



Hey, human! Stand by for the next session!



Will Power Automate replace us?

Katerina Sarycheva





UNIVERSIDADE
DE LISBOA



Lisbon School
of Economics
& Management
Universidade de Lisboa



This event is organised by the following non-profit technical communities:



#GlobalAILisboa #GPPBLisboa #GlobalAI #GPPB2023



Katerina Sarycheva

BI Consultant

Several DW in Finance sector

SQL Server/Oracle, Metadata driven ETL, Power BI

5+ years experience

Born in Minsk, living in Prague

Have no time to do the office work



NESS Czech

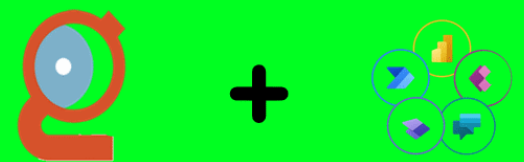
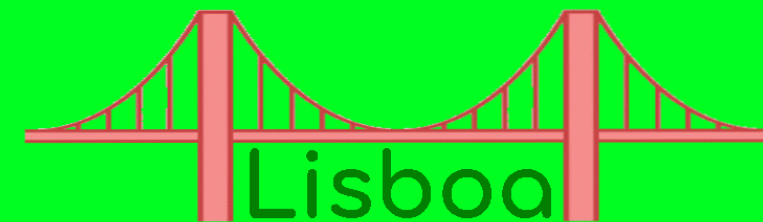
We **digitalise** both
public and the corporate processes.

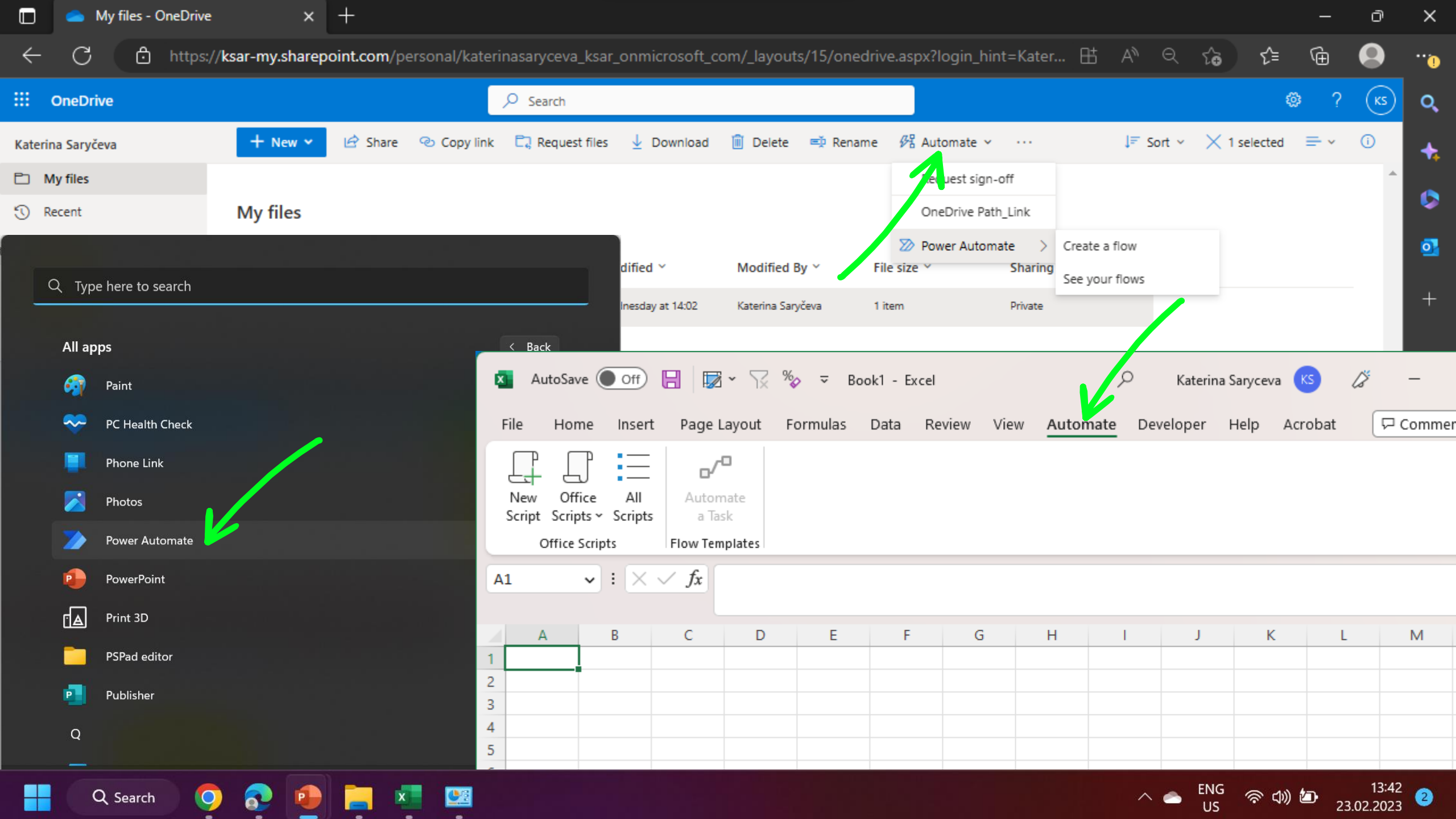
We introduce and develop
modern information technology.

Agenda

1. What is the Power Automate?
2. A workflow from scratch in Power Automate for web
3. Recommendations for beginners

What is the Power Automate?







Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.



Power BI
Business analytics



Power Apps
App development



Power Automate
Process automation



Power Virtual Agents
Intelligent virtual agents



Power Pages
External-facing websites



**Data
connectors**



AI Builder



Dataverse

Microsoft Power FX language



Power Automate



Power Automate for web



Power Automate for MS Teams



Power Automate for desktop



Power Automate for mobile

Work less, do more

Power Automate

Search

Environments

Katerina Saryceva (defa...

Settings

Help

Profile KS

Home

Approvals

My flows

Create

Templates

Connectors

Data

Monitor

AI Builder

Process advisor

Solutions

Learn

Welcome new team members

Undo Redo Comments Save Flow checker Test

When a new team member is added

Get user profile (V2)

Post message in a chat or channel

Send an email (V2)

Post message in a chat or channel

* Post as

Flow bot

* Post in

Channel

* Team

TheTeam!

* Channel

General

* Message

Hi everyone, please join me in welcoming

Display Name

, who will be joining as a

Job Title

, and will sit in

Office Location

. Please stop by to say hello.

Welcome

Given Name

 !!

Send an email (V2)

* To

Mail

* Subject

Welcome to the team TheTeam!

* Body

Hi,

Given Name

Now you have access to our team [TheTeam!](#) There are onboarding instructions in the folder [Welcome On Board](#).

Please reach out if you need any help to access documents or resources.

Best regards, Katerina

+ New step

Save



Activity



Chat



Teams



Calendar



Apps



Help



Chat



Recent



Jan TheColleague
How you doin'?

9:14 PM



Power Automate
CreateReleaseEvents has loaded ...

10/5



Katerina Saryceva (You)
You: aaa

10/2



Power Automate Chat 5 more



Power Automate Sunday 7:21 PM

I can run any flow that's:

- triggered on a schedule
- manually triggered with no inputs

For the default environment, I can run:

1 : Timesheet_D-1

Sunday 7:21 PM
Describe flow 1



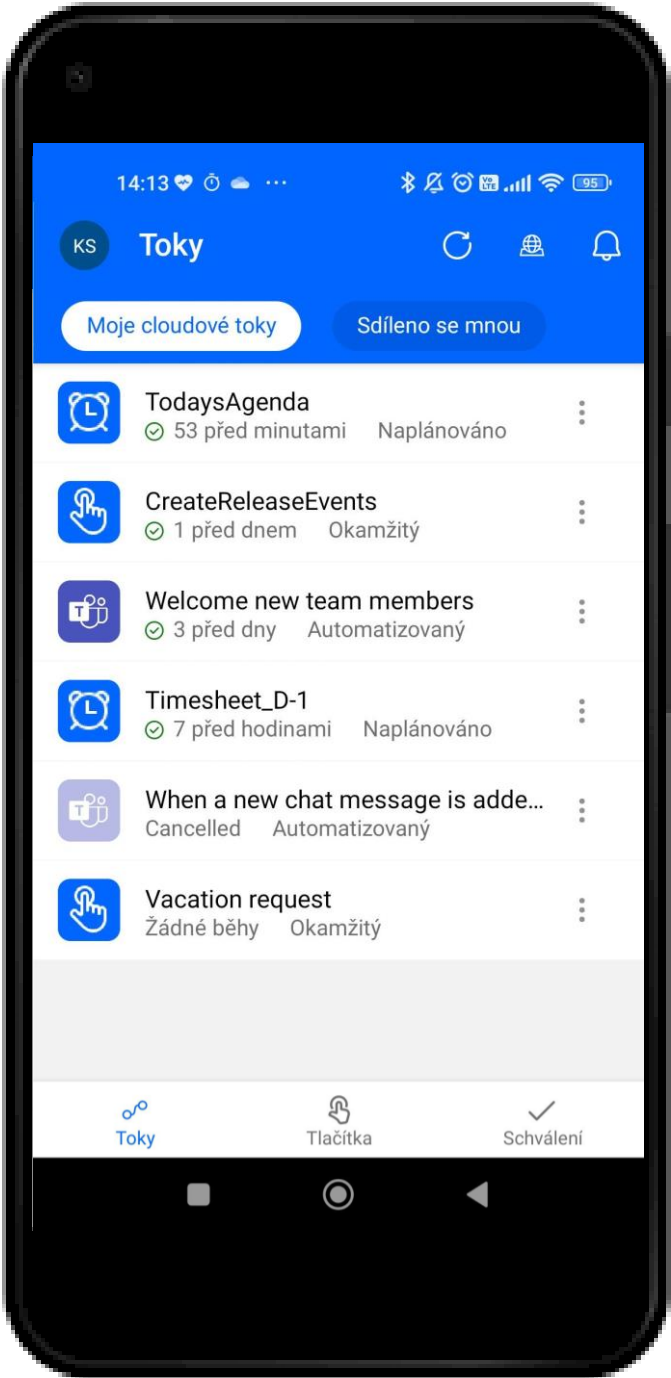
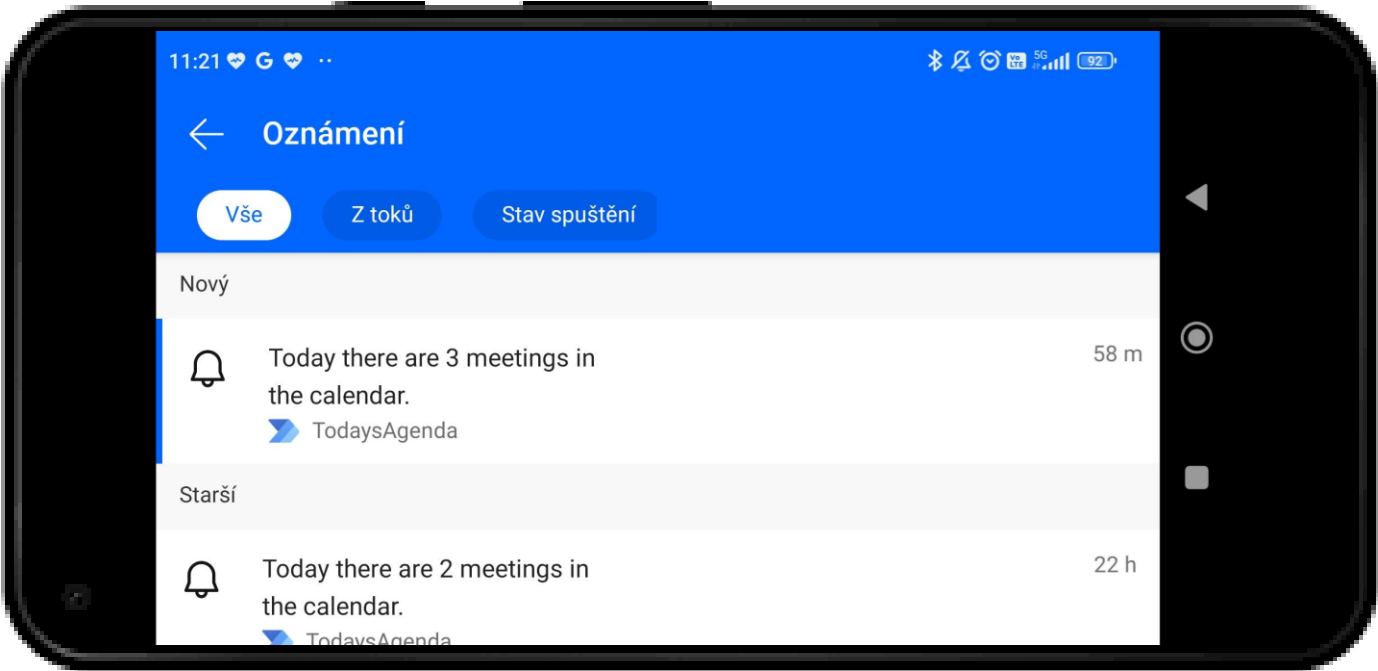
Power Automate Sunday 7:21 PM

The description for flow "Timesheet_D-1" is : Runs every day at 06:00 and loads Outlook events for the previous day to an Excel table. Events are filtered: only "Busy" and "Free" types are processed. Workflow requires a table named tTimesheet. Workflow requires an OfficeScript in Excel to clear table filters..

Type a new message



Power Automate for mobile



FileEditDebugToolsViewHelp

Get the data from the webpage | Power Automate

—□×

Actions

Search actions

> Variables

> Conditionals

> Loops

> Flow control

> Run flow

> System

> Workstation

Print document

Get default printer

Set default printer

Show desktop

Lock workstation

Play sound

Empty recycle bin

Take screenshot

Control screen sav...

Get screen resolut...

Set screen resoluti...

Log off user

Shutdown compu...

> Scripting

Subflows

Main

1

The 'Display input dialog' action prompts you to enter the address of the website you want to launch.

2

Display input dialog

Display input dialog with message 'Please provide the website address to launch..' in the notification popup window with title 'Website address' and store the user's input into URL and button pressed into ButtonPressed

3

The following 'If' action checks whether the 'Cancel' button was pressed in the input dialog. If not, the flow launches the specified web page.

4

If ButtonPressed <> 'Cancel' then

5

The 'Launch new Microsoft Edge' action launches the specified web page in a maximized window.

Please note that the Power Automate browser extension is...

Launch new Microsoft Edge

Launch Microsoft Edge, navigate to URL and store the instance into Browser

6

End

7

Variables

Search variables

Input / output variables0

There aren't any input or output variables here yet

+

Flow variables3

{x} Browser

{x} ButtonPressed

{x} URL

Use cases

Office applications

- Bulk create Google Calendar events
- Annoy the team with irregular reminders
- Download email attachments to Sharepoint

Approvals

- Vacation requests
- Expense approval

Get data from any API

- Get a Chuck Norris joke in a Teams message

Web scraping



Flow types

Cloud flows

-  Instant flows are triggered manually
-  Scheduled flows run in pre-defined frequency
-  Automated flows are triggered by some event

Desktop flows

-  A flow in your PC – can be attended x unattended

Business process flows

-  Guides the user in a complex process

Licensing

Licensing Guide (8 pages)

- Free licence
- Standalone licenses
 - Per user
 - Per flow run
- Limited capabilities are included within
 - Windows,
 - Office 365,
 - Power Apps,
 - Dynamics 365 licenses

Check out your current license

Microsoft 365 Business Standard

My licenses

-  Power Automate for Office 365
-  Power Automate Free

Capabilities

- ✓ Standard connectors
- ✗ Premium connectors
- ✗ Custom connectors
- ✗ On-premise connectors
- ✗ Robotic process automation (RPA) - attended
- ✗ Robotic process automation (RPA) - unattended
- ✓ Business process flows
- ✗ AI Builder
- ✗ Process advisor

Questões? Questions?



- Power Automate is a member of the Microsoft Power Platform
- It is about saving your time and integration
- There are 4 applications:
Web, MS Teams, Desktop and Mobile
- It can connect to non-Microsoft applications
- You probably have a Power Automate licence

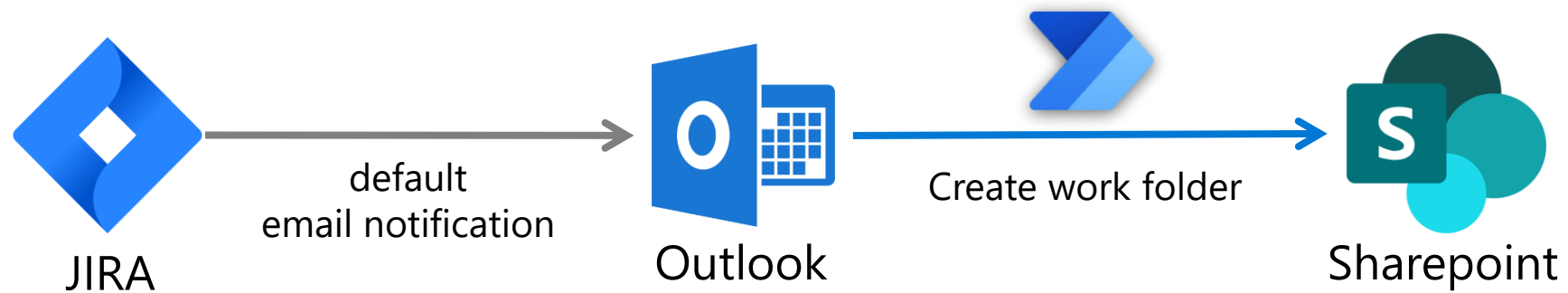
Demo

Power Automate for web



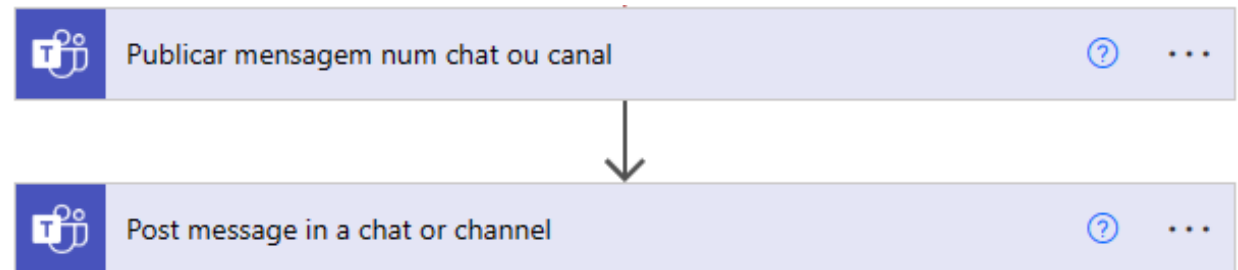
The use case

Create a sharepoint folder for every new JIRA assigned to me.



Recommendations for beginners

- Use Power Automate for automation, other applications for what they do
- When searching on the internet, check the tutorial's date
- Change your language to English
- Search for a relevant template
- Rename your actions
- Try Experimental features



You might need some code!

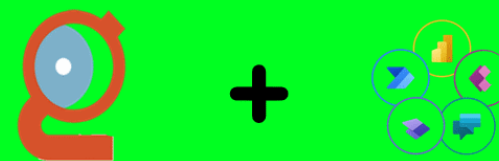
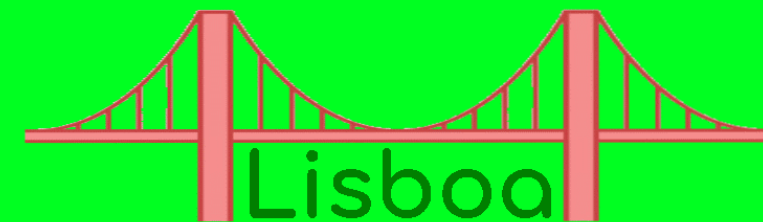
Power Automate functions	<code>addDays(formatDateTime(utcNow(),'d'),-1)</code>
Odata filters	<code>Project eq '@{triggerBody()}'</code>
JSON basics	<pre>{ "Project": "MyProject", "JIRA": "MYP-100", "Assignee": "Happy Developer" }</pre>
Office Script	<pre>function main(workbook: ExcelScript.Workbook) { workbook.getTable("tTimesheet").clearFilters() }</pre>

Questões? Questions?



- It is low-code
- A flow consists of a trigger and some actions
- Most of the actions use a connector
- You will need some code (functions, json...)
- Try Experimental features

Flow documentation and sharing



Documentation

The flow is a diagram!

- Rename your actions
- Use notes

Add a flow description

Think about naming conventions

Sharing the flow

Share

- The same as add an Owner (he can modify it!)

Send a Copy

- The recipient will create his own flow based on yours

Download zip and send

- The recipient will import the zip and create his own flow (legacy)

Add a run-only user

- The user will use your flow. The connector management is needed

Questões? Questions?

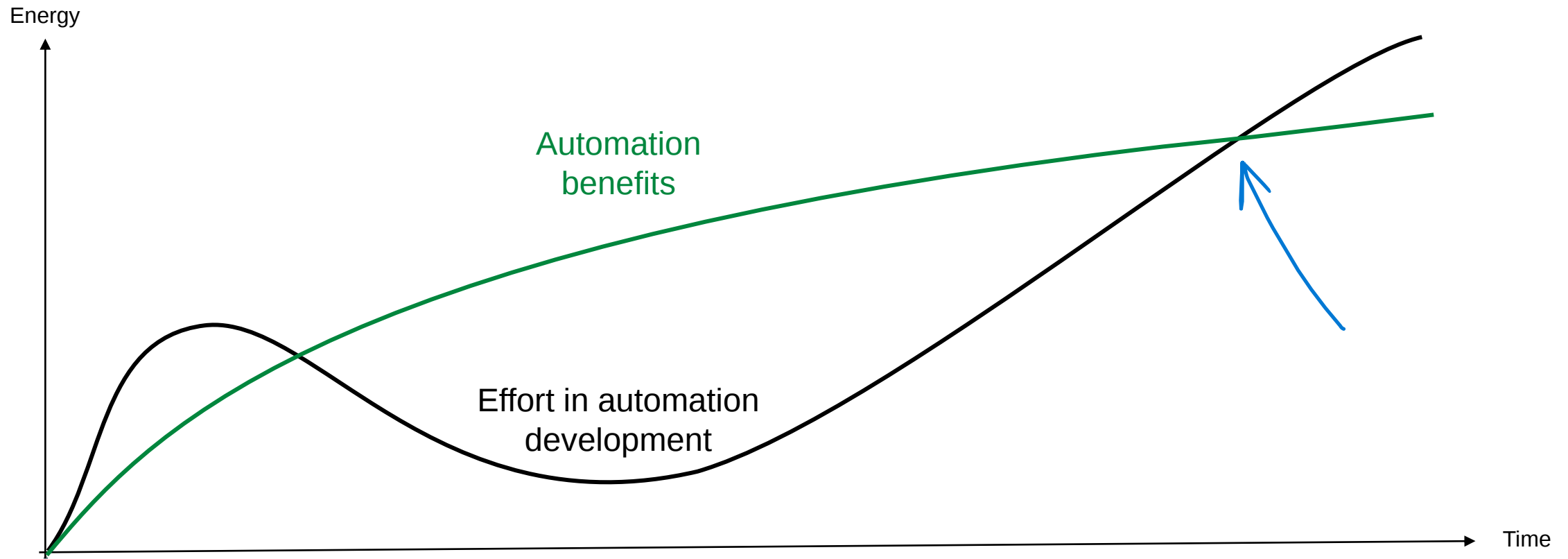


- The flow is a documentation itself, if you name the things right
- You can add owners, run-only users or send a copy of your flow

Will Power Automate
replace us?



Work less, do more



Power Automate...

- will save your time
- is easy to learn
- is available to everyone
- has a wide range of connectors
- is a Low-code solution



Will Power Automate replace us?

Katerina Sarycheva

Obrigada!





Hey, human! Stand by for the next session!