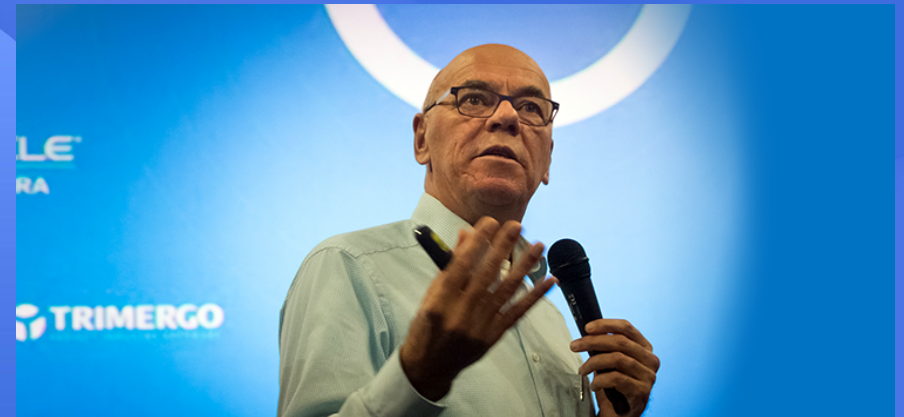


How to Manage a Multi Project /

Multi-Teaming Environment



Project Management in Practice
Ljubljana, 22nd March 2018
Jan Willem Tromp, The Netherlands

Jan Willem Tromp

Entrepreneur
Researcher



Family man



Sport
fanatic





As a CEO I want to know when
all our projects are finished

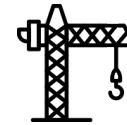
Where do we face multi project environments?



Engineering



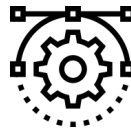
Shipbuilding



Construction



Software
Development

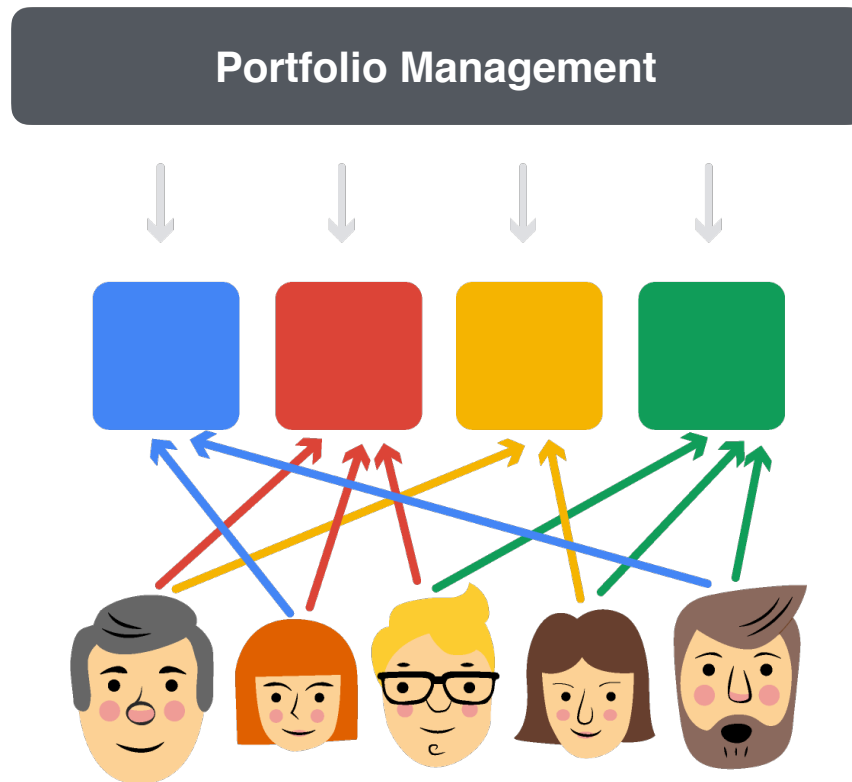


Planning
and Installation



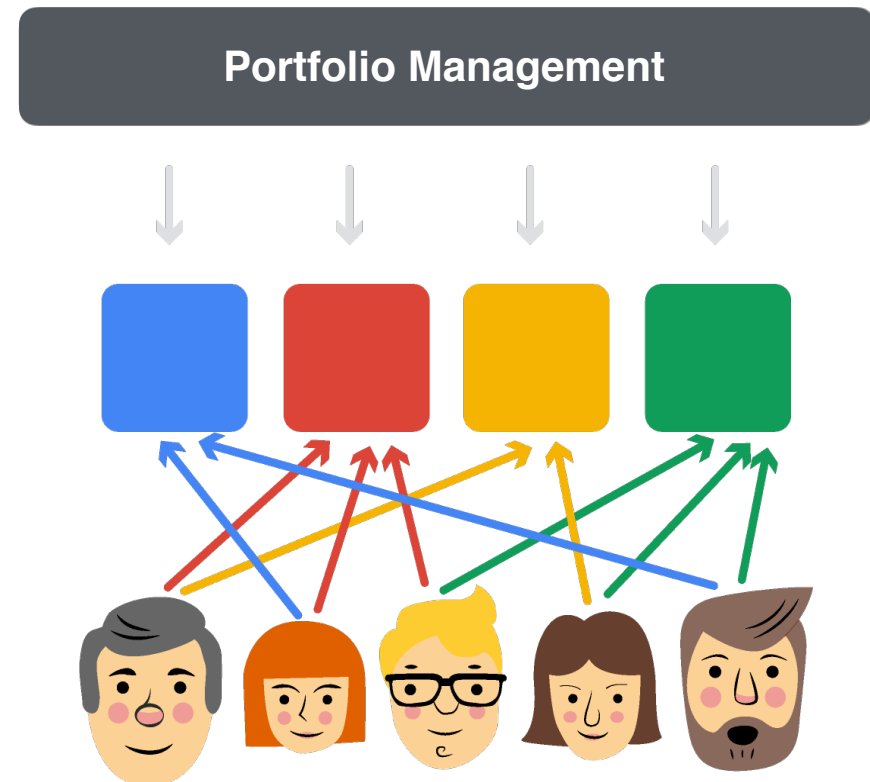
Manufacturing
to Order

The problem area



What impacts on-time delivery?

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10





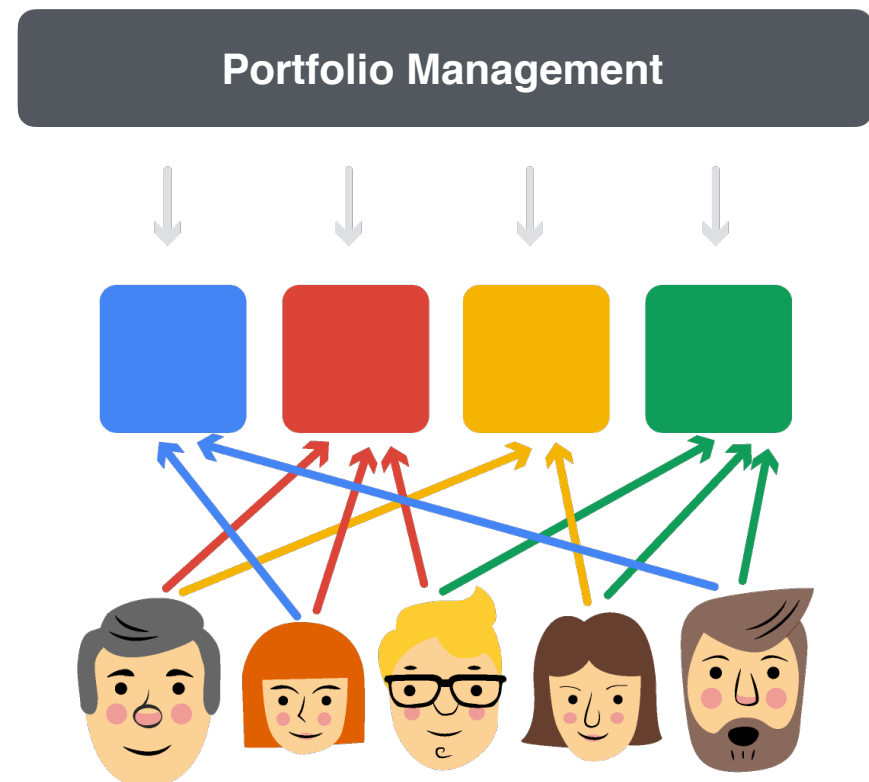
Research Expertise

During our doctoral research on multi-project management, we gathered data from 4,000 business owners, CEOs, and project managers

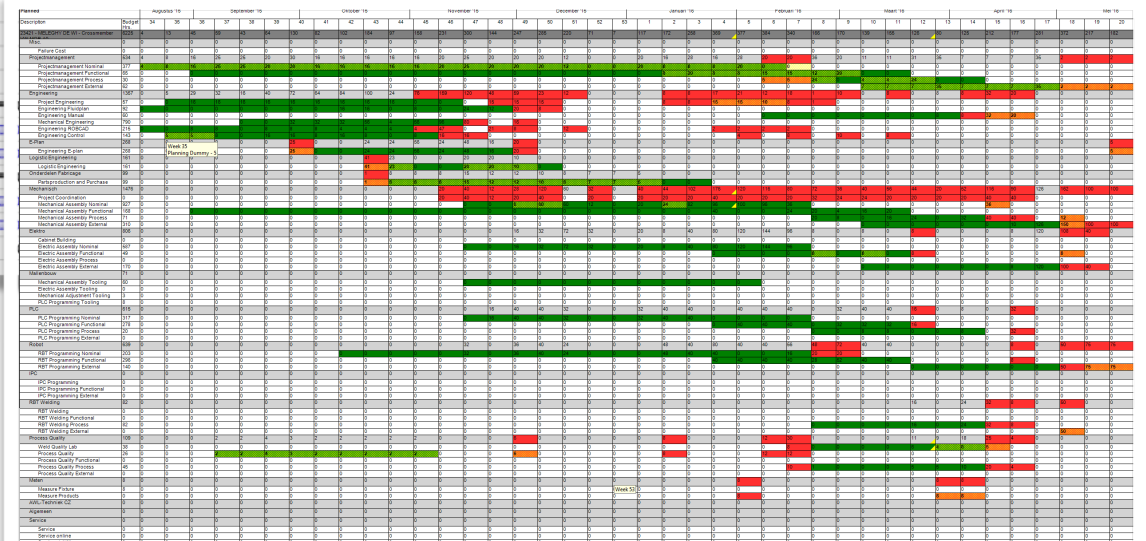
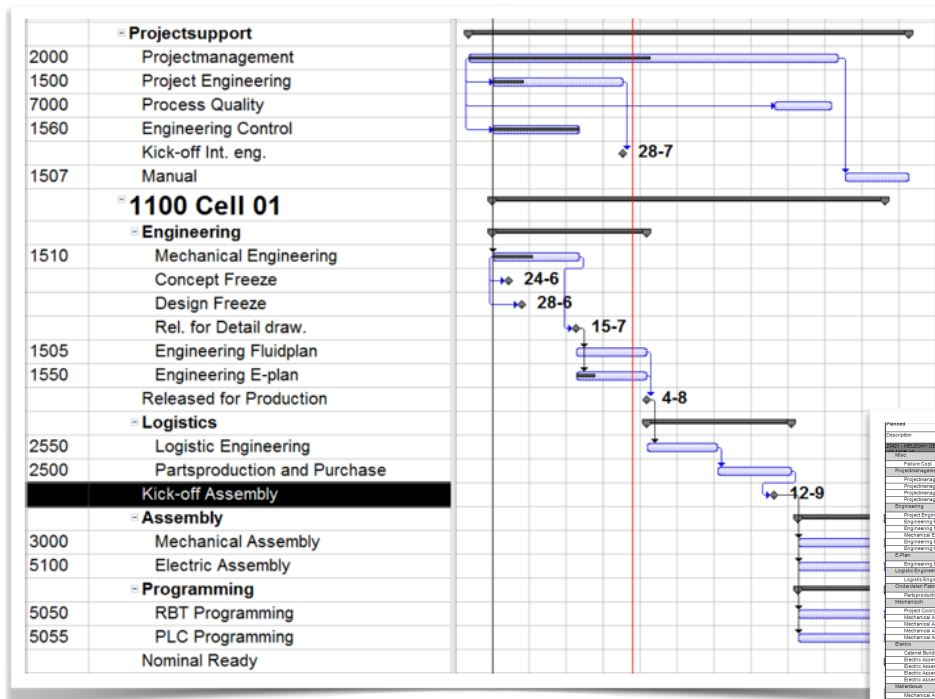


What impacts on-time delivery?

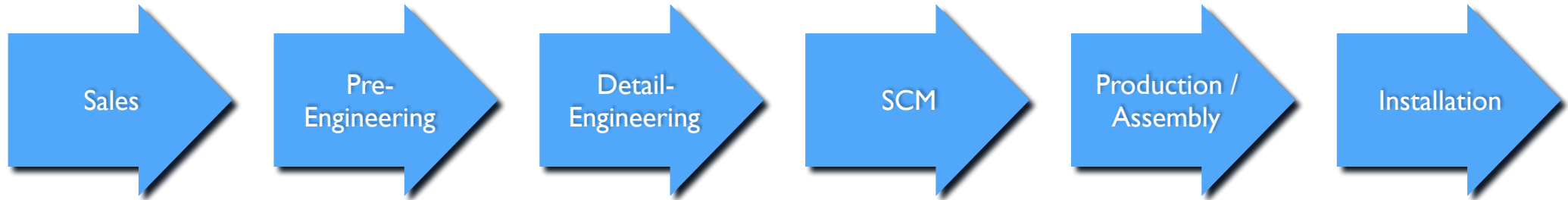
- 1 Unrealistic planning
- 2 Changing requirements
- 3 Lacking resources
- 4 Uncertainty (Murphy)
- 5 Overload / Lack of focus
- 6 Underestimation
- 7 Too much work / multitasking
- 8
- 9
- 10



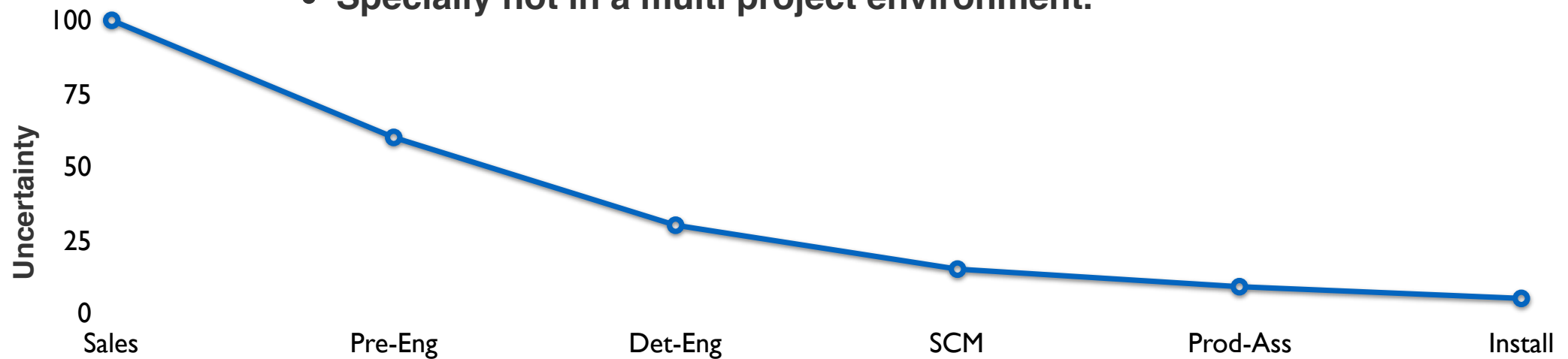
Situation in many companies



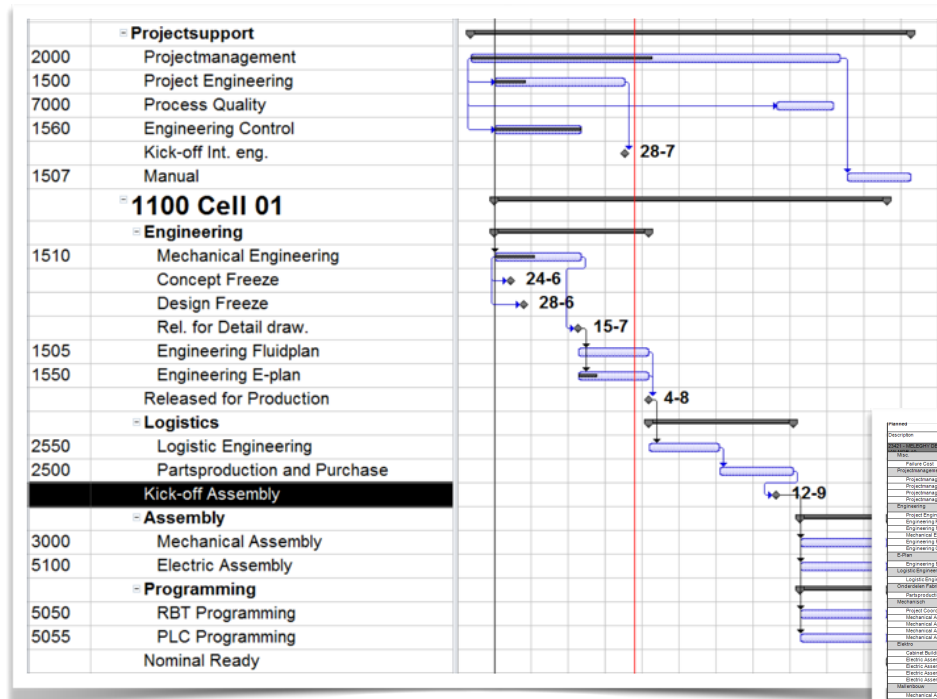
Problem with Gantt chart is determinism.



- Where uncertainty is high, Gantt does not work, to deterministic.
- You cannot plan start and end date of every task.
- Specially not in a multi project environment.



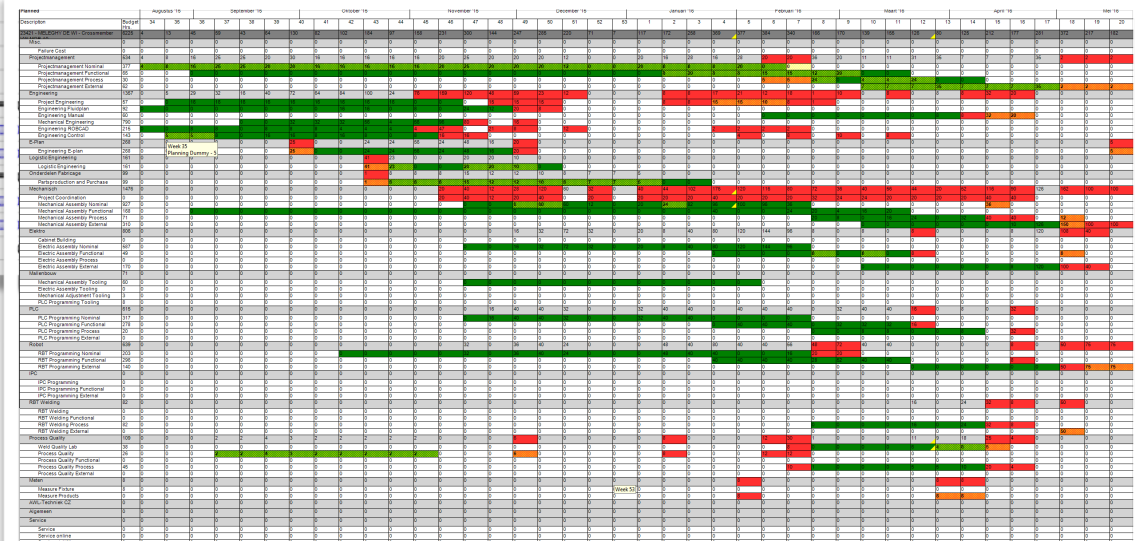
Situation in many companies



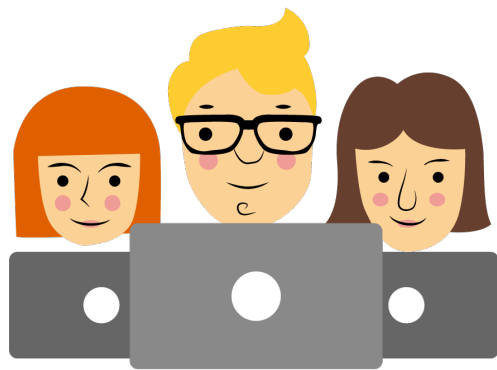
Extremely complex, inflexible, labor intensive, high fail rate

How do they perform?

Does all this detailed control help?



Example from a customer



Skill Team



Capacity



Workload

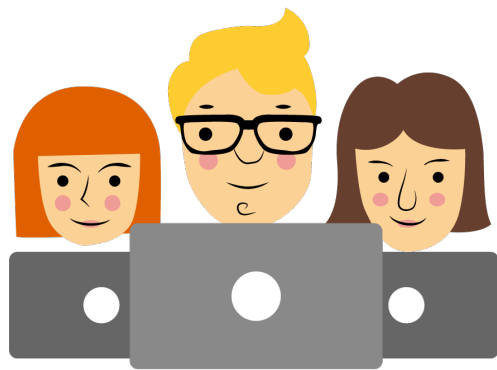


Output

HOW IT FEELS



Example from a customer



Skill Team



Capacity

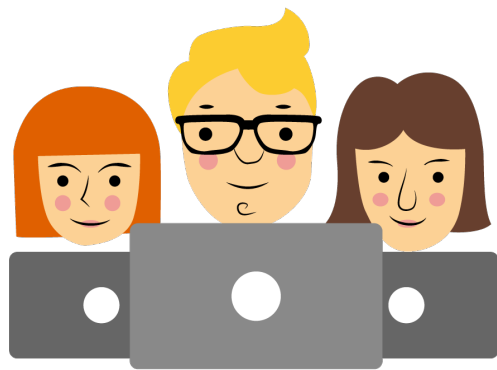


Workload



Output

Example from a customer



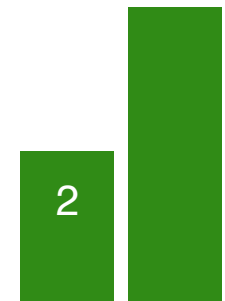
Skill Team



Capacity

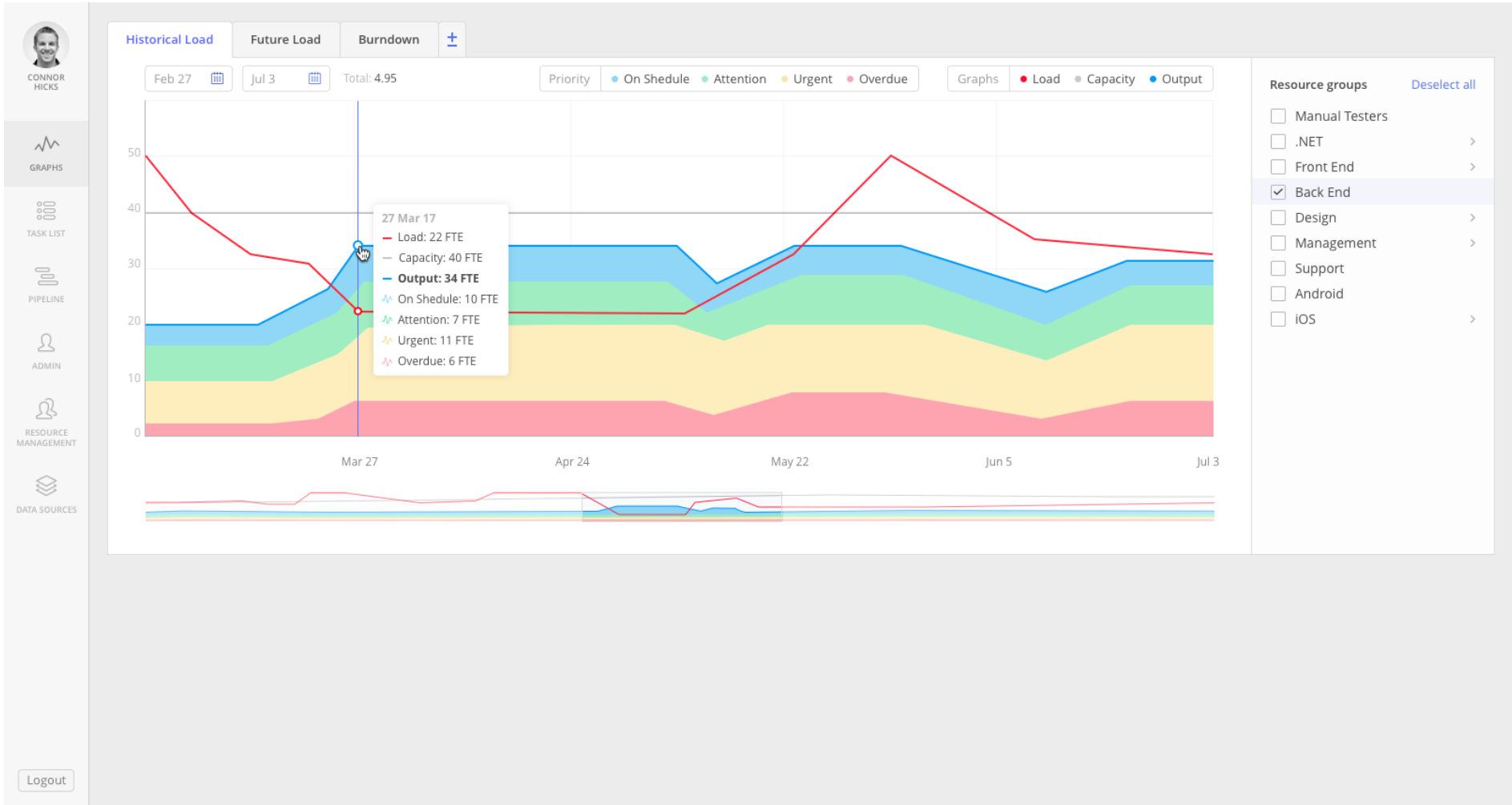


Workload

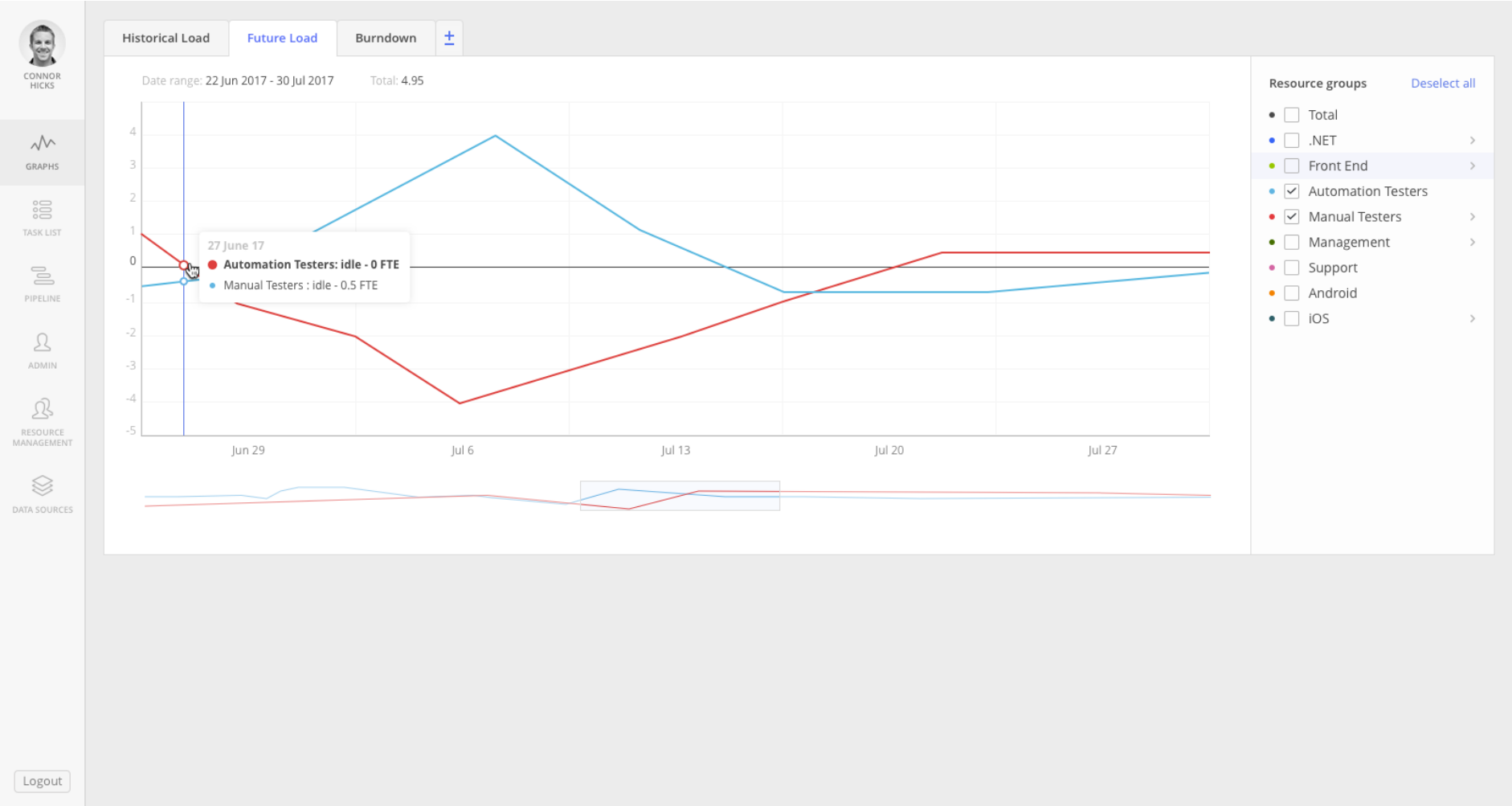


Output

Historical Load Graph

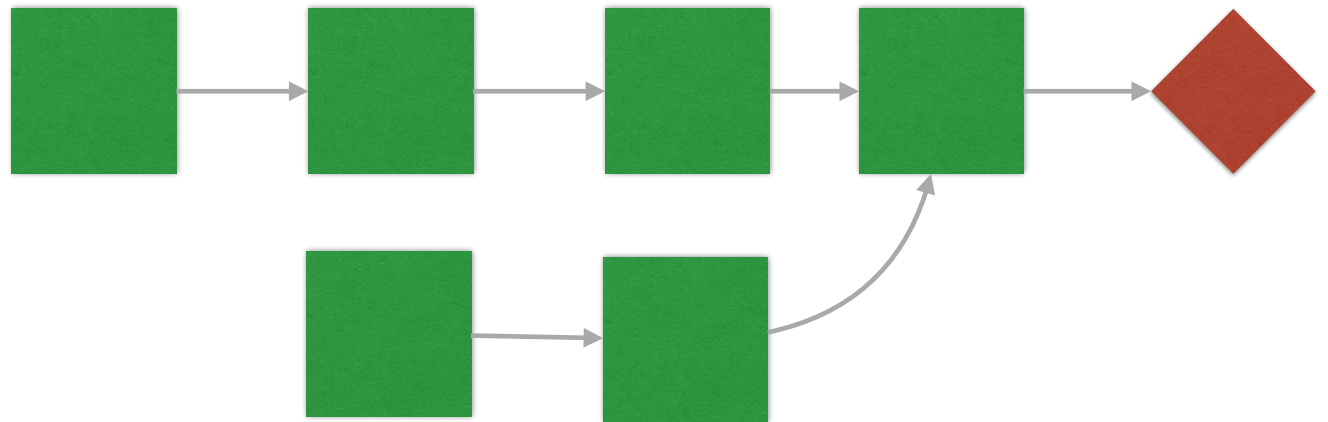


Future Load Graph



Minimum data required

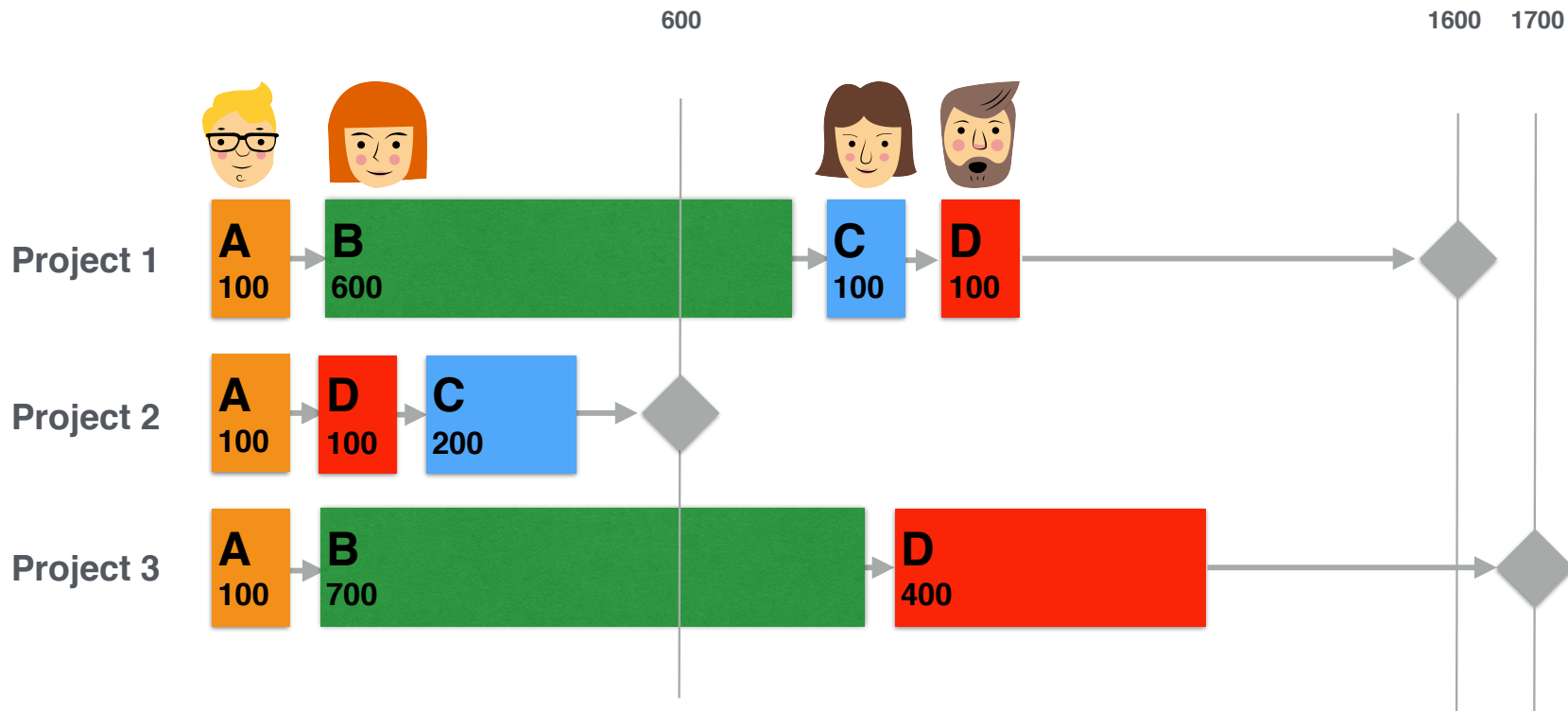
- Tasks and their dependency network
- Resource groups assigned to complete the task
- A rough work estimate of each task
- Project and milestone deadlines



**Right task
Priorities**



Which Project should resource A start working on?



Answers:

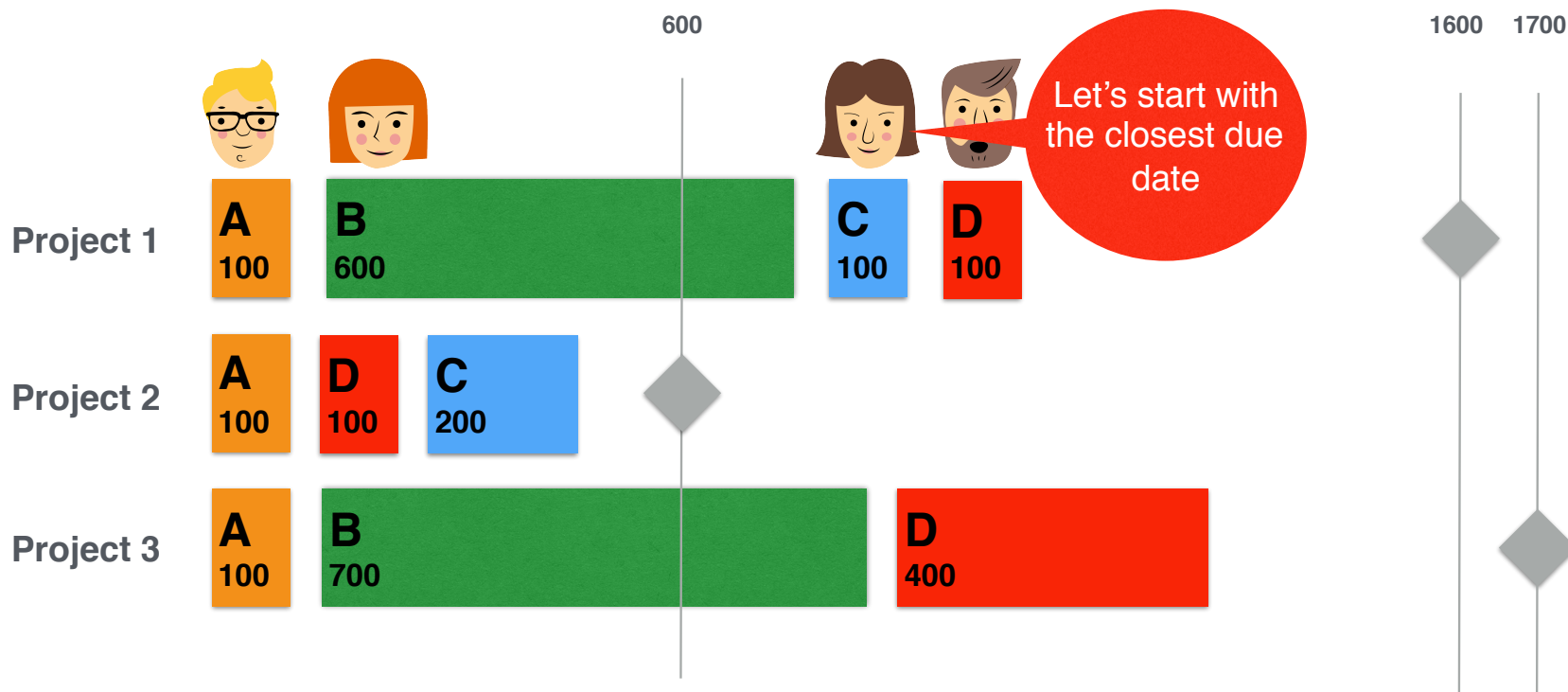
A. 1-3-2

B. 3-2-1

C. 2-3-1

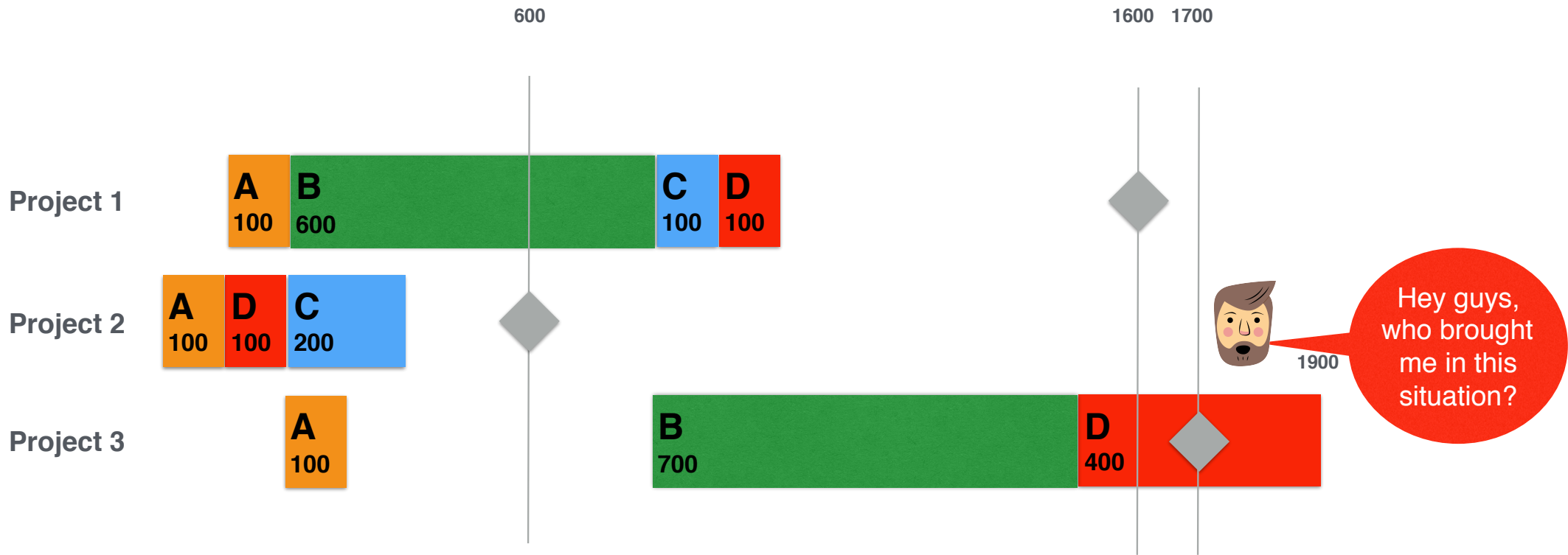
D. 2-1-3

Which Project should resource A start working on?



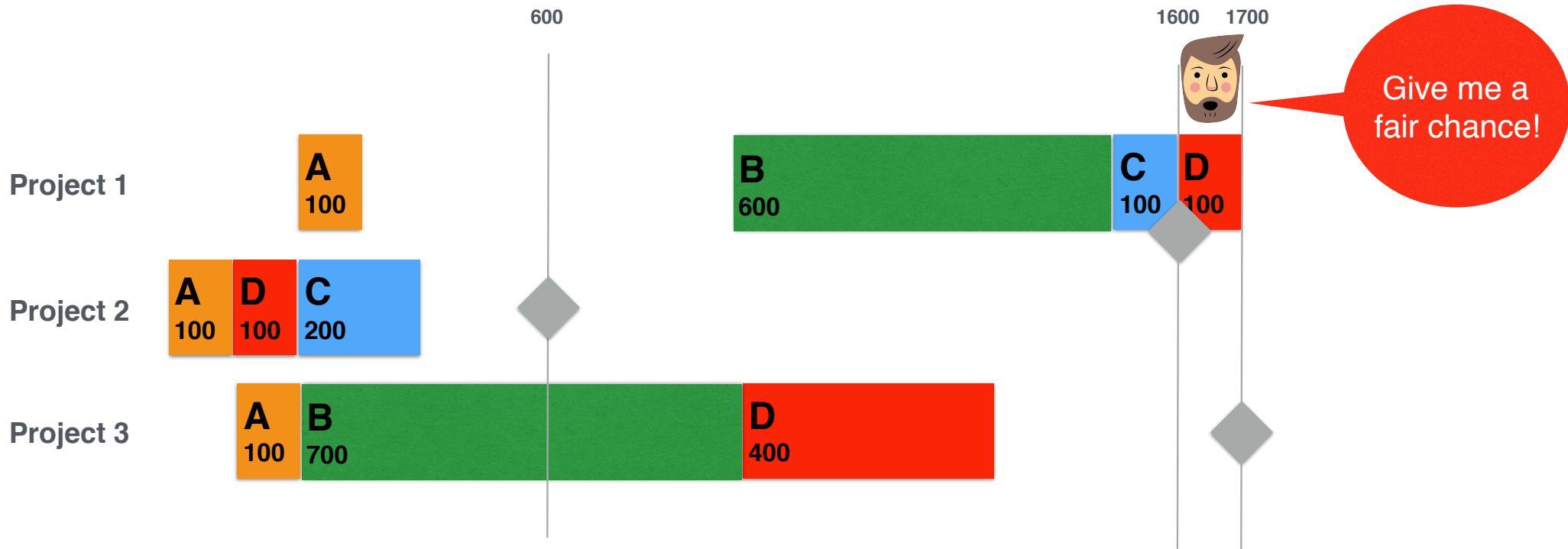
First due date based

Which Project should resource A start working on?



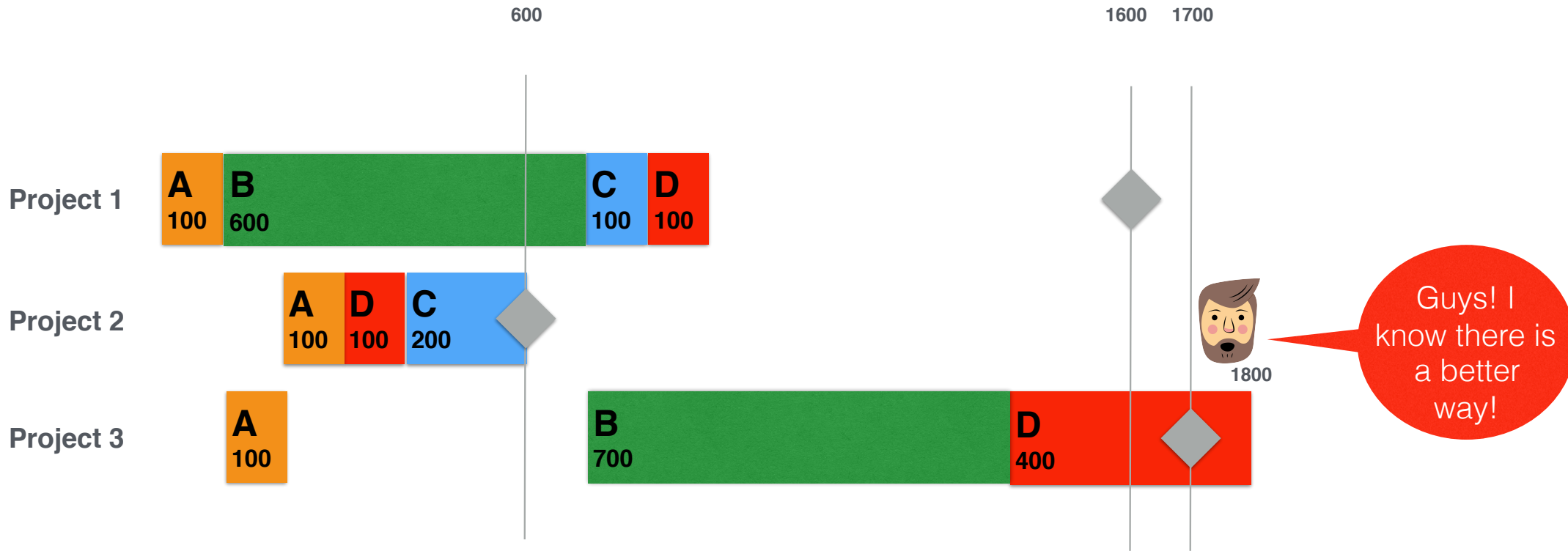
OOPS!
Lets switch 1 and 3

Which Project should resource A start working on?



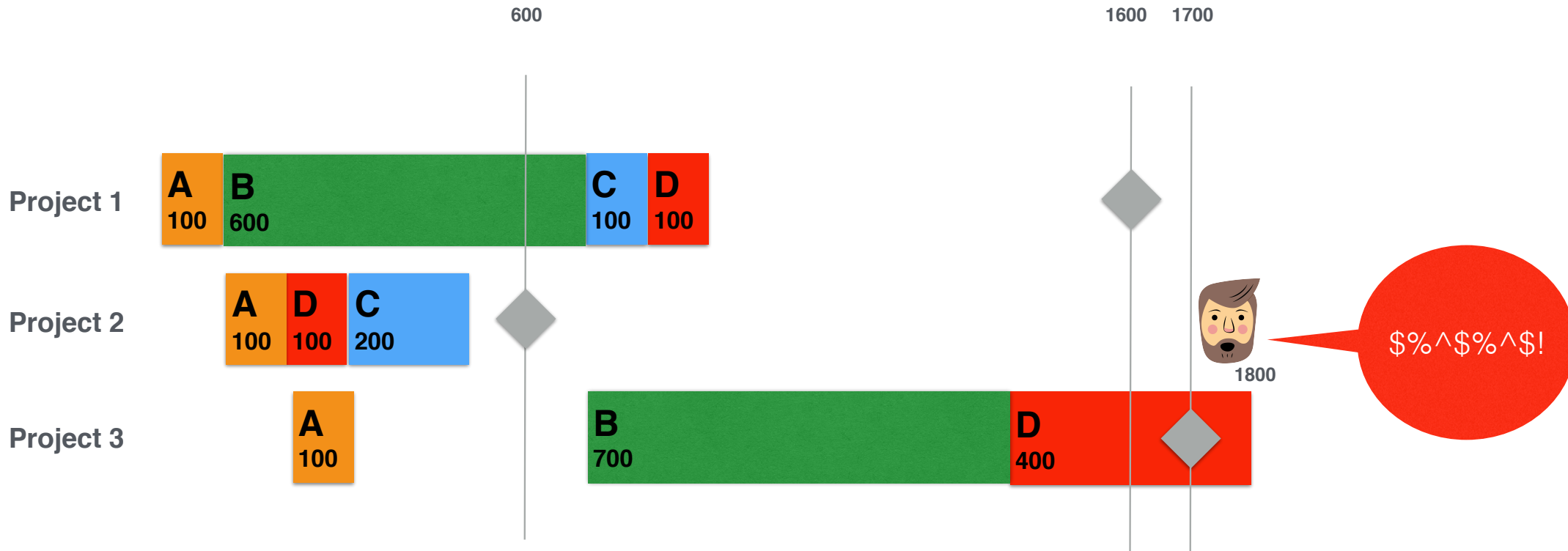
Oops, not good enough
Lets start with 1

Which Project should resource A start working on?



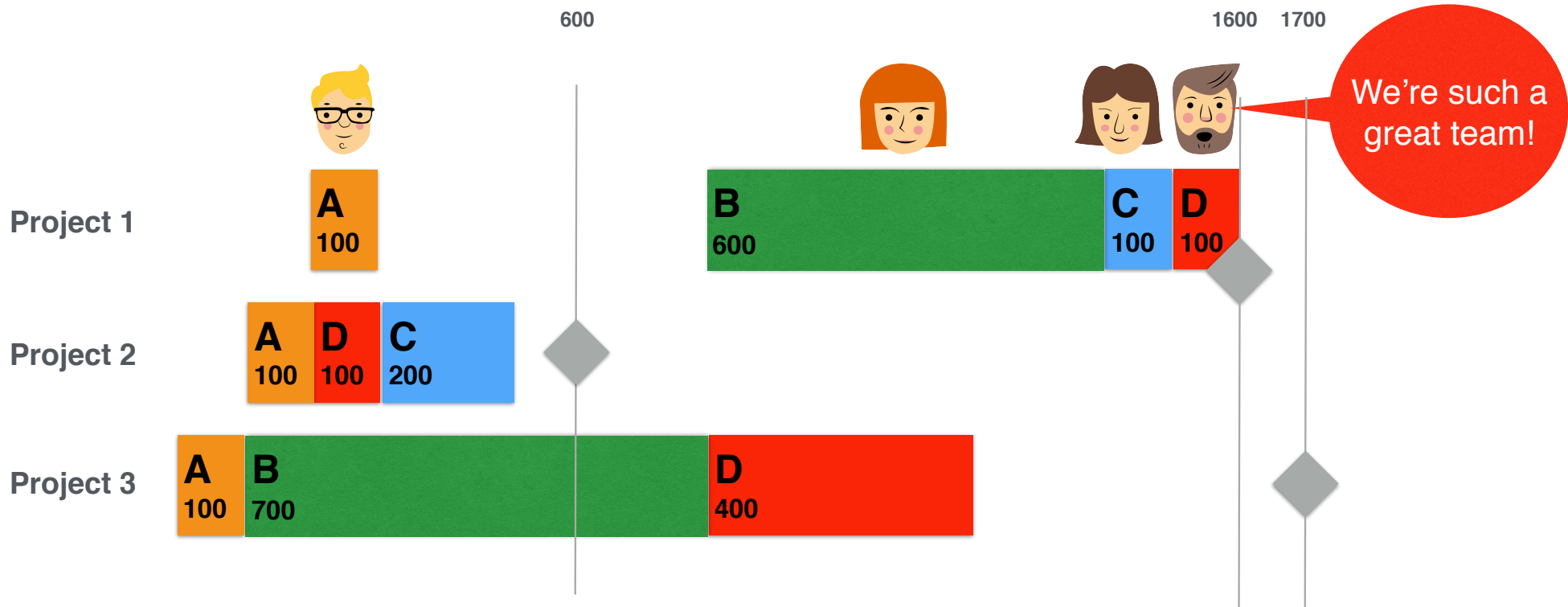
Oeps, still not good enough
Lets switch 2 and 3

Which Project should resource A start working on?



Oops, still not good enough
Lets start with 3

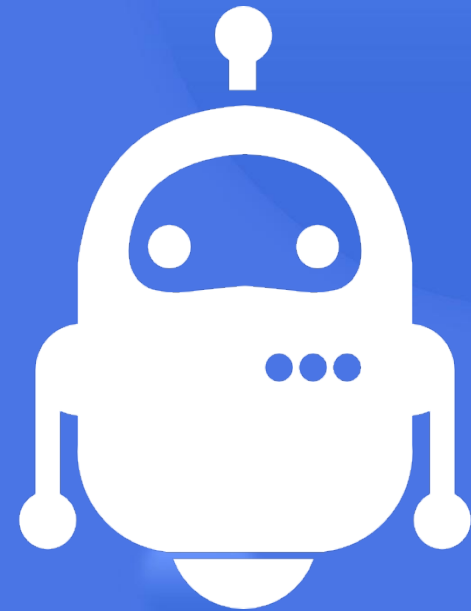
Which Project should resource A start working on?



Bingo, we are 200 till 300 hours earlier, we gained 20%!
Already time for new projects after hour 1600

That's easy, isn't it?

Number of parallel tasks	Possibilities to start with A
3	6
4	24
5	120
6	720
7	5.040
8	40.320
9	362.880
10	3.628.800



**You need
a super computer**

Priority list

The screenshot displays the 'Task List' interface on the epicflow.com website. The browser window shows the Safari browser with the URL 'epicflow.com'. The page title is 'Task List (97) - 1 340mh'. The interface includes a sidebar with navigation options like 'CONSOLE', 'TASK LIST', 'PIPELINE', 'ADMIN', 'RESOURCE MANAGEMENT', and 'DATA SOURCES'. The main content area shows a table of tasks with columns for Task, Project, Parent Path, Group, Resource, Spend / Remaining, Miles, Date, and Milestone Name. A callout box highlights the top five tasks by priority:

Task ID	Task Name
102	Renew Subscription
101	Internet Usage
98	Customer Support Page
93	Quarter Reports
87	Statistics chart

Below the callout, the rest of the task list is visible, including tasks like 'GAAuth 2.0 Integration', 'Rates Comparison', 'Premium Subscription', 'Online Help', 'Optimize live DB queries', 'Android integrate SSL with the project', 'Interaction with Apple Watch', 'Magento integration', 'Online data synchronization', 'User and process role management', 'Mail with the reset password link is not sent', 'Upload paycheck documents to personnel file', 'Cannot save changes on Edit Address', 'DB infrastructure refactor', and 'Create configurable'.

What do you need?

Manage dynamically changing circumstances by:

1. Informed resource management
2. Minimum planning overhead
3. Right task priorities



What are the main management interests?



**Your
Employees**

What is the most
important task to
do today?



**Project and Resource
Managers**

What is my project status?

Do we have the resources
now and in the future?

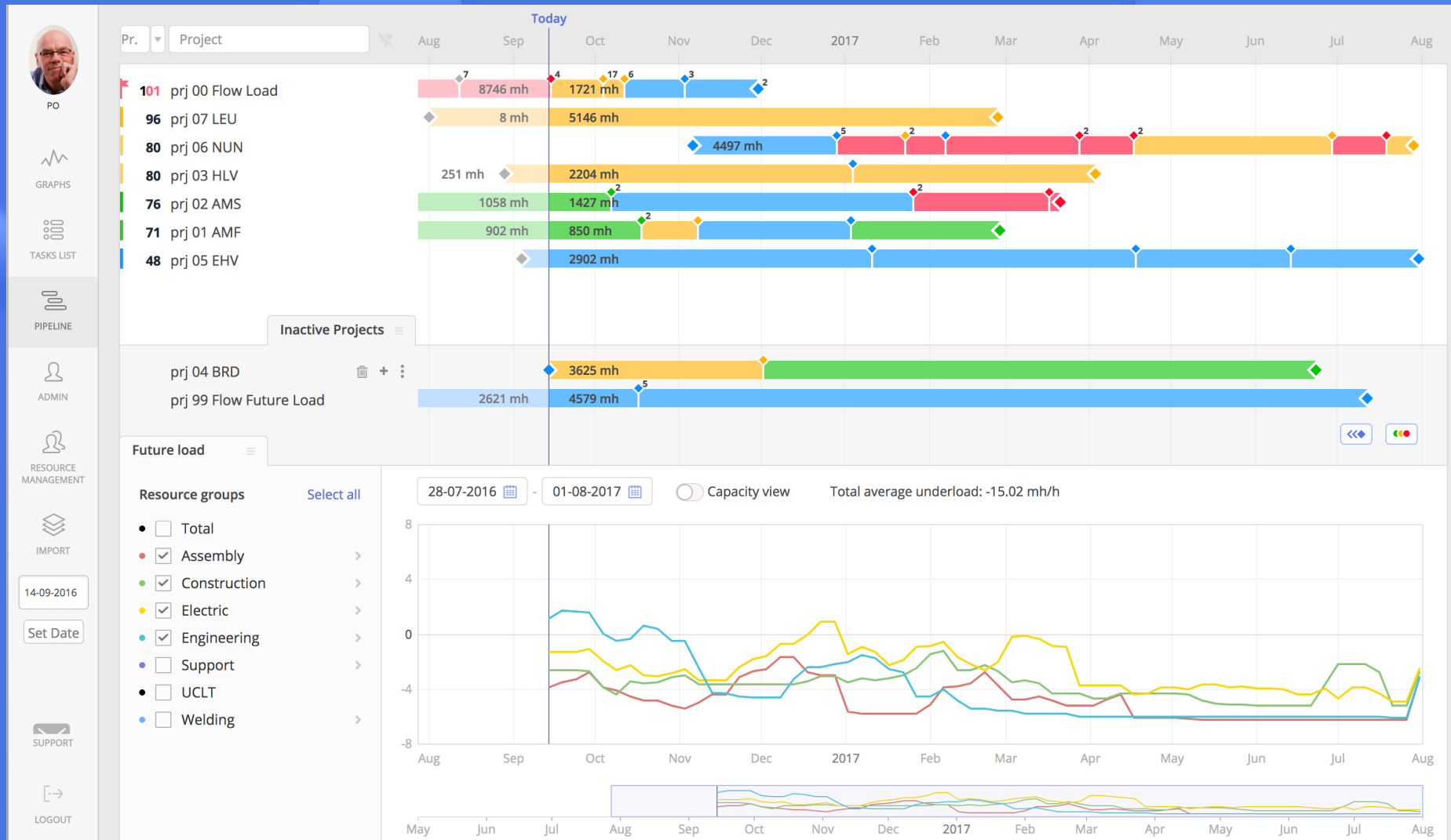


C-level Management

Show me the overview!

Is productivity increasing?

Pipeline overview



9 Tips



**To start
tomorrow**

Tip 1



**Tell your people
what to do first**

Tip 2



**Tell your people
to finish the task
fully and asap**

Tip 3



**Don't give a
bonus to a PM**

Tip 4



**Balance the load
of every resource**

Tip 5



**Give your people
the chance to
FOCUS**

Tip 6



**Let the team
decide how to
distribute the
tasks**

Tip 7



**Ask the people
how long his
task will take
to finish**

Tip 8



**Have the guts
to Freeze some
projects for
3 weeks**

Tip 9



It is all about
FOCUS, FLOW.
IT IS EPIC

Questions ?



Contacts:

Website: www.epicflow.com

Co-founder: Jan Willem Tromp

jan.willem@epicflow.com

Skype: [janwillemtromp](#)

Phone: **+31683986709**