

Generative AI Canvas / Research

Theme		Name / Team		Date
 Research Question / Gap What specific research question, gap, or hypothesis are we addressing, and why does it matter to our field? <i>Think about the knowledge, method, or application you want to advance, and why this is timely or significant.</i>	 Current Research Approach Which part of the research lifecycle do we want to explore – and how do we currently work in that area? <i>Choose a part such as literature review, study design, data collection, analysis, writing or dissemination. Note the methods, information or tools involved.</i>	 Challenges / Bottlenecks Where do we run into difficulties, limitations or unnecessary effort in this part of the research? <i>Consider where the work is repetitive, time-consuming, difficult to do consistently, or where existing methods or processes may limit rigour, progress or reproducibility.</i>	 AI Opportunity Where could AI help with the challenges we identified, and what would it need to do? <i>Could it find or compare information, explore ideas or alternatives, prepare or analyse data, work with qualitative material, develop or review outputs, or communicate research for different audiences?</i>	 Prototype What small, testable use of AI could we try? <i>Sketch what AI would need to draw on, how you would test the idea, and what a useful output or result would look like. Aim to learn something without trying to build a complete workflow.</i>
 Ethics What ethical, disciplinary or integrity issues should we keep in mind? <i>Think about privacy, accuracy, bias, authorship and transparency. What would need checking, documenting or human judgement? Are there approvals or requirements that should shape the test?</i>	 Alignment What wider priorities or commitments should shape this use of AI? <i>Look at funder expectations, disciplinary standards, institutional and wider strategic priorities, and open research principles. Which are relevant here?</i>	 Success How would we know whether using AI here was genuinely worthwhile? <i>Decide what you would look for before running the test. This might include research quality or rigour, reproducibility, time or effort, the usefulness of the outputs, or feedback from the people involved.</i>	 Action What is the next useful step? <i>Choose one practical action to test or refine the idea. You might gather the right material, try it on a small scale, compare approaches, or involve someone whose expertise or perspective would help.</i>	 Reflection After testing, what did we learn about the research or the way we work? <i>What surprised you? Did the test reveal assumptions, limitations, gaps or new possibilities?</i>

