



FINISH MONDIAL

2nd Annual

SanTech Hackathon

**DEADLINE
EXTENDED**

Innovating in safely managed sanitation solutions for flood-prone & high-water table areas

The challenge

During rainy seasons, ground water tables rise. This may lead to flooding/waterlogging destructive to sanitation infrastructure. Sludge from pit latrines gets mixed with and contaminates ground and surface water (used for household consumption and agricultural activities) at great expense to public health. In addition, the following problems have been identified which make toilets expensive and unsustainable, especially for the rural poor:

- High cost of emptying, high fill-up rate due to infiltration of the ground water to the pit causing premature need for pit emptying.
- Substructure damage due to water level fluctuation.
- Frequent requirement for some retrofitting/maintenance after each flood.
- High need for toilets during flooding (when open defecation practice is not possible).

What are we looking for?

- Innovations suitable for high-water table areas (ground water table 1m below the ground) & flooded/water-logged (max. 0.6m above the ground).
- Improvements on existing systems or completely new ideas, created through: novel design, choice of materials, new processes, and/or any other component that can be applied situation detailed above.
- Innovations must address all components of the toilet and its functionalities: separation/user interface, collection & safe storage/treatment.

Tips for success

- Since most residents in the flood-prone areas FM works are 'washers', we encourage water-based solutions/wet sanitation systems.
- We are not looking for eco-san sanitation systems.
- This call is not for areas where flood levels are extremely high (above 0.6m from ground) in cases where houses get demolished and/or other assets are lost.

Important dates

1. Contest launch
23 March 2021
2. Last date for submission
updated
30 May 2021
23:59 CEST
3. Live virtual event & winners' announcement
21 July 2021

How to enter

1. Prepare your application with:
 - a. The application form (Annex 1)
 - b. 3 photos
2. Submit your application and supporting materials (before 30 May) at this [link](#).
3. Let us know you completed the application! Follow FINISH Mondial on social media and tag us in a post with #FINISHMondial and why we need to come together to address the #floodprooftoilet.



After the deadline, the TWG selection panel will review submissions to select 8 finalists. If selected, the organisers may ask finalists to submit additional video material. A jury of international experts will then select the winners, to be announced in a live virtual event.



Ministry of Foreign Affairs of the Netherlands



Who can enter

We welcome applications from a diverse range of candidates. You can apply as an individual or as part of the group (Research institution, academic institution, NGO, or entrepreneur). Participants with technical experience on toilet construction are encouraged to apply.

Judging

Panels will select finalists and winners based on:

1. How novel is your idea? (20% of score)
2. How does your idea address the challenge? Is your idea appropriate for the high ground water table and flood-prone areas? (40% of score)
3. How technically feasible is your design, and how easy it would be to implement and scale? (20% of score)
4. How cost-effective is your idea? (20% of score)

Prize

As winners you will win prize money and chance to implement your innovation on the field.

1. First prize: €3,000 + implementation of your solution in one of the FINISH Mondial countries
2. Second prize: €2,000
3. Third prize: €1,000
4. Audience favourite (live voting during virtual event): €1,000

About FINISH Mondial

[Financial Inclusion Improves Sanitation & Health \(FINISH\) Mondial \(FM\)](#) is an ambitious, 6-country programme aiming to substantially scale up the access and use of safe sanitation led by Dutch NGOs, WASTE, Amref Flying Doctors & Aqua for All, funded in part by the Ministry of Foreign Affairs of the Netherlands (DGIS). FINISH started in India (2009) with the aim of building a local system to deliver sanitation services on a large scale. The programme ensures that people are aware of the need for a safe and durable toilet, people want to buy one, it is built and safely managed by local people and is affordable. FINISH Mondial is on track to construct 2 million improved sanitation systems, benefitting 10 million people and creating at least 16 million workdays in construction alone.

The Technical Working Group (TWG) is one of the main groups supporting FM, comprised of technical experts from all 6 FM countries and advisers who have extensive experience in implementation of sanitation projects. TWG is focused on technical innovations that will help to reduce costs and improve the quality of sanitation systems. Additionally, the TWG also works on specific designs of sanitation systems, training of artisans/masons and development of sanitation curricula. The TWG hosted the first [FM technical sanitation contest](#) in 2020 during which, 60 applications from 14 countries were received. FM is currently working on the 4 winning innovations. 2 of which are being implemented, 2 of which are still in the pilot stage.



Questions?
Contact us at
finishmondialtechnical@waste.nl