

# **GROWing: A National Civil Engineering Digital Library**

***A librarian's perspective...***

# National Civil Engineering Resources Library



**Phase I:**

**Geotechnical, Rock, and  
Water Resources Digital  
Library (GROW)**

# http://www.grow.arizona.edu



**Geotechnical, Rock and Water Resources Library  
(GROW)**

Towards a National Civil Engineering Education Resource Library



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www.grow.arizona.edu

GROW won an award for "**Best Learning Object / Instructional Module**" at UA Learning Technologies Showcase 2003. For more details see the [About page](#)

Geotechnical

Rock

Water

**Welcome to** *National Civil Engineering Education Resource Library*  
*Enter by selecting one of the topics*

- My Content Library
- Contribute
- News
- Glossary
- FAQ

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## Soil Composition

- Geotechnical**
- Geotechnical
- Earth Science & Environment
- Fundamental Science - Geotechnical Engineering
- People & Structures
- Research
- K-12 Resources
- General Resources
- Rock**
- Water**

### SOIL COMPOSITION

The diagram illustrates the composition of soil within a cylindrical container. On the left, three categories are listed: AIR (represented by a small white sphere), WATER (represented by a larger purple sphere), and SOIL (represented by a small brown sphere). A vertical line with a right-pointing arrow labeled 'TEXT' is positioned to the left of the cylinder. The cylinder itself contains a mixture of these particles, with larger purple water molecules and smaller white air molecules interspersed among the brown soil particles. A vertical double-headed arrow on the right side of the cylinder is labeled 'Volume of Soil'. At the bottom right of the diagram area, there is a yellow play button icon followed by the text 'Start'. Below the diagram, an instruction reads: 'Instruction: Click on "air, water, soil" to see the difference'. To the right of the instruction is a small button labeled 'About'.

**AIR**

**WATER**

**SOIL**

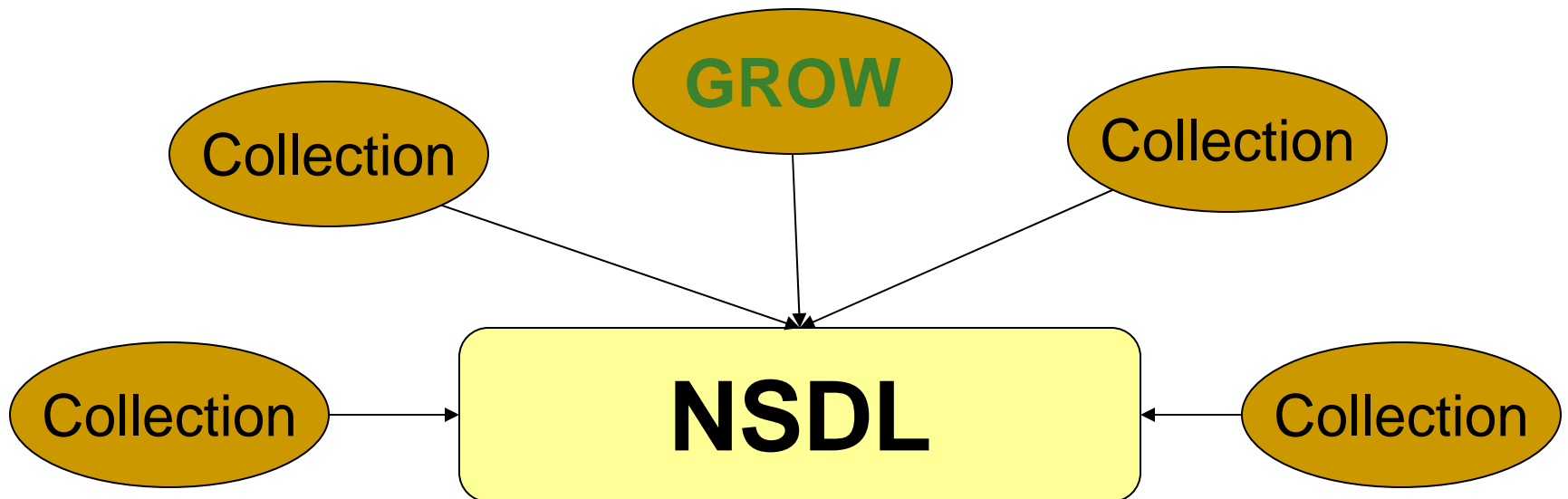
Volume of Soil

Start

Instruction: Click on "air, water, soil" to see the difference

# Why GROW?

- User need for interactive learning modules in civil engineering
- Funded by the National Science Foundation
- One of several “collections” projects
- Provides digital library content for the NSDL



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# What is the NSDL?

**National Science Digital Library**

**<http://www.nsd.org>**

- creates a digital learning place for SME&T teaching and learning
- encourages and supports users to **discover**, **explore**, **create** & **interact** with digital resources anyplace- anytime.

# What better to help facilitate learning than a library?

You can't have a library without a librarian!

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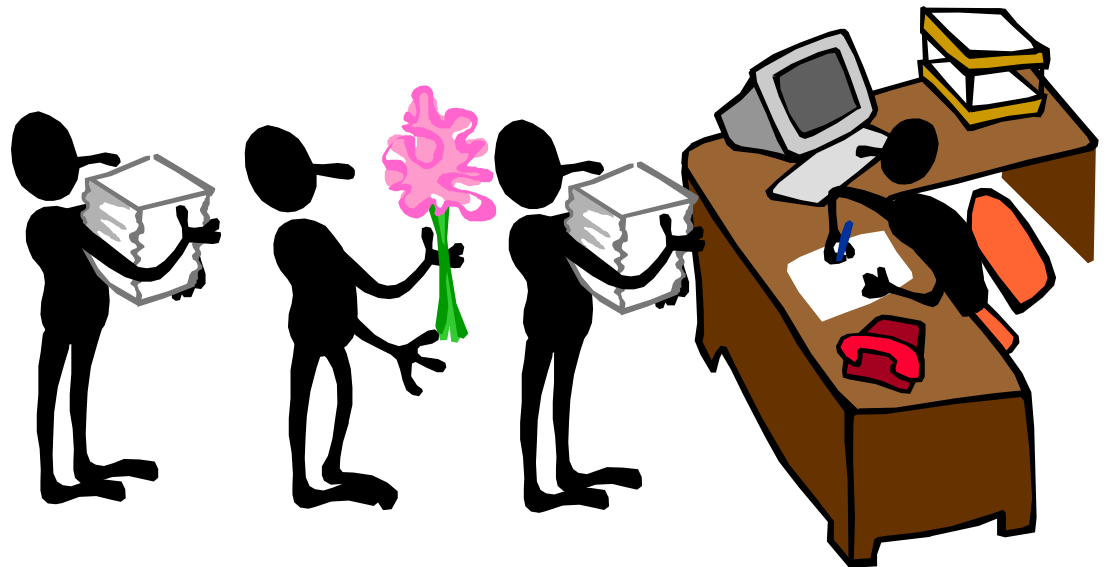
# High-Level Processes in Project Development

- ❑ Idea Development
- ❑ Proposal Development
- ❑ Proposal Submission & Preliminary Planning
- ❑ Award or Rejection
- ❑ Project Development or Proposal Revision



# How can you get involved?

- Idea Generator
- Information Specialist
- Facilitator
- Stability & Sustainability Values



# Idea Generator



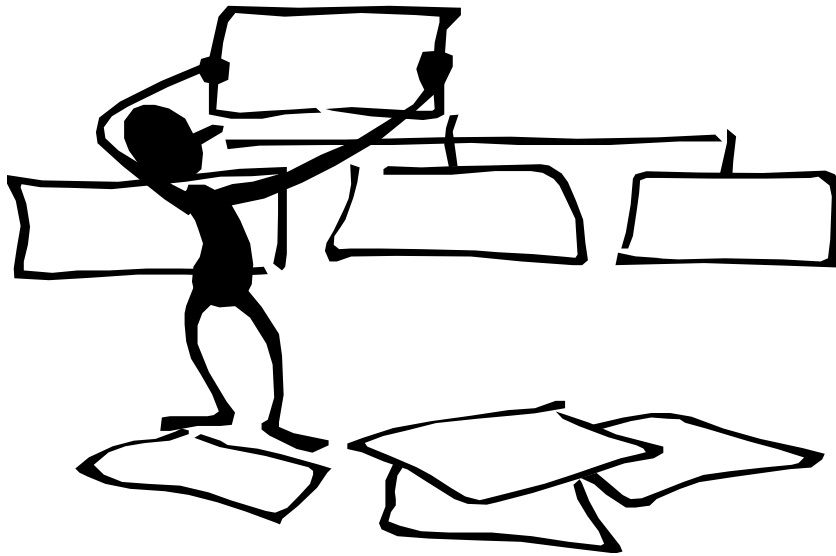
- ❑ Identify unique collections
- ❑ Tapped into campus activities and research

# Information Specialist

- ❑ Identify unique collections
- ❑ Outcomes Assessment
- ❑ Usability Testing
- ❑ Systems Development



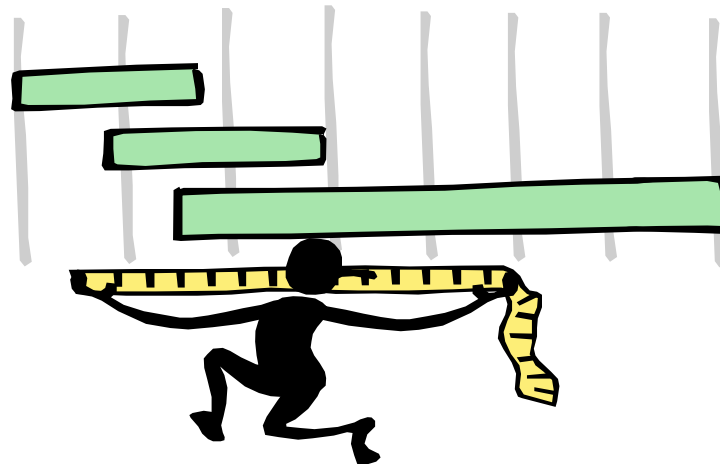
# Facilitator



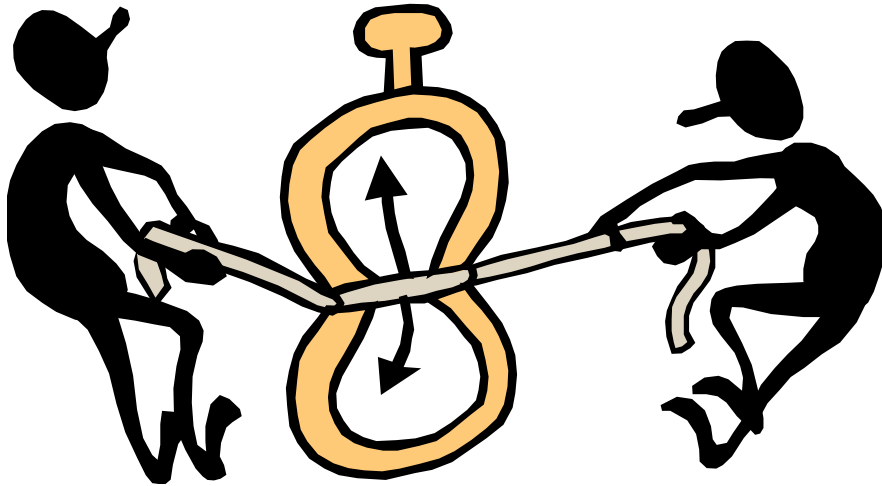
- ❑ Facilitate the dissemination and retrieval of information
- ❑ Facilitate Processes
- ❑ Facilitate communications and networking - locally and nationally

# Stability & Sustainability

- ❑ Stable, secure systems
- ❑ Similar mission & goals for providing access and sharing information
- ❑ Longevity & sustainability for project



# Risks



- ❑ Time & Money
- ❑ Credibility
- ❑ Must know what cards you're holding



# Benefits



- ❑ Increases visibility & credibility
- ❑ New partnerships & opportunities as trust is established
- ❑ New models of scholarship
- ❑ Allows us to continue increasing access to unique materials

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# Dialogue?

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