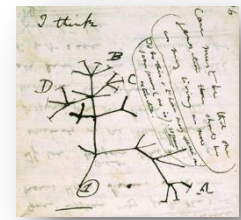
Migrate ELN to
Cloud as multi-
lab platform



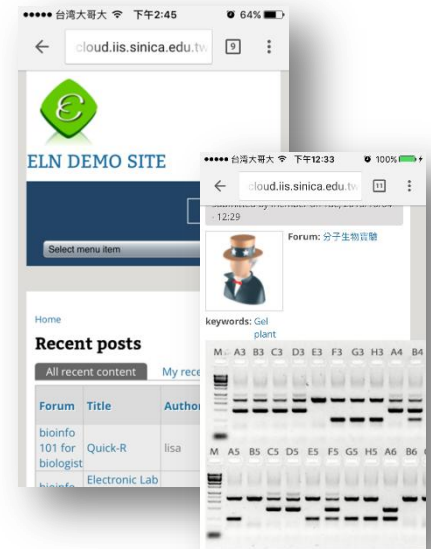
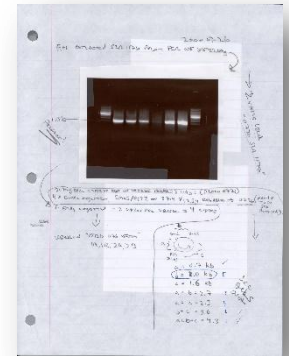
Re-editing and
Mining by Various
Devices

MOTIVATIONS (2/2)

From Charles Darwin's "B" Notebook, 1837.



- Easy to install with smooth learning curves
- Open Source
- Digitalize
- Searching completely, Sharing for multiuser
- Audit trails and change logs with CFR21 part 11
- User friendly, easy control
- Security, Password administration
- Knowledge reconstruction
- Repository for ideas and knowledge
- All contents in one Portal



SIMPLIFIES ACHIEVING 21 CFR PART 11 COMPLIANCY

For reference only

Title 21 CFR Part 11 is the part of Title 21 of the Code of Federal Regulations that establishes the United States Food and Drug Administration (FDA) regulations on electronic records and electronic signatures (ERES). Part 11, as it is commonly called, defines the **criteria under which electronic records and electronic signatures are considered trustworthy, reliable, and equivalent to paper records** (Title 21 CFR Part 11 Section 11.1 (a))

Record retention

Audit trails

Validation

Electronic document (or Data)
Management System (EDMS)

Electronic Resource (or Records)
Management System (or Software)(ERMS)



For reference only

/ Typical Auditor Checklist – 21 CFR Part 11

- Adequate Quality System - 11.10
- Adequate SDLC and System Maintenance SOPs including:
 - Software Development Lifecycle - 11.10 (k)
 - Computer System Validation - 11.10 (a)
 - Change Control - 11.10 (k)
 - Configuration Control – 11.10 (k)
 - Data Backup and Restoration – 11.10 (b), (c)
 - Logical & Physical Security – 11.10 (d),(g),(h)
 - System Administration & Maintenance (k)
 - Disaster Recovery and Business Continuity (b)
 - Defect Management 11.10 (k)



WHERE PEOPLE + PROCESSES + TECHNOLOGY CONNECT

INTRODUCTION

INTRODUCTION (1/4)

Using web page to digitalize and show your thoughts & data




























The screenshot shows the ELN Demo Site interface. The top navigation bar includes 'Logout', 'Forum', 'Calendar', 'Create Forum Post', 'Create event', and 'Photo Gallery'. The main content area is titled 'Forum' and contains a table of forum topics.

Forum	Topics	Posts	Last post
Lab Bulletins			
一般公告, 常用資料, 表單, 安全資料, 型錄等			
實驗室安全	0	0	n/a
Protocols			
分子生物實驗	0	0	n/a
細胞培養	0	0	n/a
Research Projects			
有關於研究計畫的工...			
My Project			
My Project 2			
Co-project 1			

An inset window shows a detailed view of a forum post titled 'Quick-R'. The post content includes a heatmap visualization and a bar chart titled 'Who Survived the Titanic?'. The heatmap shows data points in blue and red, and the bar chart compares survival rates across different categories.

INTRODUCTION (2/4)

PLN vs. ELN

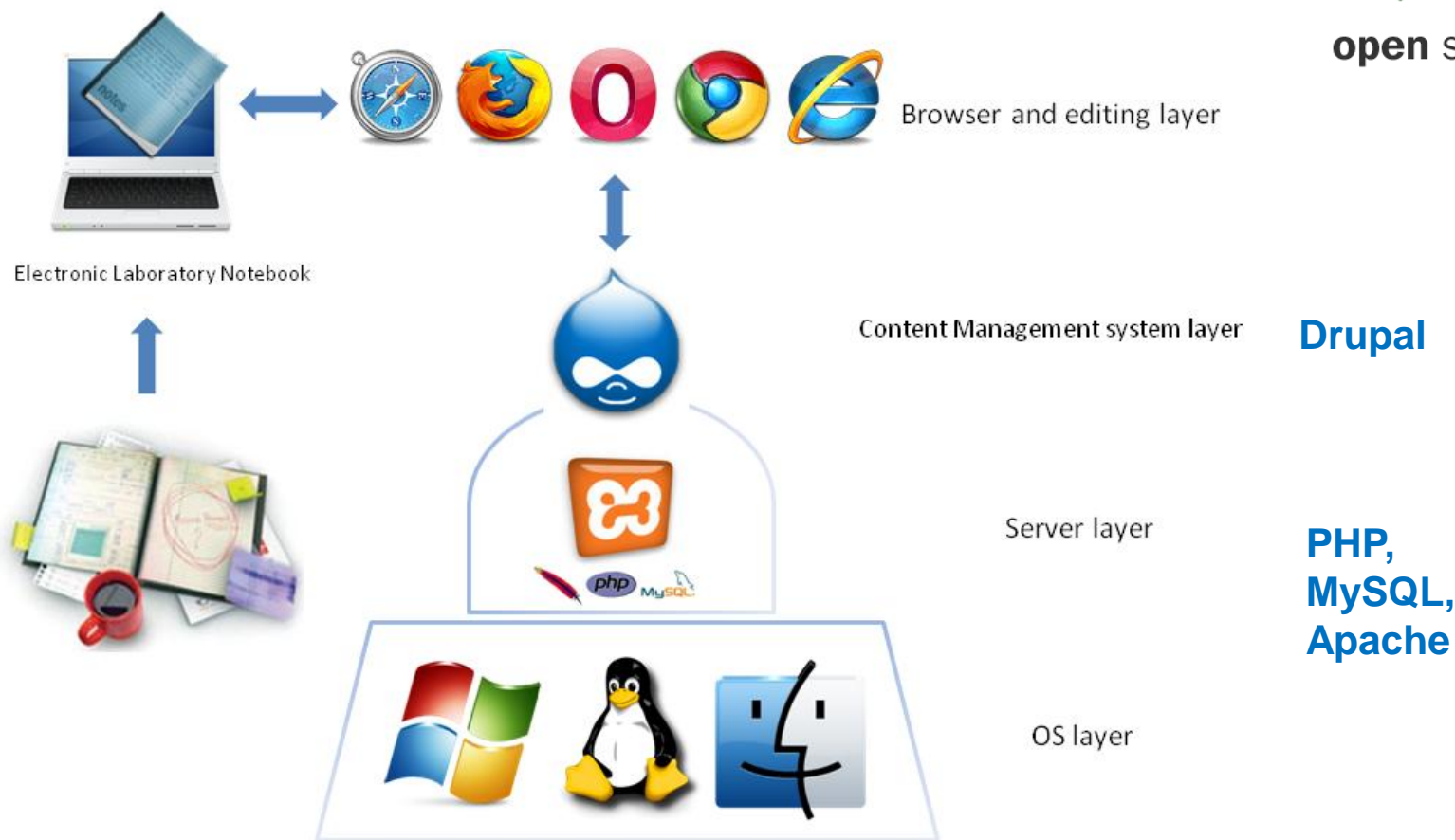
	Paper Lab notebook (PLN)		ELN	
Use	Easy		User-friendly interface	
Read	Handwriting can be problematic		Easy	
Annotation	Possible but space limitations		Easy	
Modify	Difficult		Easy	
Links within the pages	Unavailable		Just inserting hyperlinks	
Search	Reading page by page		Easy	
Sort	Unavailable		Sort by date, title, author...	
Share	Need photocopying or scanning		Easy	
Safety	Low control		Specific user permission	
Accessibility	Specific place		Everywhere through internet	
Long-term storage	Difficult		No problem	
Pages numbered	Yes		With Digital Fingerprint	

INTRODUCTION (3/4)

Basic Structure of ELN



open source



INTRODUCTION (4/4)

Essential Functions in ELN



Friendly
Installation/ non
installation



Content generator



PDF printout



User management



Search



Web Access worldwide



Calendar/Event



Webpage clip



Web share



Succinct control
panel



Image gallery



Backup /restore



Personalization



Digital signature



Security



Print



Data Exchange

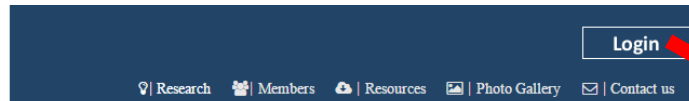
INTERFACE

ELN INTERFACE (1/4)

One Installation, Two Sites for Public and Private



External Site for public Access/ Lab website



Home

Research

Our mission

Using IT innovations to increase the quality of life (QoL)

Introduction on what we have done and what we want to do

At recent years, we put focuses on following important issues:

(1) Network analysis of human protein interactions for Tumorigenesis and infectious diseases in the approach of systems biology

We have implemented a statistical model into our protein interaction database for validation of two-hybrid assays of *Helicobacter pylori*, and prediction of putative protein interactions not yet discovered experimentally. By this approach, we can compare the interacting network of various strains with different virulence to decipher the secret between hosts and pathogens (<http://dpi.nhri.org.tw/hp/>, Bioinformatics 2005). Using the more sophisticated statistical method with expression profile, we integrated a database named as flydpi for the interactome of *Drosophila melanogaster* (<http://flydpi.nhri.org.tw>, BMC Bioinfo, 2006). And we also constructed a topological analyzer for complex network named as Hubba (NAR, 2008, <http://hubba.iis.sinica.edu.tw>). Objectives of our work are to improve our understanding of the puzzle during development stage, carcinogenesis and infectious mechanism, and to furthermore introduce a new paradigm for the diagnosis and treatment of human disease to revolutionize current medical services delivered.

(2) Developing value-added databases and web applications for biomedical research communities

LANGUAGES

English

NEWS

news test

Login



User Profile

Log in Request new password

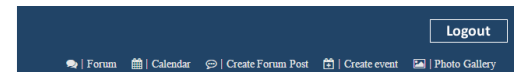
Username *

Enter your Electronic Laboratory Notebook username.

Password *

Enter the password that accompanies your username.

Log in



Home

Recent posts

All recent content My recent content

Forum	Title	Author	Replies	Last Post
My Project1	openBIS ELN-LIMS: an open-source database for academic laboratories new	yama	2 new	2015-11-09 15:29
My Project2	My project schedule	admin		2015-11-04 14:39
My Project1	The draft genome of the large yellow croaker reveals well-developed innate immunity	member		2015-11-04 14:29

Search

LANGUAGES

English

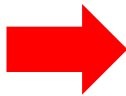
USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Online Help
- Log out

ELN INTERFACE (2/4)

Typical Interface

Record



ELECTRONIC LABORATORY NOTEBOOK

Logout

Forum | Calendar | Create Forum Post | Create event | Photo Gallery

Home » Forum » Research Projects » My Project 1

The draft genome of the large yellow croaker reveals well-developed innate immunity

View Edit

Submitted by member on Wed, 2015/11/04 - 14:26

Forum: My Project 1

keywords: croaker innate

The large yellow croaker, *Larimichthys crocea*, is one of the most economically important marine fish species endemic to China. Its wild stocks have severely suffered from overfishing, and the aquacultured species are vulnerable to various marine pathogens. Here we report the creation of a draft genome of a wild large yellow croaker using a whole-genome sequencing strategy. We estimate the genome size to be 728 Mb with 19,362 protein-coding genes. Phylogenetic analysis shows that the stickleback is most closely related to the large yellow croaker. Rapidly evolving genes under positive selection are significantly enriched in pathways related to innate immunity. We also confirm the existence of several genes and identify the expansion of gene families that are important for innate immunity. Our results may reflect a well-developed innate immune system in the large yellow croaker, which could aid in the development of wild resource preservation and mariculture strategies.

a Gene families Expansion/contraction +562/-7,619 Medaka +593/-4,699 Croaker +665/-3,172 Stickleback +119/-3,510 Pufferfish +7/-2,902 Torafugu +388/-8,823 Cod +1,168/-5,815 Zebrafish

b Stickleback Croaker Pufferfish Torafugu

Region	Count
Stickleback only	1,421
Croaker only	1,236
Pufferfish only	878
Torafugu only	1,013
Stickleback & Croaker	957
Stickleback & Pufferfish	879
Stickleback & Torafugu	612
Croaker & Pufferfish	583
Croaker & Torafugu	648
Pufferfish & Torafugu	750
Stickleback, Croaker & Pufferfish	3,461
Stickleback, Croaker & Torafugu	703
Stickleback, Pufferfish & Torafugu	1,489
Croaker, Pufferfish & Torafugu	987
All four	987

Search



Search

LANGUAGES

English



Switch language

USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Online Help
- Log out



User Profile

PROPERTY & SUPPLIES

- Property
- Supplies



Lab Property and Supplies

TAGS TO SHOW

123 (2) innate (1) croaker (1) OpenBIS (1) L (1)



Tag

THEME

Premium (Mobile)



Switch theme

PUBLIC INFORMATION

- News
- Home
- Research
- Members
- Resources
- Contact us

ELN INTERFACE (3/4)

Easy to editing content and appending table, image, file, YouTube video...

Home

Create Forum Post

Title *


Language
Language neutral

Forum *
Lab Bulletins

keywords *

A comma-separated list of terms describing this content. Example: funny, bungee jumping, "Company, Inc."

Body (Edit summary)



LANGUAGES
English

USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies

TAGS TO SHOW

123 (2) innate (1) croker (1) OpenBIS (1) LIMS (1)

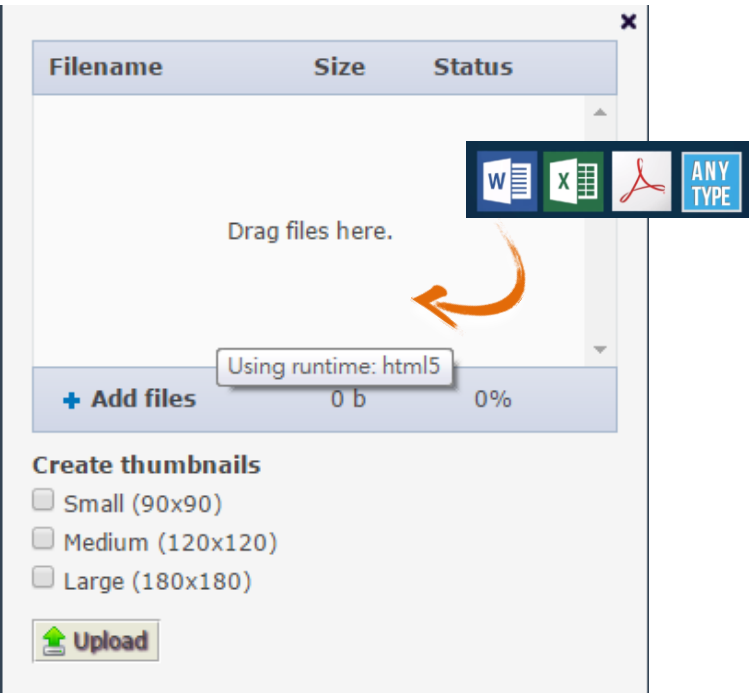
THEME
Premium (Mobile)

PUBLIC INFORMATION

- News
- Home
- Research
- Members
- Resources
- Contact us

Powered By **LAB Of**
System Biology & Network Biology
系統生物學與網絡生物學實驗室

Drag and drop your images or files



Filename Size Status

Drag files here.

Using runtime: html5

+ Add files 0 b 0%

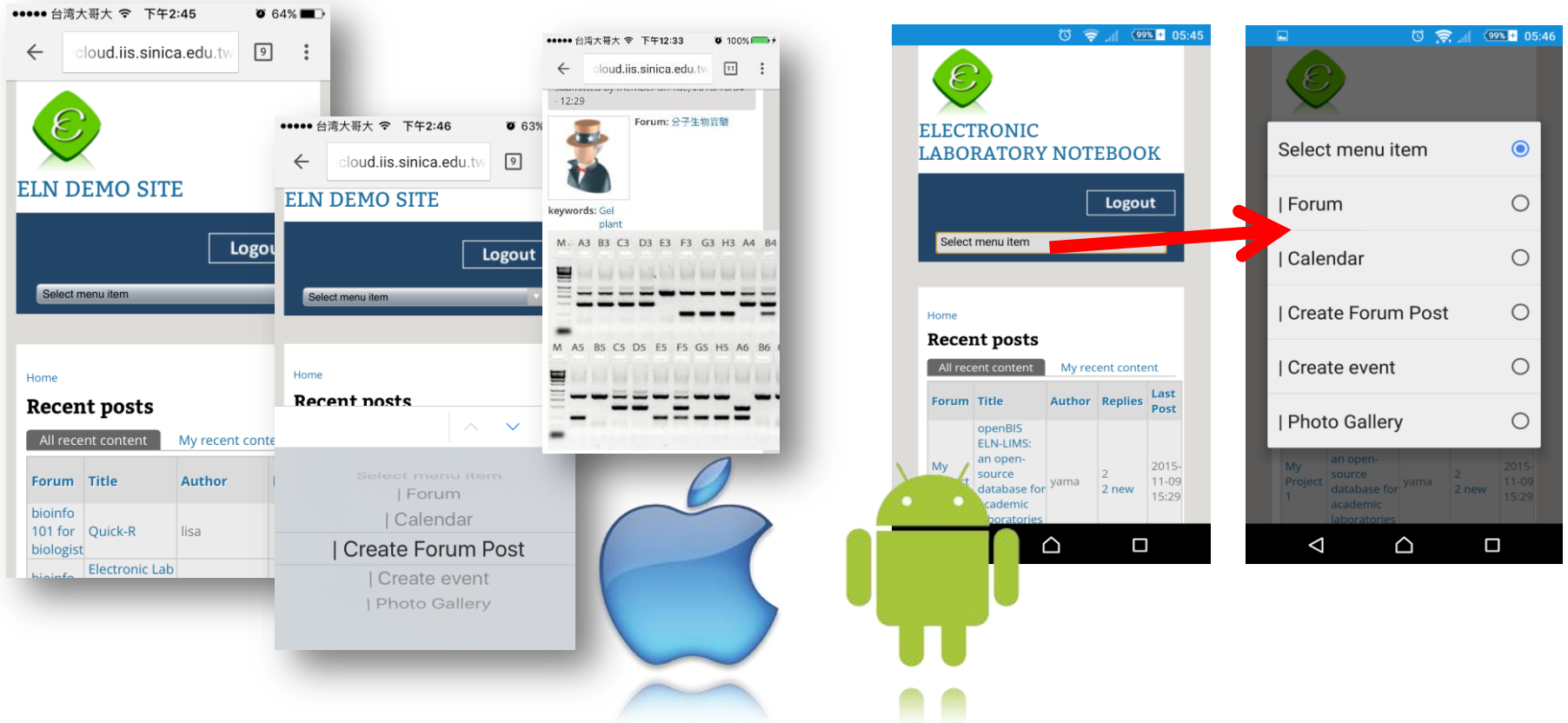
Create thumbnails

- Small (90x90)
- Medium (120x120)
- Large (180x180)

Upload

ELN INTERFACE (4/4)

More simple and clear layout on mobile device



USE ELN

ROLE INTRODUCTION

Guest

- Only can view public content

Lab member

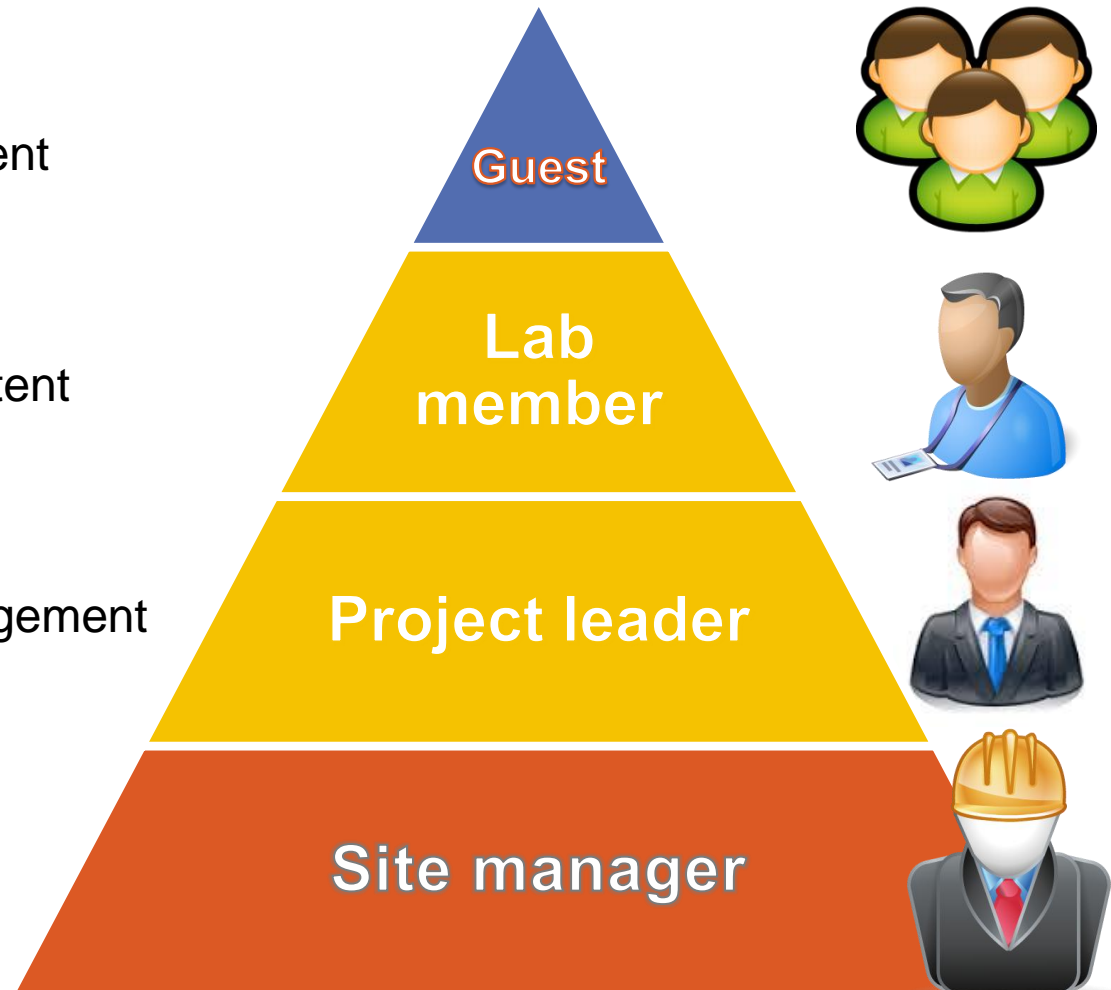
- View public content
- View and post private content

Project leader

- Functions of Lab member
- Content permission management

Site manager

- User, content and theme management



LAB MEMBER CAN DO..

- **Search**
- **Personalization**
- **Post and reply forum topics**
- **Share content**
 - Convert to printer-friendly version or PDF file
 - Email (hyperlink or full content)
- **See all reversions of content**
- **Calendar**
- **File management**
- **Bookmark management**
- **Photo galleries management**
- **Make meeting invitation to other members**
- **View properties and supplies in lab**



THE FUNCTIONS FOR LAB MEMBER

- POST FORUM



1. Click Forum, you can see the forums topics
2. Click Create Forum Post, you can add new content
3. Input Title, Forum name, Keywords and Body

The screenshot illustrates the user interface for creating a forum post. It is divided into three numbered steps:

- Step 1:** The user is on the 'Forum' page. The 'Forum' menu item in the top navigation bar is highlighted with a red box and a '1' callout.
- Step 2:** The user clicks on 'Create Forum Post' in the top navigation bar, which is also highlighted with a red box and a '2' callout. A large red arrow points from this button to the right.
- Step 3:** The 'Create Forum Post' form is shown. The 'Title *' field is highlighted with a red box and a '3' callout. Below it are the 'Forum *' dropdown menu (set to '-My Project 1'), the 'keywords *' input field, and the 'Body (Edit summary)' text area with a rich text editor.

The main content area on the left shows a 'Forum' table with columns for Forum, Topics, Posts, and Last post. It lists categories like Lab Bulletins, Protocols, and Research Projects.

Forum	Topics	Posts	Last post
Lab Bulletins 一般公告, 常用資料, 表單, 安全資料, 型錄等			
實驗室安全	0	0	n/a
Protocols			
分子生物實驗	0	0	n/a
細胞培養	0	0	n/a
Research Projects 有關於研究計畫的工作紀錄, 資料檔案, 討論等			
My Project 1	0	0	n/a
My Project 2	0	0	n/a
Co-project 1	0	0	n/a

On the right side of the main content area, there are several utility sections: LANGUAGES (English), USER PROFILE (User Profile, My Bookmarks, My Photo Galleries, Meetings, Online Help, Log out), PROPERTY & SUPPLIES (Property, Supplies), and THEME (Premium (Mobile Friendly)).

THE FUNCTIONS FOR LAB MEMBER

- SEARCH & PERSONALIZATION



1. Search content, support auto-complete
2. Personalization, you can change theme here

ELN DEMO SITE

Logout

Forum | Calendar | Create Forum Post | Photo Gallery

Home

Forum

Forum	Topics	Posts	Last post
Lab Bulletins 一般公告，常用資料、表單、安全資料、型錄等			
實驗室安全	0	0	n/a
Protocols			
分子生物實驗	0	0	n/a
細胞培養	0	0	n/a
Research Projects 有關於研究計畫的工作紀錄、資料檔案、討論等			
My Project 1	0	0	n/a
My Project 2	0	0	n/a
Co-project 1	0	0	n/a

LANGUAGES

English

USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Meetings
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies

THEME

Premium (Mobile Friendly) ▼

- Bartik
- Dark Elegant
- Garland
- Impact (Mobile Friendly)
- LiteJazz
- Marinelli
- News Flash
- Premium (Mobile Friendly)
- Splendio
- Tapestry

1

2

ELN Demo Site

Forum | Calendar | Create Forum Post | Create event | Photo Gallery

Home

Forum

Forum	Topics	Posts	Last post
Lab Bulletins 一般公告，常用資料、表單、安全資料、型錄等			
實驗室安全	0	0	n/a
Protocols			
分子生物實驗	0	0	n/a
細胞培養	0	0	n/a
Research Projects 有關於研究計畫的工作紀錄、資料檔案、討論等			
My Project 1	0	0	n/a
My Project 2	0	0	n/a
Co-project 1	0	0	n/a

LANGUAGES

English

USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Meetings
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies

THEME

Impact (Mobile Friendly) ▼

THE FUNCTIONS FOR LAB MEMBER

- PROFILE EDIT



1. Click User Profile, you can see the user information
2. Click Edit, edit your account information


Home

member

View Edit My Bookmarks Draft Scheduled Track File browser

▼ User Information

First, Last Name: member
Affiliation: iis



History

Member for
1 day 23 hours

Send email to this user

Search

LA

Eng

USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Meetings
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies



member

View **Edit** My Bookmarks Draft Scheduled Track File browser

Current password

Enter your current password to change the *E-mail address* or *Password*. Request new password.

E-mail address *

member@iis.sinica.edu.tw

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

Password

Password strength: _____

Confirm password

To change the current user password, enter the new password in both fields.

► Theme configuration

▼ User Information

First, Last Name *

member

Affiliation *

iis

Tel

THE FUNCTIONS FOR LAB MEMBER

- FILE MANAGEMENT



1. Click File browser, management your files
2. Click Upload, show the upload window
3. Click Add files or just Drag the files

File name	Size	Width	Height	Date
xia_zai_.jpg	2.46 KB	120	144	2016-07-15 03:28
install_01.png	50.14 KB	862	713	2016-07-15 05:01
install_02.png	54.83 KB	852	766	2016-07-15 05:01
install_03.png	91.02 KB	1040	823	2016-07-15 05:01

4 files using 198.45 KB of unlimited quota



Filename	Size	Status
Drag files here.		
+ Add files	0 b	0%

Create thumbnails

Small (90x90)

Medium (120x120)

Large (180x180)

Upload

THE FUNCTIONS FOR LAB MEMBER

- INSERT IMAGE (1/2)



1. Click this icon, you can insert image file
2. Go to your file browser
3. Upload the image file
4. Insert the image file

Create Forum Post

Title *

Forum *
-My Project 1

keywords *

Body



影像屬性

URL

替代文字

寬度

高度

框線

HSpace

VSpace

對齊方式

預覽

確定 取消

Upload Thumbnails Delete Resize Directory Insert file

Navigation

File name

<root>

all

users

member

THE FUNCTIONS FOR LAB MEMBER

- INSERT IMAGE (2/2)



5. Adjust the width and height of the image
6. Insert image Success

影像屬性

影像資訊 連結 進階

URL
/e/ndemo/sites/default/files/users/member/xia_zai_j 瀏覽伺服器

替代文字

5

寬度 120
高度 144

預覽



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas feugiat consequat diam. Maecenas metus. Vivamus diam purus. cursus a. commodo non. facilisis vitae. nulla

HSpace
VSpace
對齊方式
<未設定>

確定 取消



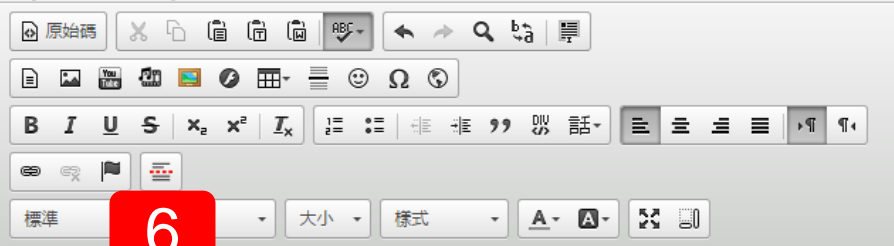
Create Forum Post

Title *


Forum *
-My Project 1

keywords *
A comma-separated list of terms describing this content. Example: funny, bungee jumping, "Company, Inc."

Body (Edit summary)



6



THE FUNCTIONS FOR LAB MEMBER

- INSERT FILE/VIDEO OR HYPERLINK



1. Click this icon, you can make text or any file to hyperlink
2. Make text to hyperlink, input URL of the text
3. Make text to hyperlink for download the file, go to your file browser
4. Upload the file
5. Insert the file to hyperlink

Create Forum Post

Title *

Forum *

-My Project 1

keywords *

A comma-separated list of terms describing this content. Example: funny, bungee jumping, "Company, Inc".

Body (Edit summary)

link



連結

連結資訊 目標 進階

連結類型

網址

URL

選擇伺服器

確定 取消

You
Tube

vimeo

4

Upload Thumbnails Delete Resize Directory **5** Insert file

Navigation

File name

<root>

all

users

member

THE FUNCTIONS FOR LAB MEMBER

- CLONE POST & ADD COMMENT



1. Clone all the content of this forum post
2. Add comment about this forum post
3. Input Subject and Comment for discussion with other members

Test


1

View Edit Revision operations

Clone this forum post

Submitted by member on Fri, 2016/07/15 - 04:05

Forum: My Project 1



keywords: test post

Electronic Lab Notebook Webinar Series

The [Electronic Lab Notebook](#) (ELN) is the scientific community's fastest growing investment and application of choice to facilitate knowledge management, streamline processes and improve collaboration.

With an ELN you can cut documentation time in half, reduce cycle times by 50%, and lower costs by 25%. Accelrys has a range of ELNs to meet the full spectrum of needs of scientific organizations. [Learn more](#) about improving lab-to-market operations by moving from paper to electronic workflow and process documentation.

Webinars will continue to be added to this series, please check back often.

Upcoming Webinars

Date	Title and Speaker	
June 23 8:00 AM	What's New with BIOVIA Notebook 6.0 Presented by Mats Kihlen, BIOVIA Notebook Product Manager	Register Now

2

Date: 2016-07-15 02:15

Add new comment



3

Subject

Comment *

Original Copy Paste Undo Redo ABC Search Backspace

Image Video Audio Link Table List Bulleted Numbered Text Color Background Color

B I U S x₂ x² I_x Bold Italic Underline Strikethrough Subscript Superscript Text Color

Link Quote Reply

Format Font Size Style Bold Italic

THE FUNCTIONS FOR LAB MEMBER

- SHARE & BOOKMARK CONTENT



1. Print, Email, or Convert this post to pdf
2. Add this post to your bookmark
3. Go to your bookmark management page
4. Re-order or create folder for you bookmarks

Test post

View Edit Revision operations

- Clone this forum post

Submitted by member on Fri, 2016/07/15 - 04:05

Forum: My Project 1

keywords: test post

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Upcoming Webinars

Date	Title and Speaker	Register Now
June 23 8:00 AM - 9:00 PM	Webinar 5.0 Notebook Product Manager	Register Now

Date: 2016-07-15 04:15
Add new comment

Good

member - Fri, 2016/07/15 - 04:25
This article is very good.

reply

LANGUAGES

English

USER PROFILE

- My Bookmarks
- My Photo Gallery
- Meetings
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies

TAGS TO SHOW

test post (1)

THEME

Premium (Mobile Friendly)

PUBLIC INFORMATION

- News
- Home
- Research
- Members
- Resources
- Contact us

Powered By LAB Of
System Biology & Network Biology
中国科学院系统生物研究所

4

My Bookmarks

- My Template
- Test post

Add folder

THE FUNCTIONS FOR LAB MEMBER

- REVISIONS

1. Click Revision operations, you can see all the versions of this content
2. Click any time you want to see




Test post

View Edit **Revision operations**

- Clone this forum post

Submitted by member on Fri, 2016/07/15 - 04:05

 **Forum:** My Project 1

keywords: test post


Electronic Lab Notebook Webinar Series

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Upcoming Webinars

Date	Title and Speaker	
June 23 8:00 AM - 9:00 PT	What's New with BIOVIA Notebook 6.0 Presented by Mats Kihlen, BIOVIA Notebook Product Manager	 Register Now

Date: 2016-07-15 03:15

Add new comment    [Bookmark](#)

Revisions for *Test post*

View Edit **Revision operations**

List all revisions **View Current**


Revision	Terms	Status
Saved 2016-07-15 04:10 by member	test post	current revision (published)
Saved 2016-07-15 04:05 by member	test post	archived
Saved 2016-07-15 04:05 by member	test post	archived

Revision of *Test post* from *Fri, 2016/07/15 - 04:05*

View Edit **Revision operations**

List all revisions **View**

Submitted by member on Fri, 2016/07/15 - 04:05

 **Forum:** My Project 1

keywords: test post

This is test post.

THE FUNCTIONS FOR LAB MEMBER

- CALENDAR



1. Click Calendar, you can see Forum Post and Event
2. Click Create event, add event by your self
3. Input Event Title, Time and Description

The screenshot shows the ELN DEMO SITE interface. At the top, there is a navigation bar with 'Forum', 'Calendar', 'Create Forum Post', and 'Create event' buttons. A red arrow points from the 'Create event' button to the 'Create Event Calendar' form on the right. The calendar on the left shows July 2016 with a 'Forum post' on the 15th and an 'Event' on the 20th. The 'Create Event Calendar' form has three numbered steps: 1. 'Event Title *' input field, 2. 'Date *' input fields for start and end dates and times, and 3. 'Event Description' text area. Below the form are 'Publish' and 'Save as draft' buttons.

ELN DEMO SITE

Home » 行事曆

行事曆

Month Week Day Year

July 2016

Filter options: 篩選特定類型的記事 (以類型篩選記事) and 篩選含有特定詞語の記事 (以關鍵詞篩選記事內容)

LANGUAGES: English

USER PROFILE: User Profile, My Bookmarks, My Photo Galleries, Meetings, Online Help, Log out

PROPERTY & SUPPLIES: Property, Supplies

TAGS TO SHOW: test post (1)

THEME: Premium (Mobile Friendly)

PUBLIC INFORMATION: News, Home, Research

Create Event Calendar

Event Title *

Date *
Select the start and end dates for this event.
 Show End Date

Date: 2016-07-15
Time: 09:30
E.g., 2016-07-15 E.g., 09:30

Event Description

Flags: No flags, Bookmark (Add this post to your bookmarks)

Publish Save as draft

THE FUNCTIONS FOR LAB MEMBER

- PHOTO GALLERIES



1. Click My Photo Galleries, manage your Album
2. Input Album Title, upload photos
3. Set Album Privacy, share to Everyone, Lab member or Only yourself

USER PROFILE

- | Us
- | My Bookmarks
- | **My Photo Galleries**
- | Meetings
- | Online Help
- | Log out

PROPERTY & SUPPLIES

- | Property
- | Supplies



Create Album

Title *

Description

Photos

Add a new file

Select one or more files to upload

Filename	Size	Status
Drag files here.		

+ Add files 0 b 0%

Start upload

Files must be less than 10 MB.
Allowed file types: jpeg.

Privacy *

- Everyone
- Everyone
- Lab Member
- Only me

Bookmark
Add this post to your bookmarks

Publish Save as draft Preview

THE FUNCTIONS FOR LAB MEMBER

- MAKE MEETING (1/4) WITH COLLEAGUES

1. Click Meeting, make meeting invitation to other members
2. Input title and body
3. Input Date and Suggestion time for poll



USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- **Meetings**
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies

Create Meeting

Title *

Body (Edit summary)

Select Time

- Hidden poll
Confidential participation: only you and administrators can see the answers.
 - Participant can only choose one option
By default all options are selectable. This setting limits the choice to one option per participant.
- Limit the number of participants per option**
- 0
- Poll as registration form: As soon as the indicated limit has been reached, the respective option is no longer available. 0 for unlimited
- Provide a "Maybe" option
Provide a third "Maybe" option in case users may be available.
 - Closed
Check this when you want to close the poll.

Date	Suggestion 1	Suggestion 2
2016 Jul 19 Remove	10:00 - 12:00	14:00 - 16:00
2016 Jul 20 Remove	10:00 - 12:00	14:00 - 16:00
2016 Jul 21 Remove	10:00 - 12:00	14:00 - 16:00

[More choices](#) [More suggestions](#) [Copy and paste first row](#)

THE FUNCTIONS FOR LAB MEMBER

- MAKE MEETING (2/4)



4. Check the time you are available

Lab Meeting

View Edit

- Clone this meeting

Submitted by member on Fri, 2016/07/15 - 21:29

It's time to meeting.

Meeting Time

Select Time:

	July 2016					
	Tue. 19		Wed. 20		Thu. 21	
	10:00 -12:00	14:00 - 16:00	10:00 -12:00	14:00 - 16:00	10:00 -12:00	14:00 - 16:00
0 participants						
member	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Totals	0	0	0	0	0	0

Submit

Add new comment Bookmark

4



5. Invite other members by email

Lab Meeting

View Edit

- Clone this meeting

Submitted by member on Fri, 2016/07/15 - 21:29

It's time to meeting.

Meeting Time

Select Time:

	July 2016					
	Tue. 19		Wed. 20		Thu. 21	
	10:00 -12:00	14:00 - 16:00	10:00 -12:00	14:00 - 16:00	10:00 -12:00	14:00 - 16:00
1 participant						
member	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Totals	1	1	1	0	1	0

Add new comment Bookmark

5

6. Input the email of members

Send by email

Your email *

Your name

Send to *

Add user Enter multiple addresses separated by commas and/or different lines.

Type *

Subject *

Page to be sent Lab Meeting

Your message *

Send email Cancel

6



7. Another member check the time he is available

Lab Meeting

View Edit Manage display Track

- Clone this meeting

Submitted by member on Fri, 2016/07/15 - 21:29

It's time to meeting.

Meeting Time

Select Time:

	July 2016					
	Tue. 19		Wed. 20		Thu. 21	
	10:00 -12:00	14:00 - 16:00	10:00 -12:00	14:00 - 16:00	10:00 -12:00	14:00 - 16:00
2 participants						
member	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Totals	2	1	2	1	1	0

Add new comment Bookmark

7

THE FUNCTIONS FOR LAB MEMBER

- MAKE MEETING (3/4)



8. Click Meetings to decide the final meeting time

9. Click the meeting name

USER PROFILE

- User Profile
- My Bookmarks
- My Photo Galleries
- Meetings**
- Online Help
- Log out

PROPERTY & SUPPLIES

- Property
- Supplies



Meetings

Add Meeting

Title	Author	Last Post	Meeting Time
Lab Meeting	member	2016-07-15 21:29	

10. Click Edit

11. Decide the final meeting time

Lab Meeting

View **Edit** Manage display Track

- Clone this meeting

Submitted by member on Fri, 2016/07/15 - 21:29

It's time to meeting.

Meeting Time

Select Time:

	July 2016					
	Tue. 19		Wed. 20		Thu. 21	
	10:00 - 12:00	14:00 - 16:00	10:00 - 12:00	14:00 - 16:00	10:00 - 12:00	14:00 - 16:00
2 participants						
member	✓	✗	✓	✗	✓	✗
admin	✓	✓	✓	✓	✗	✗
Totals	2	1	2	1	1	0



Final Decision

Show End Date

Date **Time**
E.g., 2016-07-15 E.g., 22:00

to:

Date **Time**
E.g., 2016-07-15 E.g., 22:00

Flags
 No flags Bookmark
Add this post to your bookmarks

Save Unpublish Delete

THE FUNCTIONS FOR LAB MEMBER

- MAKE MEETING (4/4)



12. Final time will show there

Lab Meeting

[View](#) [Edit](#)

- [Clone this meeting](#)

Submitted by member on Fri, 2016/07/15 - 21:29

It's time to meeting.

Meeting Time

Select Time:

July 2016						
	Tue. 19		Wed. 20		Thu. 21	
2 participants	10:00 - 12:00	14:00 - 16:00	10:00 - 12:00	14:00 - 16:00	10:00 - 12:00	14:00 - 16:00
member	✓	✓	✓	✗	✓	✗
admin	✓	✓	✓	✗	✗	✗
Totals	2	2	1	1	0	0

Final Decision: 2016-07-20
10:00 to 12:00

Add new comment [Bookmark](#)

13. You also can see it in the calendar

Month Week Day Year

July 2016 [« Prev](#) [Next »](#)

篩選特定類型的記事 (以類型篩選記事) 篩選含有特定詞語の記事 (以關鍵詞篩選記事內容)

- Any - - Any - [Apply](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
					Test post 2016-07-15 03:15 ELN 2016-07-15 09:45	
17	18	19	20	21	22	23
			Clean lab 2016-07-20 09:30 to 11:30	Lab Meeting 2016-07-20 10:00 to 12:00		
24	25	26	27	28	29	30
31	1	2	3	4	5	6

THE FUNCTIONS FOR LAB MEMBER

- PROPERTY & SUPPLIES (1/3)



1. Click Property or Supplies, you can see Property or Supplies page
2. Input condition for search
3. Click Property or Supplies Name, see details

Home

Property

List | QR Code View | Import & Export

Displaying

Name	Serial	Keeper	User	Location	Status	Purchase Date	Age limit
DELL Latitude E5570	1234567	tima	tima	N401	operating	2014-07-01	3
HP DL580	7654321	cylin	cylin	N633	operating	2015-07-06	5
Mac Pro 3.5GHZ	333333333	tima	tima	N401	operating	2016-04-01	3

HP DL580

Serial: 7654321
Keeper: cylin
User: cylin
Location: N633
Status: operating
Purchase Date: 2015-07-06
Age Limit: 5
Photos:

Files:
Specification Book

Search

FILTER

Name
Serial
Keeper
User
Location
Status
Purchase Date
Start date
End date

- Any -

Apply
Reset

E.g., 2016-07-17
E.g., 2016-07-17

THE FUNCTIONS FOR LAB MEMBER

- PROPERTY & SUPPLIES (2/3)






4. Click Photo View, see pictures of Property or supplies
5. Click QR Code View, you can print QR Code and stick on Property or Supplies
6. Click Import & Export, go to Export to CSV file page

4

Property

List **Photo View** QR Code View Import & Export

Print



 <p>Latitude E5570</p> <ul style="list-style-type: none">- Intel Core i5-6300U- Win 10 Pro- 4GB DDR4 2133 MHz- 500 GB 固态硬盘- 15.6吋 FHD IPS (1920 x 1080)- 蓝牙 4.2	 <p>HP DL580</p>
 <p>Mac Pro 3.5GHz</p>	

5

Property

List Photo View **QR Code View** Import & Export

Print

<p>DELL Latitude E5570</p> <p>SN: 1234567</p> 	<p>HP DL580</p> <p>SN: 7654321</p> 	<p>Mac Pro 3.5GHz</p> <p>SN: 333333333</p> 
---	--	--

6

Property

List Photo View QR Code View **Import & Export**

Export to CSV file

THE FUNCTIONS FOR LAB MEMBER

- PROPERTY & SUPPLIES (3/3)



7. Stick QR Code on your property

8. If you want see the detail of your property, just scan the QR Code

9. Go to page of this property

7



8



9

DELL Latitude E5570

View Edit Manage display Track

Serial: 1234567
Keeper: tima
User: tima
Location: N401
Status: operating
Purchase Date: 2014-07-01
Age Limit: 3
Photos:

24h 購物



Latitude E5570



• Intel Core i5-6300U • Win 10 Pro
• 4GB DDR4 2133 MHz • 500 GB 硬碟
• 15.6吋 FHD IPS (1920 x 1080) • 藍牙 4.2

Files:

guidebook

QR Code:



THE FUNCTIONS FOR PROJECT LEADER (1/4)

Forum management

- Create, edit and delete forum topics
- Assign forums to privileged users
- Assign users to respective forums



THE FUNCTIONS FOR PROJECT LEADER (2/4)



Forum Management

1. Click Forum Management
2. You can add forum and container (As the picture shows, Research Projects is a container and Project A , B C are forums)
3. Use containers to group related forums
4. Drag and drop the cross to re-order the forums

USER PROFILE

- | User Profile
- | My Bookmarks
- | My Photo Galleries
- | Meetings
- | Online Help
- | Log out

PROPERTY & SUPPLIES

- | Property
- | Supplies

FORUM MANAGEMENT

- | **Forum Management**
- | Forum Permission



Forums

List Settings

Add container
Add forum

Show row weights

Name	Operations
+ Research Projects	edit container
+ Project A	edit forum
+ Project B	edit forum
+ Project C	edit forum

Forum

Forum	Topics	Posts	Last post
Research Projects			
Project A	0	0	n/a
Project B	0	0	n/a
Project C	0	0	n/a

THE FUNCTIONS FOR PROJECT LEADER (3/4)

Forum Permission – Assign by forums

1. Click Forum Permission
2. Click the forum which you want to adjust permission
3. Check the account name then the user can access this forum



USER PROFILE

- | User Profile
- | My Bookmarks
- | My Photo Galleries
- | Meetings
- | Online Help
- | Log out

PROPERTY & SUPPLIES

- | Property
- | Supplies

FORUM MANAGEMENT

- | Forum Management
- | Forum Permission

Assign the users of all forums

Assign **2** Assign users

- Research Projects
 - **Project A**
 - Project B
 - Project C

Assign the users

Forum Name:Project A

-	<input checked="" type="checkbox"/> All 3
-	<input checked="" type="checkbox"/> administrator <ul style="list-style-type: none"><input checked="" type="checkbox"/> admin (Admin)
-	<input checked="" type="checkbox"/> Lab Member <ul style="list-style-type: none"><input checked="" type="checkbox"/> member (member)
-	<input checked="" type="checkbox"/> Project Leader <ul style="list-style-type: none"><input checked="" type="checkbox"/> leader (leader)

Save **Back**

THE FUNCTIONS FOR PROJECT LEADER (4/4)

Forum Permission – Assign by users

1. Click Assign users
2. Click the Assign link which you want to adjust permission
3. Check the forum name then the user can access this forum



Assign the forums of all users

Assign forums **Assign users**

Name	First, Last Name	角色	Assign
admin	Admin	administrator	Assign
leader	leader	Project Leader	Assign
member	member	Lab Member	Assign

Assign the forums

User Name:member

- All
- Research Projects
 - Project A
 - Project B
 - Project C

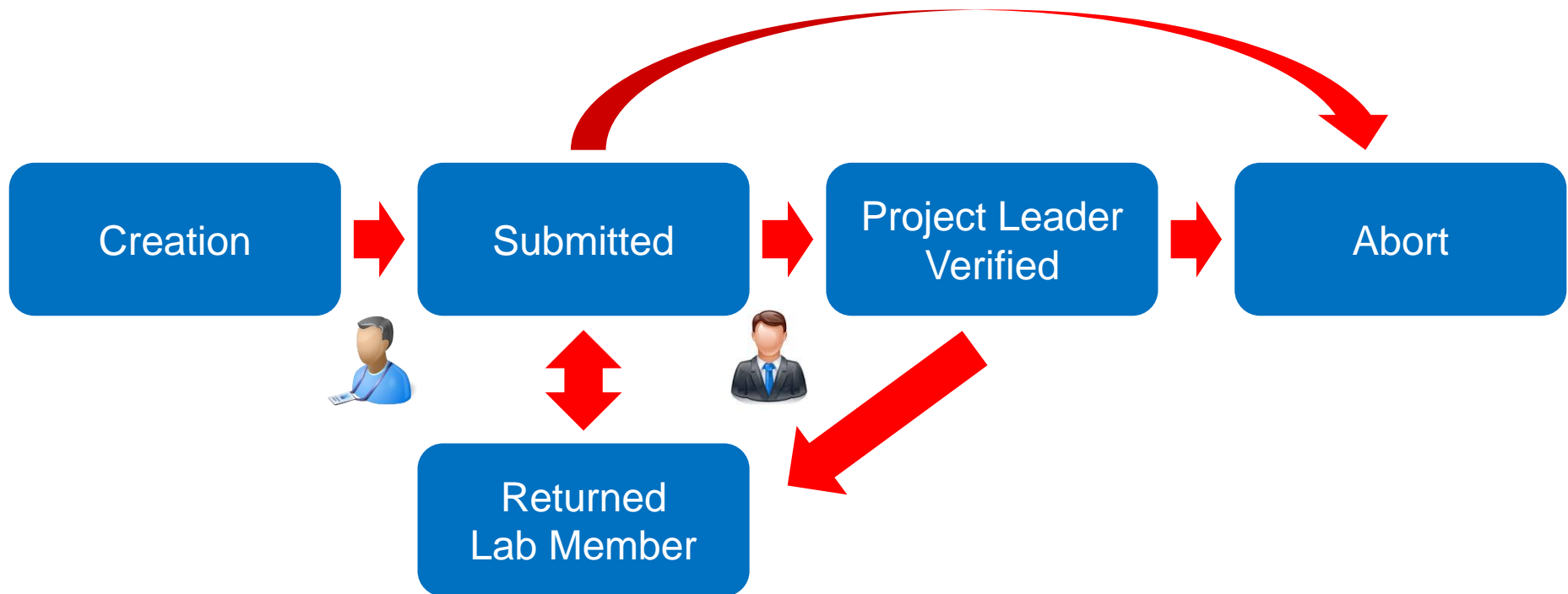
Save **Back**

AUDIT TRAILS AND CHANGE LOGS



WORKFLOW FOR FORUM (1/2)

1. Every forum post need to verify by Project Leader
2. Site Manager can ON/OFF this function
3. Workflow State:
Submitted, Project Leader Verified, Return Lab Member, Abort



WORKFLOW FOR FORUM (2/2)

1. Click My Task
2. See all the tasks which you can access
3. Click edit to change the state and content of this forum post

1

USER PROFILE

- [User Profile](#)
- [My Task](#)
- [My Bookmarks](#)
- [My Photo Galleries](#)
- [Meetings](#)
- [Online Help](#)
- [Log out](#)

2

My Task

Title

Current State

Forum	Title	Current State	Updated date	Edit
Co-project 1	test 2	Submitted	2016-09-22 16:49	edit
My Project 1	test	Returned Lab Member	2016-09-22 16:44	edit
My Project 2	123	Project Leader Verified	2016-09-22 16:44	edit

3

Change Content Verify state

Returned Lab Member ▾

Submitted

Returned Lab Member

Abort

THE FUNCTIONS FOR SITE MANAGER (1/2)

Public information update

- News
- Home page, research topics, members information, resources
- Contact us (Show results, email list setting)



Site configuration

- Theme setting
- Upload setting
- Site information (Site name, footer message, ...)
- Maintenance mode
- Backup and restore

THE FUNCTIONS FOR SITE MANAGER (2/2)

User management

- Create, edit and delete user
- Set role

Content management

- Post and comment management
- Forum management
 - Create, edit and delete forum topics
 - Assign forums to privileged users
 - Assign users to respective forums

Property and Supplies management

- Import from CSV file
- Export to CSV file
- Make QR code for property and supplies



THE FUNCTIONS FOR SITE MANAGER

- NEWS MANAGEMENT

1. Click News Management
2. Add, edit or delete News in this site



SITE MANAGER **1**

- Public Information
 - News Management**
 - Edit Menu
 - Edit Home
 - Edit Research
 - Edit Members
 - Edit Resources
 - Contact us Result
 - Contact us Email to
- Site Configuration
- People
- Content Management



Home » | Public Information

最新消息 **2**

Create News

Displaying 1 - 1 of 1

Title	名稱	Updated/commented date	Edit	Delete link
news test	admin	2016-07-13 04:58	edit	delete

THE FUNCTIONS FOR SITE MANAGER

- EDIT MENU

1. Click Edit Menu, see all main menus in the site, you can edit or delete
2. Enable or disable this menu
3. Add new menu



SITE MANAGEMENT

- Public Information
 - News Management
 - Edit Menu**
 - Edit Home
 - Edit Research
 - Edit Members
 - Edit Resources
 - Contact us Result
 - Contact us Email to
- Site Configuration
- People
- Content Management

1

3

+ Add link

Logout

Forum | Calendar | Create Forum Post | Create event | Photo Gallery

2

Show row weights

MENU LINK	ENABLED	OPERATIONS		
+ Forum	<input checked="" type="checkbox"/>	edit	delete	translate
+ Calendar	<input checked="" type="checkbox"/>	edit	delete	translate
+ Create Forum Post	<input checked="" type="checkbox"/>	edit	delete	translate
+ Create event	<input checked="" type="checkbox"/>	edit	delete	translate
+ Research	<input checked="" type="checkbox"/>	edit	delete	translate
+ Members	<input checked="" type="checkbox"/>	edit	delete	translate
+ Resources	<input checked="" type="checkbox"/>	edit	delete	translate
+ Photo Gallery	<input checked="" type="checkbox"/>	edit	delete	translate
+ Contact us	<input checked="" type="checkbox"/>	edit	delete	translate

Save configuration

THE FUNCTIONS FOR SITE MANAGER

- PUBLIC INFORMATION



1. Edit static pages (Home, Research, Members, Resources)
2. See Contact us Result / edit Contact us email list

SITE MANAGEMENT

- Public Information
 - News Management
 - Edit Menu
 - Edit Home
 - Edit Research
 - Edit Members
 - Edit Resources
 - Contact us Result
 - Contact us Email to
- Site Configuration
- People
- Contact us Email to

1



Title *

Home

Body (Edit summary)

Home

THE FUNCTIONS FOR SITE MANAGER

- UPLOAD SETTING



1. Click Upload Setting
2. Adjust upload quota of single user or total users and other settings about upload

SITE MANAGEMENT

- Public Information
- Site Configuration **1**
 - Theme Setting
 - Upload Setting**
 - Site Information
 - SMTP Authentication
 - Edit Footer Message
 - Site Maintenance
 - Site Backup
- People
- Content Management



Maximum file size per upload

 MB

Set to 0 to use the maximum value available. Your PHP settings limit the maximum file size per upload to *1.95 GB*.

Directory quota

 MB

Define the upload quota per directory. Set to 0 to use the maximum value available.

Total user quota

 MB

This quota measures the size of all user uploaded files in the database and does not include FTP files. You can either

Permitted file extensions

Specify the allowed file extensions for uploaded files. Separate extensions with a space and do not include the lead

Maximum image dimensions

 WIDTHxHEIGHT

The maximum allowed image size (e.g. 640x480). Set to 0 for no restriction. If an [image toolkit](#) is installed, files ex

Maximum number of files per operation

You can allow users to select multiple files for operations such as delete, resize, etc. Entire batch file operation is e: exceeding the limits of your server, which is really bad. For unlimited number of file handling, set this to 0.

2

THE FUNCTIONS FOR SITE MANAGER

- SITE INFORMATION & FOOTER MESSAGE

1. Edit Site name, Slogan and Email
2. Edit Footer Message



SITE MANAGEMENT

- Public Information
- Site Configuration
 - Theme Settings
 - Upload Settings
 - Site Information
 - SMTP Authentication
 - Edit Footer Message
 - Site Maintenance
 - Site Backup
- People
- Content Management

1

2

SITE DETAILS

Site name *

This is a multilingual variable.

Slogan

How this is used depends on your site's theme. This is a multilingual variable.

E-mail address *

The *From* address in automated e-mails sent during registration and new password request.

Block description *

A brief description of your block. Used on the [Blocks administration page](#).

Block body *

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THE FUNCTIONS FOR SITE MANAGER

- SMTP AUTHENTICATION & SITE MAINTENANCE

1. Edit Gmail account for sending email
2. Change to Maintenance mode, only Site Manager can access your site

SITE MANAGEMENT

- Public Information
- Site Configuration
 - Theme Setting
 - Upload Setting
 - Site Information
 - SMTP Authentication
 - Edit Footer Message
 - Site Maintenance
 - Site Backup
- People
- Content Management

1

2

SMTP AUTHENTICATION

Leave blank if your SMTP server does not require authentication.

Username

SMTP Username.

Password

SMTP password. If you have already entered your password before, you should leave it



If you are upgrading to a newer version of Drupal or upgrading contributed modules or themes, you may need to run the [update script](#).

 Put site into maintenance mode

When enabled, only users with the "Use the site in maintenance mode" [permission](#) are able to access your site to perform maintenance;

Maintenance mode message

Message to show visitors when the site is in maintenance mode.

Save configuration

THE FUNCTIONS FOR SITE MANAGER

- SITE BACKUP

1. Click Site Backup
2. Backup Database, Files or Entire Site
3. Add schedule for backup

SITE MANAGEMENT

- Public Information
- Site Configuration
 - Theme Setting
 - Upload Setting
 - Site Information
 - SMTP Authentication
 - Edit Footer Message
 - Site Maintenance
 - Site Backup
- People
- Content Management



1



3

Backup and Migrate



ELN DEMO SITE

BACKUP

RESTORE

SAVED BACKUPS

SCHEDULES

SETTINGS

NODESQUIRREL

[Home](#) » [Administration](#) » [Configuration](#) » [System](#)

Quick Backup

Advanced Backup

Use this form to run simple backups of your database and files. Visit the [help page](#) for more help using this module.

2

QUICK BACKUP

Backup my to using

- Save and restore
- Add a new backup

Backup now

THE FUNCTIONS FOR SITE MANAGER

- USER MANAGEMENT

1. Click User Management, see all users list, you can search and edit users
2. Click Add user, add new user account
3. Input user name, email, password and belong role



SITE MANAGEMENT

- Public Information
- Site Configuration
- People
 - Roles Management
 - User Management**
- Content Management

1

2

+ Add user

SHOW ONLY USERS WHERE

role	any	Filter
permission	any	
status	any	

3

UPDATE OPTIONS

Unlock the selected users Update

<input type="checkbox"/>	USERNAME	STATUS	ROLES
<input type="checkbox"/>	leader	active	• Project Leader
<input type="checkbox"/>	admin	active	• administrator
<input type="checkbox"/>	member	active	• Lab Member

Username *

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes.

E-mail address *

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public.

Password * Password strength: _____

Confirm password *

Provide a password for the new account in both fields.

Status

Blocked

Active

Roles

- authenticated user
- administrator
- Lab Member
- Project Leader
- Property_Supplies
- Notify user of new account

THE FUNCTIONS FOR SITE MANAGER

- CONTENT MANAGEMENT

1. Click Post Management, see all articles in the site, you can search, edit and delete them
2. Click Comments Management, see all the comments in the site



SITE MANAGEMENT

- Public In
- Site Conf
- People
- Content Management
 - Post Management
 - Comments Management

1

2

+ Add content

SHOW ONLY ITEMS WHERE

status Filter

type

language

UPDATE OPTIONS

Bookmark Update

<input type="checkbox"/>	TITLE	TYPE	AUTHOR	STATUS	UPDATED	LANGUAGE	OPERATIONS
<input type="checkbox"/>	HP Q2612A Toner Cartridge (Black)	supplies	admin	published	2016-07-17 10:51	English	edit delete
<input type="checkbox"/>	Mac Pro 3.5GHz	property	admin	published	2016-07-17 10:49	English	edit delete
<input type="checkbox"/>	DELL Latitude E5570	property	admin	published	2016-07-17 10:47	English	edit delete
<input type="checkbox"/>	HP DL580	property	admin	published	2016-07-17 10:44	English	edit delete
<input type="checkbox"/>	Lab Meeting updated	Meeting	member	published	2016-07-15 22:01	English	edit delete clone
<input type="checkbox"/>	ELN	Forum Post	member	published	2016-07-15 09:49	English	edit delete clone
<input type="checkbox"/>	Clean lab new	Event Calendar	member	published	2016-07-15 09:25	English	edit delete clone
<input type="checkbox"/>	Test post	Forum Post	member	published	2016-07-15 04:10	English	edit delete clone
<input type="checkbox"/>	Download and Install	Basic page	admin	published	2016-07-14 23:42	Language neutral	edit delete
<input type="checkbox"/>	Get Started with ELN	Basic page	admin	published	2016-07-14 22:45	Language neutral	edit delete
<input type="checkbox"/>	Photo Gallary new	Basic page	admin	published	2016-07-13 04:58	Language neutral	edit delete
<input type="checkbox"/>	Demo Photos new	Album	admin	published	2016-07-13 04:58	English	edit delete

UPDATE OPTIONS

Unpublish the selected comments Update

<input type="checkbox"/>	SUBJECT	AUTHOR	POSTED IN	UPDATED	OPERATIONS
<input type="checkbox"/>	Good	member	Test post	2016-07-15 04:25	edit

THE FUNCTIONS FOR SITE MANAGER

- PROPERTY & SUPPLIES MANAGEMENT (1/3)

1. If you need one Lab Member or Project Leader have ability to manage property & supplies, go to User Management editing this user, check Property_Supplies. If you are administrator(Site Manager), you had this ability and don't need to do anything.



Username *

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes

E-mail address *

A valid e-mail address. All e-mails from the system will be sent to this address. The

Password

Password strength: _____

Confirm password

To change the current user password, enter the new password in both fields.

Status

Blocked

Active

Roles

authenticated user

administrator

Lab Member

Project Leader

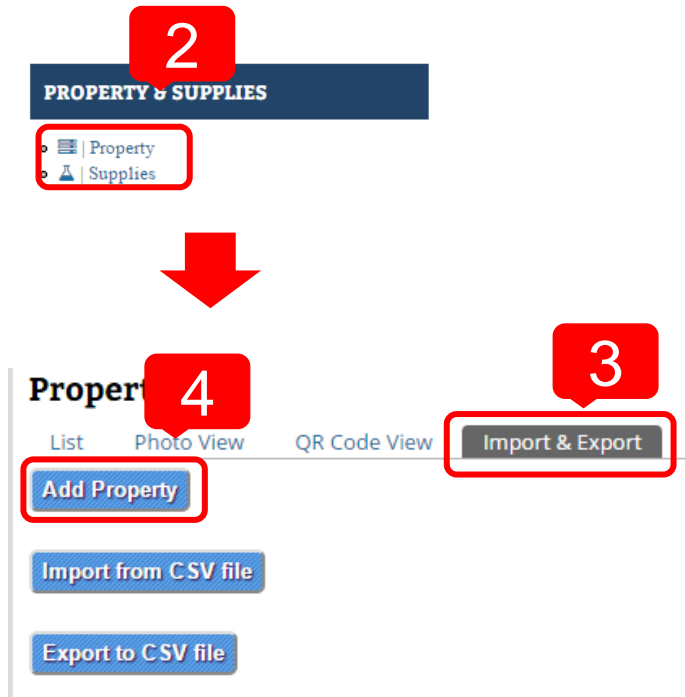
Property_Supplies



THE FUNCTIONS FOR SITE MANAGER

- PROPERTY & SUPPLIES MANAGEMENT (2/3)

2. Click Property or Supplies, go to Property or Supplies page
3. Import & Export Property
4. Click Add Property, go to create property page
5. Input Property Name, Serial ... etc



The 'Create property' form includes the following fields and options:

- Name ***: Text input field.
- Serial**: Text input field.
- Keeper**: Text input field.
- User**: Text input field.
- Location**: Text input field.
- Status ***: Dropdown menu with 'operating' selected.
- PURCHASE DATE ***: Section containing a **Date** input field with '2016-07-18' and the example 'E.g., 2016-07-18'.
- Age Limit ***: Text input field with '3'.

A red speech bubble with the number '5' is positioned above the 'Name' field. An illustration of a person wearing a hard hat and a suit is on the right side of the form.

THE FUNCTIONS FOR SITE MANAGER

- PROPERTY & SUPPLIES MANAGEMENT (3/3)

6. Click Import from CSV file, go to import page
7. Download a template and enter all the content you want to import
8. Select the file you just complete
9. Import the CSV file
10. Export all property to CSV file



Property

List Photo View Code View **Import & Export**

6 Add Property

10 Import from CSV file

Export to CSV file

7 IMPORT

Import CSV file more of these columns: Name, Serial, Keeper, User, Location, Status, Purchase Date, Age limit, Remark.

- Columns are mandatory and values in these columns are considered unique: only one entry per value in one of these column will be created.

7 Download a template

Delimiter

•

The character that delimits fields in the CSV file.

No Headers

Check if the imported CSV file does not start with a header row. If checked, mapping sources must be named '0', '1', '2' etc.

File encoding

UTF-8

Performs character encoding conversion to UTF-8.

8

File

proper 4_1.csv

224 bytes

text/csv

9 選擇檔案 未選擇任何檔案

Select a different file from your local system.

9 Import

HARDWARE

SYSTEM REQUIREMENT

CPU

- At least 1.6 GHz

Memory

- At least 4~8 GB

Hard disk

- A minimum installation requires 300 MB
- Suggest remaining 100 GB ~ 1TB free space for your files and images.



INSTALLATION

HOW TO INSTALL?

- Please go to this page to download the installation file
 - http://eln.iis.sinica.edu.tw/eln/?q=download_eln
- During installation, input site information step by step
 - See the online help video <http://eln.iis.sinica.edu.tw/eln/?q=help>
- Now we provide Windows, Mac and Linux version



Download ELN

Windows version:

ELN-2.1.1 (2016-07-12)

- Hierarchy bookmarks, function for make meeting, content clone, reversions, solved bugs

ELN-2.0.1 dev (2015-11-16)

- Upgrade to drupal 7.

- Mobile device support, drag and drop files, Property and Supplies management.

ELN-1.2.1 (2013-08-14)

- Performance editing.

ELN-1.1.10 (2012-01-10)

- Fix bug for editing roles.

ELN-1.1.9 (2011-10-19)

- Change Editor module.

ELN-1.1.8 (2011-04-20)

- Upgrade drupal version from 6.14 to 6.19.

- Fix IE layout problem.

ELN-1.1.7 (2010-10-21)

Mac version:

ELN-1.1.10 (2012-06-07)

Linux version:

ELN-1.2.1 & BioLinux 7 [Admin account:lsbnb / Admin password:lsnbiiis] (2013-09-12)

- DVD iso file

HOW TO INSTALL – WINDOWS VERSION



Download the installation file and run it

Setup - ELN

Select Language

Please specify what language you prefer to use in ELN web site, then click Next.

Chinese, Traditional

English

Japanese

About... ELN Website < Back Next > Cancel



Setup - ELN

Lab Information

Please specify your Lab Name and Contact Email, then click Next.

*Lab Name:
Test Site

*Gmail Account (Some essential functions in eln are developed based on a "mailing" function, eg. reset user password, forward a content to friends, ...etc. We suggest you to get a free, dedicated email account from [google\[gmail\]](#) for this.):
test@gmail.com

*Password for Gmail:

About... ELN Website < Back Next > Cancel



Setup - ELN

Site Manager Information

You can use this account to manage the site.

Please specify Site Manager Account, then click Next.

*Account for Site Manager:(Please input [A-Z, a-z, 0-9])
user1

*Password for Site Manager:(Please input [A-Z, a-z, 0-9])

*Password confirmed:

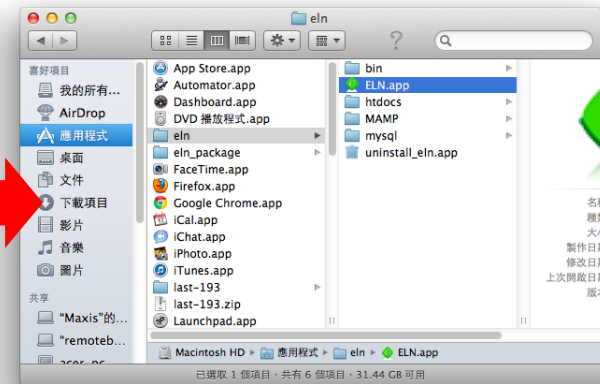
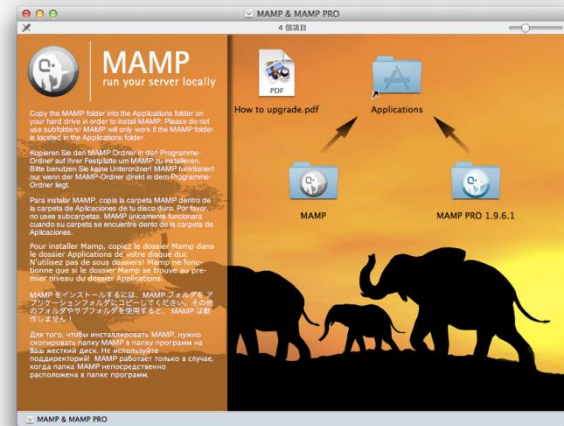
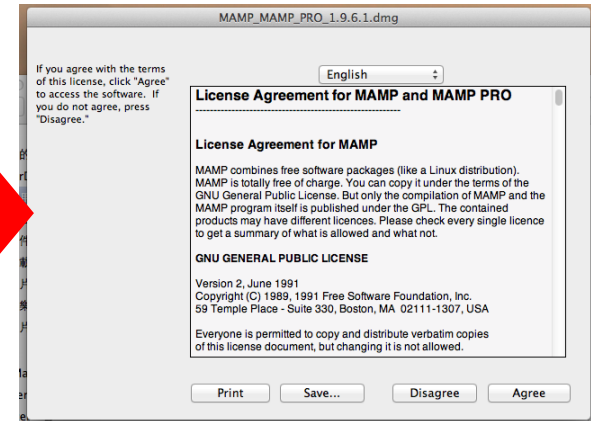
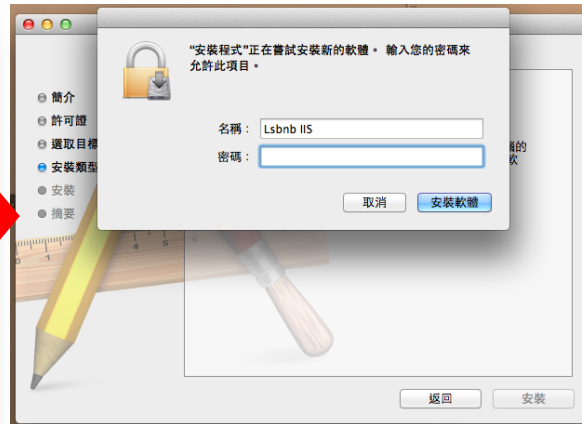
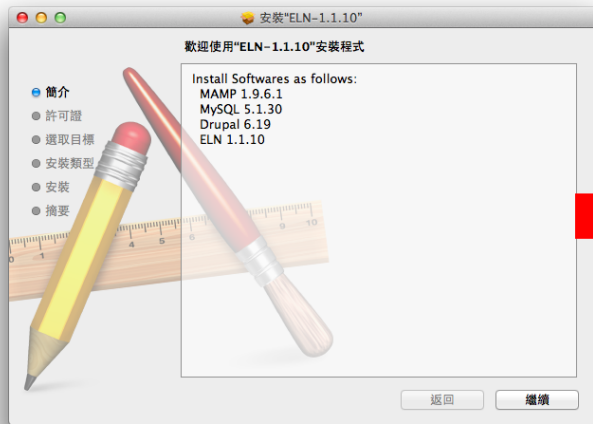
*Email for Site Manager:
user1@iis.sinica.edu.tw

About... ELN Website < Back Next > Cancel

HOW TO INSTALL – MAC VERSION



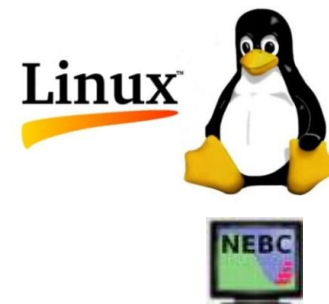
Download the installation file and run it



Drop MAMP folder to Applications

Run /Applications/eIn/ELN.app

HOW TO INSTALL – LINUX VERSION (1/8)

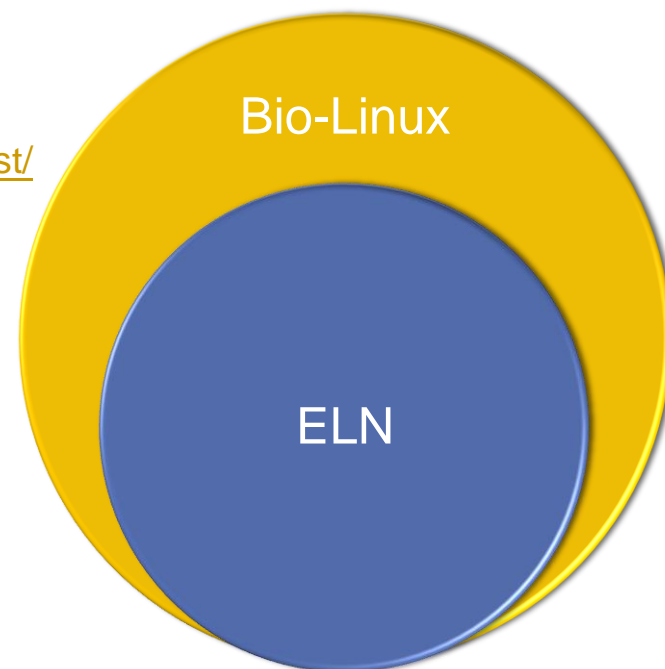


Bio-Linux

- Provides more than 500 bioinformatics programs on an Ubuntu Linux 12.04 LTS base
- Develop by NERC Environmental Bioinformatics Centre
- Software included on Bio-linux
 - <http://environmentalomics.org/bio-linux-software-list/>

Live DVD or install directly

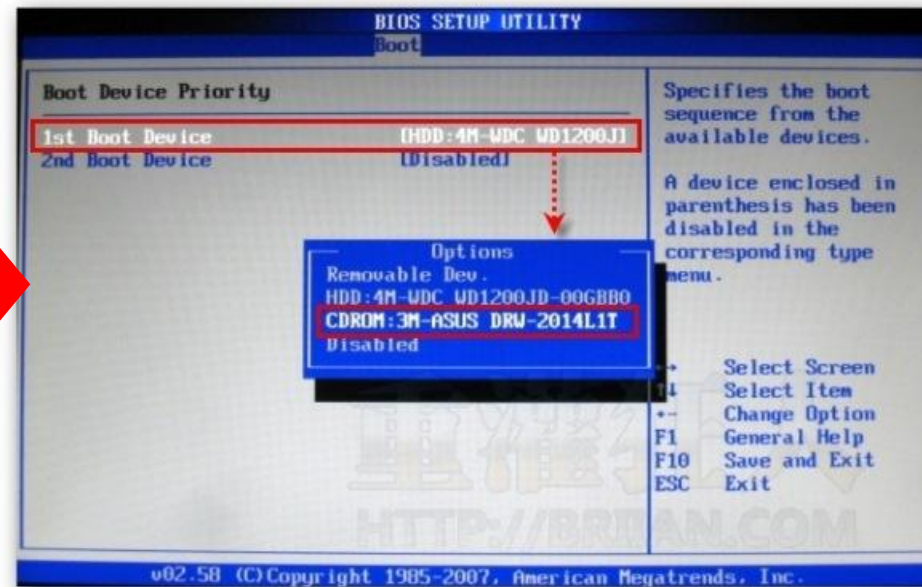
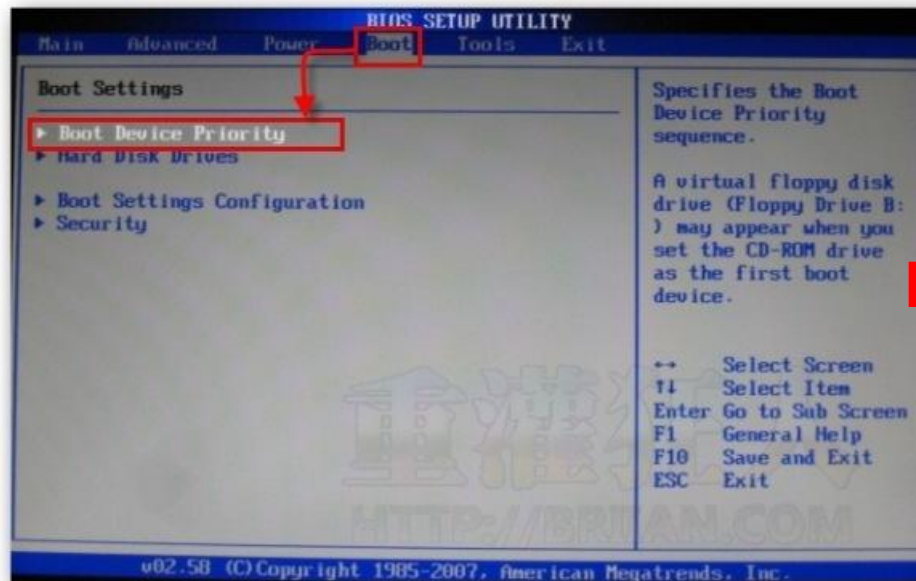
Download the ISO file and burn it to DVD



HOW TO INSTALL - LINUX VERSION (2/8)

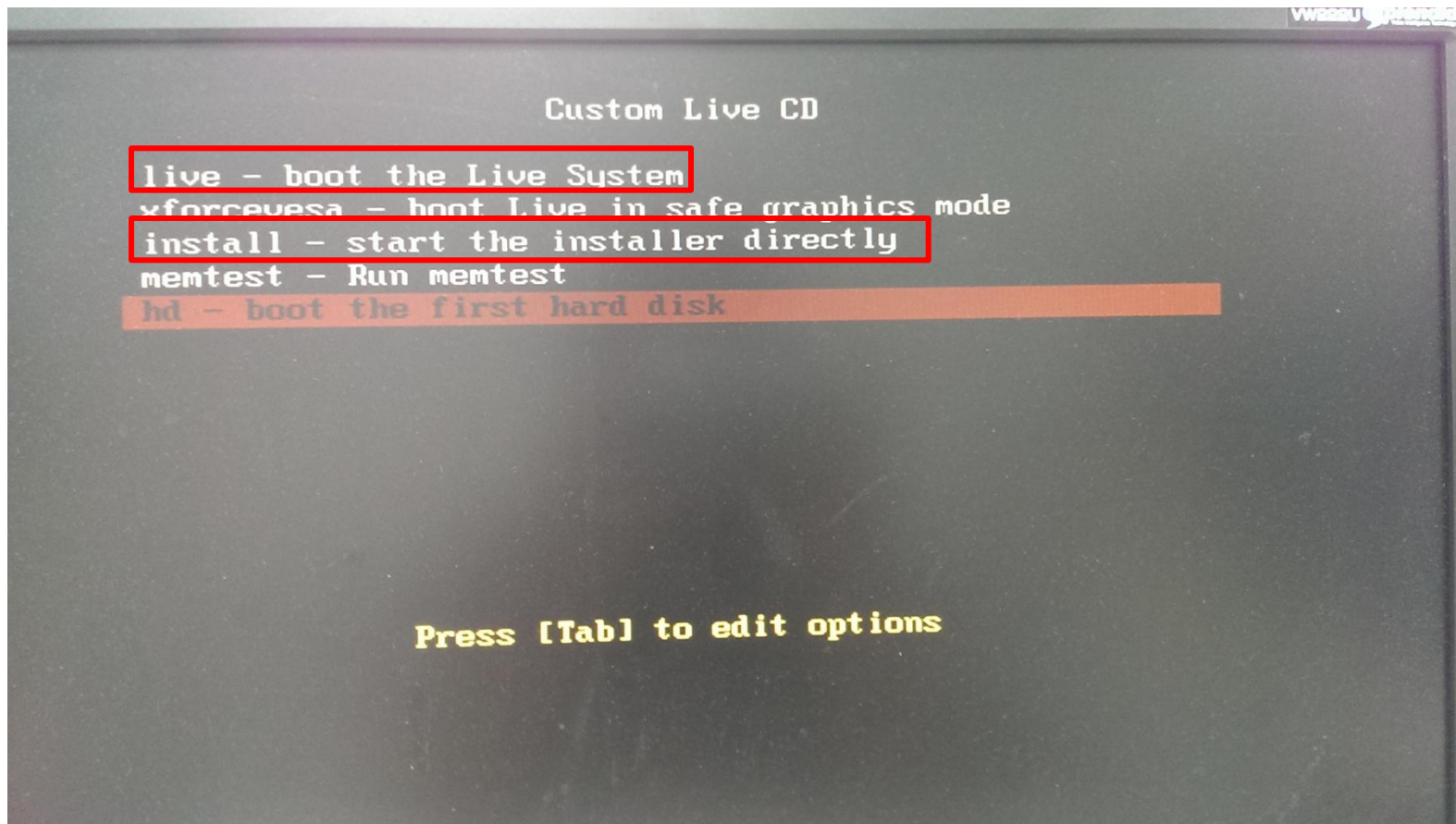
BIOS SETUP

Set first boot device is **CDROM**



HOW TO INSTALL – LINUX VERSION (3/8)

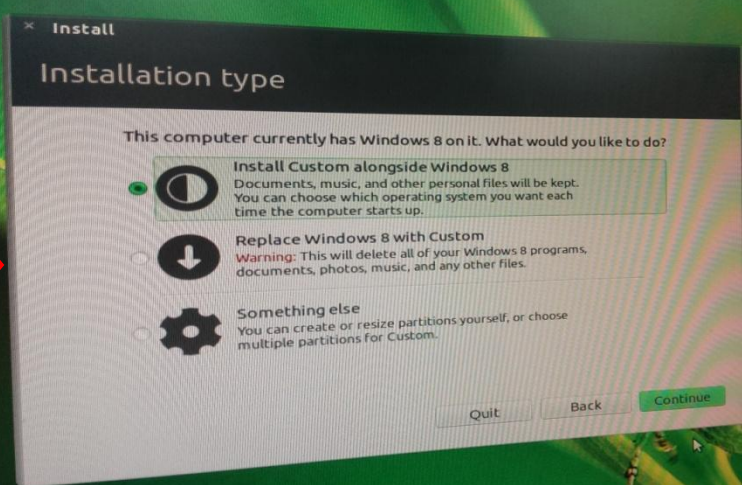
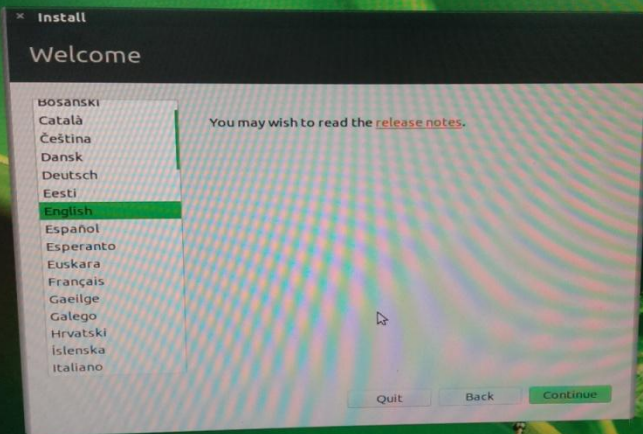
Insert the DVD into the DVD drive and restart your computer
You can boot from **live CD** or **install directly**



HOW TO INSTALL – LINUX VERSION (4/8)

Select your language

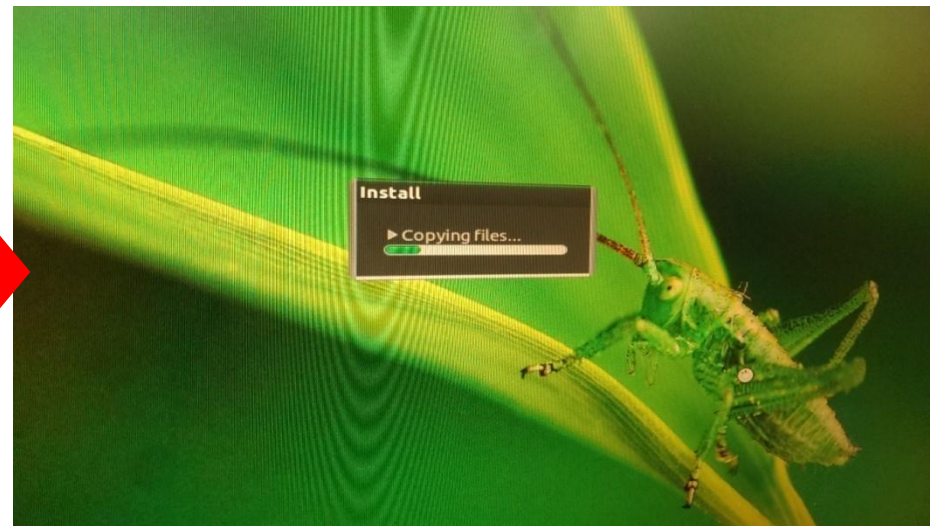
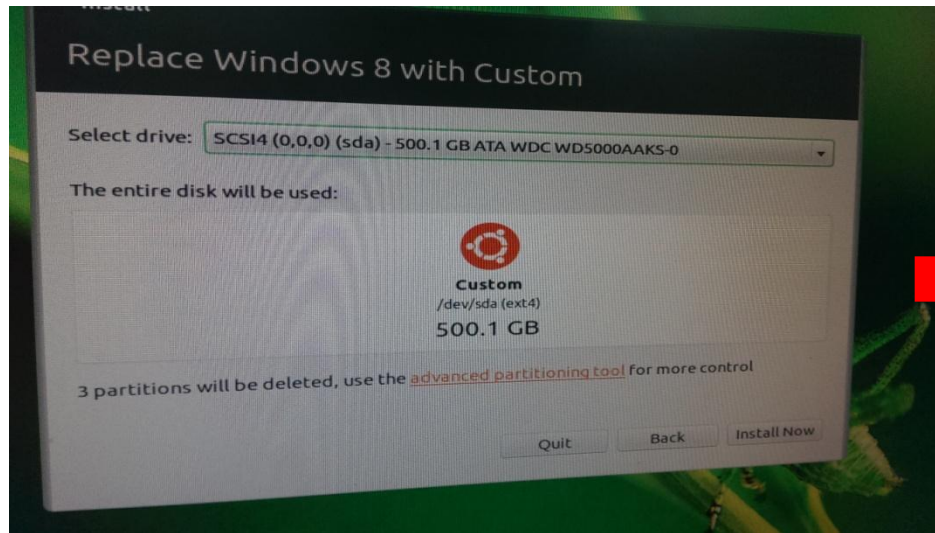
Double system or only one



HOW TO INSTALL – LINUX VERSION (5/8)

Select hard disk you want to install

Wait for copying files



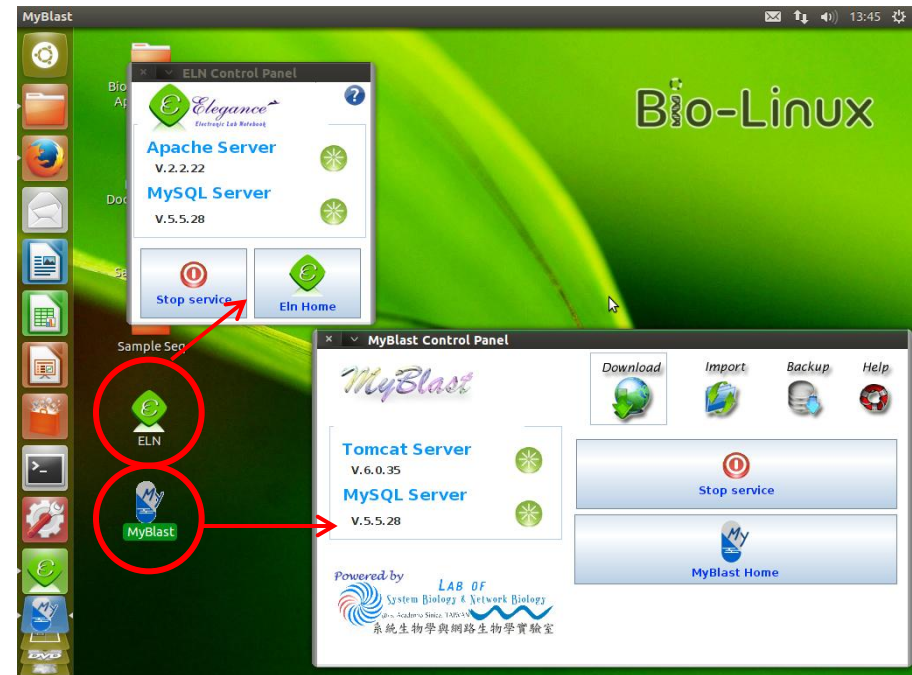
HOW TO INSTALL – LINUX VERSION (6/8)

After installing, remove DVD and press Enter

```
Checking battery status...
cpid: exiting
* Stopping MySQL Server
* Starting System V runlevel compatibility
* (plymouthd:22720): WARNING ***: Command line 'dbus-launch --autolaunch=7490bb37bd2e79f789e303a200000026 --binary-syntax --close-stderr' exited with non-zero status 1: Autolaunch error: X11 initialization failed.\n
* Stopping save sound card(s) mixer state(s)
* Starting Userspace bootplash utility
* Stopping LightDM Display Manager
* Starting Send an event to indicate plymouth is up
* Stopping Tomcat service: engine tomcat6
apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1 for ServerName
... waiting .. * Stopping web server apache2
Checking for running unattended-upgrades:
* Stopping MTA
NX> 100 NXSERVER - Version 3.2.0-74-SVN OS (GPL, using backend: 3.5.0)
NX> 500 Service was already stopped
NX> 999 Bye
NX> 100 NXSERVER - Version 3.2.0-74-SVN OS (GPL, using backend: 3.5.0)
NX> 500 Error: No running sessions found.
NX> 999 Bye
speech-dispatcher disabled; edit /etc/default/speech-dispatcher
* Starting Send an event to indicate plymouth is up
* Asking all remaining processes to terminate...
Please remove installation media and close the tray (if any) then press ENTER:
```

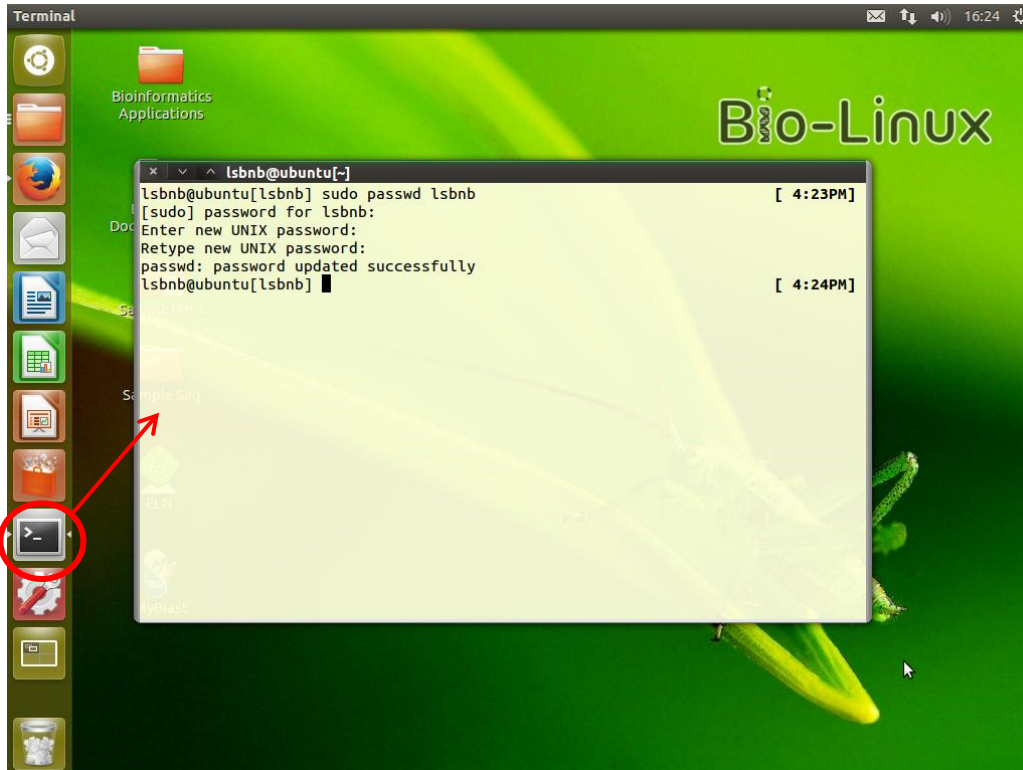
HOW TO INSTALL – LINUX VERSION (7/8)

The screen capture after installing



HOW TO INSTALL – LINUX VERSION (8/8)

CHANGE ADMIN PASSWORD

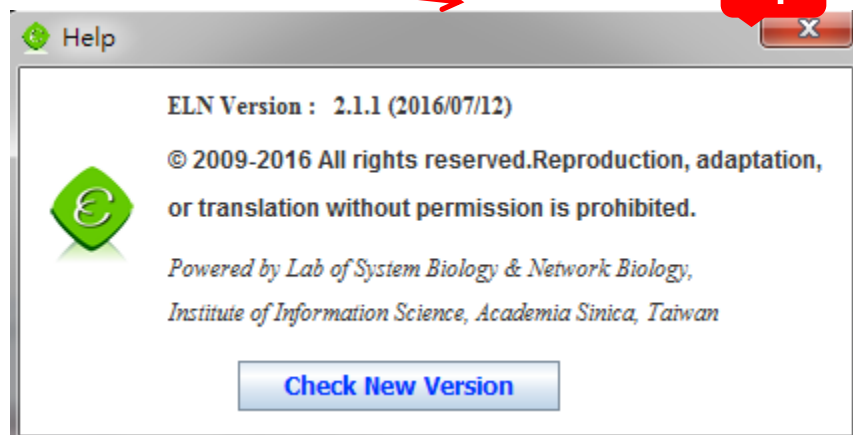
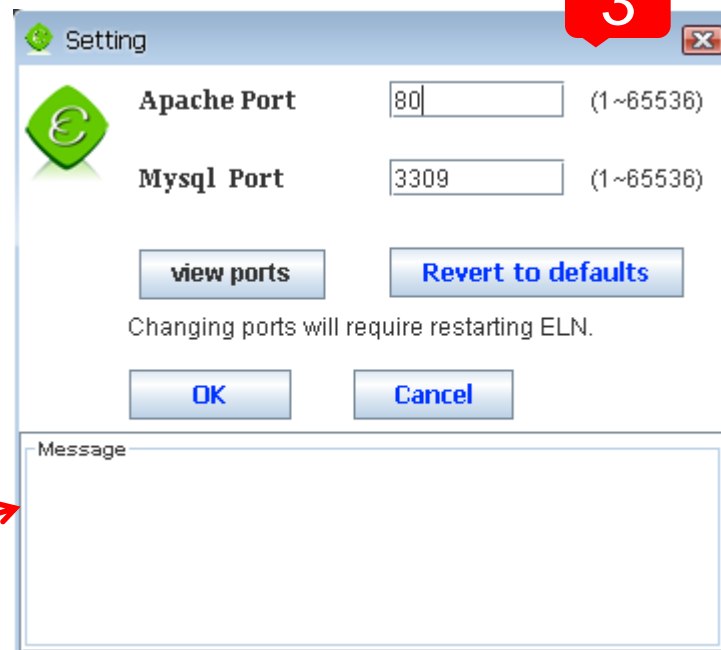


```
lsbnb@ubuntu[lsbnb] sudo passwd lsbnb [ 4:23PM]
[sudo] password for lsbnb:
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
lsbnb@ubuntu[lsbnb] [ 4:24PM]
```









1. Open terminal
2. Enter “sudo passwd lsbnb”
3. Password for lsbnb is “lsbnbiiis”
4. Enter new password

AFTER INSTALLATION, YOU WILL GET ELN SERVICE CONTROL PANEL

1. Apache & MySQL server start/stop
2. Go to ELN home page
3. Change Apache & MySQL port
4. Check new version



COMPARE WITH OTHER ELN SYSTEM

	IARC ELN	openBIS ELN	Our ELN
Development Team	International Agency for Research on Cancer, France	Swiss Institute of Bioinformatics, Switzerland	Institute of Information Science, Academia Sinica, Taiwan
Methods	WordPress, PHP, MySQL	openBIS	Drupal, PHP, MySQL
Operating System	Linux	openBIS	Windows, Linux, Mac OS
Installation Steps	<ol style="list-style-type: none"> 1. Install Linux, apache, MySQL, PHP 2. Customize WordPress 	<ol style="list-style-type: none"> 1. Download VirtualBox image 2. Install VirtualBox program to your OS 3. Import VirtualBox image 	<ol style="list-style-type: none"> 1. Download installation file 2. Enter your information step by step with clicks 
Images and Files Management	Insert to single post	Insert to single post	Personalize folder, reuse 
Editor(What You See Is What You Get)	Yes 	No	Yes 
Import data from file	No 	Yes 	No/ as attachment
Forum permission setting	No 	No	Yes 



Easy To Install

DEMO



FUTURE WORK

Audit trails

- ON/OFF Function
- Visualization



ELN online version



ELN NAS version



RELATED LINKS

ELN demo site

<http://elncloud.iis.sinica.edu.tw/elndemo>

Account for Lab Member (ID / Password = member / member)

ELN web site

<http://eln.iis.sinica.edu.tw/eln/>

Installation program download

http://eln.iis.sinica.edu.tw/eln/?q=download_eln

Online help video

<http://eln.iis.sinica.edu.tw/eln/?q=help>

Contact us

<http://eln.iis.sinica.edu.tw/eln/?q=contact>

