

# Tools for Collaboration Management

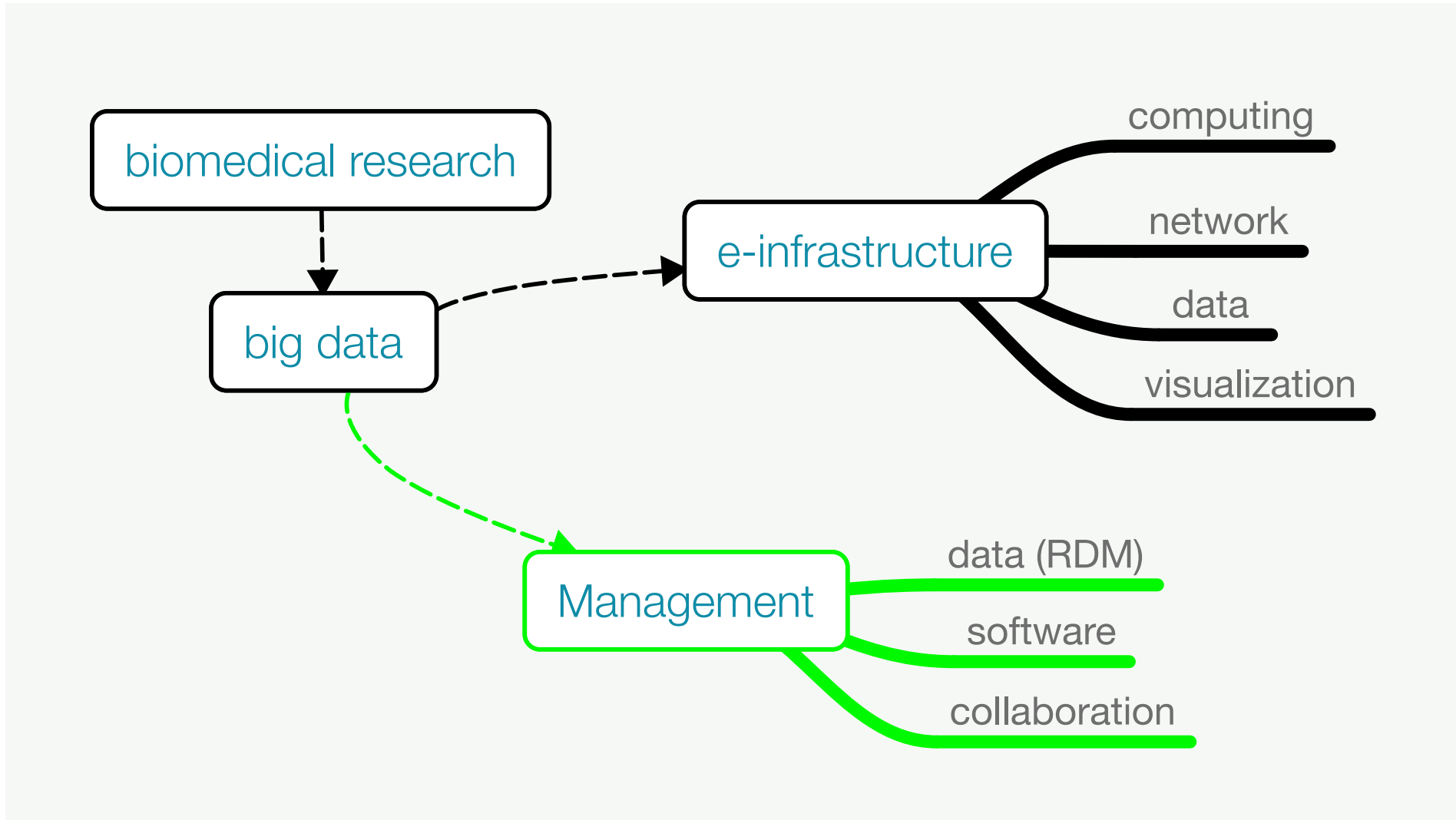
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<http://www.ebioscience.amc.nl/teaching/escienceGS>

# Today



# Why management tools?

- Management = “the process of dealing with or controlling things or people.” (google)
  - What for?
    - Enable & Control
    - Record & Retrieve
  - Data
  - Collaboration
  - Software
- 



# Towards Reproducible Science

## Data, Materials, and Code Availability

All code used for this study is available on GitHub<sup>1</sup>, including R notebooks ( ) that demonstrate how to reproduce all the results, figures, and statistics from the data. The eye tracking, questionnaire, and meta-data can be downloaded from a figshare repository ( ). All of these and additional resources can be found on this study's page on the Open Science Framework<sup>2</sup>.



<https://uvaauas.figshare.com/>



# Collaboration Management



*When teams use the right tools to work together, they often make improvements in both the process and the final outcome. Using the right **online collaboration tools** can make teams stronger and more productive. They let remote teams **communicate more efficiently**. They **archive and make searchable old discussions and work history**, which helps people learn from the past. They **eliminate** the back-and-forth nature of **email** communication. Many of them enable teams to talk about their work within the context of the work itself.*

<http://www.pcmag.com/article2/0,2817,2489110,00.asp>



# Collaboration control?

- ‘A collaboration tool is anything that helps people work on a common project together.’
- More than communication:
  - Teams, roles
  - Tasks
  - Calendar
  - Discussions
  - Wiki
  - & much more...



Which systems do you know?



POLL



# Examples

- redmine:
  - <https://redmine.ebioscience.amc.nl/>
- sharepoint:
  - <https://amsterdamumc.sharepoint.com/>
- slack:
  - see more info at <https://slack.com/>
- Open Science Framework
  - <https://osf.io/>





# redmine

- <https://www.redmine.org/>
- <http://demo.redmine.org/>
- need own installation
  - Multiple projects support
  - Flexible role based access control
  - Flexible issue tracking system
  - Gantt chart and calendar
  - News, documents & files management
  - Feeds & email notifications
  - Per project wiki
  - Per project forums
  - Time tracking
  - Custom fields for issues, time-entries, projects and users
  - SCM integration (SVN, CVS, Git, Mercurial and Bazaar)
  - Issue creation via email
  - Multiple LDAP authentication support
  - User self-registration support
  - Multilanguage support
  - Multiple databases support

<https://redmine.ebioscience.amc.nl>



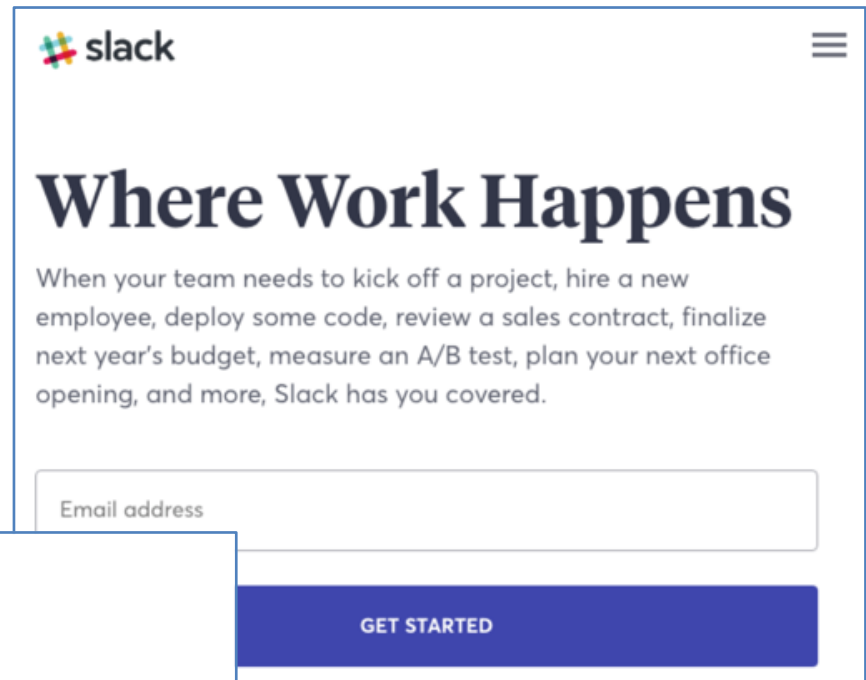
# Sharepoint

- service offered for all UMC's
- Login with AMC credentials
- Functions
  - Team sites
  - Sharing and editing of Microsoft Office documents
  - Calendar
  - Todo lists
  - Blog, discussions
  - Wiki

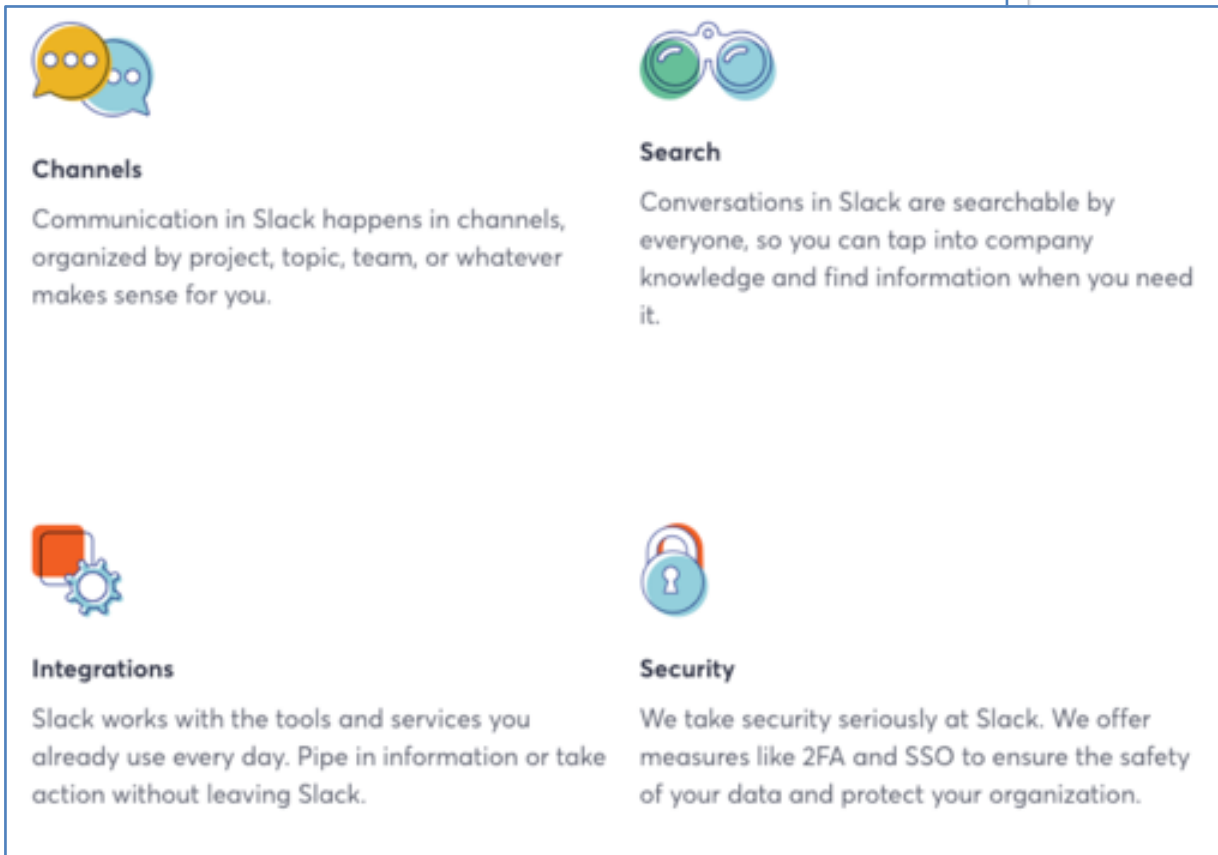


# slack

- <https://slack.com/>
- App



The screenshot shows the Slack homepage. At the top left is the Slack logo. At the top right is a hamburger menu icon. The main heading is "Where Work Happens". Below the heading is a paragraph of text: "When your team needs to kick off a project, hire a new employee, deploy some code, review a sales contract, finalize next year's budget, measure an A/B test, plan your next office opening, and more, Slack has you covered." Below the text is a text input field labeled "Email address". At the bottom right of the page is a blue button labeled "GET STARTED".



This section highlights four key features of Slack, each with an icon and a brief description:

- Channels**: Communication in Slack happens in channels, organized by project, topic, team, or whatever makes sense for you. (Icon: two speech bubbles)
- Search**: Conversations in Slack are searchable by everyone, so you can tap into company knowledge and find information when you need it. (Icon: binoculars)
- Integrations**: Slack works with the tools and services you already use every day. Pipe in information or take action without leaving Slack. (Icon: a square with a gear)
- Security**: We take security seriously at Slack. We offer measures like 2FA and SSO to ensure the safety of your data and protect your organization. (Icon: a padlock)



# Open Science Framework

- <https://osf.io/>
- free
- <https://www.youtube.com/watch?v=2TV21gOzfhw>



# Recap: collaboration management

- Support group work
- Support project management
- Various systems

