Applied Data Science Project

L13 - Project development tools III

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Turin, October 8, 2021

Timeline

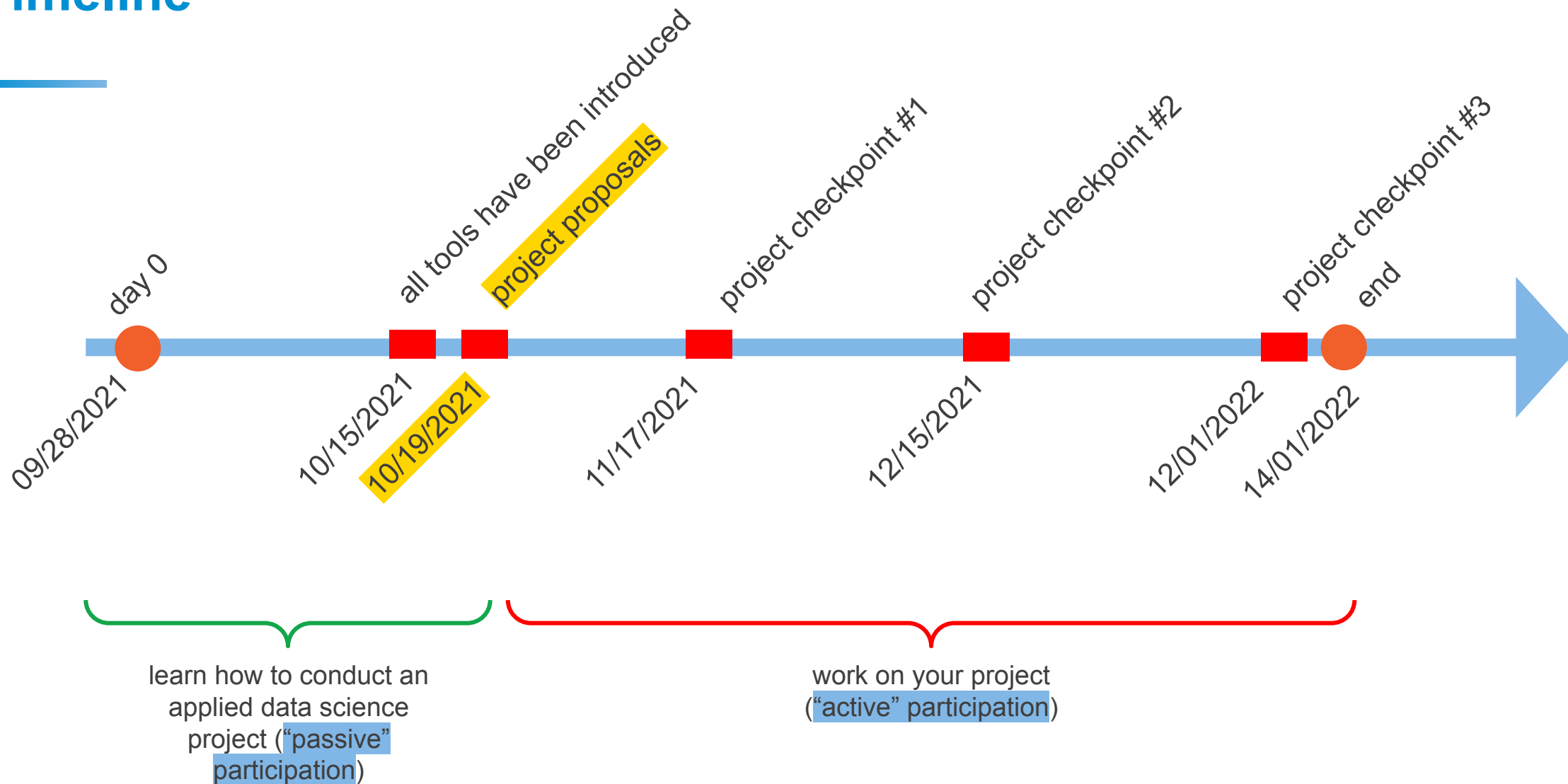**Timeline events:**

- day 0 — 09/28/2021
- all tools have been introduced — 10/15/2021
- project proposals — 10/19/2021
- project checkpoint #1 — 11/17/2021
- project checkpoint #2 — 12/15/2021
- project checkpoint #3 — 12/01/2022
- end — 14/01/2022

learn how to conduct an applied data science project ("passive" participation)

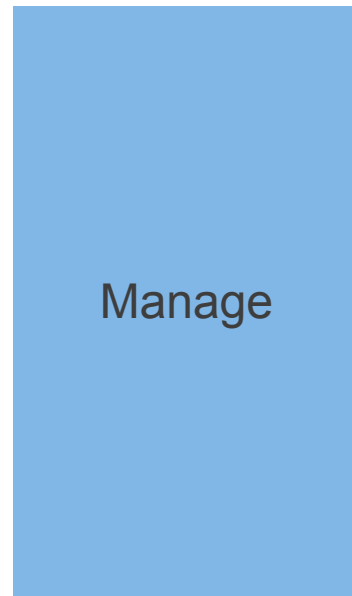work on your project ("active" participation)
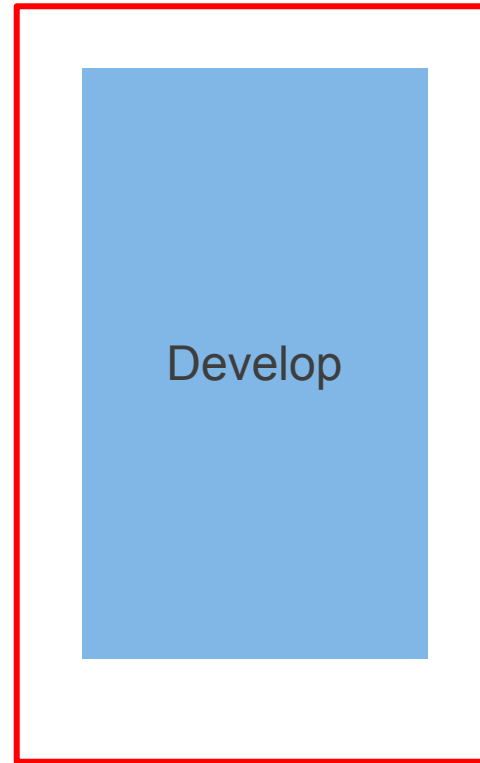
Pillars
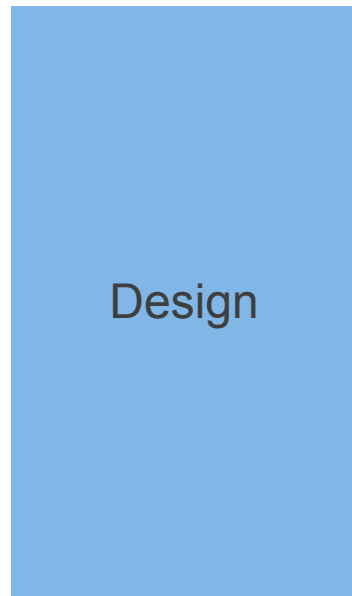
Design

Manage

Develop

Communicate

Apps

- agile and scrum

- collaborative workspaces
  - program development   Colaboratory
  - repository   Colaboratory & Github
  - communication among project developers   Slack

Communication among project developers

- Centralize communication and reduce the number of emails exchanged

- Keep all team involved in the project

- Raise awareness on the choices

- Help to develop a team vision, all members are a part of a team

Slack

https://slack.com

An application where to communicate in a workspace with team members. Available on different systems and offers integration with other apps (such as Google Drive, Asana)
It is accessible with a freemium licence (if you need premium features, then you pay)

Workspace

ADSP
adsp-polito.slack.com

A communication workspace for the entire team involved in the project

For instance for this training project "Applied Data Science Project", we have the above workspace where teachers, teaching assistants and students communicate
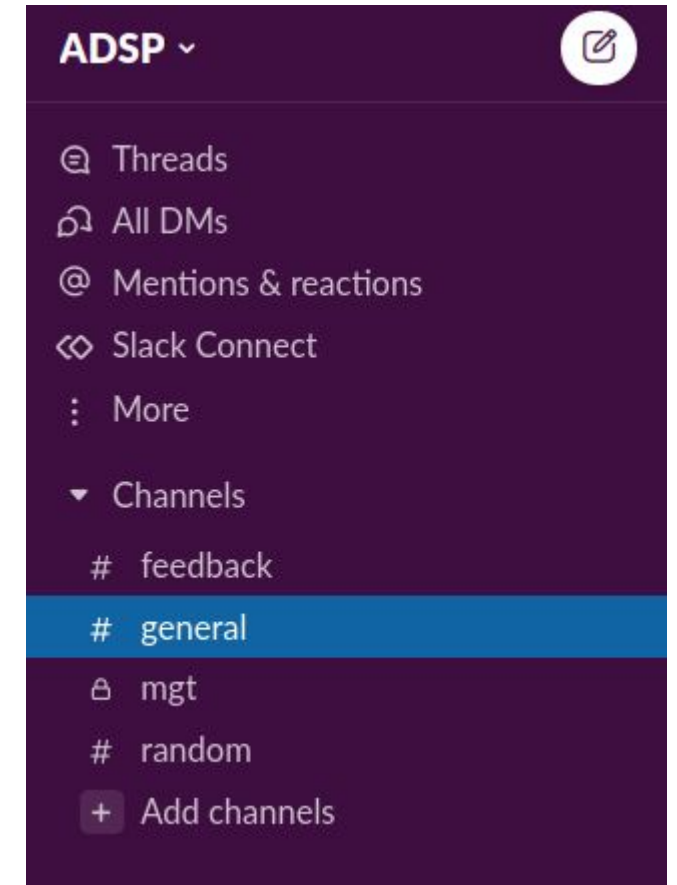
Channels

Organize your team discussions in channels

Usually one channel per activity

Public channels (#) help to have a transparent management and project execution -> majority of the channels

Sensitive information (🔒) are shared among a selected list of team members -> a few of the channels

Direct messages

Instant messaging with team members

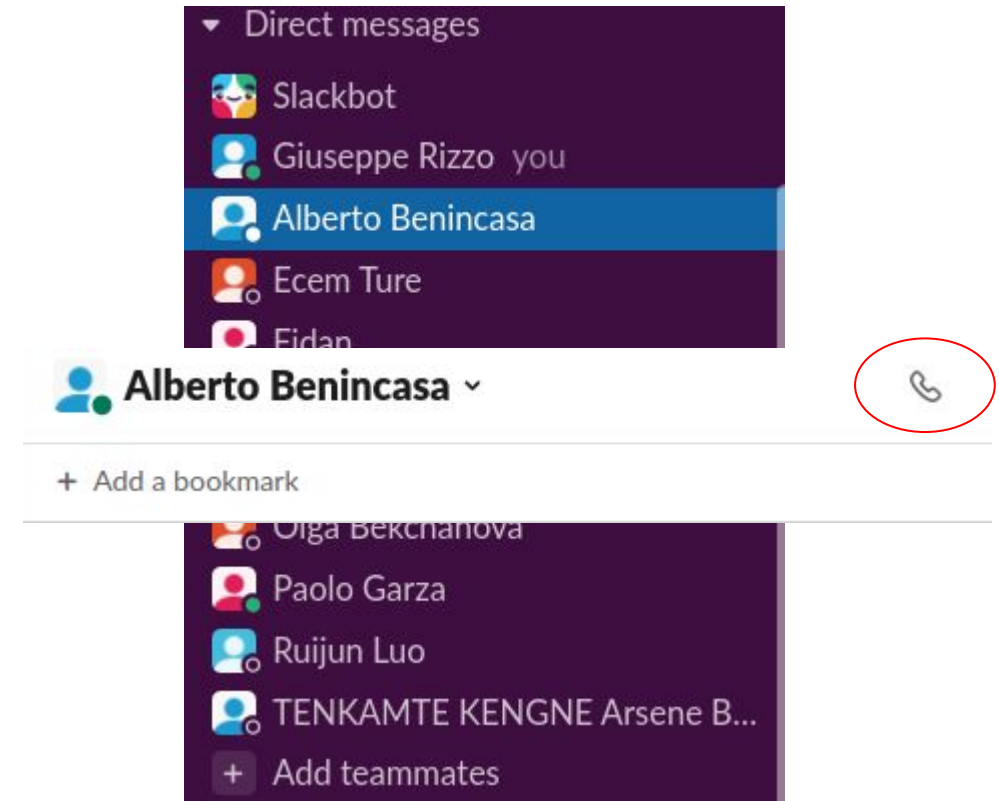Address tasks where people involved in a conversation are involved

Even though they can be created direct messages with multiple people, this is discouraged in favour of private channels if necessary otherwise public
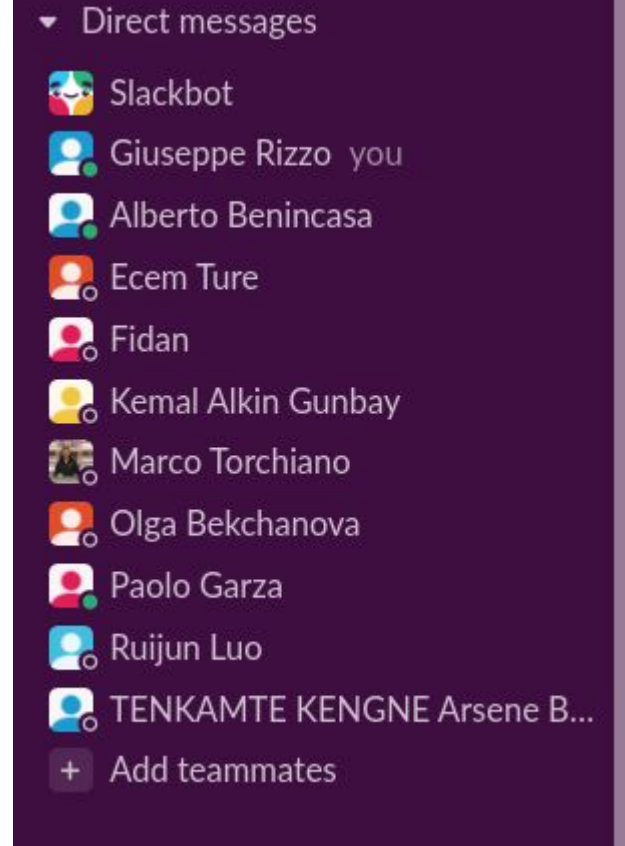
Direct messages or integrated calls

Click on the mate's name under direct messages

Either type a message or do a call

Search

When channels have numerous interactions and posts

Search is at the workspace level up to the access rules for channels of whom performs the search

Reaction to a message

Creation of a thread discussion

Reaction with emoticons

Pinning of a message for further indexing

Sharing of a message

Notification

Fine grained notification configuration

- device (desktop app, web app, mobile app)

- channel(s) / direct message

linksfoundation.com

Drop a file

Ease file sharing by dropping a file or sharing a link to a collaborative document

Though it cannot substitute a repository, it is a quick and dirty way of sharing materials

Depending where a file is shared -- public channel, private channel, direct message -- it inherits the access list

Integration

Google Drive
Get notifications about Google Drive files within Slack

Add

Trello
Collaborate on Trello projects without leaving Slack.

Add

Zoom
Easily start a Zoom video meeting directly from Slack.

Add

Google Calendar
See your schedule, respond to invites, and get event updates.

Add

Twitter
Bring tweets into Slack.

Simple Poll
Create simple polls and surveys in

Standup.ly
Standup Bot #1: Surveys & Polls via

Jira Cloud
Official app by Atlassian.

Number apps can be integrated

Outlook Calendar
Sync your status, respond to invites, and see your schedule.

Add

Polly
Instant engagement through polls, surveys, standups and trivia 📊

Add

OneDrive and SharePoint
Search, share and preview your OneDrive & SharePoint Online file...

Add

Dropbox
Connect Dropbox to your Slack workspace to easily share content...

Add

Slack for Gmail
Send emails into Slack to discuss them with your teammates.

Add

Asana
Move work forward.

Add

Cisco Webex Meetings
Start, schedule or join Webex video meetings from Slack.

Add

Box File Picker
Securely store, share, and manage all your files

Add

Integration example
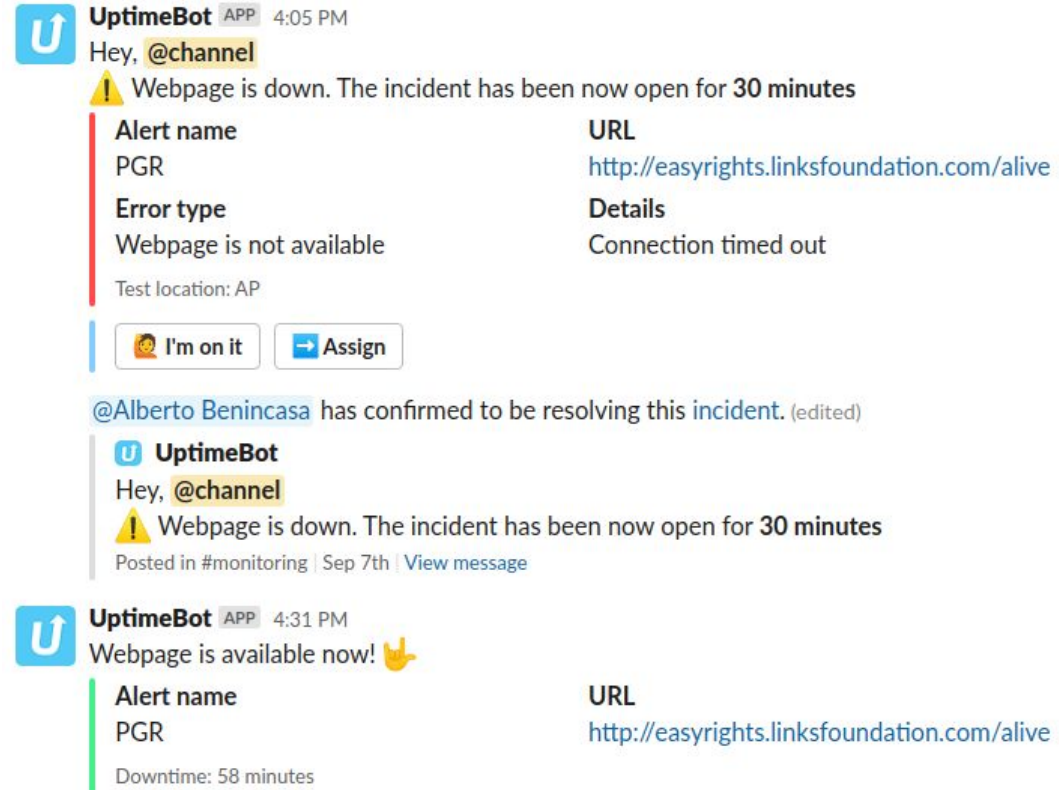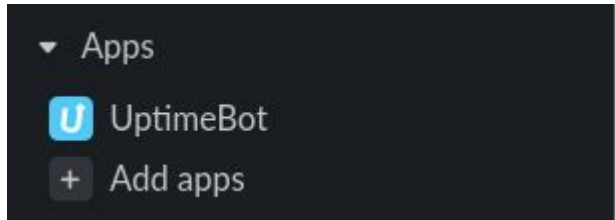
It monitors the uptime of web services or applications performing timely queries

Personal assistant

it reminds on actions happening in the workspace and it can be queried for questions such as "How can I add a guest account", often it answers :)

Statistics

Tools -> Analytics it summarizes the activity in the workspace

Thank you for your attention.

Questions?

CONTACTS

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