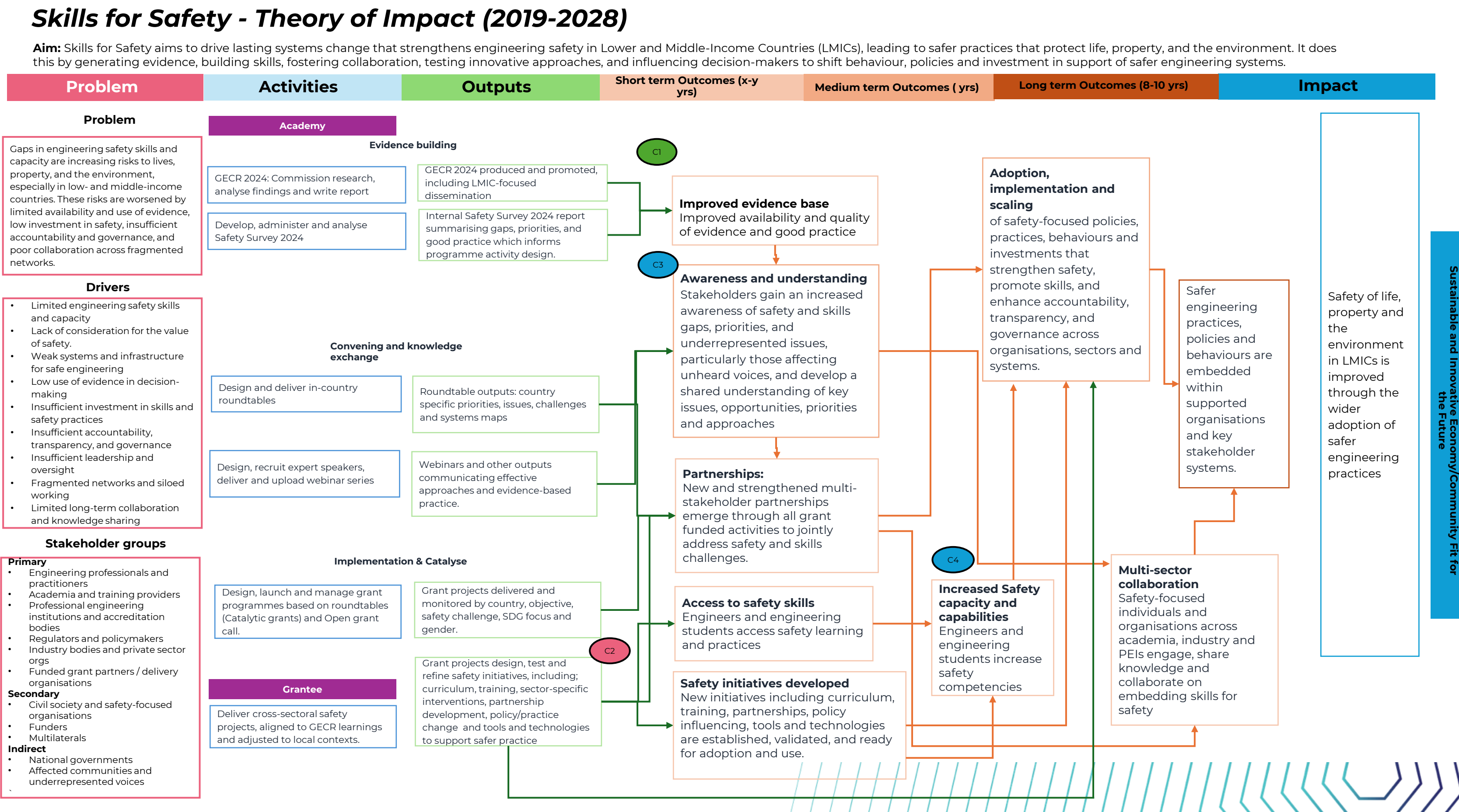




Causal Pathways & Assumptions

C1. Evidence pathway

Through access to high-quality evidence, stakeholders develop a shared knowledge base and a stronger understanding of risks, opportunities, and effective approaches. This enables more informed decision-making and strengthens alignment around priorities.

Evidence → Shared understanding and awareness → Alignment on priorities → Informed and aligned decision-making

Assumptions

The programme can reach key decision-makers in addition to technical audiences.

The GECD provides robust evidence and data highlighting key skills and capacity gaps that need to be addressed to overcome safety challenges. The safety survey (open to anyone working on or with an interest in safety, with a focus on LMICs) provides us with strong anecdotal evidence of the main barriers to safety, while our conversations with safety-interested people in our networks reinforce these.

C2. Catalytic pathway

If promising approaches to addressing skills and safety challenges receive funding and support, and change-makers are equipped to champion them, then successful models can be demonstrated, adopted and scaled, leading to sustainable changes in safety.

Multi-stakeholder partnerships funded → Learn → Generate Evidence → Adoption → Scale → Sustainable safety practices..

Assumptions

Pilot approaches can demonstrate measurable success within project timeframes.

Small catalytic investments towards a narrow set of objectives can unlock further investment or support which eventually influences wider systems.

Open calls enable promising projects to be identified for later scaling

Catalytic calls enable promising approaches to have a wider impact (measured through reach, funding, scale, partnerships, embedding)

C3. Awareness leading to Action

Evidence, insights and knowledge products are used in targeted stakeholder engagement, raising awareness of the challenges and how to tackle them, enabling clearer approaches, inclusion of diverse perspectives and alignment on priorities and opportunities and resources for collaboration, leading to effective and scalable solutions.

Evidence & Awareness → Advocacy & Convening → Diverse Perspectives → alignment on priorities → Effective and scalable solutions

C4. Building Safety Capacity and Capability

Engineers and engineering students gain the knowledge, skills, tools and support needed to apply safety-centred approaches. These capabilities become embedded within organisational practices, enabling the adoption, implementation and scaling of safer engineering solutions.

Capability → Application → Embedding → Scale

Overall Assumptions

Political, economic and regulatory conditions do not significantly undermine safety improvements.

Those reached by the programme can influence practices, policies, investments or organisational behaviour.

There is sufficient demand for safety-related knowledge and support, and motivation to make change.

Academy-led roundtables, webinars and grants actively recruit stakeholders across industry, academia and policy.