

## **The Nubian Vault**

a low-carbon housing solution  
for adaptation and mitigation  
of the climate change





In West Africa  
**housing is often  
precarious or  
inaccessible**



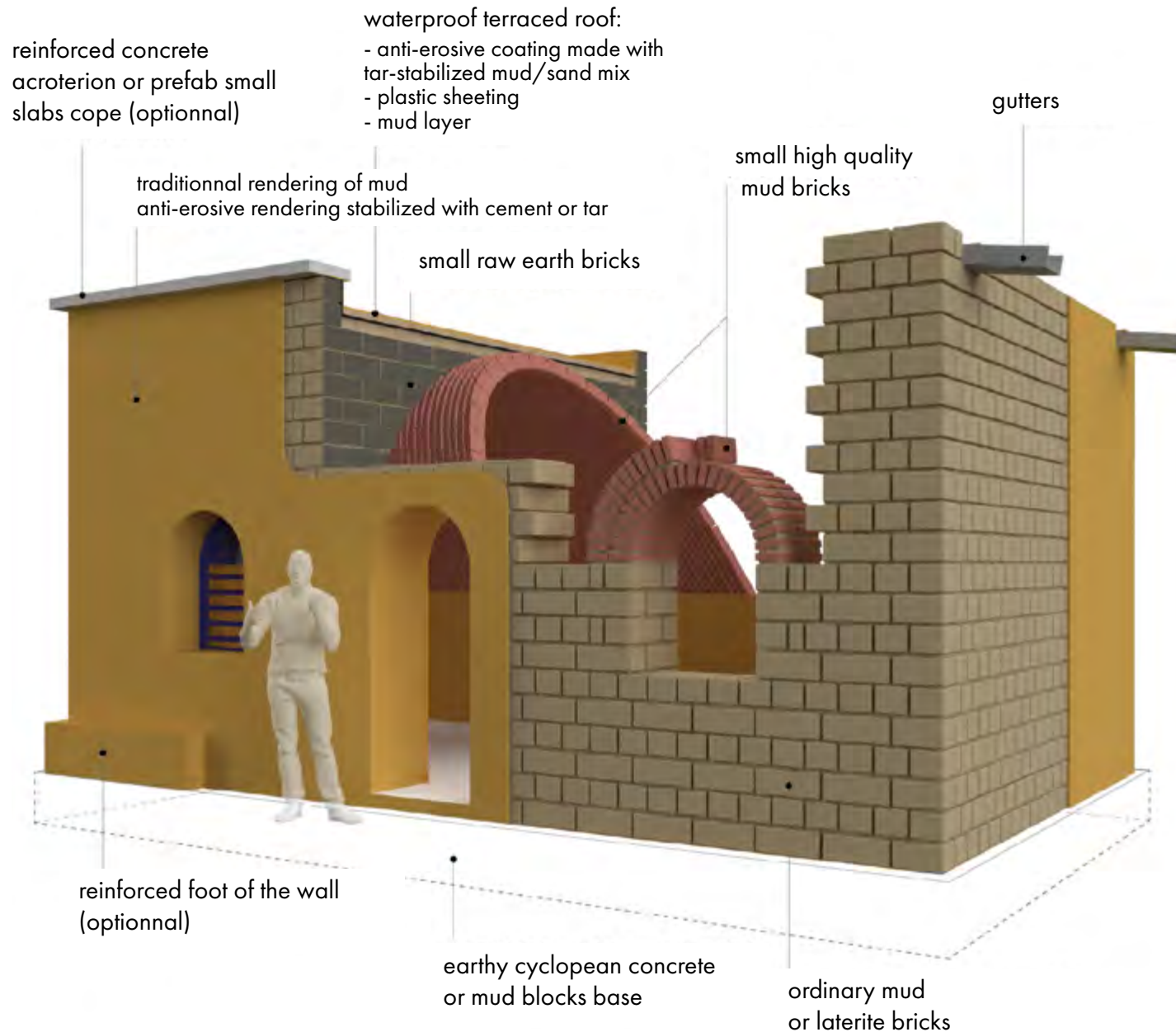


**Inappropriate zinc roofs**  
replaced traditional  
architecture because  
of deforestation




AVN enables access to  
**decent, affordable and  
sustainable homes**





The Nubian Vault  
 concept revitalizes an  
 ancestral **low-tech,**  
**low-cost, low-carbon**  
 building solution





Nubian Vaults increase  
the resilience of populations  
**to the impacts  
of climate change**





**Nubian Vaults**  
are adaptated for  
**rural use**







**Burkina Faso**







Mali







**Nubian Vaults**  
are adaptated for  
**urban use**













**Nubian Vaults**  
are adaptated for  
**community use**







Senegal







**Benin**







**"The children come to school without problem, they're not shivering from the cold because we close all the windows and don't feel the cold because the vault is built in adobe and earth radiates stored heat. It's ideal, the pupils are at ease, they've got room, and can study in comfort. "**



# Developing a sustainable housing market



**a Roof**



**a Skill**



**a Market**



AVN sensitizes the populations  
to the Nubian Vault concept and  
**kick-starts local NV markets**



**α ROOF**



The image shows three men working on a large, arched brick kiln structure. The structure is built from mud and bricks, with several arched openings. One man in a green shirt is standing and working on the upper part of the structure. Another man in a dark shirt is standing and working on the middle part. A third man in a light-colored shirt is crouching and working on the lower part. There are many bricks scattered around the structure, and a bucket is visible on the ground. The scene is set outdoors in a sunny, arid environment.

α SKILL

AVN trains and strengthens  
local actors **to boost an  
appropriate building sector**



# α MARKET



AVN provides advocacy and develops financial tools **to generate a supportive environment for the Nubian Vault**



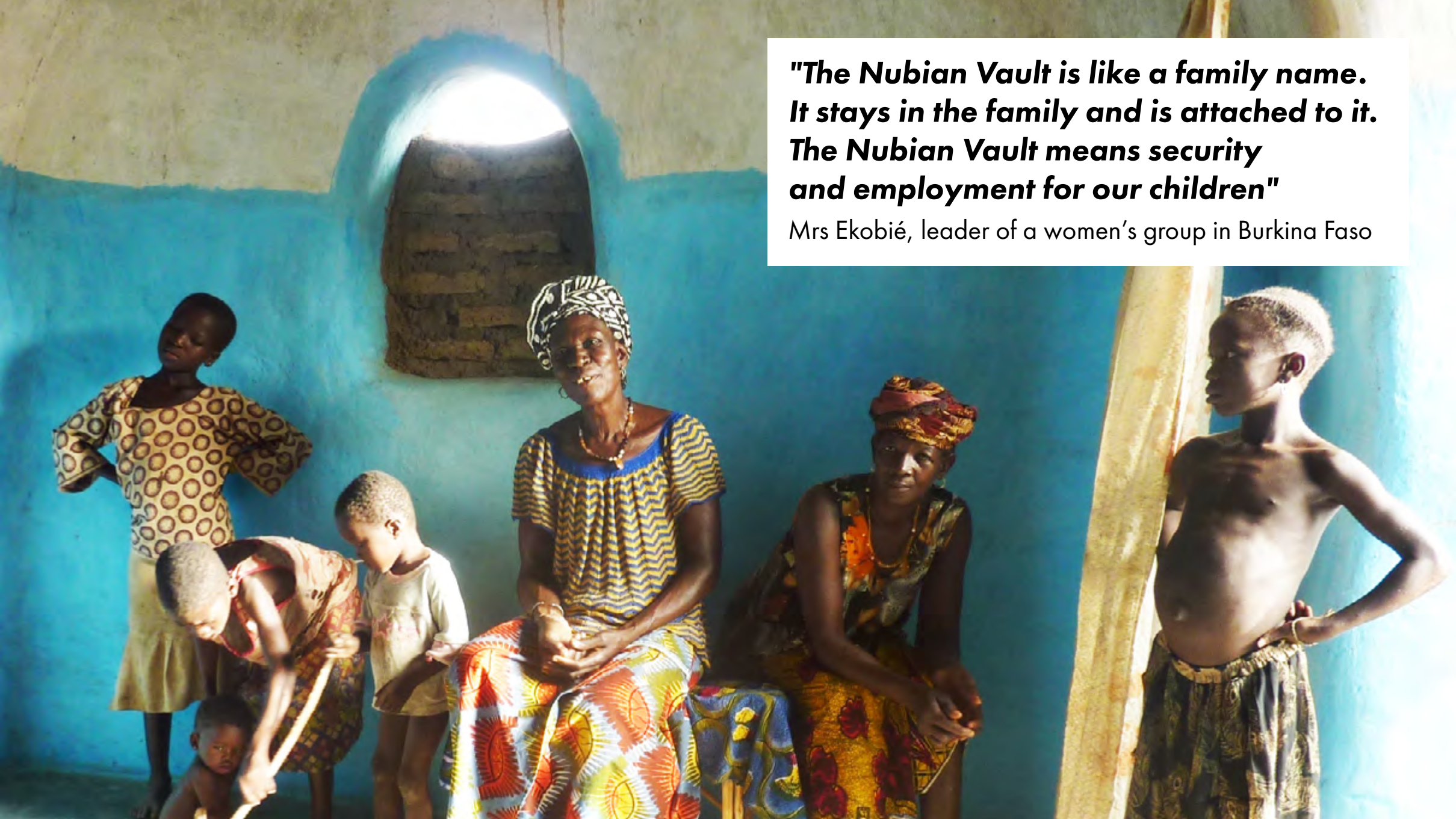
The Nubian Vault is recognized  
by numerous international awards, especially as  
**a solution for adaptation and mitigation of climate change**



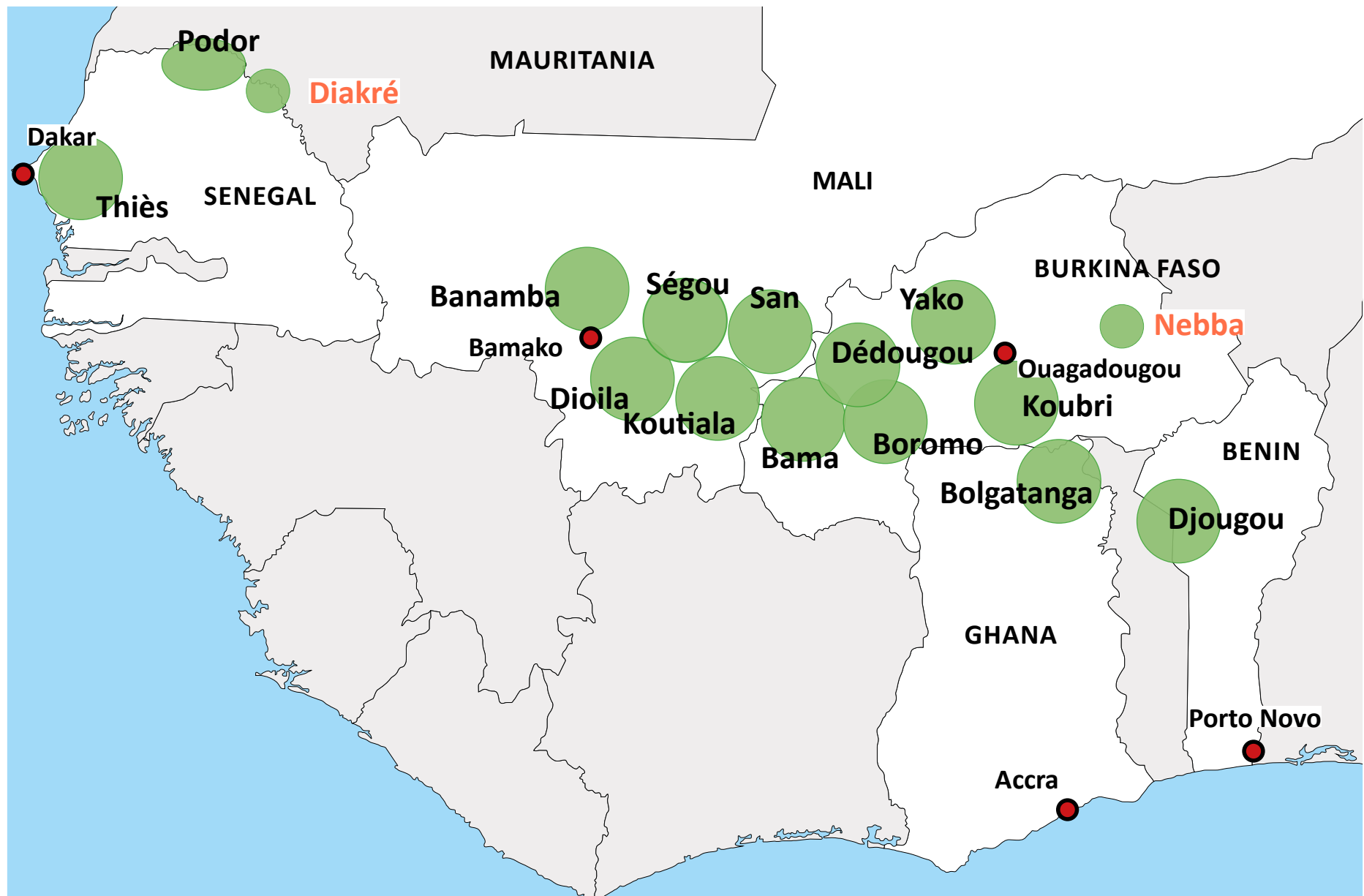


***"The Nubian Vault is like a family name.  
It stays in the family and is attached to it.  
The Nubian Vault means security  
and employment for our children"***

Mrs Ekobié, leader of a women's group in Burkina Faso









**700**  
masons  
trained



**2,400**  
buildings



**300**  
apprentices  
in training



**28,000**  
end-user  
beneficiaries



**74,000**  
tons CO<sub>2</sub>  
eq. spared



**3 million**  
USD generated  
into local circuits







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