



UNLOCKING AI IN RESEARCH: MUST-KNOW TOOLS TO SUPERCHARGE YOUR WORK



Practical AI Skills for Research Excellence and Impact

LEAD EXPERT

Luka Kemoklidze

PhD in Innovation Management

Luka Kemoklidze is Deputy Head of the Horizon Europe National Office and seasoned national contact point (NCP) of the programme. He holds a PhD in Innovation Management from Georgian Technical University, where his research focused on the interaction between humans and AI in professional settings.

Luka has extensive experience managing and writing proposals for EU and international programs such as Horizon Europe, Erasmus+, and Interreg. He works closely with researchers and institutions to improve how research is planned, managed, and presented.

In recent years, he has been applying AI tools to simplify research workflows, improve project writing, and support more efficient research management. Luka regularly runs trainings on research proposal development, funding strategies, and the practical use of AI in academic work. His approach is hands-on, straightforward, and focused on real challenges researchers face today.

Two-Day Online Training Course (09:00 - 17:00 CET)

Day 1: Integrating AI into Academic Research

- **09:00 – 09:30: Session 1: Welcome, Introduction & Objectives**
 - Overview of AI's transformative potential in academic research
 - Introduction to course structure and participant goals
 - Setting expectations for hands-on learning and outcomes
- **09:30 – 10:45: Session 2: Brainstorming Emerging Research Trends**
 - Introduction to the tools for trend identification
 - Techniques for analyzing research gaps using AI-driven insights
 - Practical exercise: Generating trend ideas for your field
- 10:45 – 11:00: Morning Coffee Break
- **11:00 – 12:30: Session 3: Streamlined Literature Review Techniques**
 - Overview of platforms for literature synthesis
 - Methods to summarize papers and extract key themes efficiently
 - Hands-on activity: Building a literature map using advanced tools.
- 12:30 – 13:30: Lunch Break
- **13:30 – 15:00: Session 4: Smarter Academic Writing Techniques**
 - Introduction to writing assistants
 - Strategies for drafting, editing, and structuring papers with automation support
 - Examples and practice: Refining a research abstract.
- 15:00 – 15:15: Afternoon Coffee Break
- **15:15 – 17:00: Session 5: Visualizing and Interpreting Research Data**
 - Overview of digital tools for data processing
 - Techniques for cleaning, analyzing, and presenting data
 - Practical exercise: Creating a visualization from sample data

OTHER COURSES

PM² PROJECT MANAGEMENT
METHODOLOGY FOR EUROPEAN FUNDED
PROJECTS

PROPOSAL WRITING FOR RESEARCH &
INNOVATION PROJECTS

MASTERING ERASMUS+ PROPOSAL
DEVELOPMENT: FROM PROJECT
CONCEPT TO WINNING PROPOSAL

FINANCIAL ADMINISTRATION & AUDITING
PREPARATION
FOR EU FUNDED PROJECTS

RISK MANAGEMENT FOR EC FUNDED
PROJECTS

IMPACT OF E.C. FUNDED RESEARCH

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Day 2: Expanding AI Capabilities in Research and Dissemination

- **09:00 – 10:30: Session 6: Mastering the Art of Prompting**
 - Principles of effective prompt engineering
 - Examples of prompts tailored to research-specific tasks
 - Hands-on practice: Crafting prompts to solve research challenges
- 10:30 – 10:45: Morning Coffee Break
- **10:45 – 12:15: Session 7: Creating Multimedia Research Outputs**
 - Overview of tools for media creation
 - Producing audio summaries, videos, and graphics from text
 - Activity: Converting a research summary into a short media
- 12:15 – 13:15: Lunch Break
- **13:15 – 14:45: Session 8: Building Intelligent Research Assistants**
 - Introduction to automation and AI agents
 - Setting up assistants for repetitive research tasks
 - Exercise: Designing a digital assistant for your workflow
- 14:45 – 15:00: Afternoon Coffee Break
- **15:00 – 16:15: Session 9: Promoting Your Research Effectively**
 - Strategies for dissemination using digital tools
 - Crafting impactful summaries and visuals for various audiences
 - Practice: Planning promotion for your research
- **16:15 – 17:00: Session 10: Course Recap, Q&A, and Next Steps in Your AI Journey**
 - Summary of key tools and techniques
 - Open Q&A to address participant questions
 - Guidance on integrating new skills into ongoing practice

Please note - This agenda should be considered as a backbone, the exact content and flow may vary to better accommodate the needs of each training group individually.