Open Project Management
from an "open" perspective

UNIT 4

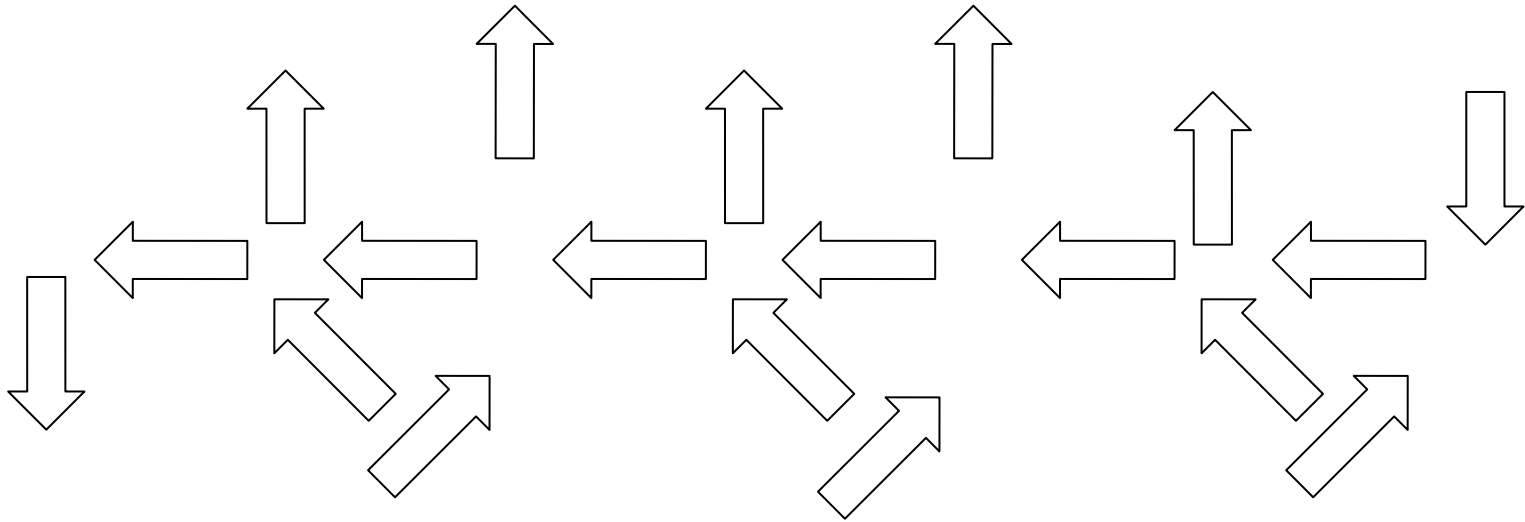### Instructor: Dr. Bradly Alicea

http://bradly-alicea.weebly.com
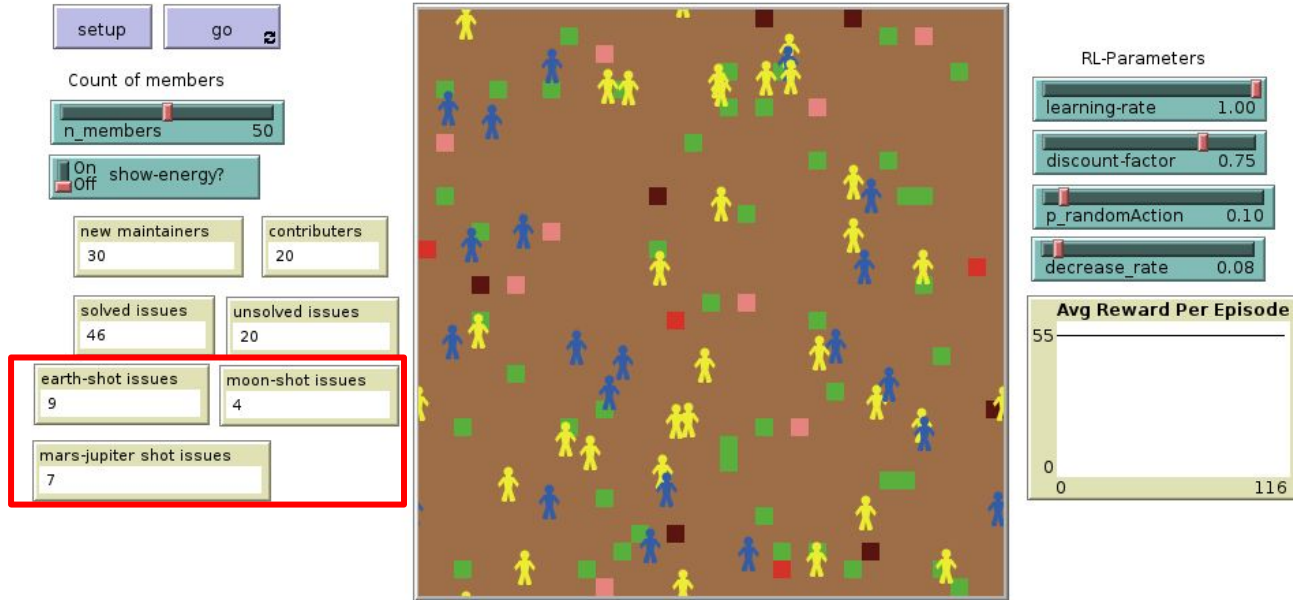
Lecture 16

Open Project Management

Welcome Back!

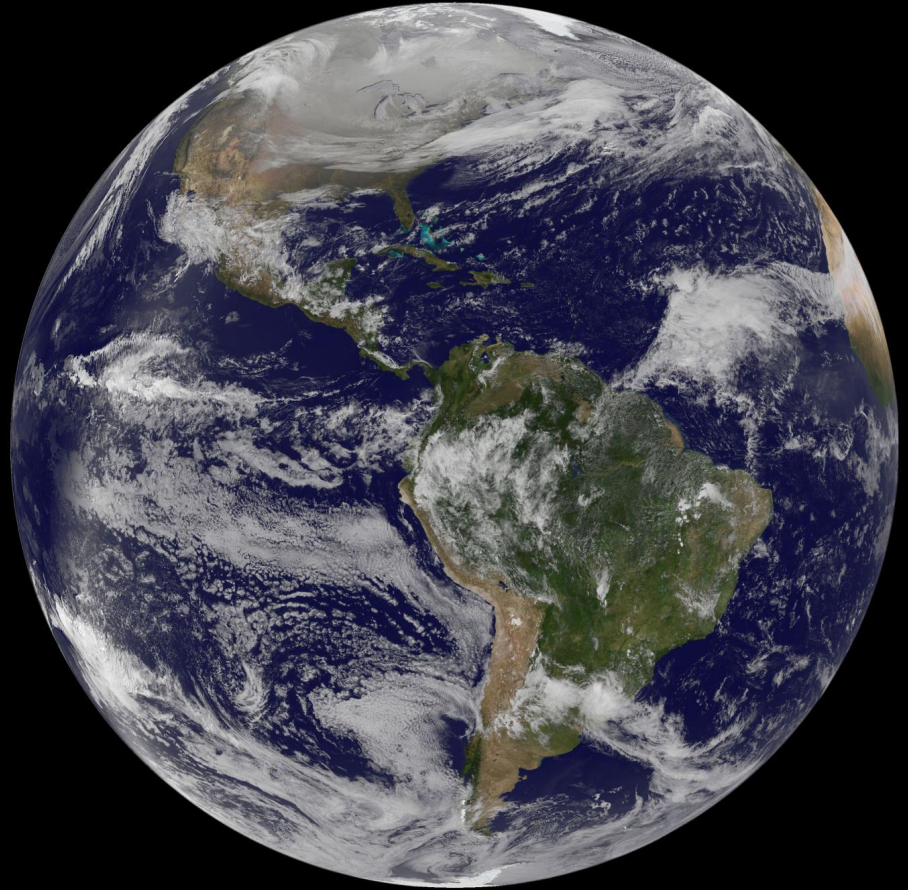# Agent-based Model for Contribution Scope

Reinforcement Learning for Open Source Community Sustainability
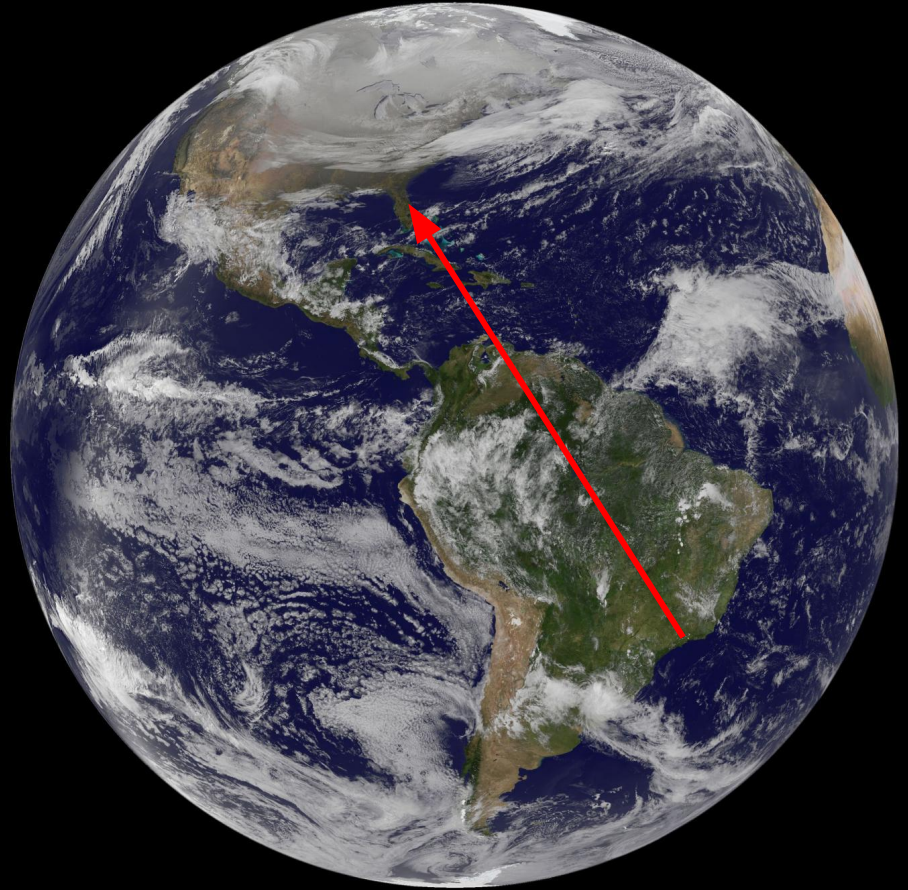
Earth Shot

Simple issue with a simple solution

- good first (beginners) issue.

- maintenance issue.

Earth Shot

A "good first issue"

- Fill out contributor form, check out community resources.

Good First Issue Finder

Produce an error message if 'extends' is used in a target that does not su...

March 15, 2023 - 3 hours ago

`good first issue`　`validation`

git lingua-franca

⭐ 147 stars

👤 lf-lang

👷 0 assignee

`JavaScript` `Shell` `C` `Java` `HTML` `CMake` `Makefile` `C++` `Python` `PowerShell`

Go to issue

Multi-sig interoperability with cli

March 15, 2023 - 4 hours ago

`enhancement`　`good first issue`

git contracts

⭐ 1 star

👤 filecoin-saturn

👷 1 assignee

`Solidity` `Rust`

Go to issue

Trigger events when users click list items

March 15, 2023 - 3 hours ago

`enhancement`　`good first issue`

git videojs-http-source-selector

⭐ 3 stars

👤 FreeTubeApp

👷 0 assignee

`JavaScript` `HTML` `SCSS`

Go to issue
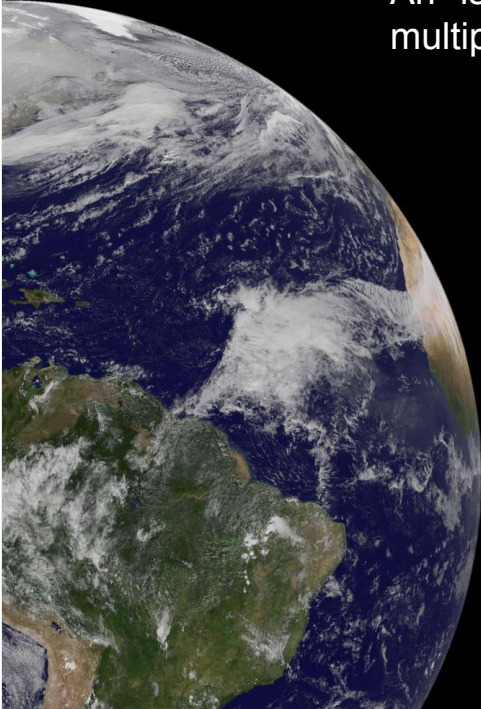
https://goodfirstissues.com/

Moon Shot

An issue that can be broken down into multiple Earth shots

Moon Shot

An issue that can be broken down into multiple Earth shots
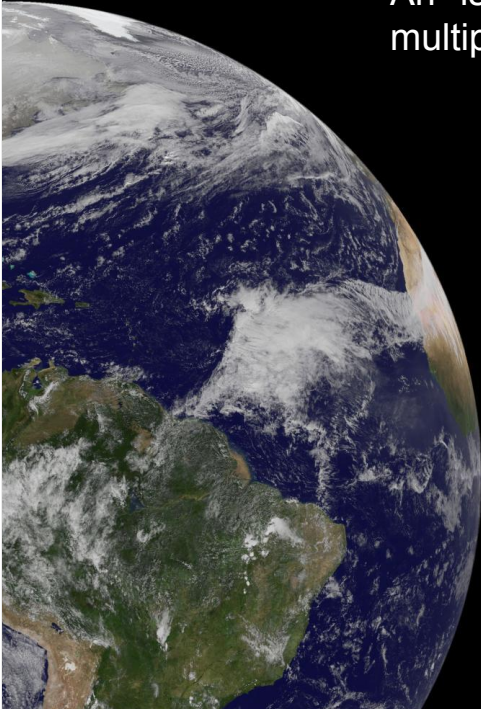
Write a simple numeric simulation, accompanied by:

- code review (1), benchmarking (2), documentation (3), and maintenance (4).

Moon Shot

An issue that can be broken down into multiple Earth shots
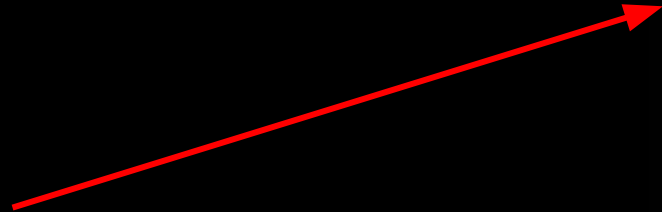
Write a simple numeric simulation, accompanied by:

- code review (1), benchmarking (2), documentation (3), and maintenance (4).

Todo 1
Things that have not been started

⊙ Project-Management #46
Benchmarking for Numeric Simulation

In Progress 1
This is actively being worked on

⊙ Project-Management #45
Code Review for Numeric Simulation

Urgent 1
Things that need to be done ASAP

⊙ Project-Management #44 •••
Testing for Numeric Simulation Code

Future Goals 2
Things that might be good to have someday

⊙ Project-Management #47
Maintenance for Numeric Simulation

⊙ Project-Management #48
Documentation for Numerical Simulation

Done 1
Things that has been completed

⊙ Project-Management #43
Draft Code for Numeric Simulation

+ Add item

Testing for Numeric Simulation Code #44

⊙ Open **Orthogonal-Research-Lab** opened 7 minutes ago

Orthogonal-Research-Lab 7 minutes ago   Edit

No description provided

👤

👁 Preview   H **B** *I*   ☰ <> 🔗   ☰ ☰ ☰   @ ⬈ ↩ ▣

Leave a comment

📖 Markdown is supported   🖼 Paste, drop, or click to add files   ⊙ Close issue ▾   **Comment**

Sidebar

Assignees	Add assignees...
Labels	`good first issue`
Milestone	Add milestone...
Status	`Urgent`
Linked pull requests	No linked pull requests
Repository	🖵 Project-Management

⬈ Open in new tab
🖵 Copy link
🗄 Archive
🗑 Delete from project

In Progress 1
This is actively being worked on

⊙ Project-Management #45
Code Review for Numeric Simulation

Urgent 1
Things that need to be done A

⊙ Project-Management #44
Testing for Numeric Simulatio

+ Add item

+ Add item

Mars/Jupiter Shot:

A problem that cannot be broken down into multiple issues.

- need multiple sets of interlinked issues or projects not yet defined.

- multiple dependencies that are not yet defined.
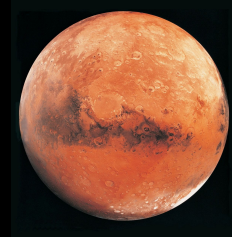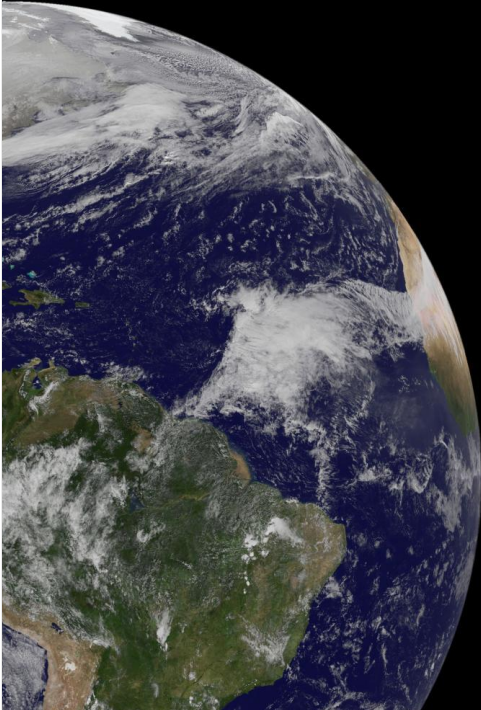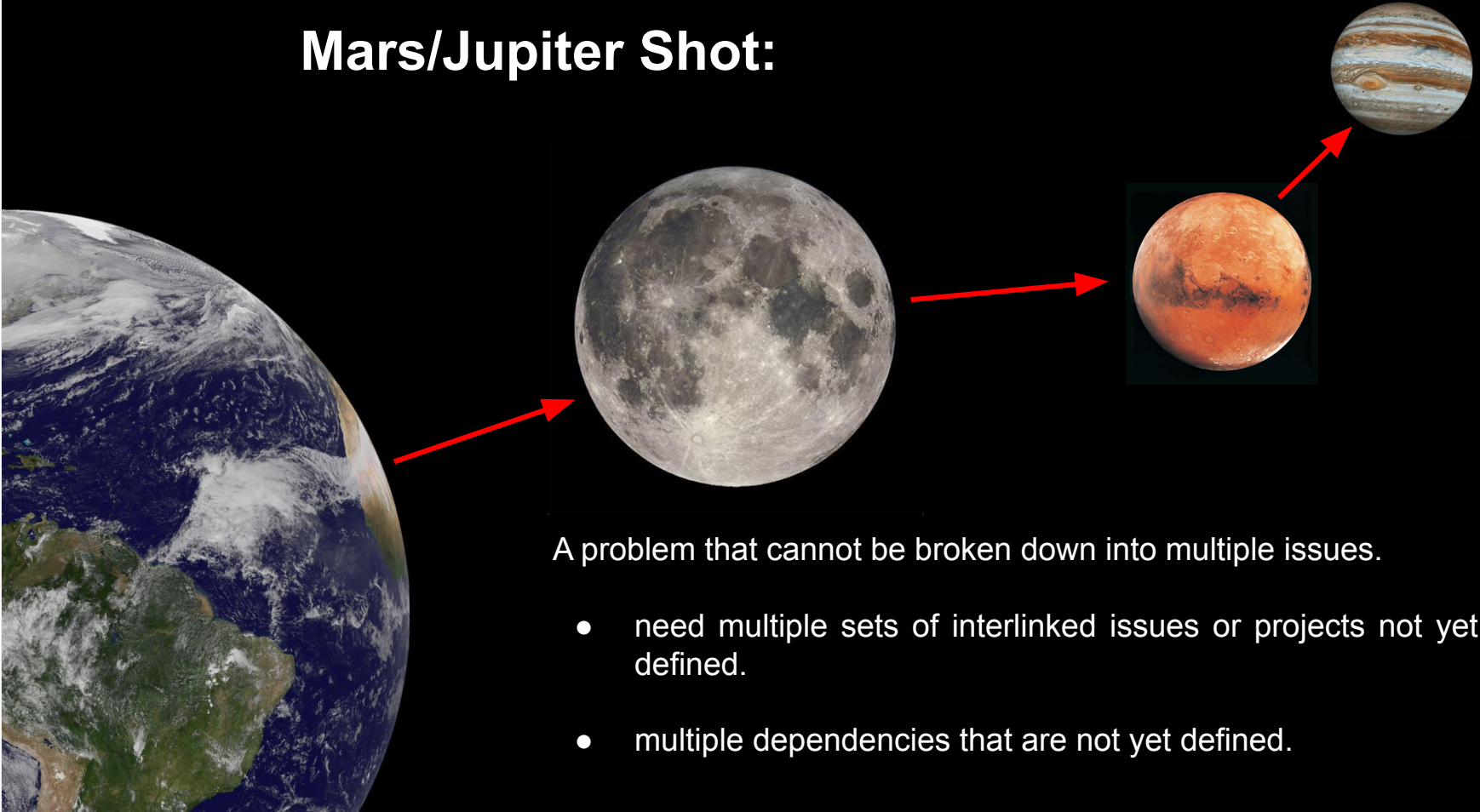
Mars/Jupiter Shot:

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Rescoping and Issue Revision

Project Rescoping: 7 rules for rescoping projects
https://www.projecttimes.com/articles/7-golden-rules-for-scoping-projects-perfectly/

1)   Define scope using a *work breakdown structure*: https://en.wikipedia.org/wiki/Work_breakdown_structure
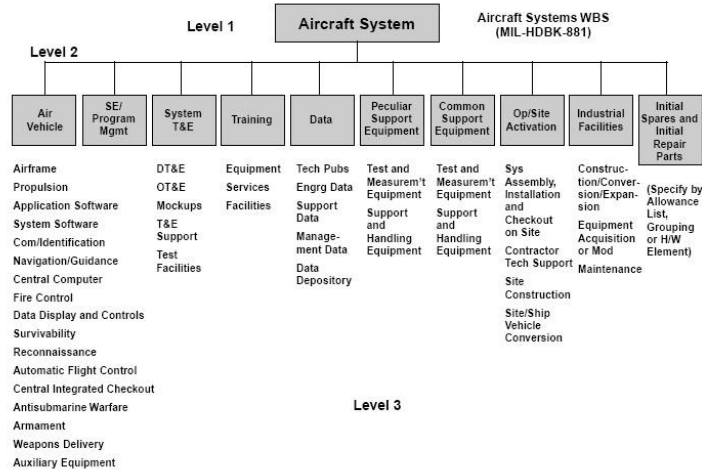
Rescoping and Issue Revision

Project Rescoping: 7 rules for rescoping projects
https://www.projecttimes.com/articles/7-golden-rules-for-scoping-projects-perfectly/

2) develop a process to capture and distribute these requirements. Three layers:

- scoping layer: assess scope of change and impact.

- expanded layer: impacts on tasks and deliverables.

- details layer: feasibility of change, length of time, and resources required.
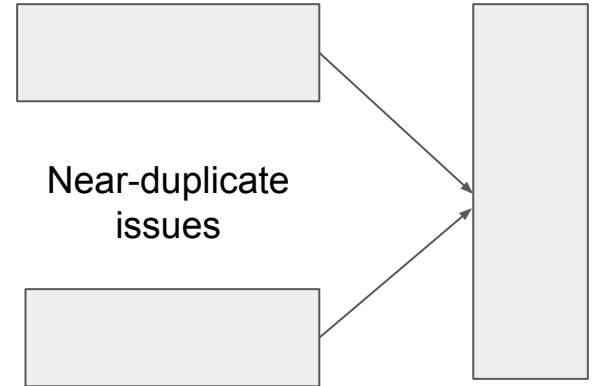
3) involve stakeholders and a communication plan to community and contributors.

4) process-limiting: break into subprojects, limit mission creep, keep track of requests and their time impact.

Rescoping and Issue Revision

Issue Revision: splitting one issue into two, lumping duplicate issues.

Original issue too big
(objectives not clear)

Near-duplicate
issues

Rescoping and Issue Revision

Issue Revision: splitting one issue into two, lumping duplicate issues.

Review regularly: organizational process for rescoping, accountability.

Best practices for optimal issue size.

Automation: does every issue need to be an assigned task?
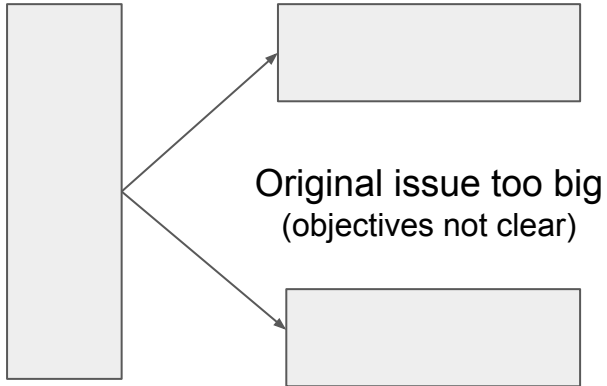
Quiz #2!

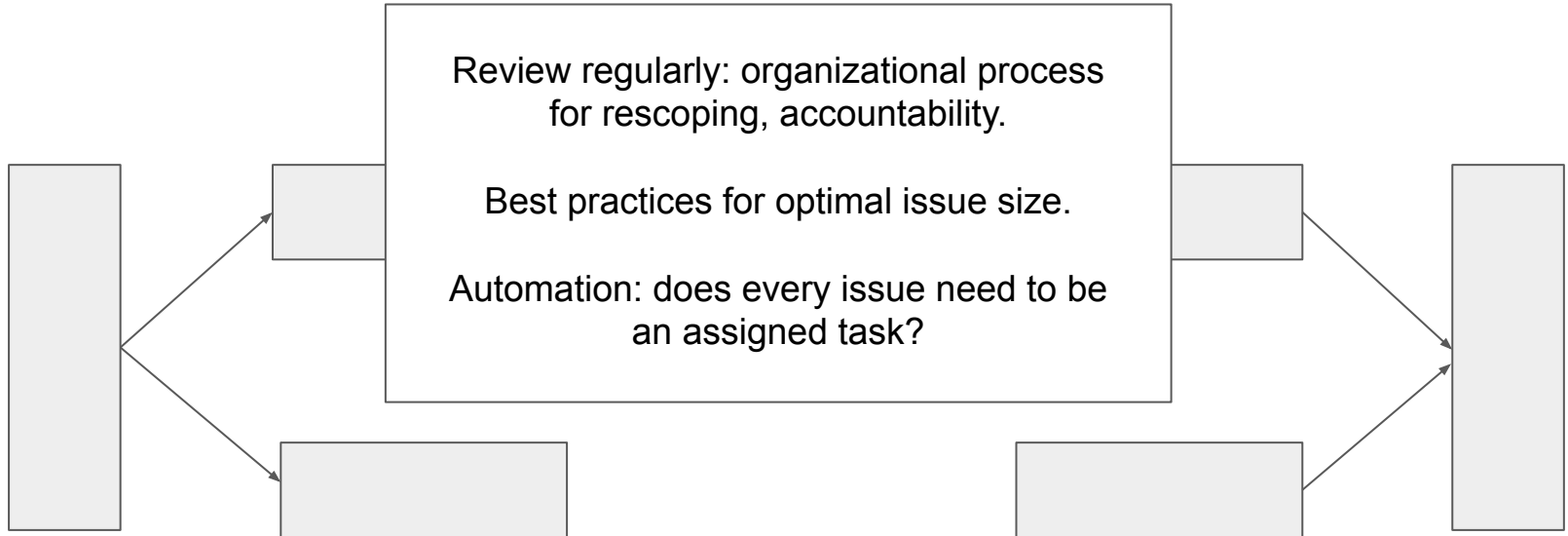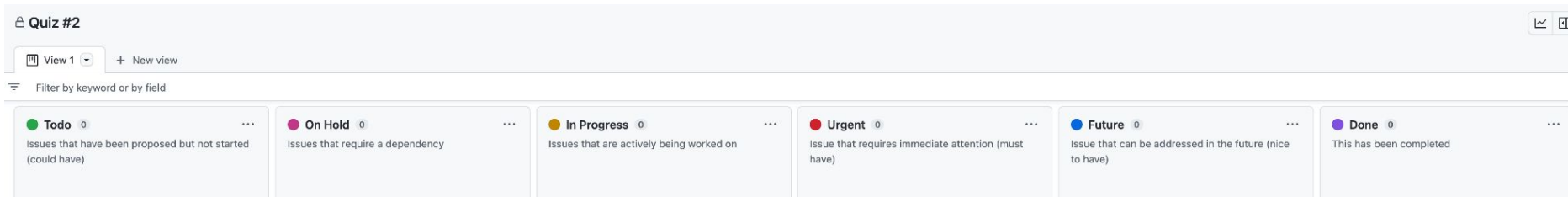**Managing Issues:**

1) create one issue per category on the Quiz #2 board using the "create new issue" (+ sign icon at bottom of each category). You may create more if necessary.

2) assign yourself to each issue and label each issue as appropriate. Create new labels as appropriate.

3) In the "leave a comment" section of project description, describe how to address issue and any potential issue rescoping that may need to be done in the future.

https://github.com/orgs/OREL-group/projects/14/views/1

Quiz #2!

Managing Issues:

1) create one issue per category on Quiz #2 board. You may create more if necessary.

2) assign yourself to each issue and label each issue as appropriate.

3) In the "leave a comment" section of project description, describe how to address issue and any potential issue rescoping that may need to be done in the future.
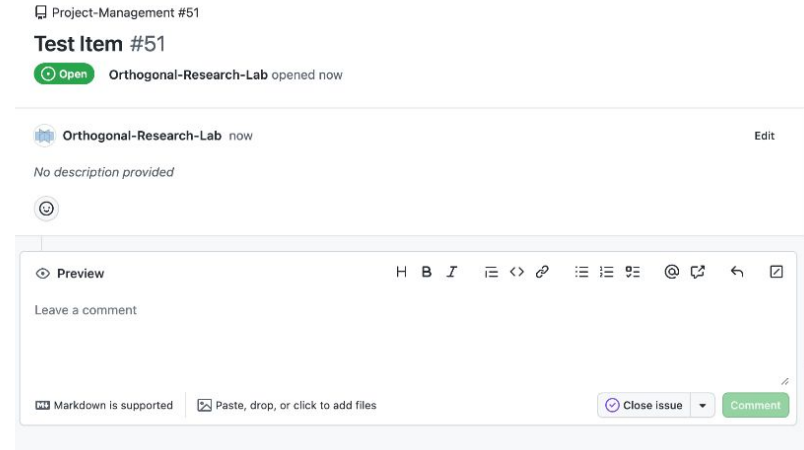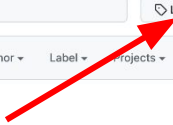
Edit Pins ▾   👁 Watch 3 ▾   Fork 34 ▾   ⭐ Star 0 ▾

<> Code   ⊙ Issues 11   ⑂ Pull requests   💬 Discussions   ▷ Actions   ⊞ Projects 1   📖 Wiki   🛡 Security   📈 Insights   ⚙ Settings

Label issues and pull requests for new contributors   Dismiss

Now, GitHub will help potential first-time contributors discover issues labeled with `good first issue`

Filters ▾   🔍 is:pr is:open   🏷 Labels 12   Milestones 0   New pull request

☐   ⑂ 0 Open   ✓ 41 Closed   Author ▾   Label ▾   Projects ▾   Milestones ▾   Reviews ▾   Assignee ▾   Sort ▾

<> Code   ⊙ Issues 11   ⏸ Pull requests   ⨀ Discussions   ⊙ Actions   ⊞ Projects 1   ⊞ Wiki   ⊘ Security   ⊵ Insights   ⚙ Settings

⌕ Edit Pins ▾   ⊙ Watch 3 ▾   ⑂ Fork 34 ▾   ☆ Star 0 ▾

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| Filters ▾ | Q is:pr is:open | | ⬙ Labels 12 | ⬦ Milestones 0 | **New pull request** |

| □ | ⏸ **0 Open** ✓ 41 Closed | Author ▾   Label ▾   Projects ▾   Milestones ▾   Reviews ▾   Assignee ▾   Sort ▾ |

| ⬙ **Labels** | ⬦ Milestones | Q Search all labels | | **New label** |

12 labels   Sort ▾

admin			Edit	Delete
bug	Something isn't working		Edit	Delete
documentation	Improvements or additions to documentation	1 open issue or pull request	Edit	Delete
duplicate	This issue or pull request already exists		Edit	Delete
enhancement	New feature or request	1 open issue or pull request	Edit	Delete
good first issue	Good for newcomers	1 open issue or pull request	Edit	Delete
help wanted	Extra attention is needed	2 open issues and pull requests	Edit	Delete
invalid	This doesn't seem right		Edit	Delete
paper			Edit	Delete
presentation			Edit	Delete
question	Further information is requested		Edit	Delete
wontfix	This will not be worked on		Edit	Delete

Edit Pins ▾   Watch 3 ▾   Fork 34 ▾   Star 0 ▾

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Labels   Milestones | Search all labels   **New label**

12 labels   Sort ▾

admin			Edit Delete
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paper			Edit Delete
presentation			Edit Delete
question	Further information is requested		Edit Delete
wontfix	This will not be worked on		Edit Delete

Managing Issues (con't):

4) create a final issue through the repository issue template. Please follow the prompts to answer questions about your issue.

- This should be a good first issue for your final project (make an attempt to answer this, even if you have not worked out the details yet).

- assign and label your issue as appropriate.

TITLE

Due on April 6, end of day.