United Nations

Department of Economic and Social Affairs

Sustainable Development

Register an SDG Action

| 1 Intro | ② Details | ③ Deliverables & Resources | ④ Contact & Account | ⑤ Complete |

Location
(City/town, Country)

Title

Biological HRI Social Exoskeleton: Protecting Cognitive Sovereignty & Tru

Canada (specifically referencing the Ontario school board corridor) Aurora

Lead entity name
Lead organization/entity name involved in this initiative.

Lead entity type

Dr. Stephanie A Sadownik

Scientific community

Partners
List any additional organizations, entities, stakeholder networks that are involved in this initiative, separated by a comma.

Stakeholder Network List

Autism Alliance of Canada, Specialisterne Canada, Accessibility Standards Canada, Information and Privacy Commissioner of Ontario (IPC), Ontario College of Social Workers and Social Service Workers (OCSWSSW), College of Physicians and Surgeons of Ontario (CPSO), Ottawa-Carleton District School Board (OCDSB), Simcoe County District School Board (SCDSB), York Region District School Board (YRDSB), Ottawa Police Service (OPS), Toronto Police Service (TPS), Centre for Addiction and Mental Health (CAMH) Adult Neurodevelopmental Services, AIDE Canada, Future Skills Centre, National Research Council Canada (NRC), Neurodiversity @ IBM Stakeholder Network, Microsoft Ability Summit Network, United Nations Department

Description
Please describe as clearly as possible what the objective of this initiative/partnership/commitment is.

Coordination mechanisms
Please clearly describe how this initiative is governed.

his initiative deploys Biological Human-Robot Interaction (HRI) to provide a 'Social Buffer' for neurodivergent individuals. By utilizing the Neurodivergent Scale for Interacting with Robots (NSIR), we prioritize Trust Safety and Acoustic Rumination reduction. This project addresses the documented risk of institutional betrayal and tactical escalation in public spaces (e.g., the Gorge and Victoria Street), ensuring that neurodivergent 'meltdowns' or 'shutdowns' are not criminalized. Our

4. Reporting & Accountability (The Feedback Loop)

The initiative maintains coordination through a Quarterly SDG Impact Audit:

Measurable Output: Reduction in "Masking Debt" and "Social Penalty" for

Implementation methodologies

Please clearly describe how this initiative is carried out.

the link" to any institutional surveillance (e.g., school board tracking) instantly.

2. Phase II: The Verified Node Network (Communication Level)

This is where the initiative addresses the "Institutional Betrayal" of broken portals and ghost emails.

Arrangements for Capacity-Building and Technology Transfer

To ensure the technology is being transferred ethically and effectively, we use the following metrics:

4. Global Technology Transfer (SDG 17)
By registering this as an SDG Action, the technology and coordination mechanisms are made available for transfer to other global regions facing similar "Tactical Risks" for neurodivergent populations. This

Evaluation

5. Accountability and Transparency

They evaluate how you will report failures (like the bounced emails).

Evaluation Criteria: Is there a mechanism for monitoring progress and reporting barriers?

Beneficiaries

List of beneficiaries separated by a comma.

Neurodivergent students, ActuallyAutistic researchers, parents and legal guardians of neurodivergent minors, Special Education Teachers (SERTs), Educational Assistants (EAs), neurodivergent staff within Ontario School Boards, clinical psychologists and social workers, pediatricians, disability rights advocates, Human-Robot Interaction (HRI) developers, Artificial Intelligence (AI) ethics researchers, trauma-informed first responders, crisis intervention teams, the Ottawa-Carleton community, the Simcoe County community, the York Region community, and the global neurodivergent population.

Next step

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