Funding Opportunities

The following programmes are ongoing under the Urban Solutions and Sustainability Domain. These are available for local-based research activities conducted by public research performers and the industry.

Resource & Environmental Sustainability

Air Quality Monitoring And Control Funding Initiative

Supports basic and applied research in urban air quality, to improve our understanding of Singapore's ambient air pollutants and develop technological solutions for monitoring.

Closing The Resource Loop Funding Initiative

Supports research and development on sustainable resource recovery solutions for key waste streams such as e-waste, plastics and food, and finding useful and safe applications for treated waste residues.

Climate Impact Science Research (CISR) Programme

Aims to better understand the long-term impact of climate change on Singapore. The programme will focus on five key priority areas - sea level rise; water resource and flood management; biodiversity and food security; human health and energy; and cross-cutting research to bridge science-policy translation.

Singapore Food Story (SFS) 2.0

Fresh funding has been allocated to further the second phase of SFS R&D Programme to support research projects in the aquaculture, agriculture, future foods and food safety domains. Greater emphasis will be placed on addressing food security challenges, which includes intensifying sustainability and circularity for Singapore's climate change commitments and enhancing food safety amidst the emergence of novel food.

Low Carbon Energy Research Programme

A multi-agency initiative that funds research in decarbonisation technologies that support Singapore's goal of getting to net zero by 2050. These include projects that can help Singapore import, handle, and utilise hydrogen and its carriers safety and at scale, in support of Singapore's National Hydrogen Strategy.

PUB R&D

Open for application throughout the year to local and overseas organisations, companies and Institutes of Higher Learning. The projects need to be of value and relevance to PUB's current and/or future operations.

Urban Systems

Marine Climate Change Science (MCCS) Programme

New research programme in RIE2025, to advance the core sciences of marine climate change, and develop solutions to help address the challenges faced by Singapore's coastal and marine environment arising from climate change.

Cities Of Tomorrow (COT) R&D Programme

A multi-agency led programme which aims to establish Singapore as a highly liveable, sustainable, and resilient city of the future. Through a suite of curated research, the programme aims to address key challenges such as tightening resource constraints, ageing buildings, climate change, and greater densification.

CoT

Ongoing Grant Calls

Green Buildings Innovation Cluster (GBIC) Programme

Integrated research, development and demonstration programme in support of the Singapore Green Building MasterPlan and Singapore Green Plan.
GBIC comprises two parts, namely
(a) GBIC-R&I which includes R&D and Product Prototyping and
(b) GBIC-Demonstration.

Built Environment Technology Alliance (BETA) Programme Catalyst Funding

Works closely with government agencies, academia and industry stakeholders to co-create ideas, catalyse industry-led innovations for the built environment sector, and translate such innovations into economic value for both BE firms and Singapore.

Built Environment Accelerate To Market Programme (BEAMP)

Brings innovators and companies together to fast-track the innovation process to solve real-world industry challenges.

Research

Development

Deployment

Resource & Environmental Sustainability Sub-track

- Air Quality and Monitoring Control
- Climate Science and Adaptation
- Closing the Resource Loop
- Energy and Decarbonisation
- Food
- Water

Every year, huge strides are made by researchers in their efforts to address Singapore's urban sustainability challenges. Our Research, Innovation and Enterprise (RIE) plans under the Urban Solutions and Sustainability (USS) domain is Singapore's strategy to harness science and technology to build a more resilient, sustainable and liveable city.

USS began with investments in water and energy technologies which are critical resources to Singapore's survival.
Over time, our mission expanded to address other resource constraints, and major urban systems.

Urban Solutions and Sustainability (USS) Domain

Science & Technology Plan 2010
(2006 - 2010)
- Water
- Energy

Research, Innovation and Enterprise 2015
(2011 - 2015)
- Water
- Built Environment
- Energy

Research, Innovation and Enterprise 2020/2025
(2016 - 2025)
- Water
- Built Environment
- Climate Change
- Food
- Energy
- Urban Mobility
- Closing the Resource Loop

The USS domain is organised into two sub-tracks: (i) Resource and Environmental Sustainability; and (ii) Urban Systems. Through collaboration with our Institutes of Higher Learning, research performers, industry partners and agencies, we hope to address challenges such as climate change, construction productivity in the next bound, while continuing to transform Singapore into a City in Nature.

Join us in the journey of discovering key efforts under the Sustainability, Liveability and Resilience themes, which support some of our national initiatives such as the Singapore Green Plan 2030 and Built Environment Industry Transformation Map.

Urban Systems Sub-track

- Advanced Construction
- Resilient Infrastructure & Smart Facilities Management
- Urban Mobility
- City in Nature
- New Spaces
- Liveable & Healthy Cities
- Sustainable Built Environment