

IT Tools and Monitoring Systems Network

# Welcome and introduction

Interact | 16-17 June 2025 | Lisbon, Portugal

**Interact**



Co-funded by  
the European Union  
Interreg

# What is the one feature you could never have that you wish you had?

## Icebreaker



### 5 min to prepare, then:

- (10 min) Talk with your neighbor and pick one you would prefer.
- Pitch the preferred feature to the group.
- Did anyone else in the group wish for the same feature?
- Does anyone already have the feature in the group?

# Goal of the event



All presentations will be available after the event at Interact website, Library section!

## Europe wide learning and exchange of experts working with Interreg Monitoring systems

- Learn from each other
- Showcase interesting features
- Discussions on solutions

## Target Group

- Programmes developing their own monitoring systems
- Programmes interested to adopt or customise their own monitoring systems
- Service providers of programmes

# Agenda Day 1

**14:00**

Introduction  
and warm-up

**02**

State of play

**03**

Coffee Break

**04**

Timeslot for  
feature  
discussions

**17:00**

End of  
Day 1

**19:00**

**Network dinner!**

# Agenda Day 2

9:30

A.I. Workshop

02

Coffee Break

03

Continuation  
A.I. Workshop

04

Timeslot for  
feature  
discussions

05

Wrap up and  
discussion on  
future topics

16:30

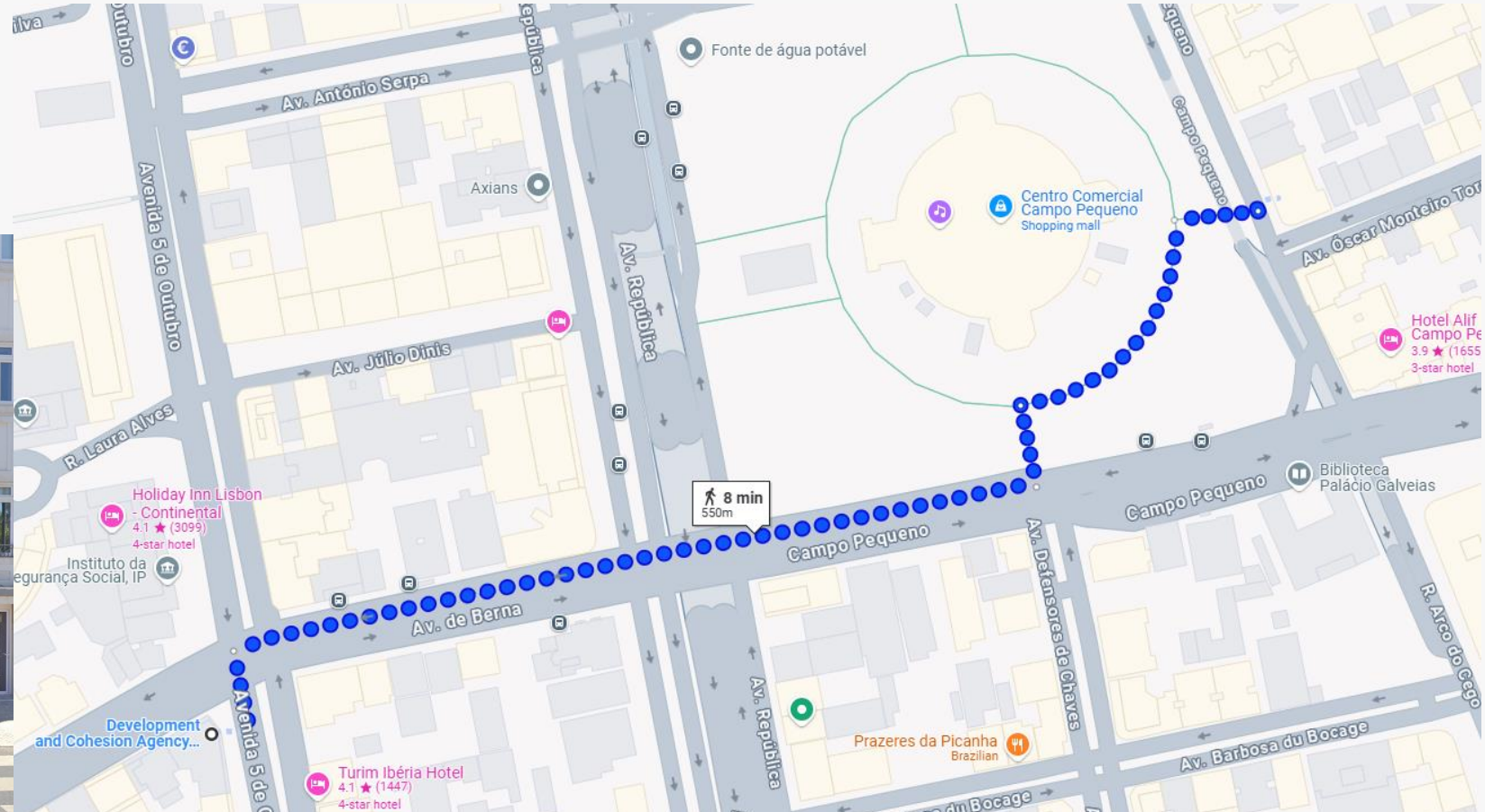
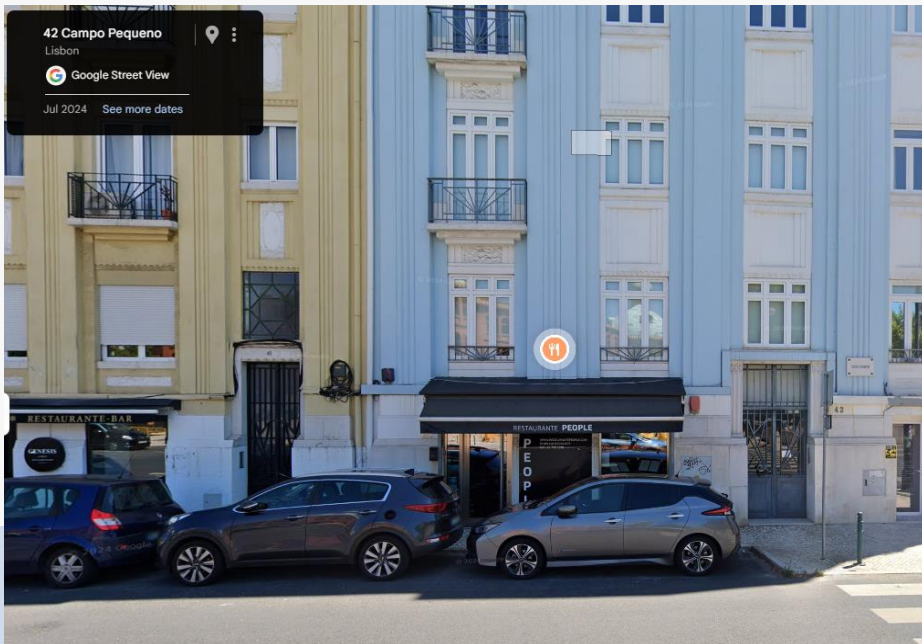
*End of the meeting!*

# Dinner tonight at 7pm

Name: People

Address: Campo Pequeno 42

Phone: +43 664 8162181 (Jose)



# Registration



Programme representation

**19**



Monitoring system representation

**8**

# What is the state of play of your MS?

BAMOS+  
CST2021 (Poland)  
F2  
INTERREG+ (Hungary)  
North Sea oMS  
e-MS 2030 (Espon)  
Portal (Interreg Europe)  
Other systems?  
Jems

Of the development?  
How about system Audit?



# Where is Jems at

**Interact**



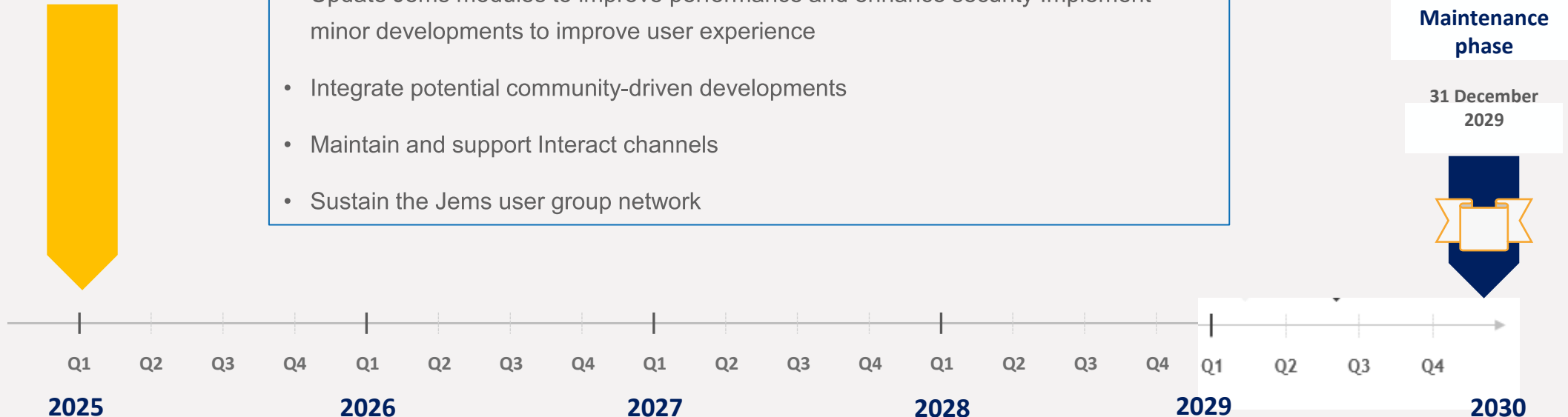
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# Jems

## Maintenance phase (2025-2029)

### Maintenance phase

1 January



# Jems

## Maintenance first release 13.0.2

1. improving the stability of Jems addressing bug fixes.
2. major technical upgrades—specifically, MariaDB v10.11 and MinIO 2025 which enhance both performance and security.
3. Small features:
  - Dashboard filter
  - Improvement in Financial living tables
  - Update of Nace codes in AF to version 2.1
  - Public procurements: Show in what report the procurement was updated
  - 1-click export on 'payments/accounts' section

# Key Accomplishments

**53** Signed License agreements

High adoption: **48** programmes are using Jems as their official programme monitoring system  
Core functionalities are delivered and being actively utilized by programmes

**12** releases

Strong community

**Monitoring systems**

**Mapping exercise**

**Interact**



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Interreg

# General facts

10

## MONITORING SYSTEMS

Representatives completed the survey

70

## programmes

Are using the monitoring systems in the survey

8

## DEVELOPMENT COMPANIES

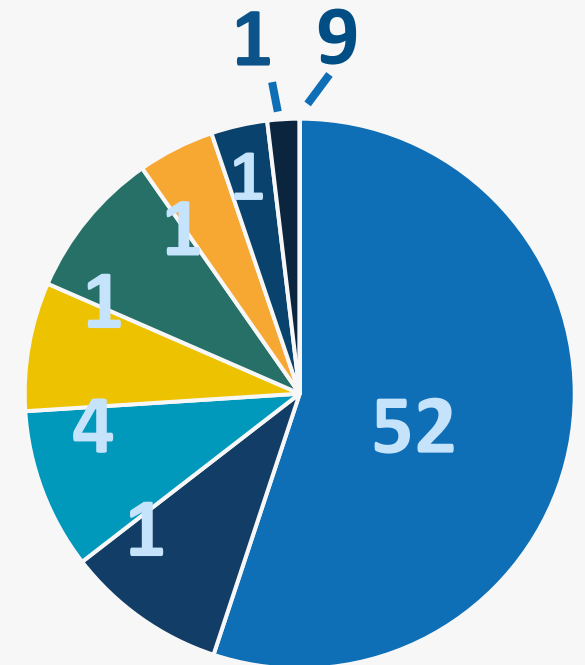
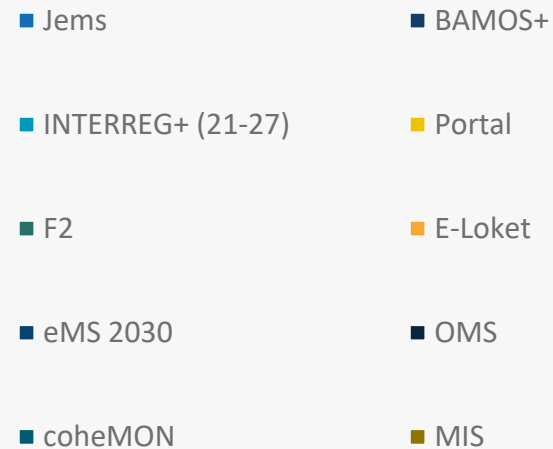
Developed 9 systems

9

## SYSTEMS UNDER DEVELOPMENT till 2024

1 programme already finished their system

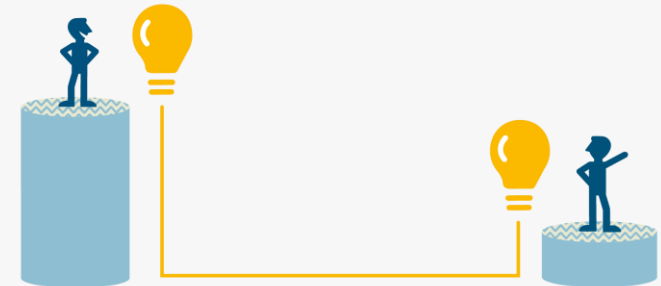
## Budget vs Programmes



# Please sent us an update if you did any developments since last year!

Data is public on our website, you can already access the details here:

[https://docs.google.com/spreadsheets/d/1B1VHGj43ygYZN1Y8cqndnd1Ginat3-UarbZMZEuV\\_YYg/edit#gid=588019361](https://docs.google.com/spreadsheets/d/1B1VHGj43ygYZN1Y8cqndnd1Ginat3-UarbZMZEuV_YYg/edit#gid=588019361)



# Interact portal

<https://portal.interact.eu>

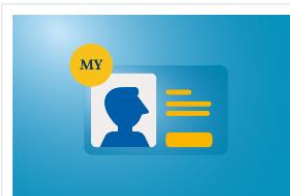


Cooperation can be complex;  
our job is to make it easier.

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the European Union  
Interreg

Portal | My Events | My Communities | Alexandra Kulmer ▾

## My subscriptions with Interact



Review my profile



My Communities (Teams and SharePoint)



My event registrations

## All Interact services



Interact website



All Communities (Teams and SharePoint)



See all Interact events



Interact Academy



Jems Portal

Interreg tools, managed by Interact



# Teams and channels

The screenshot displays the Microsoft Teams interface. On the left sidebar, the 'Chat' section is active, showing a list of channels under 'Teams and channels'. The 'Announcements and updates' channel is selected. The main area shows a post by Jose Almeida | Interact, dated 26/03 16:56. The post title is 'Welcome to thematic network on Jems'. The content of the post reads: 'This 'Announcements and updates' channel is created for us to keep each other up to date and to exchange with each other. Please react to this message to show you made it this far – and if you have any questions or comments, feel free to share them here!'. A note follows: 'Note: If you are indeed a user of Jems, please join 'Jems User group' community - Find it on: <https://portal.interact.eu>'. Below the post, there is a 'Reply' button. At the bottom of the main area, there is a 'Start a post' button.

**Chat** ... 🔍 📄 ▼

Unread **Channels** Chats Meeting chats

🔍 Discover  
@ Mentions

Teams and channels

- € Controllers network
- Jems Network
- 📅 **Work Plan and Delivery**
- la **Interact Programme**
- Fin **Financial management network**
- 📊 **Microsoft 365 Adoption**
- TI Test environment for Interact
- Ad **Auditors network**
- IP Inter Programme collaboration
- Announcements and updates
- HIT Core group 🗄
- [See all channels](#)
- [See all your teams](#)

**Announcements and updates** Posts Files Notes Go to the SharePoint ... + 🔍 🗄

**JA** Jose Almeida | Interact 26/03 16:56

**Welcome to thematic network on Jems**

This 'Announcements and updates' channel is created for us to keep each other up to date and to exchange with each other. Please react to this message to show you made it this far – and if you have any questions or comments, feel free to share them here!

Note: If you are indeed a user of Jems, please join 'Jems User group' community - Find it on: <https://portal.interact.eu>

🗄

**Reply**

**DV** Di Vincenzo Valentina (Guest) 02/04 11:35

**Integration with Teams app already existing**

Dear Jose,

thank you for sharing the great improvement made with this new tool!

I actually have a question: I currently already use Teams with 2 accounts (one is the same I used to register here), it is quite easy to switch one to the other on the same app; would it be possible to integrate also this account to the same app? If yes, how?

**Start a post**

# SharePoint



SharePoint



Jems Network

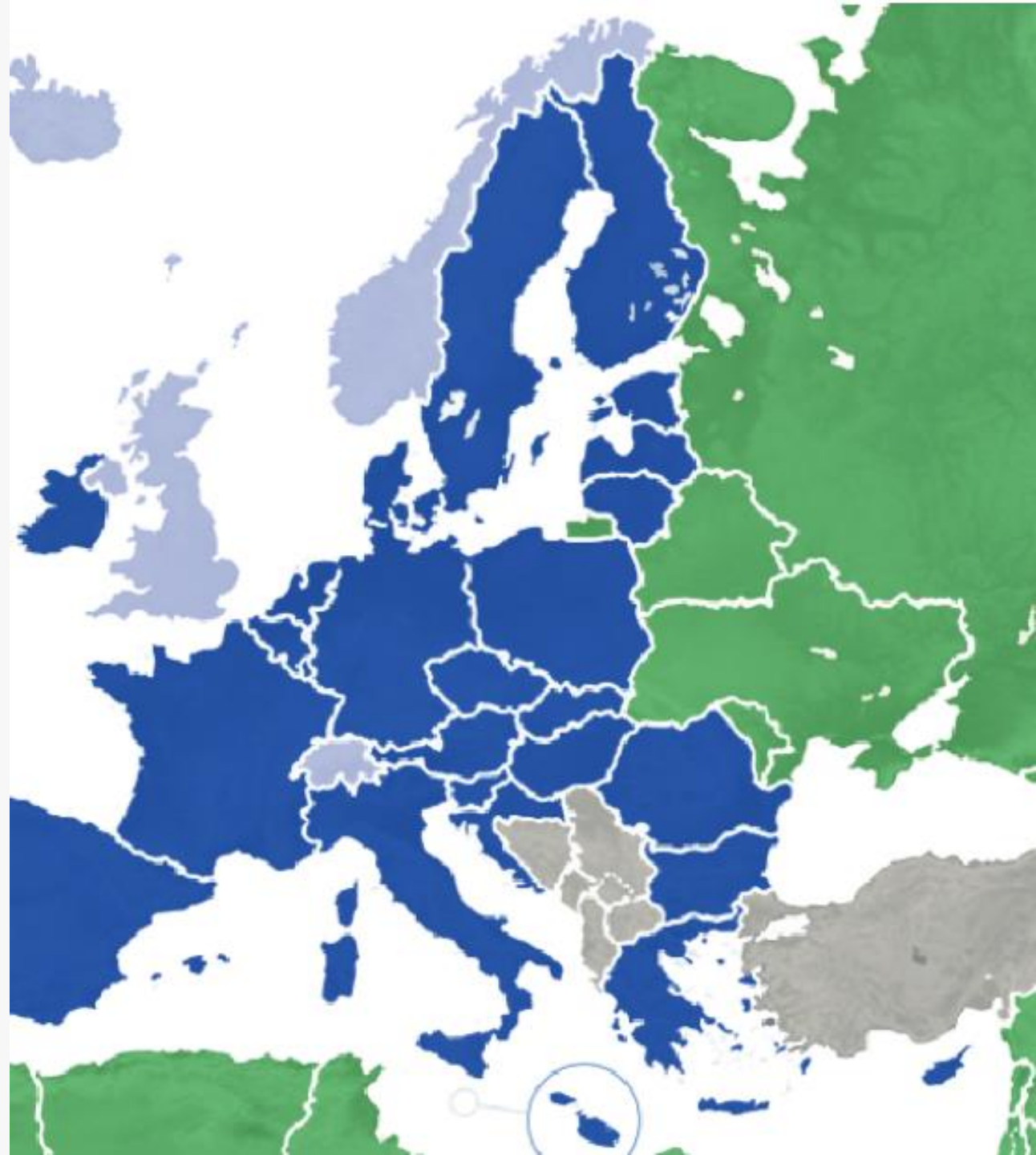
[Go to the Team](#)[Home](#)[Documents](#)[Notebook](#)[Recycle bin](#)[Edit](#)[+ New](#)[Upload](#)[Edit in grid view](#)[Sync](#)[Add shortcut to OneDrive](#)[Pin to Quick access](#)[Export to Excel](#)[Automate](#)[Integrate](#)

Documents

[In channels](#)[In site library](#)

	Name	Modified	Modified By	+ Add column
	Announcements and updates	March 21	SharePoint App	
	eMS User Group	March 21	SharePoint App	

# Break 30min



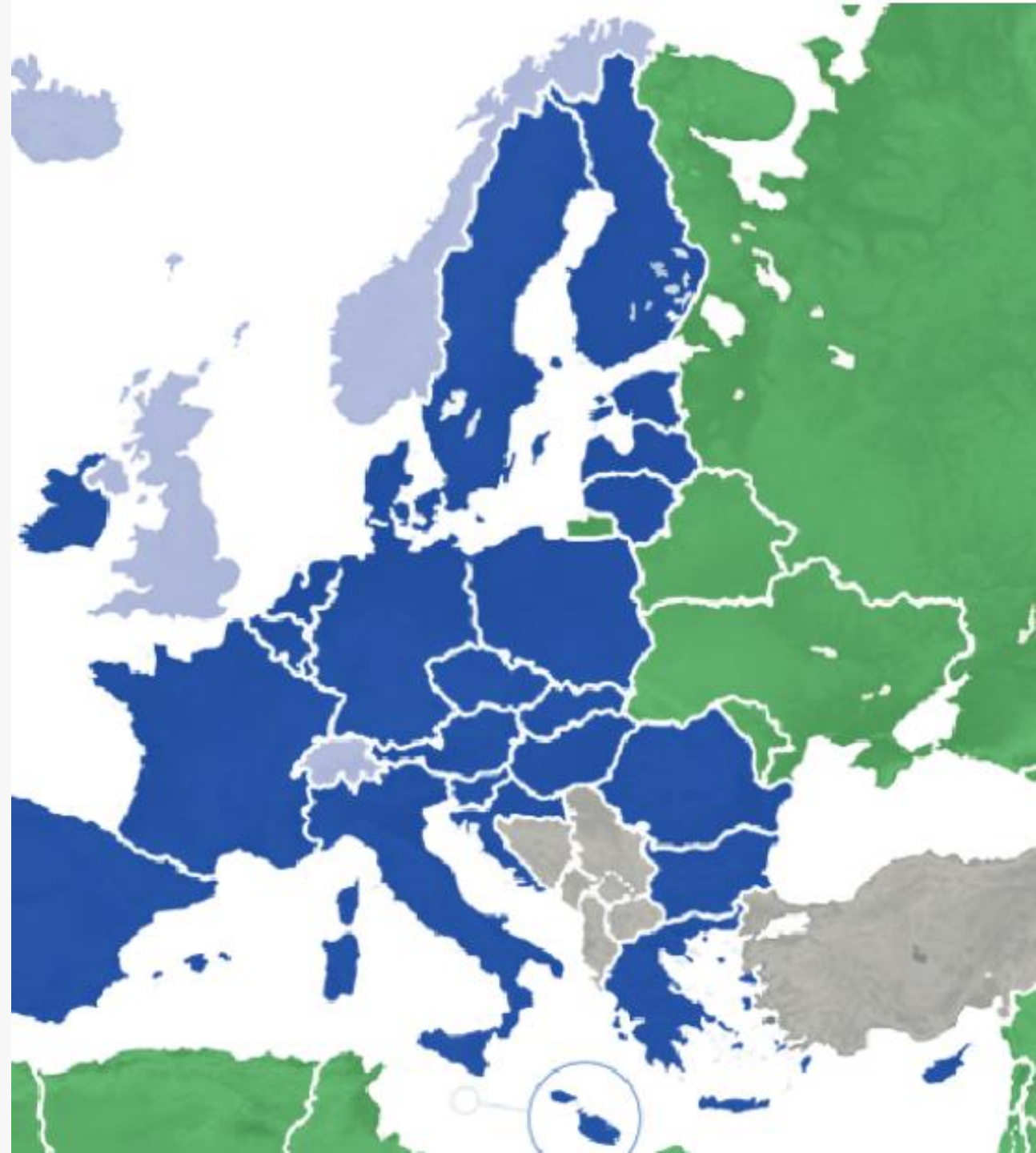


# Day 1 feature presentations and discussions

- **Interreg Germany-Denmark,**  
the monitoring system F2
- **Central Europe,**  
Developments done on top of Jems Arachne Export,  
"workflow tool" and data export



# End of Day 1



**Good  
morning**



# **A.I. Workshop: AI for Interreg and Monitoring Systems**

**Interact**



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Interreg

# AI trends

- AI is around for many years, impacting project work
- Public release of OpenAI's ChatGPT in 2022 has accelerated the impact of AI on the profession
- AI is getting more accessible



# Benefits of AI in public funds management

- Reduced administrative burden
- Increased efficiency and accuracy
- Automated risk detection and fraud prevention
- More accurate forecasts and financial planning
- Better services and support for beneficiaries

# Known AI concerns

## Environmental



## Legal & Ethical



## Reliability



# Environmental impact of AI

- Creating ChatGPT3:  
552 metric tons of CO<sub>2</sub> emissions
- 1 ChatGPT prompt uses the energy for  
10 Google searches
- Data centres use A LOT of energy to  
power and water to cool them



AI generated illustration by Jbooba, Pixabay, CC

# Legal and Ethical considerations

- AI Act: Introduces a risk-based regulatory framework.
- GDPR: Data protection, transparency, consent obligations.
- Ethical Use: Human oversight, fairness, accountability.
- Compliance rules: No sensitive data in public AI tools.
- Property rights: No copyright for AI generated content.

# The EU AI Act: What You Need to Know (1/2)

- Applies to providers, deployers, and users of AI systems
- Classifies AI by risk: unacceptable, high, limited, minimal
- High-risk includes finance-related public sector AI (e.g., fraud detection, scoring tools for evaluating the creditworthiness of natural persons )

# The EU AI Act: What You Need to Know (2/2)

High-risk AI must meet strict requirements:

- Data governance and record keeping
- Human oversight ('human in the loop')
- Transparency and traceability
- Robustness, accuracy, and cybersecurity

# Reliability and financial considerations

- Bias, hallucination, and accuracy risks due to poor data quality or representativeness
- Lack of explainability in AI logic (non-transparent algorithms)
- Risk of over-reliance on automation, insufficient human oversight
- Cybersecurity vulnerabilities
- Cost of AI infrastructure (development and operation)

# What we do on AI in Interact





# Certified training: Generative AI for Interreg communication

- Hands on demonstration
- Prompt ideas, tips and tricks
- Assignment

## Large Language Models:

Overview of LLMs and  
Interreg specific use of  
LLMs

## Audiovisual Models:

Overview of text to  
image, text to video,  
sound tools

## AI in Interreg communication

Examples of use of AI  
for daily communication  
work

# Events and workshops

## InterFIN 2025

Beyond Excel: How new tools are transforming Financial Management – Using LLMs in Interreg Financial Management, Stock-taking and SWOT analysis

## Thematic events

AI sessions in thematic events: Communication, Calls for Proposals, Thematic analysis for cooperation actions, ...

## IKF 2024

Artificial Intelligence: Genuine Impact – Introduction to Generative AI tools, AI for writing, research and storytelling, AI in Interreg programme management

# SWOT analysis (InterFIN)

## Strengths

(analysing)  
Time saving, automatization of processes  
legislation/instructions Quest for justification  
instruction Time efficiency tool Quick AI efficiency  
learning Gain time **Efficiency** Speed  
Save human time Fast Time savings Reducing risks  
Broader perspective More free time  
AI is a fast tool documents  
More sources of information covered by checks

## Weaknesses

Need to double check the provided data/source used by AI  
**Privacy issues**  
New risks on irregularities Reliability Inaccurate information  
Mistakes Trust issues Trust level Internet connection  
Not complete answers Quality of search Ecological concerns  
Data protection  
Energy consuming  
**Trust**  
**Possible errors**

## Opportunities

A new tool to be used, reducing time  
Efficiency  
Automatisation Less mistakes  
Saving jobs less staff needed  
**More free time**  
New perspectives  
Human work focused on nicer tasks

## Threats

Centralised management of programmes  
Legal certainty... Possible Fraud Trigger in person verification  
Private data protection  
**Data protection**  
Security, ethical, legal risks  
ethical questions Hackers  
Commission own conclusions

# Strategies for adopting AI in Interreg



# Different levels of AI adoption

## Automation

Automate tasks that are low complexity and require little human intervention in their final output

## Assistance

Complement human work in iteratively building an output, while refinement, testing and complementary analysis are done by humans

## Augmentation

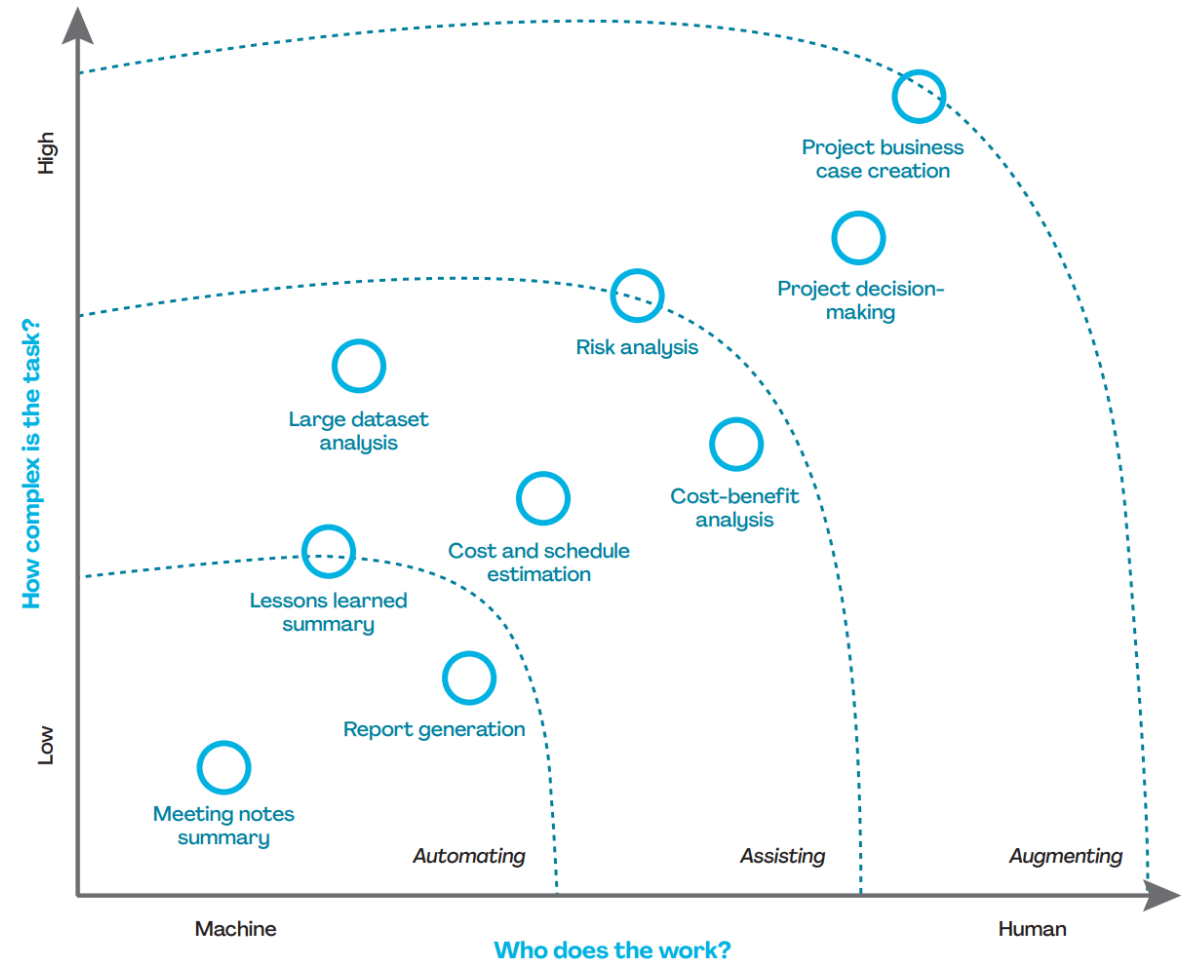
Enhance human capabilities and develop new capabilities to perform more complex and strategic tasks with many interdependencies and variables

# Strategies for adopting Generative AI

## Evaluating tasks under two main dimensions:

- Level of complexity of the task
- Level of human intervention needed

*“The more complex the task, the more human intervention is needed to result in high-quality outcomes.” (PMI)*



# Let's see Examples from funding programmes



# Example: Portugal


## A.I. Funds Platform

- Internal platform to create custom AI chatbots.
- Bots trained on real programme data and guidance.
- Takes under 15 minutes to configure using internal documents.
- Used by Managing Authorities and Intermediate Bodies.
- Privacy respected – no use of public data models



**Improves response times and supports digital skills**





Home

Knowledge Base

Models

Personas

Settings

© 2025 AD&Coesão  
v0.0.0

ADD KNOWLEDGE BASE


Knowledge Bases

List of all registered Knowledge Bases.

Name	Active	State	
SharePoint AD&C - Pocs	Active	Indexed	...
AD&C - Relatório desenvolvimento e Coesão - ppt	Active	Indexed	...
AD&C - Avisos e Operacoes - pdf	Active	Indexed	...
AD&C - Informação geral - word	Active	Indexed	...
AD&C - Avisos -Export Portugal 2030 - xls	Active	Indexed	...
AD&C - Avisos json parte do ficheiro - txt	Active	Indexed	...
AD&C - Flow - Tarefas - parte - csv	Active	Indexed	...
O que é o Portugal 2030	Active	Indexed	...
Sharepoint -GenAi_NoPrd_Kb_Files - AD&C	Active	Indexed	...



Olá, sou o Ivo.  
Posso ajudar?

ChatGPT (beta) 



Olá, sou o Ivo.  
Posso ajudar?

Escreva uma nova pergunta

# Example: Lombardy Region

## A.I. support as evaluators in project assessments

- Human reviewers remain central but the A.I. tool becomes a support evaluator.
- AI reduces time and increases standardisation.
- AI can extract data and structure it so that project relevant information is easier digestable.
- Pilot showed promising accuracy

# Example: CATE

## Continuous Auditing based on Technological Evolution

- an AI-based solution for Management verifications and Audit
- co-owned by the Flemish Audit Authority and Deloitte Belgium
- for Interreg Flanders-Netherlands Programme

# CATE – product ownership

**Flemish Audit Authority and Deloitte Belgium co-own the product.**



**Tony Mortier**

Inspector – General of Finance  
Flemish Audit Authority  
tony.mortier@vlaanderen.be  
+32475/25.31.37



**Jan Van Looveren**

Partner & Industry Leader Government  
and Public Services  
Deloitte Belgium  
jvanlooveren@deloitte.com  
+32478/63.79.29

- Combining audit and grant expertise & technical/technological expertise
- Managing authority participates as implementation partner

# CATE – a cloud based application

## Cate App

- cloud-based
- modular in nature
- API connection with monitoring system

# CATE – modules

## *CHECK*

- Cost item level controls:
  - Invoice data match (ID, date, amount, supplier...)
  - Cost category...
- Population level controls:
  - Public procurement
  - Double financing
  - Fraud
- Every control is either automated or supports the human controller

## *RISK*

- Risk aggregation
  - Assess risk for cost items
  - Provides risk score for each cost item

## *ASSURE*

- Provides the required assurance
- Smart sampling to reach max of 2% errors with 95% confidence (configurable to your requirements)

**Control Tower: Internal reporting**

**Automatic external reporting**

## CATE – benefits

### **Fully integrated tool to support control and/or audit by:**

- automating routine tasks to reduce costs and time between declaration and payment
- judgements based on identified patterns and relevant information
- increasing transparency through a consistent approach and unbiased information extraction
- reducing risks through full population verification



# CATE – timeline

## **Proof of concept:**

- Developed by Deloitte in 2022 & assessed positively in beginning of 2023

## **Development phase:**

- Development of risk model based on machine learning techniques, supplemented with data collection and structured information

## **Application of the software:**

- Release of productive software planned for June 2025
- Test phase for performing control tasks in Interreg Flanders-Netherlands
- Role out to other Interreg Programmes is possible

# Conclusions

- AI can simplify and secure financial workflows
- Legal frameworks are evolving – compliance is possible
- Examples show practical benefits already realised in EU funds

**Let's explore opportunities and share insights!**

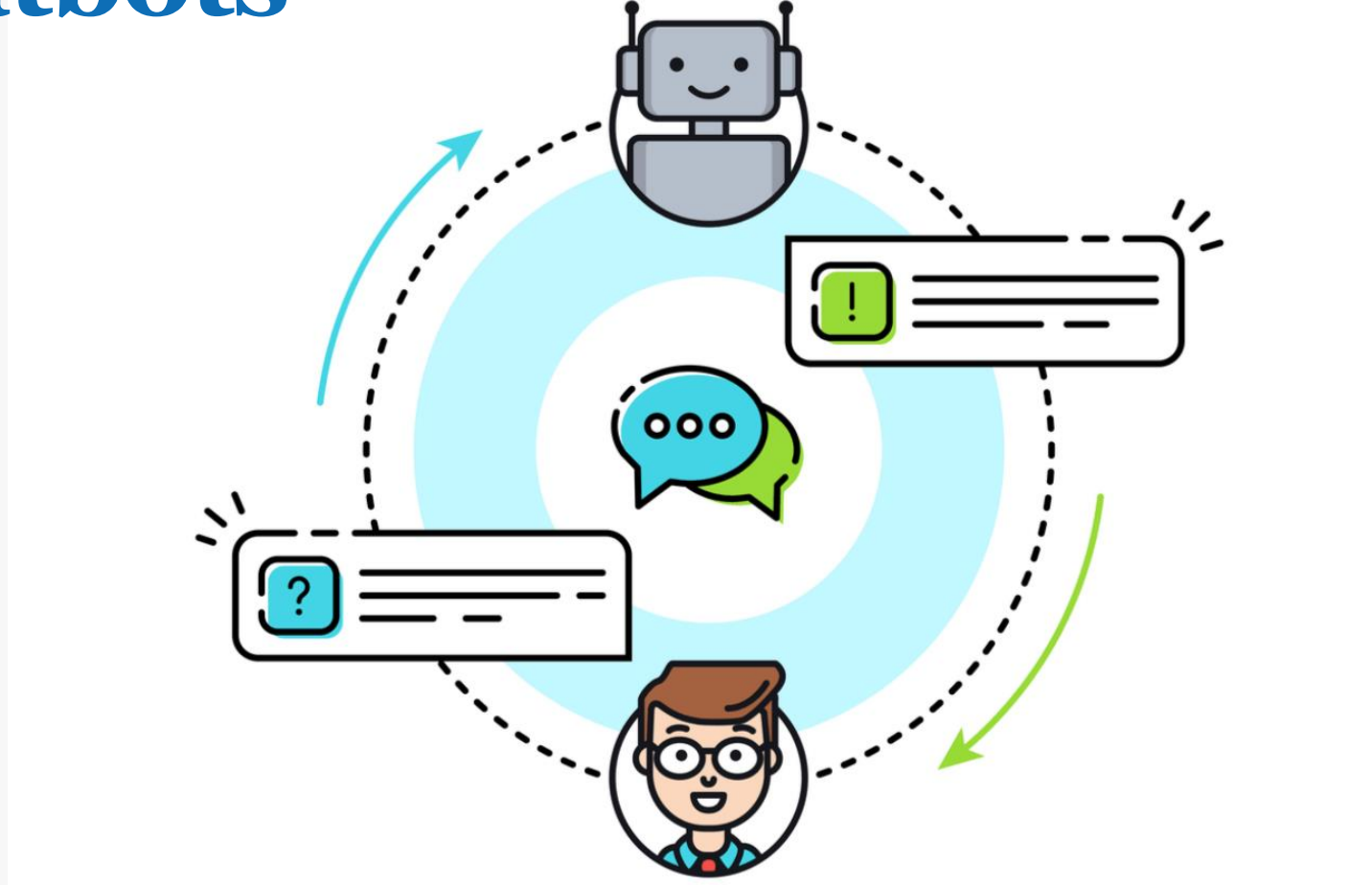
# How Interreg Programmes are using AI (InterFIN)

- Translations
- Preparing Meeting notes
- Harmonising Assessment results
- Summarizing Documents

# How Interreg Programmes want to use AI in the future (InterFIN)

- Support to applicants (Chatbots,...)
- Detecting content prepared by/modified by AI
- Checks on AFs (eligibility, plausibility of content, costs...) and Verification of documents (signatures,...)
- Data interpretation (from big exports,..) and Programme monitoring (dashboards with results, spending,...)
- Programming and development of programme documents

# AI Chatbots



# Website Applicants

Am I eligible to apply for funding?

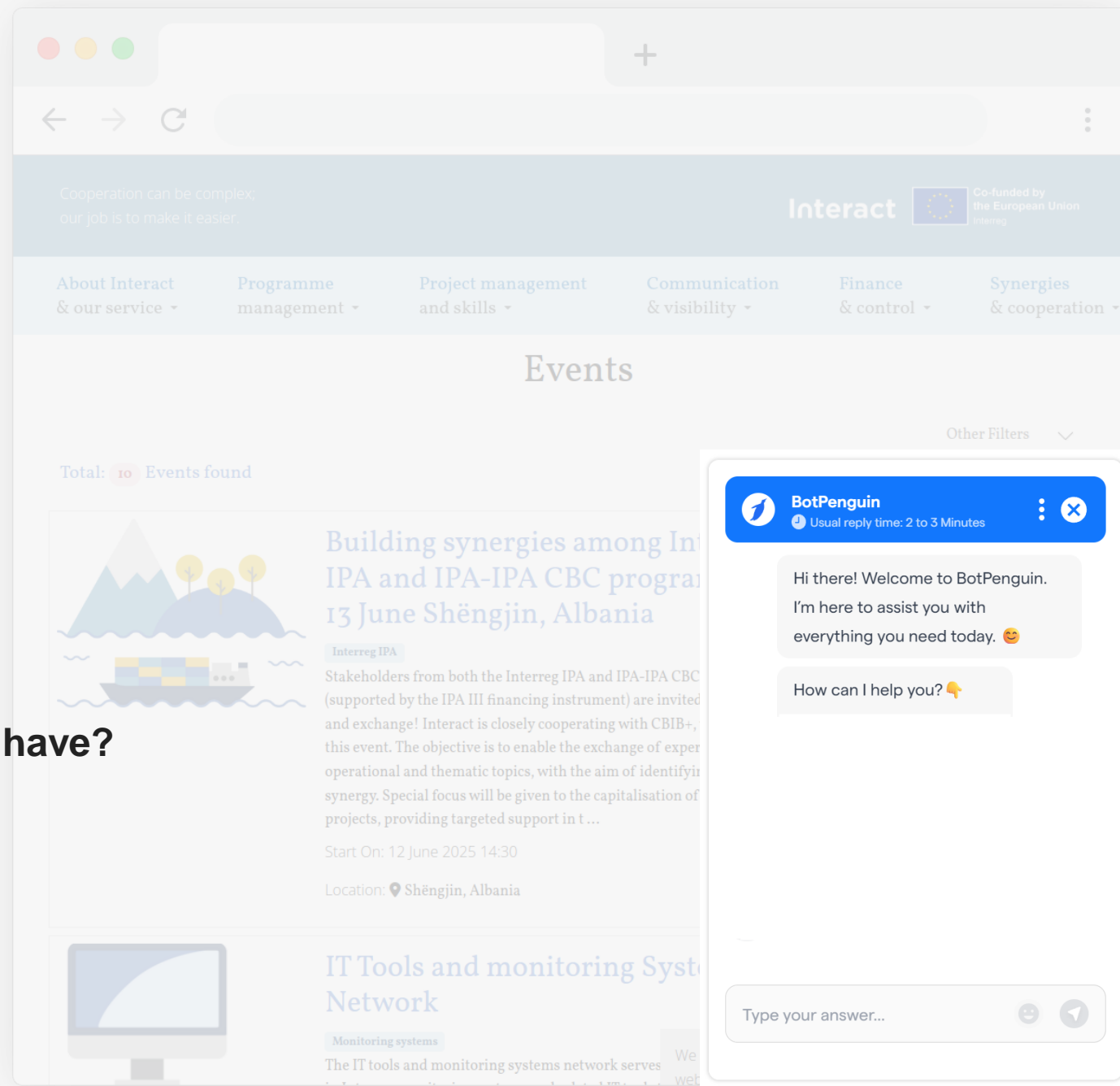
When is the next call for proposals?

How do I apply?

Where can I find the application documents?

Can you help me find a partner?

What funding priorities does the programme have?



# Website

## Existing beneficiaries

**How do I report on my project?**

Guidance on reporting, links to manual..

**Who do I contact for my financial question?**

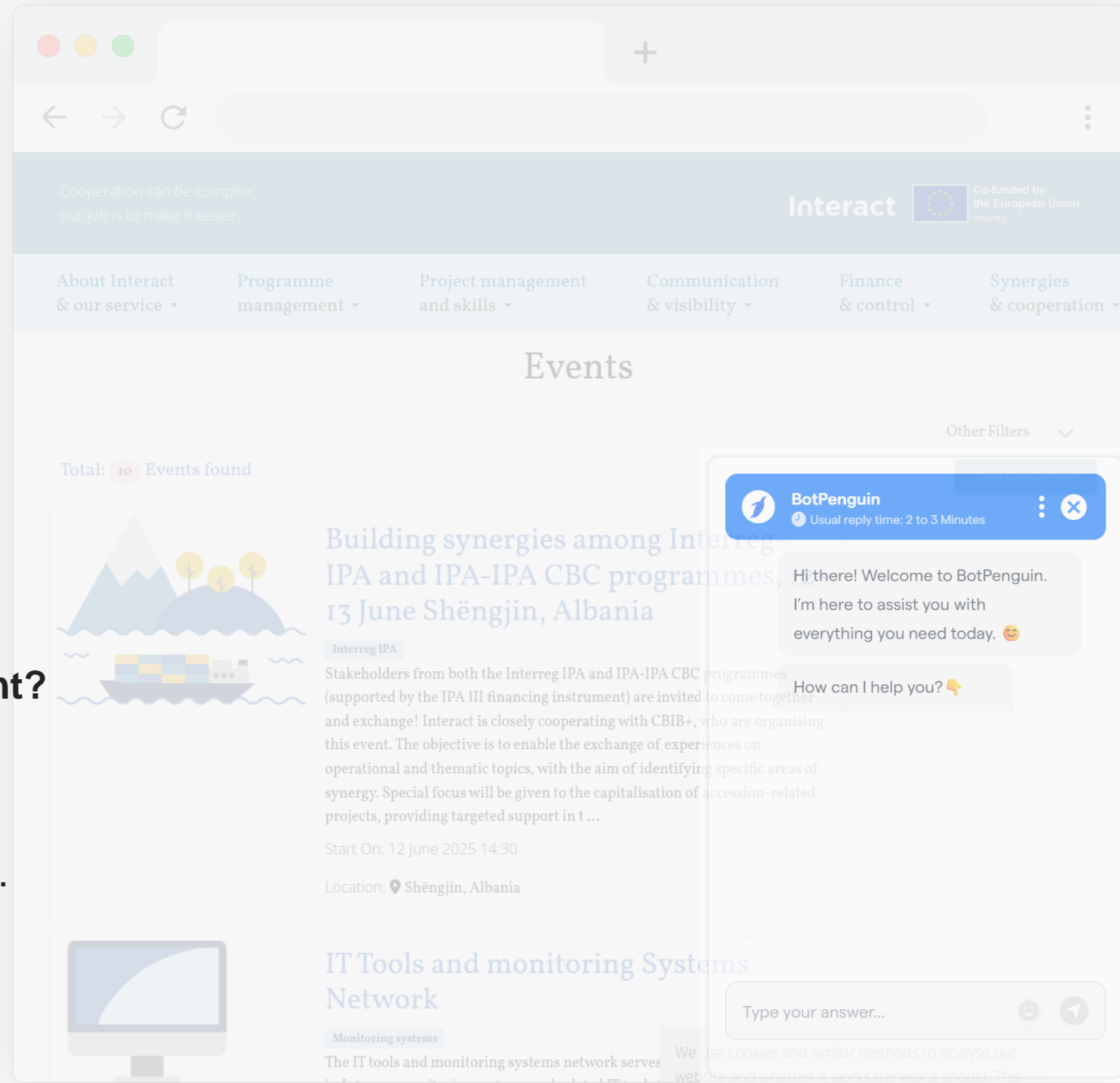
Promote direct contact..

**What are the financial rules for reimbursement?**

Brief explanations or links to manual..

**How do I modify my project?**

Procedures for changes, extension requests, etc.



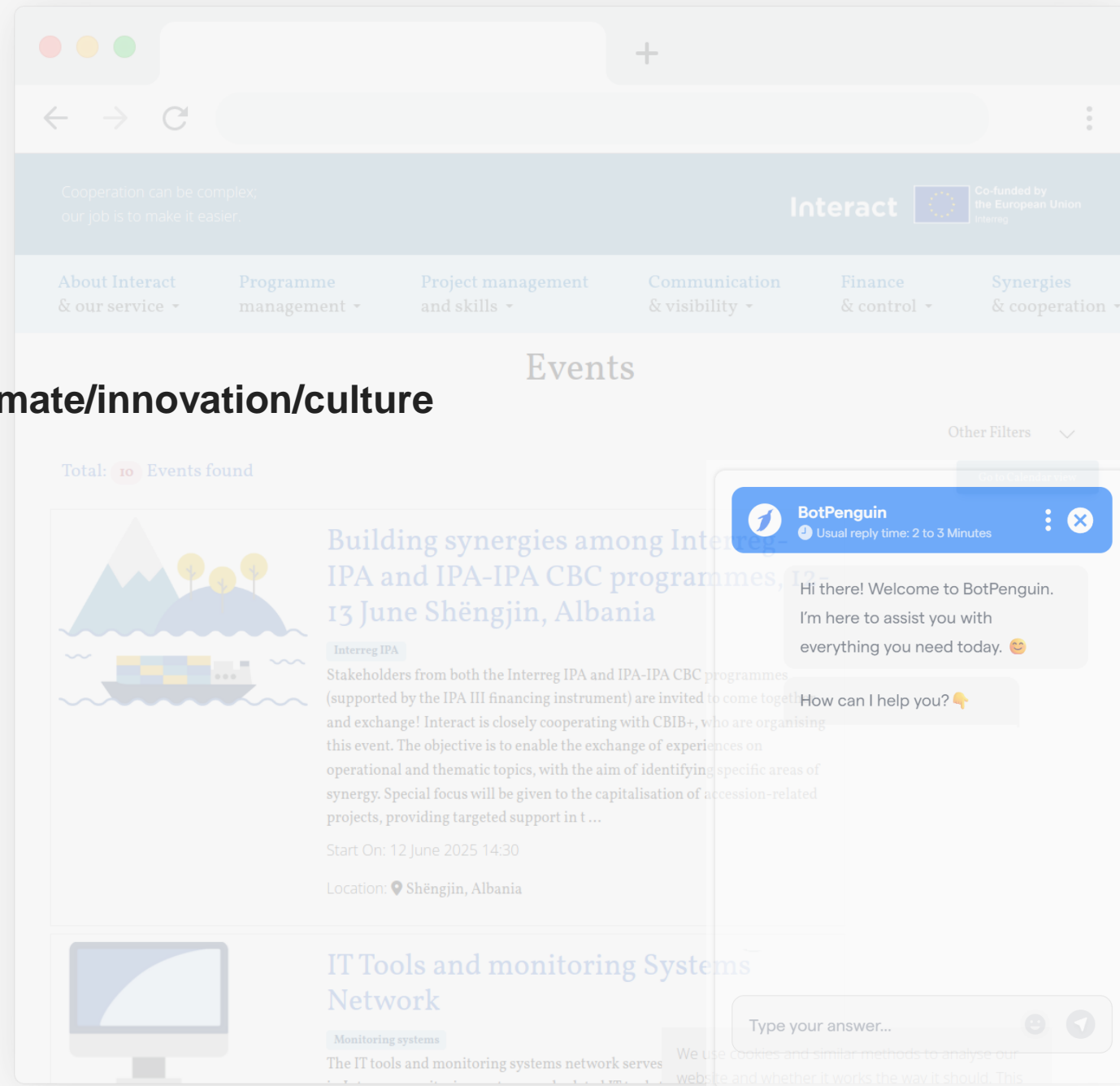
# Website Media and others...

**Show me top 5 funded projects related to climate/innovation/culture**  
Search/filter assistance.

**Where can I see project results?**  
Redirect to a project database or impact report.

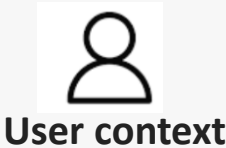
**How is the programme funded?**  
Explanation of ERDF/Interreg funding structure.

...





# Monitoring System



**Why my partner cannot access my project?**

Check privileges and guide user for the solution..

**Where do I upload my deliverables?**

Help locate correct upload sections...

**What's the deadline for my next report?**

Provide customized answer or timeline based on project ID.

**How can I request a project modification?**

Explain the process, provide templates, and redirect to relevant sections..

Interreg

Co-funded by the European Union

Dashboard

Applications

Calls

Programme

Controls

Payments

System

English

INT4300093	TEST after Finalise NOTIF	PR.73	Re...	110.0	Period 1, month 1 - 6	Finance	12/18/2024 11:27 AM	12/18/2024 11:28 AM	152.976,30
INT4300093	TEST after Finalise NOTIF	PR.72	Re...	110.0	Period 1, month 1 - 6	Finance	12/02/2024 10:18 AM	12/04/2024 2:18 PM	150.441,64 12/14/2024 1:30 PM
INT4300093	TEST after Finalise NOTIF	PR.71	Ve...	110.0	Period 1, month 1 - 6	Content	11/29/2024 2:37 PM	12/02/2024 10:18 AM	0,00 12/06/2024 4:58 PM
INT4300093	TEST after Finalise NOTIF	PR.70	Su...	110.0	Period 1, month 1 - 6	Content	11/29/2024 10:13 AM	11/29/2024 2:36 PM	0,00
INT4300093	TEST after Finalise NOTIF	PR.67	Re...	102.0	Period 1, month 1 - 6	Both	09/12/2024 2:22 PM	09/12/2024 2:22 PM	
INT4300093	TEST after Finalise NOTIF	PR.65	Ve...	101.0	Period 1, month 1 - 6	Both	09/03/2024 8:17 AM	09/06/2024 10:46 AM	

My partner reports

My applications

Call list

Apply here!

BotPenguin

Usual reply time: 2 to 3 Minutes

Hi there! Welcome to BotPenguin.

I'm here to assist you with everything you need today. 🐧

How can I help you? 🗨️

Type your answer...

# Monitoring System

## Content analysis (input field)

- Application Form
- Partner report
- Project report
- ...



User context



User input

### C.2 Project relevance and context

#### C.2.1 What are the common territorial challenge(s) that will be tackled by the project?

Please describe why your project is needed in the programme area and the relevance of your project for the programme area, in terms of common challenges and opportunities addressed.

Enter text here

The European languages are members of the same family. Their separate existence is a myth. For science, music, sport, etc, Europe uses the same vocabulary. The languages only differ in their grammar, their pronunciation and their most common words. Everyone realizes why a new common language would be desirable: one could refuse to pay expensive translators. To achieve this, it would be necessary to have uniform grammar, pronunciation and more common words. If several languages coalesce, the grammar of the resulting language is more simple and regular than that of the

DE BG EN

Save changes

#### C.2.2 How does the project tackle identified common challenges and/or opportunities and what is new about the approach the project takes?

Please describe new solutions that will be developed during the project and/or existing solutions that will be adopted and implemented during the project lifetime. Describe also in what way the approach goes beyond existing practice in the sector/programme area/participating countries.

Enter text here

The European languages are members of the same family. Their separate existence is a myth. For science, music, sport, etc, Europe uses the same vocabulary. The languages only differ in their grammar, their pronunciation and their most common words. Everyone realizes why a new common language would be desirable: one could refuse to pay expensive translators. To achieve this, it would be necessary to have uniform grammar, pronunciation and more common words. If several languages coalesce, the grammar of the resulting language is more simple and regular than that of the

DE BG EN

Save changes

**BotPenguin**  
⚙️ Usual reply time: 2 to 3 Minutes

**C.2.1. Contain typos. The content too ambiguous regarding the relevance ....**

Type your answer...

# Monitoring System

## Content analysis (Submission)

- Application Form
  - Rejection based on smart overview analysis
- Partner report
- Project report
- ...



Run pre-submission check

Submit project application

*i* To submit this application, all conditions of the pre-submission must be met.

*!* A - Project identification
 

5 Issue(s) ^

*!* Project title is missing
 *!* Project duration is missing
 *!* Programme priority is missing
 *!* Summary in EN is missing
 *!* Summary in language other than EN is missing

*!* B - Project partners
 

*!* At least 1 partner should be active
 *!* Exactly 1 Lead partner should be active
 *!* Project budget should be greater than 0

*!* BotPenguin
 

Usual reply time: 2 to 3 Minutes
 ...
 x

C.2.1. Contain typos. The content too ambiguous regarding the relevance ....

Type your answer...
 ...
 ↩

# Monitoring System



User context




User input

## Data exports

- Highly customizable exports
- AI understands data representation

Plugin Name	Filename	Export language	Input language	Plugin parameter	Request time	Exportation time
Standard programme project repo...	Project_reports_20250604_143545.xlsx	EN	EN		06/04/2025 2:35:45 PM	00:00:05
Standard programme partner repo...	Partner_report_20250604_143313.xlsx	EN	EN		06/04/2025 2:33:13 PM	00:00:24
Standard programme loe data exp...	LoE_20250604_143048.xlsx	EN	EN		06/04/2025 2:30:48 PM	00:00:10
SFC transmission of data table 2 ex...	Table2_20250524_135636.xlsx	EN	EN			
Standard programme project data ...	Project_20250522_093232.xlsx	EN	EN			
Standard programme partner data...	Partner_20250508_121553.xlsx	EN	EN			
Standard programme procuremen...	Procurements_20250314_112729.xlsx	EN	EN			
Standard programme project repo...	Indicators_20250310_131124.xlsx	EN	EN			
keep.eu programme data export x...	INTERREG VI-C Utopia Space _project_en_en_20...	EN	EN			
keep.eu programme data export js...	INTERREG VI-C Utopia Space _project_en_en_20...	EN	EN			
standard-programme-partner-exte...		EN	EN	call_id:2		

 BotPenguin

Usual reply time: 2 to 3 Minutes

Hi there! Welcome to BotPenguin.  
I'm here to assist you with everything you need today. 😊

How can I help you? 🗨️

Type your answer...

# Monitoring System



User context



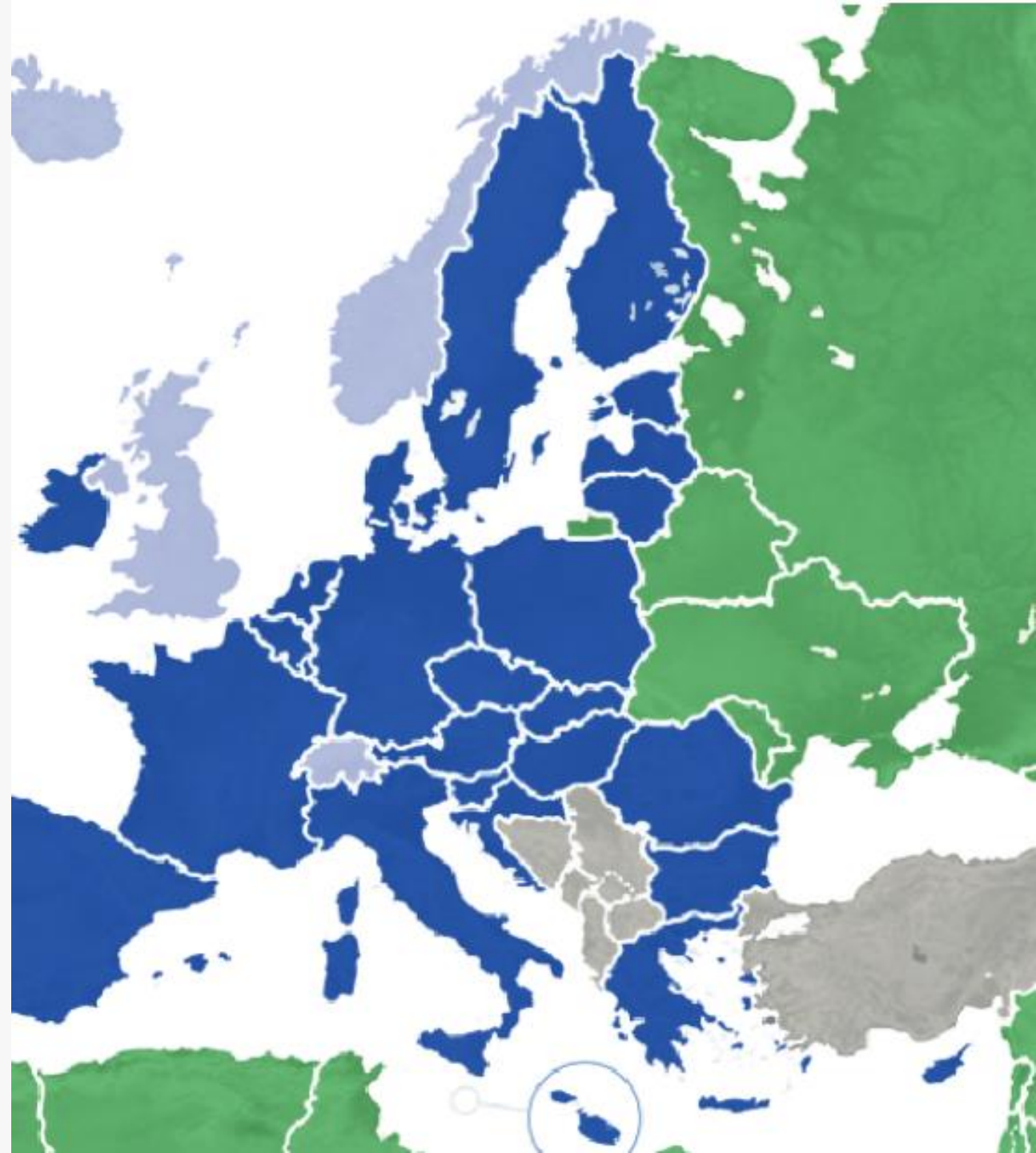
User input

## Programme smart dashboard

- Predictive analytics
- Forecast programme-level achievements vs targets
- Alert system
- Detect projects at risk (e.g., delays, underspending).
- Thematic insights
- AI-generated summaries of results per priority axis.
- Comparative analysis
- Benchmark progress across regions or calls.



# Break 30min



# A.I. Interactive

Interact

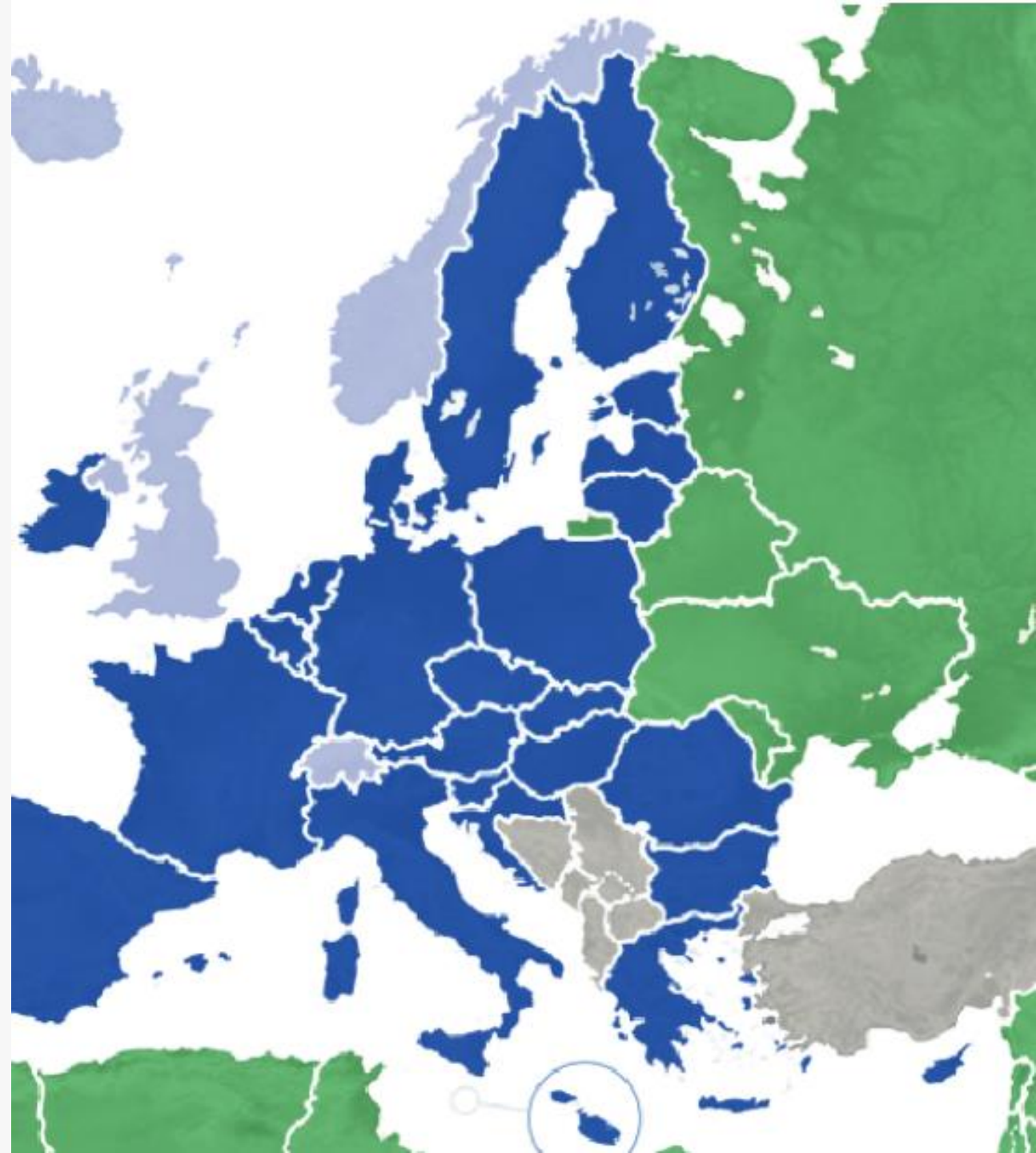


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# Lunch

12:30 - 14:00







# Day 2 feature presentations and discussions

- **North-West Europe,**  
Developments on top of Jems e.g, a memo, gathering information more up to date beyond reporting and a brief overview of future developments.
- **INTERREG+,**  
submission of project modification requests on the Front Office surface of the system.
- **Interreg Europe,**  
Recent developments in the MS



# Wrap up and discussion

What is the key thing you are taking home from the last 2 days!

Is there anyone who would like to host the next network event?



# Thank you for being here!

Your opinion matters to us.

Please take a few minutes to provide us with feedback to help us improve our services.



# Cooperation works

All materials will be available on:  
[Interact library](#)