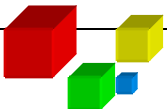
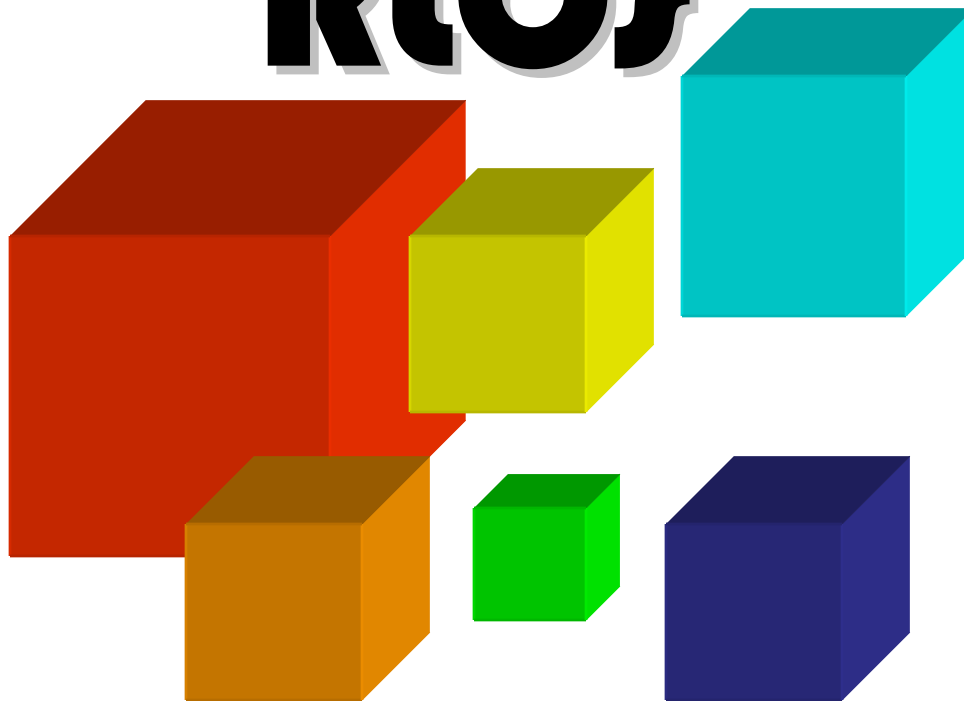


# EcoLearnIT Functions

Learning Objective: Learn how to use functions and tools provided by EcoLearnIT.

# RLOs



# Search RLOs

The screenshot shows the EcoLearnIT website in a web browser. The browser's address bar displays the URL <http://ecolearnit.ifas.ufl.edu/members/index.asp>. The website header features the EcoLearnIT logo and a user profile for Sabine Grunwald. The main content area contains a navigation menu on the left, a central grid of four large buttons, and two sidebars on the right. A red arrow points to the 'Search RLOs' button in the central grid.

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grunwald  
University of Florida  
(click to edit)

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

**Search RLOs**

**Develop A New RLO**

**View RLO Documentation**

**Continue An RLO**

**EcoLearnIT Statistics**  
RLOs in Development: 103  
RLOs In Review: 6  
RLOs Published: 65  
Current User Count: 233

**Search RLOs**  
Keywords

**Your RLOs**

In Development

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1 at TNAU
- Soil carbon
- Electronic Agriculture
- nursery techniques

In Review

- landscapingandornamental gardening

Published

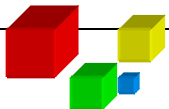
- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertigation in Banana

[Start A New RLO](#)

**Your Favorites**

- Water Management
- GIS

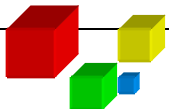
[Create A New Group](#)



# Basic Search

The screenshot shows the EcoLearnIT website interface. At the top, there is a navigation bar with links to Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. Below this, there is a search section titled 'Search for RLOs' with input fields for 'Keyword' and 'Author', and a 'Search' button. A red arrow points to this search section. To the right of the search fields, there is a link labeled '[ more options ]'. A red arrow points to this link, and the text 'Advanced search access' is written in red next to it. The website also features a sidebar with 'EcoLearnIT Statistics' and a list of 'Your Favorites'.

**Advanced search access**



# Advanced Search

The screenshot shows a web browser window with the URL `http://ecolearnit.ifas.ufl.edu/members/search.asp`. The page features the EcoLearnIT logo and a navigation menu on the left. The main content area is titled 'Search for RLOs' and contains several search criteria sections. A red arrow points to the 'Search for RLOs' title.

**EcoLearnIT**  
Reusable Learning Object System

**Search for RLOs**

**Title**

**Keyword**  **Author**

**Publication Date**  (mm/dd/yyyy) to  (mm/dd/yyyy)

**Ranking**

- ☐ 1: Basic/very simple learning materials
- ☐ 2: Simple learning materials
- ☐ 3: Somewhat complex learning materials
- ☐ 4: Medium to complex learning materials
- ☐ 5: Very complex/advanced learning materials

**Target Audience**

- ☐ High school level; continued education
- ☐ Extension/outreach
- ☐ Undergraduate level (B.S.)
- ☐ Graduate level (M.S. and Ph.D.)
- ☐ Post-graduate level; advanced science
- ☐ Other

**Rating**  **Status**

[\[ less options \]](#)

**EcoLearnIT Statistics**

- RLOs in Development: 103
- RLOs In Review: 6
- RLOs Published: 65
- Current User Count: 233

**Search RLOs**

**Keywords**

**Other bookmarks**

- Web Slice Gallery
- Die Welt
- SWS
- EcoLearnIT
- Google
- SWS Education Portal

**Sabine Grunwald**  
University of Florida  
(click to ...)

**You**

- In Development
- ☒ Spatial au
- ☒ Soil-Wate
- ☒ Demo 1 a
- ☒ Soil carbo
- ☒ Electronic
- ☒ nursery t

**In Review**

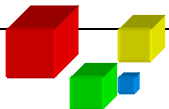
- ☒ landscaping
- ☒ gardening

**Published**

- ☒ GIS and v
- ☒ Managemel
- ☒ Harvestin
- ☒ Sustainab
- ☒ Managemel
- ☒ Assessing
- ☒ Performanc
- ☒ Irrigation S
- ☒ Drip Fertil
- ☒ Banana

**Your**

- ☒ Water M
- ☒ GIS

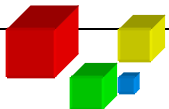


# Participation – Rating of RLOs

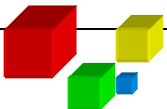
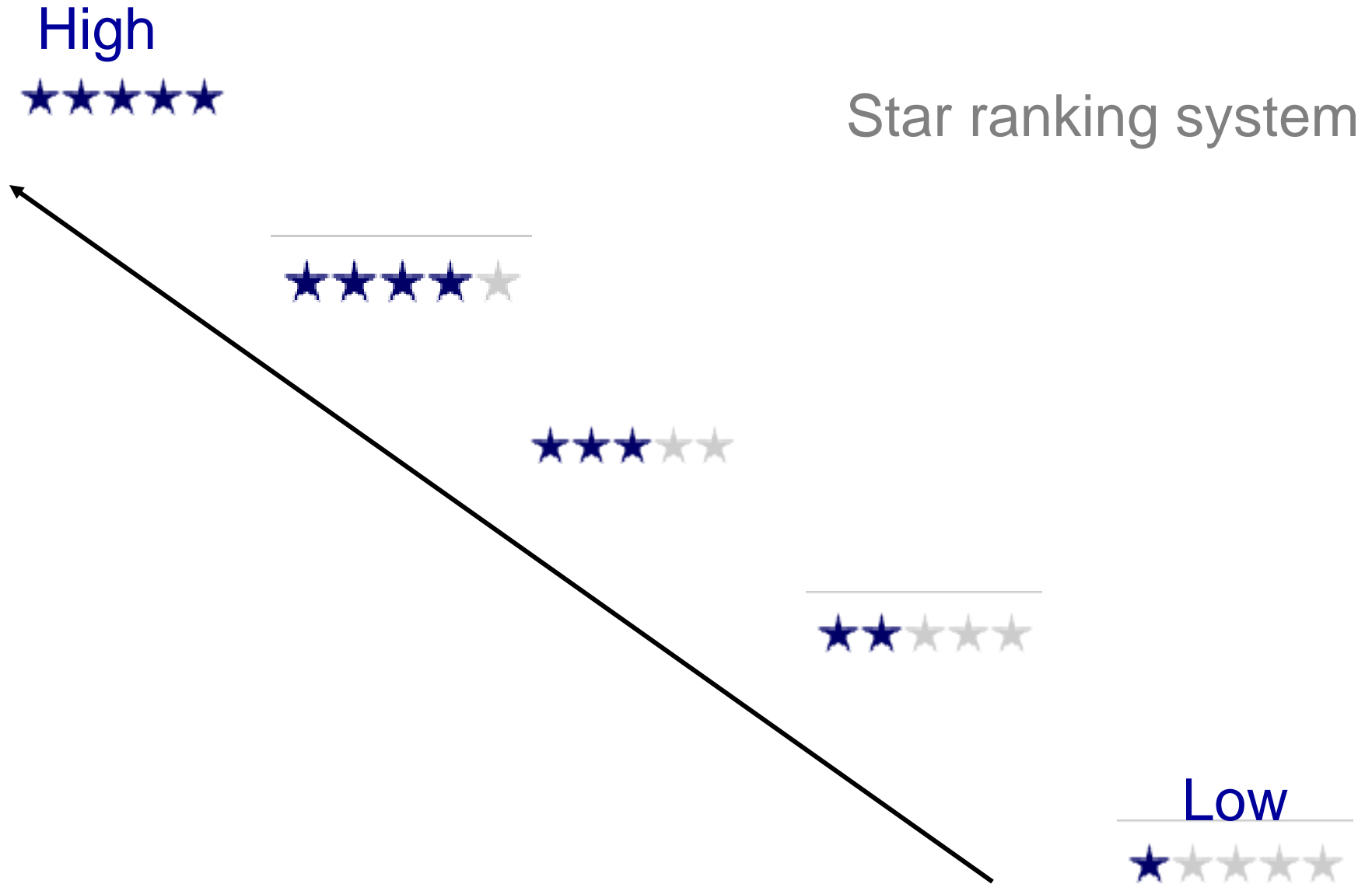
The screenshot shows the EcoLearnIT website in a Windows Internet Explorer browser. The address bar displays <http://ecolearnit.ifas.ufl.edu/members/search.asp>. The website header features the EcoLearnIT logo and a user profile for Sabine Grunwald, University of Florida. A red arrow points to the star ranking of the first search result, "GIS and Water Management", which has a rating of 5 stars (1 rating). The search results list includes:

- GIS and Water Management** (1 ratings) ★★★★★  
A brief introduction to geographic information systems and functions is provided. Applications of GIS to support water management are given and a case study in the Santa Fe River Watershed (northeast Florida, U.S.) presented.  
Keywords: Geographic Information System (GIS), water management, spatial data, watershed resource inventory  
[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=16&final\\_id=6](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=16&final_id=6)
- Sustainable Watershed Management** (1 ratings) ★★★★★  
A multi-step procedure is presented to assemble various properties including physical, chemical, biological, hydrological, socio-demographic, and economic data to characterize a watershed. The watershed inventory is implemented within a spatially and temporally explicit framework. Sustainable waters...

The right sidebar, titled "Your RLOs", lists items under "In Development", "In Review", and "Published". The "Published" section includes "GIS and Water Management" and "Harvesting Rainwater".



# Participation – Rating of RLOs





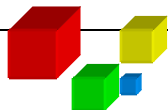
# Access Published RLOs: Publication List

The screenshot shows the EcoLearnIT website interface. The browser address bar displays [http://ecolearnit.ifas.ufl.edu/members/rlo\\_list.asp](http://ecolearnit.ifas.ufl.edu/members/rlo_list.asp). The website header includes the EcoLearnIT logo and a user profile for Sabine Grunwald. The main content area is divided into several sections:

- Left Navigation Menu:** Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, Support. A red arrow points to "Published RLOs".
- EcoLearnIT Statistics:** RLOs in Development: 103, RLOs In Review: 6, RLOs Published: 65, Current User Count: 233.
- Search RLOs:** A search box with a "search" button. A red arrow points to this section.
- Published RLOs List:** A table of published RLOs with columns for date, title, and author.
- Your RLOs:** A section for user-specific RLOs, including "In Development", "In Review", and "Published" items.
- Your Favorites:** A section for favorite RLOs, including "Water Management" and "GIS".

**Published RLOs List:**

Date	Title	Author
2009		
7/10/2009	Estimating Efficiency of Production: Basics	Richard Mulwa
7/10/2009	Urbanization Impacts on Stream Water Quality	Lori Clark
7/10/2009	Drafting Soil Field Data into Pedon PC Tables	Julie Ruh
7/5/2009	Methyl Mercury and Implications to the Health of South Florida	Kathleen McCallion
7/5/2009	Sinkholes in Florida	Rupesh Bhomia, Louis Philor
7/5/2009	Brownfield Sites	Jennifer Clafin
5/10/2009	Creating A Custom Cartographic Map Template in ArcGIS	Pamela Brown
5/10/2009	Digital Elevation Models in GIS	Amy Maguire
5/10/2009	Keypoints to HEC-GeoRAS Modeling	Stephen Hanks
4/29/2009	Phosphorus Transformations in Soil	Kathleen Lockhart
4/29/2009	Drip Fertigation in Banana	Indumathy Kanniappan, Karthikeyan Chandrasekaran, Sabine Grunwald, Venkata Pirabu, Brandon Hoover



# Develop or Continue to Develop an RLO

The screenshot shows the EcoLearnIT web interface. The browser address bar displays <http://ecolearnit.ifas.ufl.edu/members/index.asp>. The page features a navigation menu on the left, a central grid of four buttons, and two sidebars on the right.

**Navigation Menu (Left):**

- Home
- User Administration
- Category Administration
- RLOs To Review
- Search RLOs
- Published RLO List
- Documentation
- Support

**EcoLearnIT Statistics:**

- RLOs in Development: 103
- RLOs In Review: 6
- RLOs Published: 65
- Current User Count: 233

**Search RLOs:**

Keywords:

**Central Buttons:**

- Search RLOs
- Develop A New RLO
- View RLO Documentation
- Continue An RLO

**Your RLOs (Right Sidebar):**

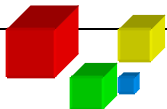
- In Development:**
  - Spatial autocorrelation
  - Soil-Water Interaction
  - Demo 1 at TNAU
  - Soil carbon
  - Electronic Agriculture
  - nursery techniques
- In Review:**
  - landscapingandornamental gardening
- Published:**
  - GIS and Water Management
  - Harvesting Rainwater
  - Sustainable Watershed Management
  - Assessing the Performance of Tank Irrigation System
  - Drip Fertigation in Banana

[Start A New RLO](#)

**Your Favorites (Right Sidebar):**

- Water Management
- GIS

[Create A New Group](#)





# Develop or Continue to Develop an RLO

The screenshot shows the EcoLearnIT website interface. At the top, there's a navigation bar with links like 'Web Slice Gallery', 'Die Welt', 'SWS', 'EcoLearnIT', 'Google', and 'SWS Education Portal'. The main header features the 'EcoLearnIT Reusable Learning Object System' logo and a user profile for 'Sabine Grunwald, University of Florida'. The central area has four large colored buttons: 'Search RLOs' (green), 'Develop A New RLO' (blue), 'View RLO Documentation' (blue), and 'Continue An RLO' (green). On the left, there's a sidebar with 'Home' and 'User Administration' links, and a 'Search RLOs' box. On the right, there's a 'Your RLOs' section with a list of RLOs categorized by status: 'In Development' (red), 'In Review' (yellow), and 'Published' (green). Below this is a 'Your Favorites' section. The bottom of the page has a footer with the University of Florida logo and the text 'By Sabine Grunwald'.

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

EcoLearnIT Statistics  
RLOs in Development: 103  
RLOs In Review: 6  
RLOs Published: 65  
Current User Count: 233

Search RLOs  
Keywords  
  
search

Your RLOs

In Development

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1 at TNAU
- Soil carbon
- Electronic Agriculture
- nursery techniques

In Review

- landscapingandornamental gardening

Published

- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertigation in Banana

Start A New RLO

Your Favorites

- Water Management
- GIS

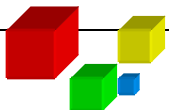
Create A New Group

RLOs that  
user developed  
(or co-developed)

Red: In  
development

Yellow: In review  
(not accessible because  
RLOs are assessed by  
reviewers and Editor)

Green: Published  
(finalized)



# Develop a New RLO

The screenshot shows the EcoLearnIT Reusable Learning Object System interface. A red arrow points to the 'Develop A New RLO' button, which is highlighted with a red border. A red text label 'Select RLO title' is positioned next to the arrow. A small dialog box titled 'Start A New RLO' is open, showing a text input field for 'RLO Title:' and a 'Create RLO' button. The interface includes a navigation menu on the left, a central area with four large buttons ('Search RLOs', 'Develop A New RLO', 'View RLO Documentation', 'Continue An RLO'), and a right sidebar with sections for 'Your RLOs' (In Development, In Review, Published) and 'Your Favorites'.

EcoLearnIT Reusable Learning Object System

Select RLO title

Start A New RLO

RLO Title:

Create RLO

Search RLOs

Develop A New RLO

View RLO Documentation

Continue An RLO

Home

User Administration

Category Administration

RLOs To Review

Search RLOs

Published RLO List

Documentation

Support

EcoLearnIT Statistics

RLOs in Development: 103

RLOs In Review: 6

RLOs Published: 65

Current User Count: 233

Search RLOs

Keywords:

search

Your RLOs

In Development

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1 at TNAU
- Soil carbon
- Electronic Agriculture
- nursery techniques

In Review

- landscaping and ornamental gardening

Published

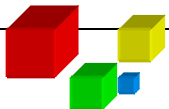
- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertigation in Banana

Start A New RLO

Your Favorites

- Water Management
- GIS

Create A New Group



# Enter RLO Information

- RLO title
- Author / co-authors
- Title image (optional)
- Learning objective
- Abstract
- Ranking
- Target audience
- Keywords
- Acknowledgement
- References

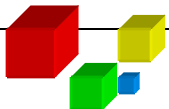
Info bubbles  
provide information  
and help

The screenshot shows the 'EcoLearnIT - Reusable Learning Object' web application. The main form is titled 'RLO Information' and includes a 'Preview This RLO' button. The form fields are as follows:

- Title:** A text input field containing 'Soil carbon'.
- RLO Authors:** Two author entries are shown: Sabine Grunwald (University of Florida) and Brandon Hoover (University of Florida). There is an 'Add An Author' button.
- Title Image:** A placeholder image showing the 'EcoLearnIT' logo with a 'click to change' link.
- Learning Objectives:** A large text area for entering learning objectives.
- Abstract:** A text area containing 'xxxxxx'.
- Keywords:** A text input field containing 'soil carbon, key 2, key 3, key 4, key 5'.
- Ranking:** A dropdown menu set to '1: Basic/very simple learning materials'.
- Target Audience:** A dropdown menu set to 'High school level; continued education'.
- Acknowledgments:** A text area with an 'add acknowledgment' button.
- References:** A text area with an 'add reference' button.

At the bottom of the page, there is a 'Save Information' button and a footer with the University of Florida logo and copyright information: '© 2006 - 2009 All Rights Reserved - The University of Florida - IFAS - Soil & Water Science Department'.

Keywords: Minimum  
of five keywords that  
describe the RLO  
separated by comma



# Authors and Co-authors

The first (senior) author creates an RLO and has the option to add co-authors

(note: The first author cannot be changed once established)

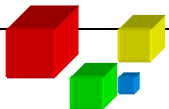
An author team can jointly develop / work on an RLO

The screenshot shows the EcoLearnIT web application interface for creating a Reusable Learning Object (RLO). The browser address bar shows the URL: [http://ecolearnit.ifas.ufl.edu/members/edit\\_rlo.asp?rlo\\_id=105](http://ecolearnit.ifas.ufl.edu/members/edit_rlo.asp?rlo_id=105). The interface includes a navigation menu on the left with links like Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. A statistics box shows: RLOs in Development: 103, RLOs In Review: 6, RLOs Published: 65, and Current User Count: 233. A search box for RLOs is also present.

The main content area is titled 'RLO Information' and includes a 'Preview This RLO' button. The form fields are as follows:

- Title:** Soil carbon
- RLO Authors:** Sabine Grunwald (University of Florida) and Brandon Hoover (University of Florida). There is an 'Add An Author' button.
- Title Image:** EcoLearnIT logo with a 'click to change' link.
- Learning Objectives:** An empty text area.
- Abstract:** A text area containing 'xxxxxx'.
- Keywords:** A text area containing 'soil carbon, key 2, key 3, key 4, key 5'.
- Ranking:** A dropdown menu set to '1: Basic/very simple learning materials'.
- Target Audience:** A dropdown menu set to 'High school level; continued education'.
- Acknowledgments:** A text area with an 'add acknowledgment' button.
- References:** A text area with an 'add reference' button.

At the bottom, there is a 'Save Information' button and a footer with the University of Florida logo, 'Terms & Conditions', and copyright information: © 2006 - 2009 All Rights Reserved - The University of Florida - IFAS - Soil & Water Science Department.





# Upload Knowledge / Instruction Components

Upload files  
In various  
formats

Preview RLO after  
uploading all files

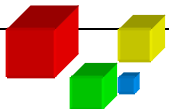
The screenshot shows the EcoLearnIT web interface. The browser address bar displays the URL: [http://ecolearnit.ifas.ufl.edu/members/edt\\_rlo.asp?rlo\\_id=105](http://ecolearnit.ifas.ufl.edu/members/edt_rlo.asp?rlo_id=105). The page title is "EcoLearnIT Reusable Learning Object System".

On the left, a navigation menu lists: Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. Below this is the "EcoLearnIT Statistics" section, showing: RLOs in Development: 103, RLOs In Review: 6, RLOs Published: 65, and Current User Count: 233. There is also a "Search RLOs" section with a "Keywords" input field and a "search" button.

The main content area is titled "Knowledge / Instruction" and features a "Preview This RLO" button. It displays "Current Content" with two items: "1. text file with information on soil carbon (general)" and "2. Power Point file - soil carbon in FL". Below this is an "Add New Content" section with a "Title:" input field, a "File:" input field with a "Choose File" button, and a "Description:" text area. A note states: "DOC, TXT, PPT and ZIP files are converted every 2 minutes and are available for RLO preview at that time." Below the "File:" field, it lists "Accepted Formats: DOC, TXT, JPG, PNG, GIF, FLV, MP3, SWF, PPT, PPTX". There is a "Zipped:" section with two radio buttons: "Not Zipped" (selected) and "Adobe Presenter Presentation (Zipped)". At the bottom of this section is an "upload content" button.

On the right, a sidebar titled "Your RLOs" lists "In Development" items: Spatial autocorrelation, Soil-Water Interaction, Demo 1 at TNAU, Soil carbon, Electronic Agriculture, and nursery techniques. It also lists "In Review" items: landscaping and ornamental gardening. Under "Published", it lists: GIS and Water Management, Harvesting Rainwater, Sustainable Watershed Management, Assessing the Performance of Tank Irrigation System, and Drip Fertigation in Banana. At the bottom of the sidebar is a "Start A New RLO" button.

View / modify /  
delete  
uploaded files  
(e.g. change  
sequence  
in which files  
are shown in  
RLO with arrows)





# Upload Knowledge / Instruction Components

Provide short title for the file that was uploaded

Add a short description in this box to describe the content of the uploaded file (this text will be plotted into the RLO viewer if images are uploaded; otherwise the metadata will help users when they search for content)

The screenshot shows the EcoLearnIT web interface. The main content area is titled 'Knowledge / Instruction' and contains a form for uploading new content. The form has several sections: 'Current Content' (listing two items: '1. text file with information on soil carbon (general)' and '2. Power Point file - soil carbon in FL'), 'Upload a New Content' (with a 'Preview This RLO' button), 'Title' (a text input field), 'File' (a 'Choose File' button and 'No file chosen' text), 'Description' (a large text area), and 'Zipped' (radio buttons for 'Not Zipped' and 'Adobe Presenter Presentation (Zipped)'). A red arrow points from the 'Provide short title for the file that was uploaded' text to the 'Title' field. Another red arrow points from the 'Add a short description in this box...' text to the 'Description' text area. A third red arrow points from the 'Add a short description...' text to the 'Zipped' section. The interface also includes a left sidebar with navigation links (Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, Support) and 'EcoLearnIT Statistics' (RLOs in Development: 103, RLOs In Review: 6, RLOs Published: 65, Current User Count: 233). The right sidebar shows 'Your RLOs' (In Development: Spatial autocorrelation, Soil-Water Interaction, Demo 1 at TNAU, Soil carbon, Electronic Agriculture, nursery techniques; In Review: landscaping and ornamental gardening; Published: GIS and Water Management, Harvesting Rainwater, Sustainable Watershed Management, Assessing the Performance of Tank Irrigation System, Drip Fertigation in Banana) and 'Your Favorites'.

Current Content

- 1. text file with information on soil carbon (general)
- 2. Power Point file - soil carbon in FL

Upload a New Content

Preview This RLO

DOC, TXT, PPT and ZIP files are converted every 2 minutes and are available for RLO preview at that time.

Title:

File:  No file chosen

Accepted Formats: DOC, TXT, JPG, PNG, GIF, FLV, MP3, SWF, PPT, PPTX

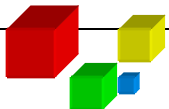
Description:

Zipped:

If the file is a zipped presentation from Adobe Presenter, please mark the appropriate selection.

☒ Not Zipped

☐ Adobe Presenter Presentation (Zipped)

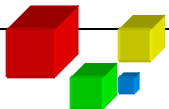


# Upload Knowledge / Instruction Components

Upload of  
Adobe Presenter  
(AP) files:

Zip the AP file within  
the AP software. Do  
not use an external  
compression  
software, such as  
Winzip,  
to compress)

The screenshot shows the EcoLearnIT web interface. The main content area is titled 'Knowledge / Instruction' and includes a 'Preview This RLO' button. Below the title, there are two sections: 'Current Content' and 'Upload a New Content'. The 'Current Content' section lists two items: '1. text file with information on soil carbon (general)' and '2. Power Point file - soil carbon in FL'. The 'Upload a New Content' section contains a 'Title' field, a 'File' field with a 'Choose File' button, a 'Description' text area, and a 'Zipped' section with two radio buttons: 'Not Zipped' (selected) and 'Adobe Presenter Presentation (Zipped)'. A red arrow points from the text 'Zip the AP file within the AP software' to the 'Zipped' section. A box above the 'File' field states: 'DOC, TXT, PPT and ZIP files are converted every 2 minutes and are available for RLO preview at that time.' The 'Accepted Formats' are listed as DOC, TXT, JPG, PNG, GIF, FLV, MP3, SWF, PPT, PPTX. At the bottom of the form is an 'upload content' button. The left sidebar contains navigation links like 'Home', 'User Administration', 'Category Administration', 'RLOs To Review', 'Search RLOs', 'Published RLO List', 'Documentation', and 'Support'. It also includes 'EcoLearnIT Statistics' showing 103 RLOs in Development, 6 in Review, 65 Published, and 233 Current Users. A 'Search RLOs' section with a 'Keywords' field and a 'search' button is also present. The right sidebar shows 'Your RLOs' with categories 'In Development', 'In Review', and 'Published', each with a list of RLO titles. A 'Start A New RLO' link is at the bottom of the 'Published' list. The top of the page shows the user 'Sabine Grunwald' from the 'University of Florida' with a 'click to edit' link and a profile picture.

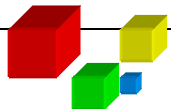


# Enter Assessment Questions

The screenshot shows the 'EcoLearnIT - Reusable Learning Object System' interface. The main content area is titled 'RLO Assessment' and contains a list of questions. The interface includes a left sidebar with navigation links, a top navigation bar, and a right sidebar with 'Your RLOs'.

**Annotations:**

- Enter set of correct and incorrect answers:** Points to the list of answers for Question 1:
  - ✗ 1000 Pg C
  - ✓ 1600 Pg C
  - ✗ 3000 Pg C
  - ✗ 500 Pg C
- Flag correct answers (green):** Points to the green checkmark next to '1600 Pg C'.
- Upload image (optional):** Points to the 'No Image' button for Question 1.
- Enter question:** Points to the text input field for Question 3.
- Select question type:** Points to the 'Question Type' dropdown menu set to 'True/False'.
- Enter points for question:** Points to the 'Points' input field.



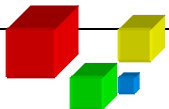
# Submission of RLO

Preview RLO before submission (authors and co-authors jointly review the developed RLO and after all agree it can be submitted)

The screenshot shows the EcoLearnIT web interface. At the top, the browser address bar displays the URL: [http://ecolearnit.ifas.ufl.edu/members/edt\\_rlo.asp?rlo\\_id=105](http://ecolearnit.ifas.ufl.edu/members/edt_rlo.asp?rlo_id=105). The page header includes the EcoLearnIT logo and the text "Reusable Learning Object System". On the right, a user profile for Sabine Grunwald, University of Florida, is shown with a "click to edit" link. The main navigation bar contains tabs for "RLO Information", "Knowledge", "RLO Assessment", "Submission", and "Reviews". The "Submission" tab is active, showing a "Submission" section with a "Preview This RLO" button. Below this, a "Check Your RLOs Status" button is visible. A list of checkboxes for RLO components is provided: Title, Objective, Abstract, Minimum Keywords, Content, and Assessment. At the bottom of the submission section is a "Submit Your RLO for Review" button. On the right side, a "Your RLOs" section lists various RLOs under three categories: "In Development", "In Review", and "Published".

**Check if all components are included in RLO**

**Submit RLO**





# Submission of RLO

After external reviewers evaluated the submitted RLO and Editor returns RLO to authors for revisions the comments are listed under the 'Review' tab

The screenshot shows the EcoLearnIT web application interface. The browser address bar displays the URL: [http://ecolearnit.ifas.ufl.edu/members/edt\\_rlo.asp?rlo\\_id=105](http://ecolearnit.ifas.ufl.edu/members/edt_rlo.asp?rlo_id=105). The page header includes the EcoLearnIT logo and the user profile of Sabine Grunwald, University of Florida. A red arrow points from the text above to the 'Reviews' tab in the navigation bar. The 'Reviews' tab is active, showing a 'Reviews 2' indicator and a 'Preview This RLO' button. Below the tab, it states 'Your reviewer's comments are listed below.' The left sidebar contains navigation links such as Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. The bottom left features 'EcoLearnIT Statistics' and a 'Search RLOs' section. The right sidebar, titled 'Your RLOs', lists various RLOs categorized as 'In Development', 'In Review', and 'Published'.

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grunwald  
University of Florida  
(click to edit)

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

**RLO Information** → **Knowledge** → **RLO Assessment** → **Submission** → **Reviews**

Reviews 2  
Your reviewer's comments are listed below.

[Preview This RLO](#)

**EcoLearnIT Statistics**  
RLOs in Development: 103  
RLOs In Review: 6  
RLOs Published: 65  
Current User Count: 233

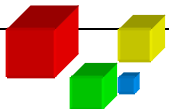
**Search RLOs**  
Keywords

**Your RLOs**

**In Development**  
Spatial autocorrelation  
Soil-Water Interaction  
Demo 1 at TNAU  
Soil carbon  
Electronic Agriculture  
nursery techniques

**In Review**  
landscapingandornamental gardening

**Published**  
GIS and Water Management  
Harvesting Rainwater  
Sustainable Watershed Management  
Assessing the Performance of Tank Irrigation System  
Drip Fertigation in Banana  
Start A New RLO

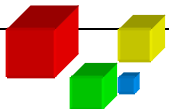




# Favorites – Group RLOs

The screenshot shows the EcoLearnIT website interface. The browser address bar displays the URL: [http://ecolearnit.ifas.ufl.edu/members/edt\\_rlo.asp?rlo\\_id=105](http://ecolearnit.ifas.ufl.edu/members/edt_rlo.asp?rlo_id=105). The page features a navigation menu on the left with links: Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. The main content area shows the 'Reviews' section for a specific RLO, with a 'Preview This RLO' button. The 'Your RLOs' section on the right lists RLOs in Development, In Review, and Published states. The 'Your Favorites' section at the bottom right lists 'Water Management' and 'GIS' with a 'Create A New Group' button. A red arrow points from the text 'Create groups of RLOs under a common theme' to the 'Your Favorites' section.

Create groups of RLOs under a common theme  
(sequencing of RLOs into a group or learning unit)



# Favorites – Group RLOs

EcoLearnIT - Reusable Learning Object System

http://ecolearnit.ifas.ufl.edu/members/index.asp

File Edit View Favorites Tools Help

Convert Select

Grünwald S., 2008 Sustainable \ Search Radio Player 79° Radio Locator New Music NEWS Shanna Moakler Sees Heidi ... Amazon

EcoLearnIT - Reusable Learning Object System

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grünwald  
University of Florida  
(click to edit)

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

**Search RLOs**

**Develop A New RLO**

**View RLO Documentation**

**Continue An RLO**

**Your RLOs**

In Development

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1
- Soil carbon
- Test

In Review

No RLOs being reviewed

Published

- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertilization in Banana

Start A New RLO

**Your Favorites**

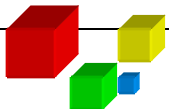
- Group 1

Create A New Group

**Your Favorites**

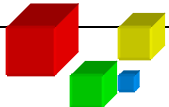
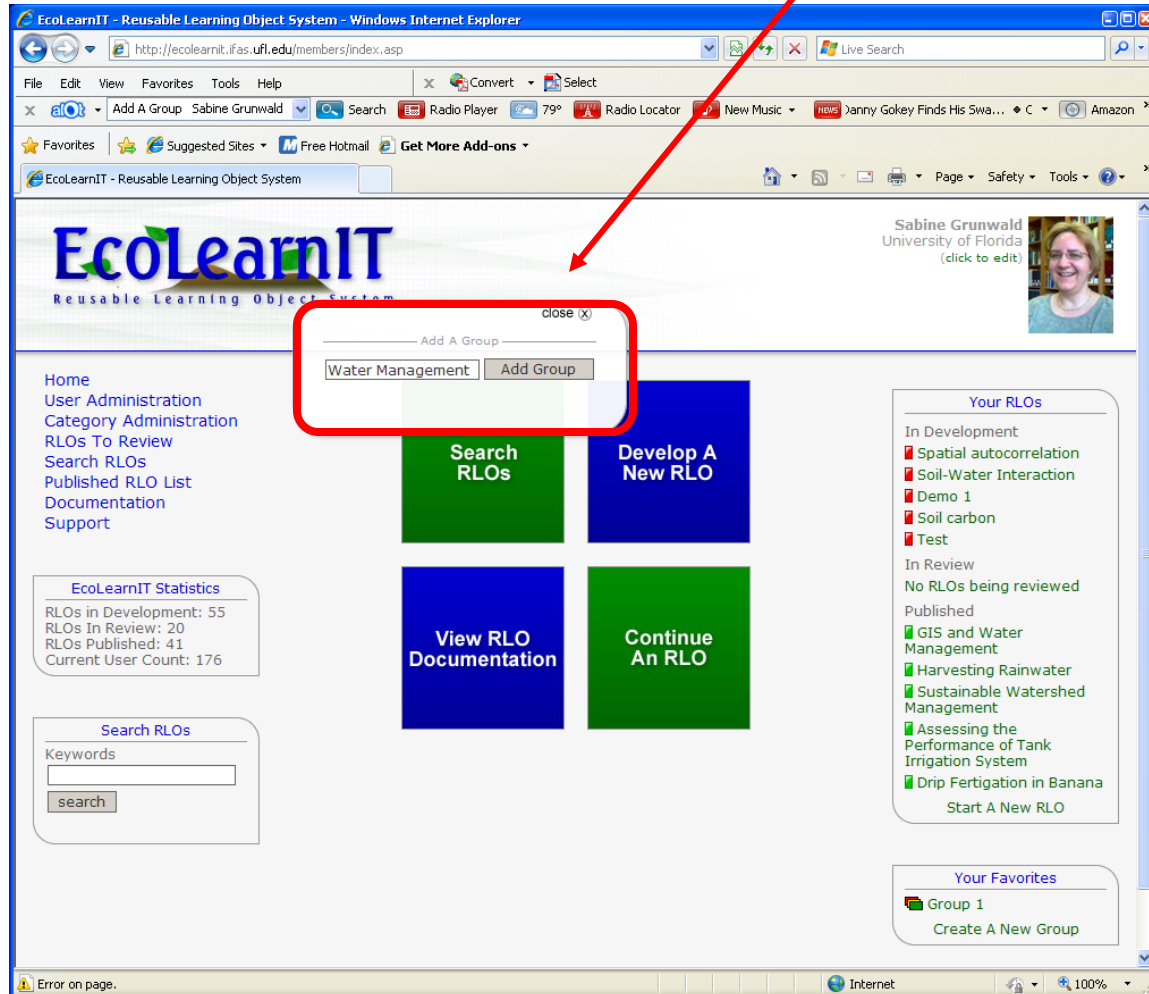
- Group 1

Create A New Group



# Favorites – Group RLOs

Create a new Group called “Water Management”



# Favorites – Group RLOs

New Group “Water Management” was created

EcoLearnIT - Reusable Learning Object System - Windows Internet Explorer

http://ecolearnit.ifas.ufl.edu/members/index.asp

File Edit View Favorites Tools Help

Convert Select

Add A Group Sabine Grunwald Search Radio Player 79° Radio Locator New Music And M... Kris Allen's Hometown Amazon.c

Favorites Suggested Sites Free Hotmail Get More Add-ons

EcoLearnIT - Reusable Learning Object System

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grunwald  
University of Florida  
(click to edit)

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

**Search RLOs**

**Develop A New RLO**

**View RLO Documentation**

**Continue An RLO**

**Your RLOs**

In Development

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1
- Soil carbon
- Test

In Review

No RLOs being reviewed

Published

- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertigation in Banana

Start A New RLO

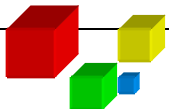
**Your Favorites**

- Group 1
- Water Management
- Create A New Group

Error on page.

Your Favorites

- Group 1
- Water Management
- Create A New Group



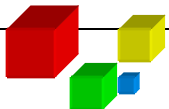
# Favorites – Group RLOs

## Add RLOs to Group “Water Management”

The screenshot shows the EcoLearnIT website in a Windows Internet Explorer browser. The address bar displays <http://ecolearnit.ifas.ufl.edu/members/index.asp>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar shows various icons for navigation and search. The website header features the EcoLearnIT logo and a user profile for Sabine Grunwald, University of Florida. The main content area is divided into several sections:

- Home**: A list of links including User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support.
- EcoLearnIT Statistics**: A box showing statistics: RLOs in Development: 55, RLOs In Review: 20, RLOs Published: 41, and Current User Count: 176.
- Search RLOs**: A box with a text input field for keywords and a search button.
- Search RLOs**: A green button labeled "Search RLOs".
- Develop A New RLO**: A blue button labeled "Develop A New RLO".
- View RLO Documentation**: A blue button labeled "View RLO Documentation".
- Continue An RLO**: A green button labeled "Continue An RLO".
- Your RLOs**: A section with a title "Your RLOs" and a list of RLOs: In Development (Spatial autocorrelation, Soil-Water Interaction, Demo 1, Soil carbon, Test), In Review (No RLOs being reviewed), and Published (GIS and Water Management, Harvesting Rainwater, Sustainable Watershed Management, Assessing the Performance of Tank Irrigation System, Drip Fertigation in Banana). It also includes a link "Start A New RLO".
- Your Favorites**: A section with a title "Your Favorites" and a list of favorites: Group 1, Water Management, and a link "Create A New Group".

A red arrow points from the "Add A Group" link in the browser's address bar to the "Search RLOs" button on the website.





# Favorites – Group RLOs

## Search for suitable content (RLOs)

The screenshot shows the EcoLearnIT website in a Windows Internet Explorer browser. The address bar displays <http://ecolearnit.ifas.ufl.edu/members/search.asp>. The website header includes the EcoLearnIT logo and a user profile for Sabine Grunwald, University of Florida. A left sidebar contains navigation links: Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. Below these are EcoLearnIT Statistics: RLOs in Development: 55, RLOs In Review: 20, RLOs Published: 41, and Current User Count: 176. A 'Search RLOs' box is also present. The main content area, titled 'Search for RLOs', shows search results for the keyword 'water'. It lists four RLOs: 'GIS and Water Management' (1 rating, 5 stars), 'Transport of phosphorus into surface water and impact on water quality' (0 ratings, 5 stars), 'Stormwater Treatment Areas (STA)' (0 ratings, 5 stars), and 'Harvesting Rainwater' (1 rating, 5 stars). Each entry includes a brief description, keywords, and a URL. A right sidebar titled 'Your RLOs' shows a list of RLOs categorized into 'In Development', 'In Review', and 'Published'. At the bottom right, there is a 'Your Favorites' section.

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grunwald  
University of Florida  
(click to edit)

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

**EcoLearnIT Statistics**  
RLOs in Development: 55  
RLOs In Review: 20  
RLOs Published: 41  
Current User Count: 176

**Search RLOs**  
Keywords  
search

**Search for RLOs**  
Keyword: water Author: [more options]  
Search

**GIS and Water Management** (1 ratings) ★★★★★  
A brief introduction to geographic information systems and functions is provided. Applications of GIS to support water management are given and a case study in the Santa Fe River Watershed (northeast Florida, U.S.) presented.  
Keywords: Geographic Information System (GIS), water management, spatial data, watershed resource inventory  
[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=16&final\\_id=6](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=16&final_id=6)

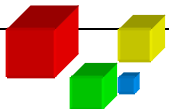
**Transport of phosphorus into surface water and impact on water quality** (0 ratings) ★★★★★  
Two forms of P can be moved into surface water: soluble and particulate P. The modes of transport of each will be demonstrated as well as the impact on surface water quality  
Keywords: phosphorus, dissolved phosphorus, particulate phosphorus, runoff, soil erosion, eutrophication  
[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=27](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=27)

**Stormwater Treatment Areas (STA)** (0 ratings) ★★★★★  
An introduction to the stormwater treatment areas of the Florida Everglades.  
Keywords: Stormwater Treatment, Constructed Wetland, Everglades, phosphorus, invasive species, soil quality, water quality  
[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=28](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=28)

**Harvesting Rainwater** (1 ratings) ★★★★★  
This contains a brief note on the following aspects: 1)

**Your RLOs**  
In Development  
Spatial autocorrelation  
Soil-Water Interaction  
Demo 1  
Soil carbon  
Test  
In Review  
No RLOs being reviewed  
Published  
GIS and Water Management  
Harvesting Rainwater  
Sustainable Watershed Management  
Assessing the Performance of Tank Irrigation System  
Drip Fertigation in Banana  
Start A New RLO

**Your Favorites**



# Favorites – Group RLOs

Search for suitable content (RLOs) and add it to a Group

The screenshot shows the EcoLearnIT website interface. The top navigation bar includes links for Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. The main content area displays search results for the keyword 'water'. The first result, 'GIS and Water Management', is highlighted with a red circle around its 'Add to Group' icon. The right sidebar shows 'Your RLOs' and 'Your Favorites' sections.

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grunwald  
University of Florida  
(click to edit)

**Search for RLOs**

Keyword:  Author:

[\[ more options \]](#)

**GIS and Water Management** (1 ratings) ★★★★★

A brief introduction to geographic information systems and functions is provided. Applications of GIS to support water management are given and a case study in the Santa Fe River Watershed (northeast Florida, U.S.) presented.

Keywords: Geographic Information System (GIS), water management, spatial data, watershed resource inventory

[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=16&final\\_id=6](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=16&final_id=6)

**Transport of phosphorus into surface water and impact on water quality** (0 ratings) ★★★★★

Two forms of P can be moved into surface water: soluble and particulate P. The modes of transport of each will be demonstrated as well as the impact on surface water quality

Keywords: phosphorus, dissolved phosphorus, particulate phosphorus, runoff, soil erosion, eutrophication

[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=27](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=27)

**Stormwater Treatment Areas (STA)** (0 ratings) ★★★★★

An introduction to the stormwater treatment areas of the Florida Everglades.

Keywords: Stormwater Treatment, Constructed Wetland, Everglades, phosphorus, invasive species, soil quality, water quality

[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=28](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=28)

**Harvesting Rainwater** (1 ratings) ★★★★★

This contains a brief note on the following aspects: 1)

**Your RLOs**

In Development

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1
- Soil carbon
- Test

In Review

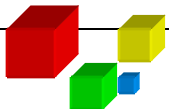
No RLOs being reviewed

Published

- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertigation in Banana

[Start A New RLO](#)

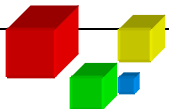
**Your Favorites**



# Favorites – Group RLOs

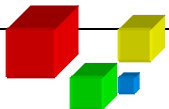
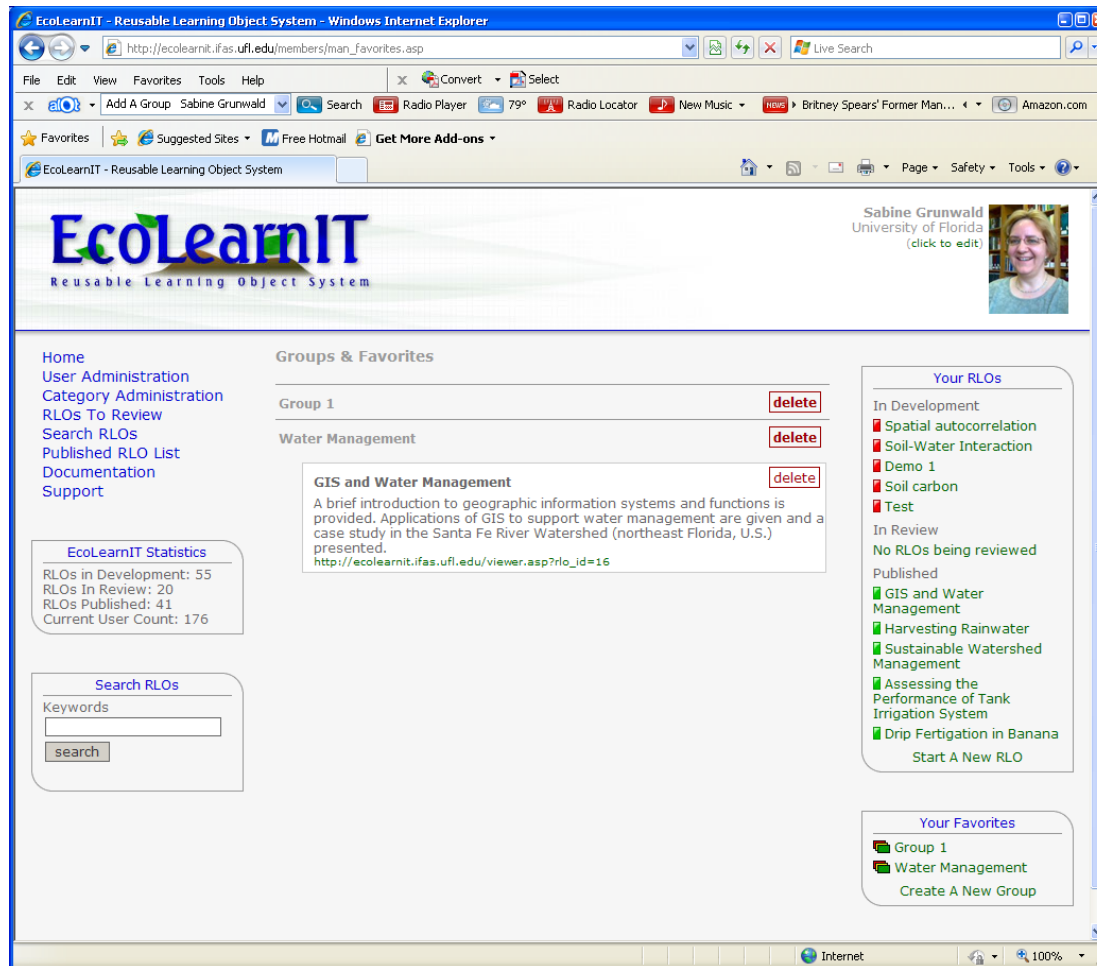
Add an RLO to “Water Management” Group

The screenshot shows the EcoLearnIT website interface. A red arrow points to the 'Water Management' group in a dialog box titled 'Add An RLO To A Group'. The dialog box contains the text: 'Click the name of the group you would like to add this RLO to.' Below this, there is a list of groups: 'Group 1' and 'Water Management'. The 'Water Management' group is highlighted with a red box. To the right of the list is an 'Add Group' button. The main page shows the EcoLearnIT logo, a user profile for Sabine Grunwald, and a list of RLOs including 'GIS and Water Management', 'Transport of phosphorus into surface water and impact on water quality', 'Stormwater Treatment Areas (STA)', and 'Harvesting Rainwater'. The 'Your RLOs' section on the right lists 'In Development' items like 'Spatial autocorrelation', 'Soil-Water Interaction', 'Demo 1', 'Soil carbon', and 'Test', and 'Published' items like 'GIS and Water Management', 'Harvesting Rainwater', 'Sustainable Watershed Management', 'Assessing the Performance of Tank Irrigation System', and 'Drip Fertigation in Banana'.



# Favorites – Group RLOs

The RLO “GIS and Water Management” was added to “Water Management” Group

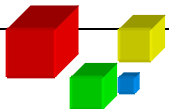


# Favorites – Group RLOs

RLOs or  
groups  
can be edited  
/ deleted

Access / view  
RLOs in your  
Favorite group

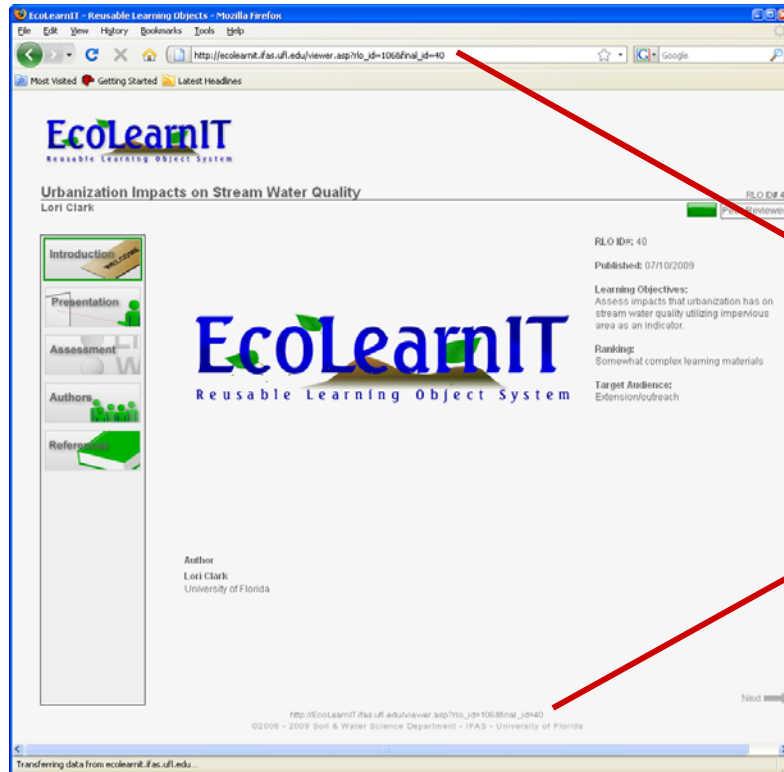
The screenshot shows the EcoLearnIT web application interface. The browser window title is "EcoLearnIT - Reusable Lea...". The address bar shows the URL "http://ecolearnit.ifas.ufl.edu/members/man\_favorites.asp". The page header includes the EcoLearnIT logo and the user's name, Sabine Grunwald, with a "click to edit" link. The main content area is titled "Groups & Favorites" and lists two groups: "Water Management" and "GIS". Each group has a "delete group" button. Under the "Water Management" group, there is an RLO titled "Sustainable Watershed Management" with a "delete favorite" button. Under the "GIS" group, there are three RLOs: "GIS and Water Management", "Old Maps and GIS: How older maps are useful to users today", and "Raster and Vector in GIS". Each RLO has a "delete favorite" button. A sidebar on the left contains links for Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, and Support. Below these links is a section for "EcoLearnIT Statistics" showing RLOs in Development (103), RLOs In Review (6), RLOs Published (65), and Current User Count (233). There is also a "Search RLOs" section with a keyword input field and a search button. On the right side, there are two sections: "Your RLOs" and "Your Favorites". "Your RLOs" lists RLOs in Development, In Review, and Published. "Your Favorites" lists the groups "Water Management" and "GIS" and includes a "Create A New Group" link.





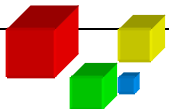
# Integrate RLOs into Courses

Integrate RLOs into Course Management Systems such as Blackboard, Sakai, Moodle or others



[http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo\\_id=106&final\\_id=40](http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=106&final_id=40)

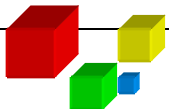
URL



# Users Biographical Sketch

The screenshot shows the EcoLearnIT website interface. At the top, the browser address bar displays <http://ecolearnit.ifas.ufl.edu/members/index.asp>. The website header features the EcoLearnIT logo and the tagline "Reusable Learning Object System". On the right side of the header, a user profile for Sabine Grunwald is shown, including a photo and the text "Sabine Grunwald, University of Florida (click to edit)". A red arrow points from the text "Edit user information & biographical information" to the "(click to edit)" link. The main content area is divided into several sections: a left sidebar with navigation links (Home, User Administration, Category Administration, RLOs To Review, Search RLOs, Published RLO List, Documentation, Support); a central area with four large colored buttons labeled "Search RLOs", "Develop A New RLO", "View RLO Documentation", and "Continue An RLO"; and a right sidebar with sections for "Your RLOs" (listing items in development, in review, and published) and "Your Favorites" (listing Water Management and GIS).

Edit user  
information  
& biographical  
information  
(biographical info will  
be added auto-  
matically to the last  
page of every RLO  
you create)



# Users Biographical Sketch

Update  
biographical  
information  
or change  
login (email  
address a/o  
password)

The screenshot shows a web browser window with the address `http://ecolearnit.ifas.ufl.edu/members/edt_profile.asp`. The page features the EcoLearnIT logo and a navigation menu on the left. The main content area is titled 'Update Your Bio' and contains several form fields for user information. On the right, there is a section for 'Your Photo' with a small image of a woman, and a 'Short Bio' section with a text area containing details about the user's education and professional experience. At the bottom right, there is an 'Expertise' section with a text area listing the user's areas of expertise. A 'search' button is located in the bottom right corner of the form area.

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

EcoLearnIT Statistics  
RLOs in Development: 103  
RLOs In Review: 6  
RLOs Published: 65  
Current User Count: 233

Search RLOs  
Keywords  
search

Update Your Bio

Name  
SABINE  
GRUNWALD

Institution  
University of Florida

Position  
Faculty

Address  
2169 McCarty Hall, PO

City/St/Zip  
Gainesville FL 32605

Phone  
352-392-1951 x 204

Email  
sabgru@ufl.edu

URL  
http://grunwald.ifas.ufl.edu

Password  
\*\*\*\*\*

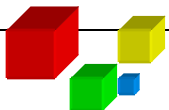
Confirm  
\*\*\*\*\*

Update Profile

Your Photo:

Short Bio  
Education: Ph.D. Environmental Science; 1996 Justus von Liebig University Giessen, Germany.  
Professional Experience: Associate Professor, Soil and Water Science Department, University of Florida, August 2006 to current. Distance Education Coordinator, Soil and

Expertise  
Geographic information systems; pedometrics; soil-landscape analysis; assessment of environmental quality



# RLOs to Review

The screenshot shows the EcoLearnIT website interface. The browser address bar displays <http://ecolearnit.ifas.ufl.edu/members/index.asp>. The website header features the EcoLearnIT logo and a user profile for Sabine Grunwald, University of Florida. A red arrow points to the 'RLOs To Review' link in the left navigation menu. The main content area includes four large buttons: 'Search RLOs', 'Develop A New RLO', 'View RLO Documentation', and 'Continue An RLO'. A sidebar on the right lists 'Your RLOs' categorized into 'In Development', 'In Review', and 'Published'. A search box is located at the bottom left of the main content area.

**EcoLearnIT**  
Reusable Learning Object System

Sabine Grunwald  
University of Florida  
(click to edit)

Home  
User Administration  
Category Administration  
RLOs To Review  
Search RLOs  
Published RLO List  
Documentation  
Support

**EcoLearnIT Statistics**  
RLOs in Development: 103  
RLOs In Review: 6  
RLOs Published: 65  
Current User Count: 233

**Search RLOs**  
Keywords  
  
search

**Search RLOs**  
**Develop A New RLO**  
**View RLO Documentation**  
**Continue An RLO**

**Your RLOs**

**In Development**

- Spatial autocorrelation
- Soil-Water Interaction
- Demo 1 at TNAU
- Soil carbon
- Electronic Agriculture
- nursery techniques

**In Review**

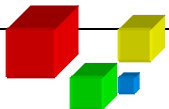
- landscapingandornamental gardening

**Published**

- GIS and Water Management
- Harvesting Rainwater
- Sustainable Watershed Management
- Assessing the Performance of Tank Irrigation System
- Drip Fertigation in Banana

Start A New RLO

Access  
review  
tool



# Summary

This module explained how to use the functions and tools provided in the EcoLearnIT RLO system.

