

# Agile Project Management – Perspective and Status

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### **Overview**

- ACME Achievements
  - Transparent Communication Mechanism
  - Adoption of Agile Project Management Methodology
  - Agile Model Development Cycle
- Status on Realization and Compliance
  - Communication Status
  - ACME Roadmaps, Group's Roadmaps, Plans and Quarterly Reports
  - JIRA implementation of Quarterly Plans





# **Achievement: Transparent Communication**

## ACME Decisions and Accomplishments Towards Transparent Communication Mechanisms

- Confluence
  - Wiki, Documentation, Calendar, Meeting Notes, Roadmaps and Planning, Reports,
    - comments and notifications
    - transparent and integrated

#### JIRA

- online task tracking integrated with Confluence open to all and transparent
- GoToMeeting
  - screen sharing conferencing communication tool open to everyone





# Achievement: Adoption of Agile Methodology

### Agile project management adopted in ACME

- Continuous improvement
  - Iterative and incremental planning
  - Flexible realization, task teams oriented
  - Accountability for deliverables at quarterly intervals
  - Retrospective, and improvement to planning
- Rapid development through
  - Short living tasks (2 to 6 weeks)
- Requiring a deliverable
  - Every task has a deliverable
    - code, documentation, design plan doc, journal article, published data, diagnostic test webpage
- Small development task teams with designated task leader
  - ACME organization is structured around tasks
- Task tracking online software JIRA, provides
  - Focused planning
  - Transparency
  - Automated reporting
  - Project oversight
  - Dashboards overviews





# Achievement: Agile Development Cycle

- Long to short term (10-Year, 3-Year, 1-Year) Roadmaps (AL)
- 2. Short term (Q) plans (GL)
- 3. JIRA plan with major tasks (GL/TL)
- 4. JIRA sprint/retrospective (TL)
- Quarterly Reports: Tasks (TL) and Summary by Group Leaders (GL)

Rebase #1 and Repeat

GL: Group Leaders
TL – Task Leaders

AL - ACME Leadership

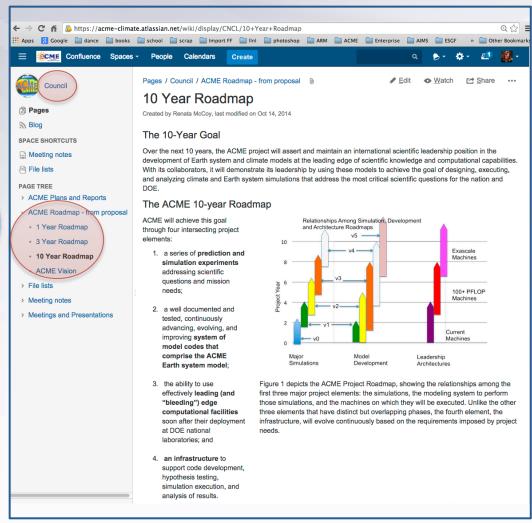






### 1. Long-to-Short Term ACME Plans

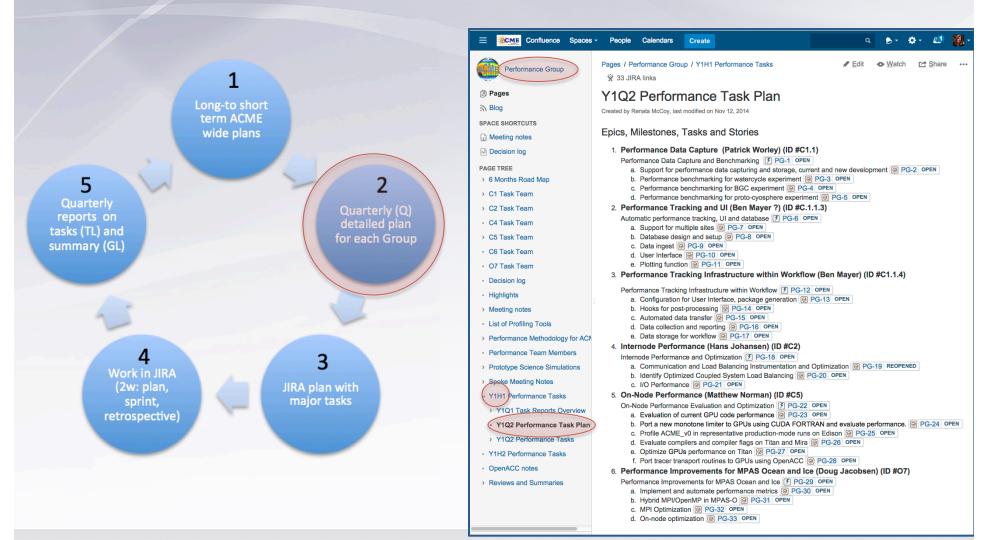








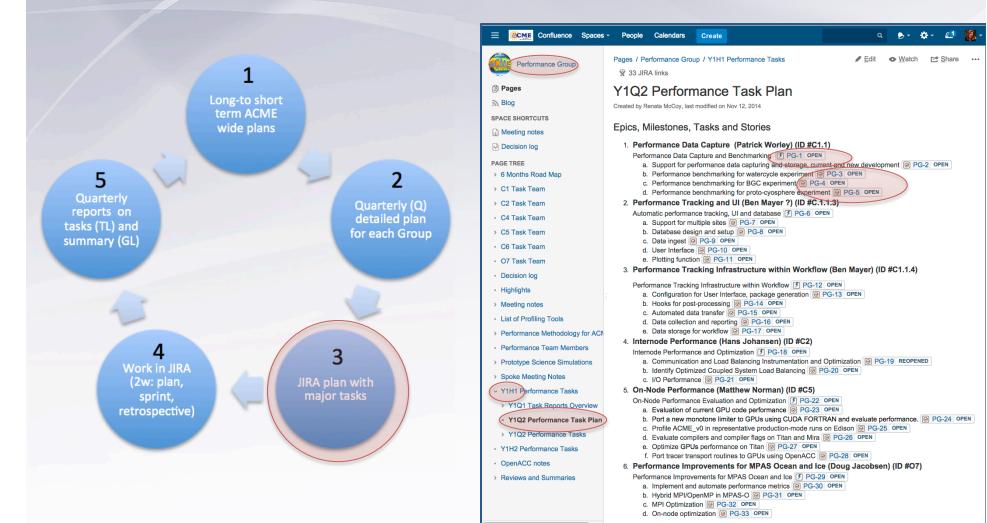
## 2. Quarterly Detailed Group Plan







## 3. JIRA Plan for Major Tasks

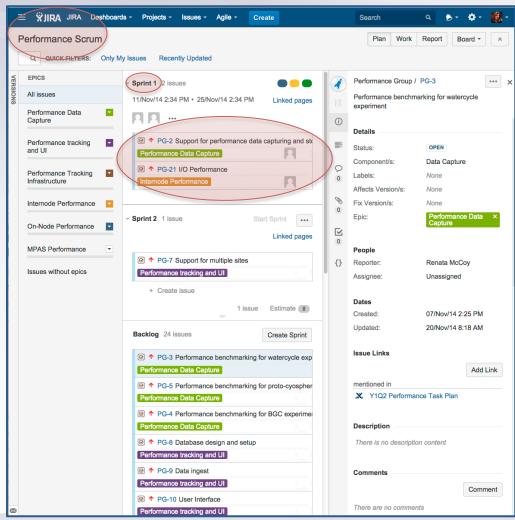






## 4. JIRA Tasks – 2 Week Sprints



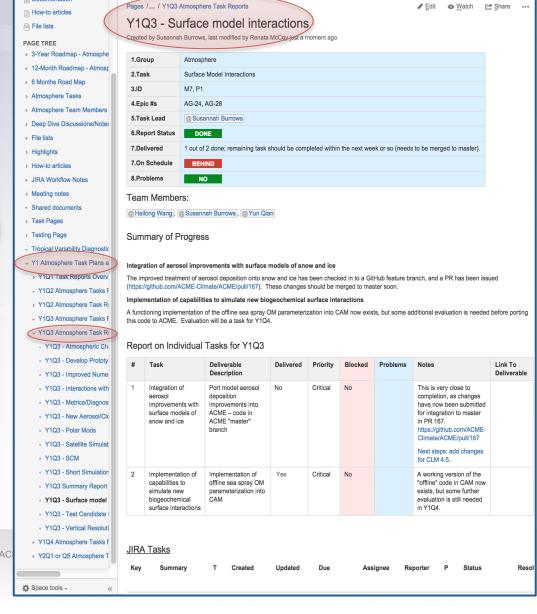






## 5. Quarterly Reports





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## Why this structure?

- 1. Incorporates both planning and agility
- 2. Enables easy reaction to changes, through rebasing, quarterly planning, sprint planning mode
- 3. JIRA forces detailed planning for the 2 week long sprints and forces tasks definition for every member of the team
- 4. By requiring deliverables with each major task, we make sure every task produces a piece of a product
- The retrospective and rebasing makes sure our plans evolve with changing environment, changing machines, evolution of our knowledge and any other changes.





## Important points in strategy



- 1. ACME development is an iterative, agile process
- It does rely on integrated (not divided into groups or components), progressively more detail ACME Roadmaps (10-, 3-, 1-Year Roadmaps)
- 3. These roadmaps are adjusted regularly (1-Year is adjusted every 6 months, 3-Year every 1 year, and 10-Year every 3 years)
- 4. Group's Quarterly Plan is static and starts and comes from this Group's 1-Year Roadmap
- 5. Quarterly Plans for the next quarter are to be prepared 6 weeks after the start of a current quarter
- 6. JIRA tasks come from the Group's Quarterly Plans.





## Realization: Communication

### Working well:

- Excellent communication across our distributed project
- Vigorous, transparent discussion on Confluence
- Very good compliance in using Confluence, no emails
- Good documentation

### To be improved:

- We may put some effort into better organization
- More documentation





## Realization: Roadmaps, Plans, Reports

### **Established:**

- 3-Year ACME Roadmap, 12-Month Roadmaps for ACME and for each group
- Quarterly Reports procedure

### To be improved:

- Quarterly planning for each group
  - granularity,
  - on-time plans finalization
- On-time Quarterly Reports

### Should repeat:

 We had a great road-mapping all-day conference call in April, we should have one every quarter





# Realization: JIRA Implementation

### **Established:**

- JIRA structure and procedures with 2-week required focused planning (2-week 'sprints') (required as of April 2015)
- JIRA projects for each group
- All groups work in JIRA

### To be improved:

- JIRA tasks need to originate from Quarterly Plans
- Planning for a 2-week sprint seems to still be a challenge
- Few groups follow the 2-week sprint requirements
- Cross-project similar granularity for tasks
- Users understanding of requirements





## Summary

### ACME Achievements

- Transparent planning, working and discussions everything is open to all
- Very good communication across whole project
- Established and implemented agile model development procedures
- Status on Realization and Compliance
  - Need to improve on Quarterly planning which feeds into JIRA
  - JIRA compliance with sprints





## Thank You!



