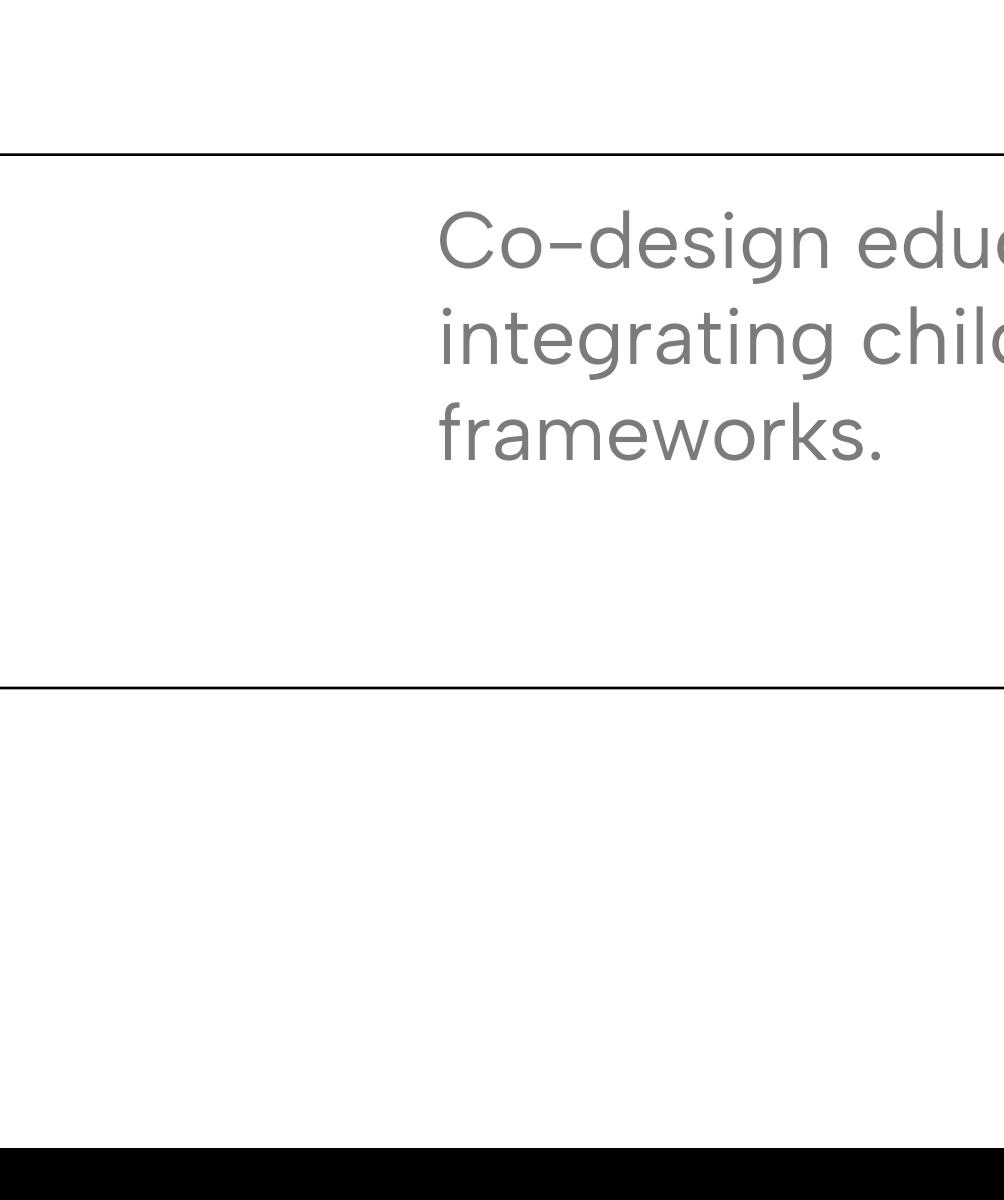


# /Bridging Contexts: Inclusive AI Co-Design and PhD Research Exchange Between **the UK and Brazil.**

**PURPOSE****OBJECTIVES****SDG CONTRIBUTIONS****TIMELINE****Q1****PURPOSE**

Funded by the British Council, this project aims to tackle educational inequities faced by marginalised children in Brazil by bolstering research capacity in inclusive AI design. It further seeks to cultivate cross-national collaboration between UK and Brazilian PhD researchers, co-develop child-centred, equity-focused tools, and establish sustained partnerships to drive progress toward equitable education systems.


**Newcastle  
University**

**UNIVERSIDADE FEDERAL  
DO RIO GRANDE DO SUL**
**Q2****OBJECTIVES****01****Capacity-Building**

Train 20 gender-balanced PhDs (5 UK, 15 Brazil, 50% women) in child-focused inclusive AI co-design methodologies.

**02****Prototyping**

Develop 5 child-centred AI prototypes tailored to Brazilian rural/urban and neurodiverse learners.

**03****Co-Design**

Co-design educational materials integrating child-AI interaction frameworks.

**Q3****SDG CONTRIBUTIONS**

- Inclusive Educational Tools**

SDG 4

Prototypes and training enhance access to quality, age-appropriate learning tools for rural/neurodiverse children.

- Gender Equity in STEM**

SDG 5

50% female participation and gender-responsive design address STEM gender gaps.

- Equity for Marginalised Groups**

SDG 10

Focusing on marginalised groups reduces educational disparities.

- UK-Brazil Research Partnership**

SDG 17

MOU and exchanges sustain UK-Brazil research collaboration.

**Step 1****Project Initiation & Capacity Building**

Recruit and assemble an international, gender-balanced cohort of doctoral researchers. Form interdisciplinary teams and conduct foundational training on child-centered, context-sensitive research methodologies and local cultural contexts.

**Step 2****Field Research & Co-Design**

Teams conduct immersive field research with children in diverse Brazilian communities. The focus is on participatory design to understand needs and contexts, resulting in initial prototype concepts and detailed research insights.

**Step 3****International Collaboration & Prototype Refinement**

Researchers engage in an intensive exchange program, facilitating a series of hands-on co-design workshops. Prototype concepts are iteratively developed and refined through direct collaboration and feedback with local partners and stakeholders.

**Step 4****Prototype Showcase & Evaluation**

A hybrid showcase event is held to present prototype concepts. A diverse panel of educators, experts, and community members evaluates the proposals to select the most promising concepts for further development.

**Step 5****Prototype Development & Testing**

Selected prototypes are developed into functional versions by technical specialists. These are then evaluated through rigorous testing sessions with children to assess usability, engagement, and educational impact.

**Step 6****Knowledge Dissemination & Resource Sharing**

Research findings and project outcomes are prepared for academic publication. Co-designed educational resources are finalized and shared broadly. A sustainable, open-access digital platform is launched to archive project materials and facilitate ongoing community engagement.

**More ways to explore****ABOUT →****PROJECT PROPOSAL →****NEWS + EVENTS →****PROTOTYPES →****PEOPLE →****CONTACT →****HAIL LAB****Learn more about the lab →****/Bridging Contexts:  
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Exchange Between **the UK and Brazil.****