



A RESILIENT COMMUNITY – A HEALTHY ENVIRONMENT

Two paths to well-being

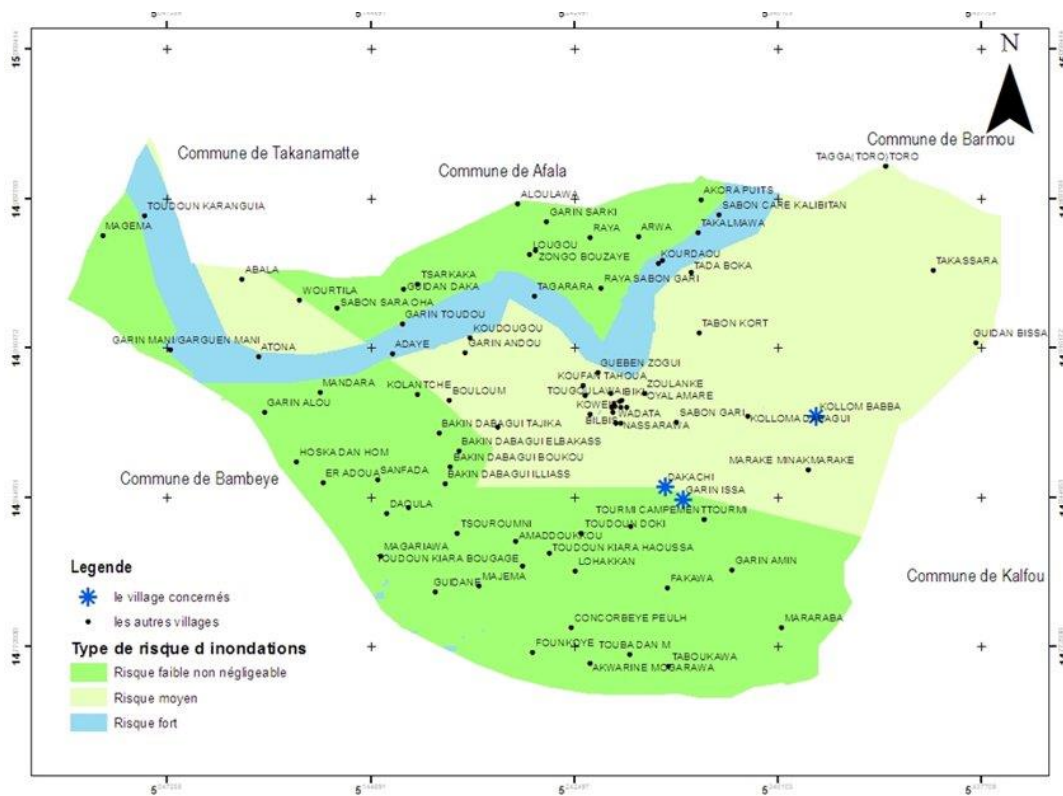
Turning plastic waste into SanPlat latrine slabs, and training local masons to build safe, affordable family latrines in the Tahoua region of Niger.

Implemented by ASB and ADKOUL, with financial support from GFFO and ADH (Aktion Deutschland Hilft)

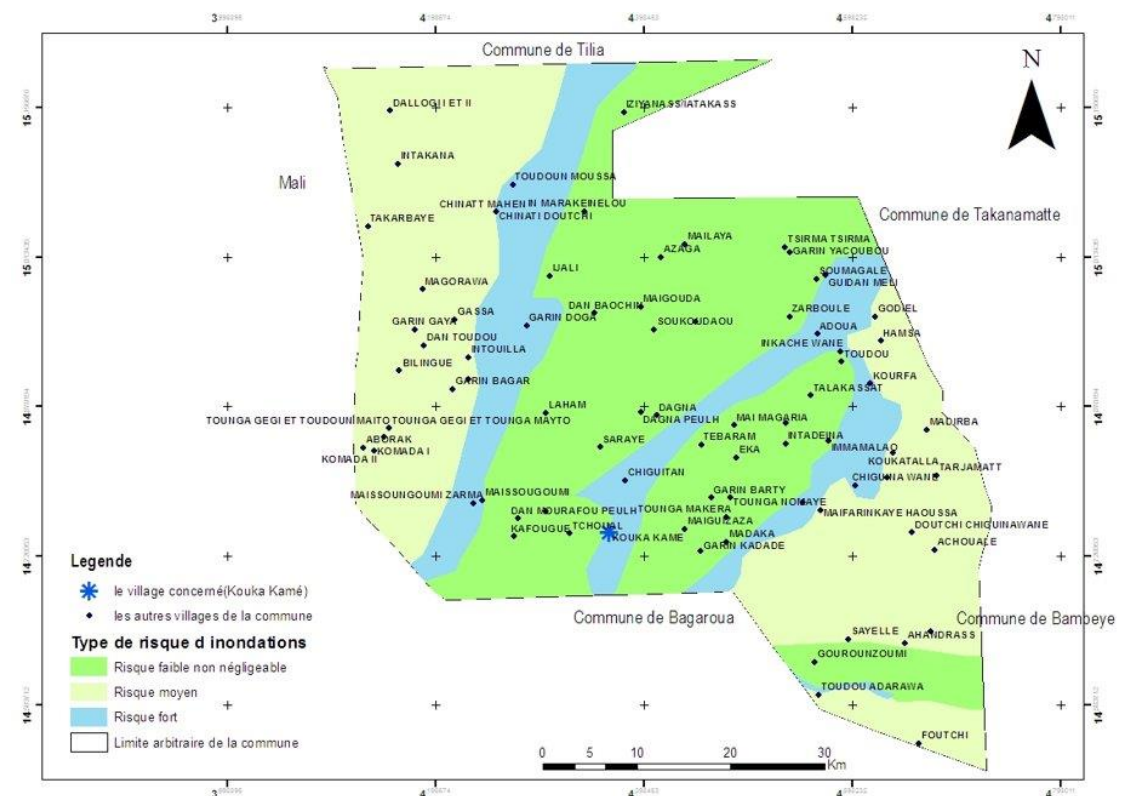
Dakaché • Kolloma • Kouka Kammé • Garin Issa — Tahoua region, Niger

Context: the Tahoua region, Niger

The four project sites — Dakaché, Kolloma, Kouka Kammé and Garin Issa — lie in the urban commune of Tahoua and the rural commune of Tébram. The area is highly exposed to droughts, heavy rains, floods and the degradation of natural resources, which weaken sanitation infrastructure and encourage the build-up of plastic waste.



Urban commune of Tahoua



Rural commune of Tébram

THE CHALLENGE

Two problems, one root cause

- **Unsafe sanitation**

Many low-income households lack a safe latrine, and floods and heavy rains damage fragile structures — exposing families, especially children, to disease.

- **Uncontrolled plastic waste**

Plastic waste piles up in the open, clogs drainage channels — a real risk in the rainy season — and pollutes the environment.



Component 1 — From plastic waste to SanPlat slabs

15 members of the waste management committees (8 women, 7 men) were trained to turn plastic waste into SanPlat slabs: a circular economy serving sanitation.



1 · Collect and sort plastic waste



2 · Melt it in metal drums, with protective gear



3 · Cast the SanPlat slab in a round mould

Component 2 — Training local masons

Local masons were trained in rebar work, pit digging and sizing, masonry, and making cement SanPlat slabs with strict attention to the mix ratio. These skills now stay in the community.

18

local masons trained
in latrine
construction techniques



Building family latrines together

A participatory approach: households contribute sand, gravel and water; the programme covers the cement, rebar and the skilled labour of trained masons.



Lining the pit



Finishing the slab



Placing the slab

What this made possible

18

local masons
trained

120

family latrines
built

120

vulnerable households
reached

4

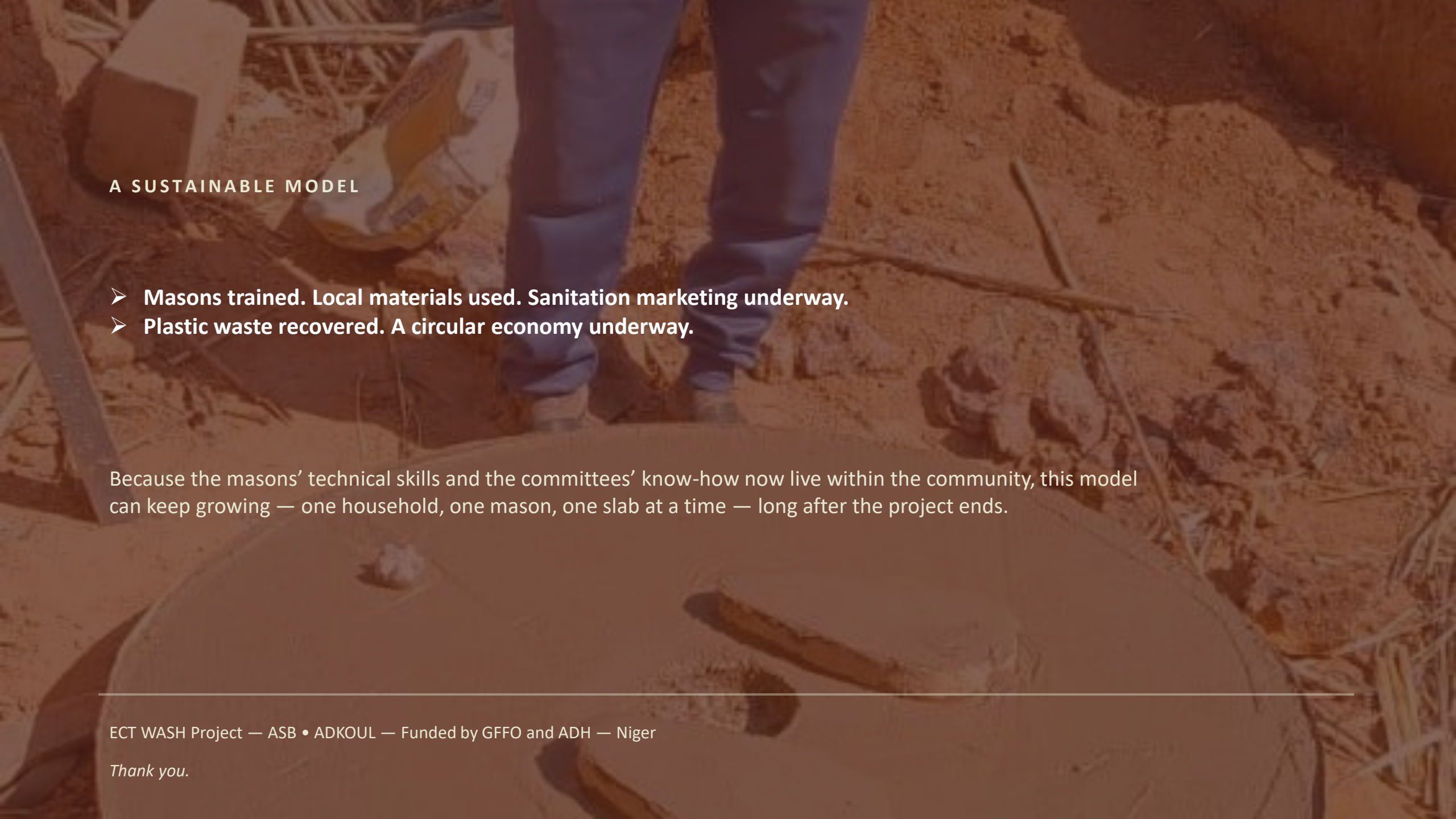
sites: Dakaché, Kolloma,
Kouka Kammé and Garin Issa

In addition, 15 waste management committee members (8 women, 7 men) in Dakaché, Garin Issa and Kolloma were trained to turn recycled plastic into SanPlat slabs.

65%

of households now have an inclusive family latrine with a SanPlat slab — up from 17% at the start of the project.





A SUSTAINABLE MODEL

- **Masons trained. Local materials used. Sanitation marketing underway.**
- **Plastic waste recovered. A circular economy underway.**

Because the masons' technical skills and the committees' know-how now live within the community, this model can keep growing — one household, one mason, one slab at a time — long after the project ends.

ECT WASH Project — ASB • ADKOUL — Funded by GFFO and ADH — Niger

Thank you.