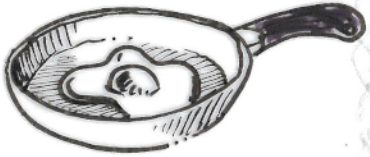
HEATING THE BARKASSE

Barkasse's sailors are going to need heat. We chose to install ecological systems that are uncomplicated to build or reuse and that run on renewable energies as much as possible while staying simple.

The Barkasse is going to navigate across Europe in all its territory diversity. The different low-tech elements are going to allow the sailors to adapt to their surroundings and its weather and to have several alternatives to generate heat.



dishes (10L/time)
+
shower (10L/people)
HOT WATER TANK

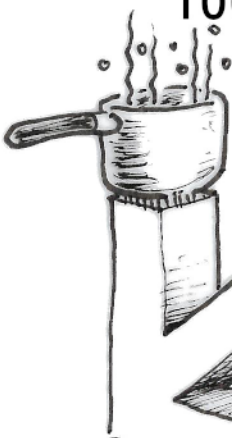
40-50L/day

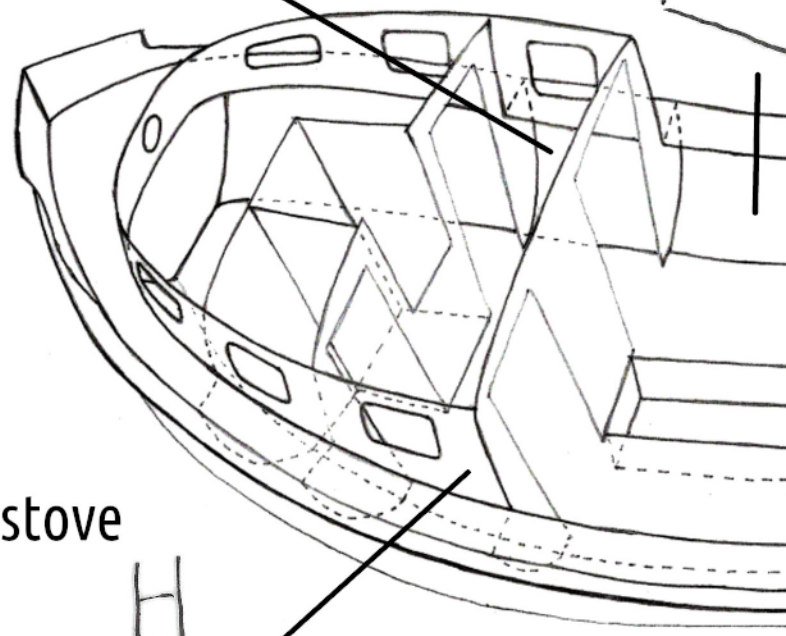
wood stock ?

18°C → room
18°C → bedroom
20°C → living space

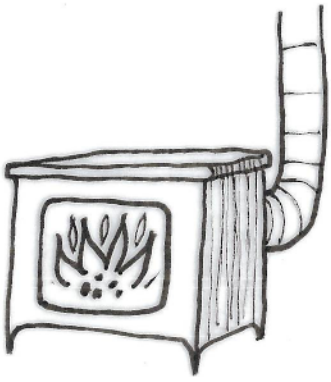
gaz stove

ro



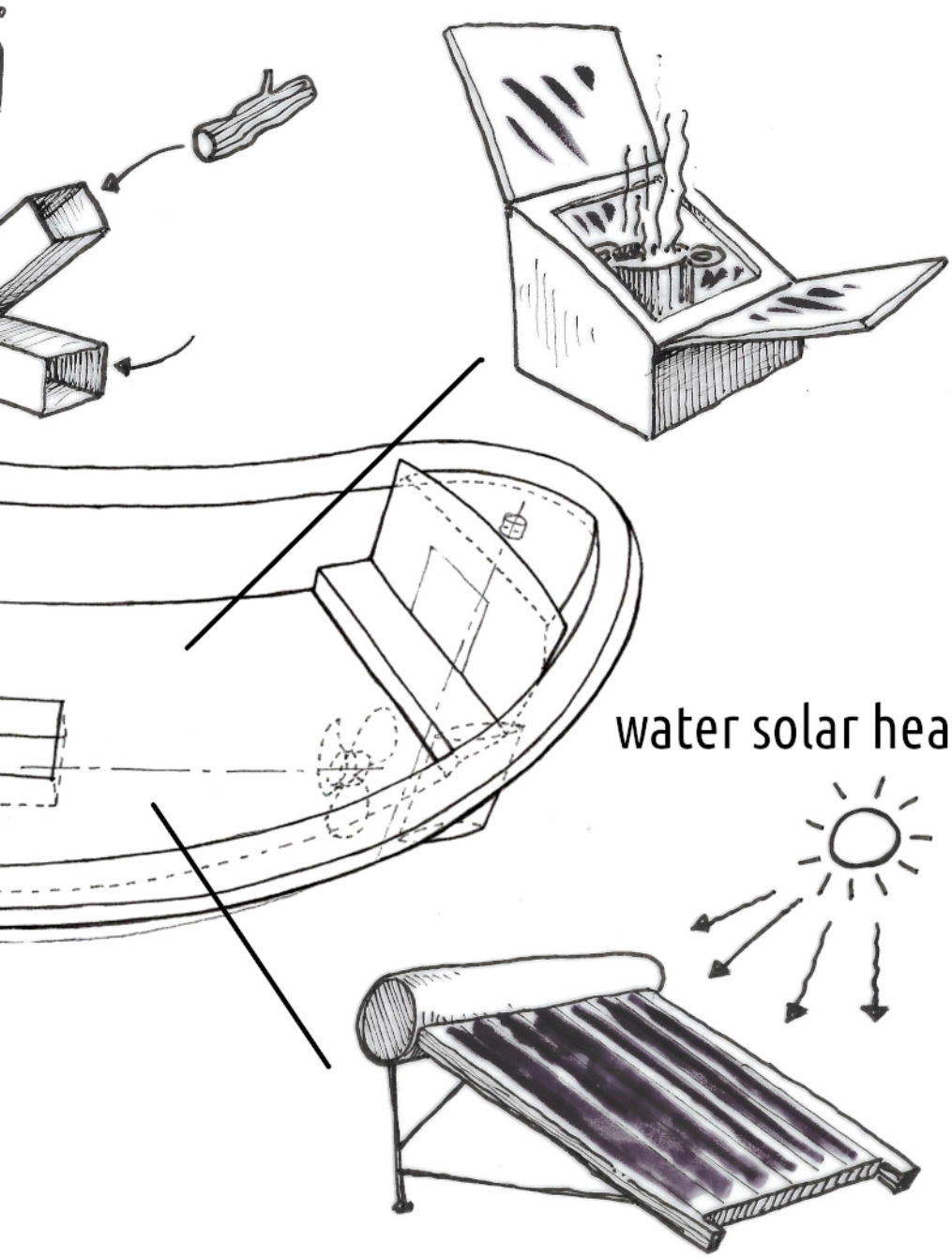


classic stove



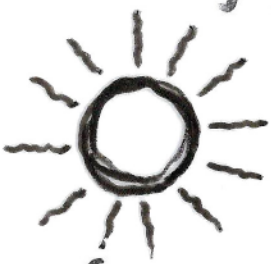
cket stove

solar stove



water solar heater

3 "heating" energy ressources available



Sun

0 ×

Sun provides low energy at unpredictable rate but free and infinite ressources

Wood

>10 years ×

Wood provides average energy and can be stored free or cheap

Oil / gas

>10 million years ×

Gas/oil provides high energy, can be stored but expensive and not renewable

Pros & Cons of heating solutions

	Efficiency & Flexibility	Making	Environmental impacts
gas stove	☺	×× ☺ 😐	☹
Sun stove	☹	☺	☺
rocket stove (extern)	☺	☹	😐
classic stove (intern)	☺	☹	😐
water solar heater	☹	😐	☺
pan on stove	😐	×	😐

× to be restored
×× upcycling