



## ClimateFIRST: Climate Framework to Improve the Resilience of Sanitation Technologies

The Climate Framework to Improve the Resilience of Sanitation Technologies (ClimateFIRST) supports the global sanitation sector to design sanitation technologies that can better accommodate the effects of increasingly extreme climates.

Users of ClimateFIRST include designers, research and development (R&D) personnel, commercial partners and implementers of decentralised sanitation technologies. These groups, working in low- and middle-income country settings are challenged with supporting the achievement of safe containment and treatment of faecal waste as hazardous climate events and trends worsen.

Developed by the University of Technology Sydney, Institute for Sustainable Futures (UTS-ISF) with support from the Bill and Melinda Gates Foundation, ClimateFIRST contributes to critical thinking about the design and deployment of sanitation technologies that are more likely to be effective in the face of climate change.

ClimateFIRST is an Excel-based framework that provides a structured way for sanitation technology stakeholders to:



**Assess** a wide range of specific climate hazards that can adversely affect a sanitation technology



**Evaluate** up to 25 different design features that can strengthen sanitation technology resilience



**Generate** ideas for improving the climate resilience of a sanitation technology



**Make informed decisions** about the relative merits of different sanitation technologies under climate change



To start using ClimateFIRST, visit our website.

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Going through the ClimateFIRST framework was thought provoking and revealed some critical blind spots we had as a technology developer. Revealing those gaps has directly led to system modifications which will result in a more climate resilient sanitation technology. Robert Bair, Senior Development Engineer, University of South Florida.