



5 SAMPLES OF END-OF-LIFE DEBRIS

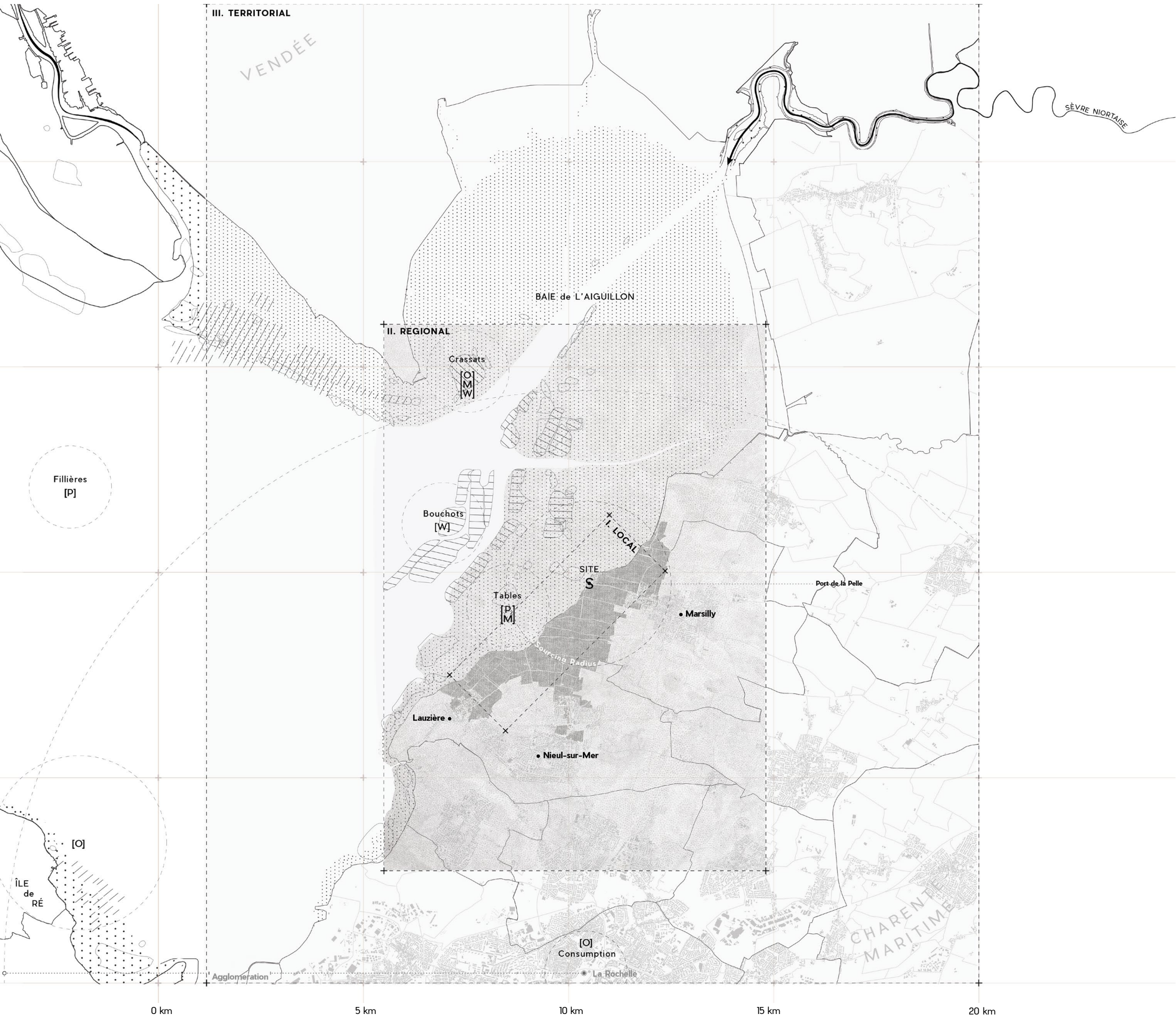
A
Pieu de Bouchot
3km from the shore

B
Huitre
6km from the shore

C
Table ostréicole
0.1km from the shore

D
Maille
1.1km from the shore

E
Coupelle de captage
10km from the shore



SOURCING RADIUS & CYCLE

The deltaic nature of the 4900 hectares surrounding the site offers distinct attributes reverberating in local modes of production, and neglect. Plastic from oyster beds regularly washes up on beaches and heavier debris (wood & metal) sink before reaching the shore, as the climatic and morphological conditions (wind, current, sedimentation, siltation) around the bay enhance the loss of equipment at sea.

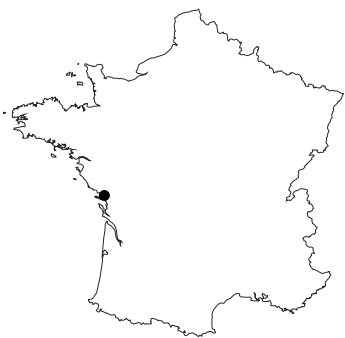
The different ‘zones’ each have their own dynamics, but they also interact with each other – not to mention their effects on human activities, and vice versa.

In this booklet, *End-of-life Debris* from the Bay de L'Aiguillon were studied from their point of collect offshore, but also from their departure point inland. Process diagrams for each were assembled from start to “end”, as it stands currently. Subsequent research into their architectural potential led to the design of new diagrams that redirect their cycles towards the greatest possible reuse.

The ethos of the project is to build from and within a conscious sourcing circle in order to reconnect our habitat with its built heritage, its local trade, and its territory.

LEGEND

- intertidal zone
- river
- town
- city
- site
- wood
- metal
- plastic
- oysters (shells)



a. PIEU DE BOUCHOT

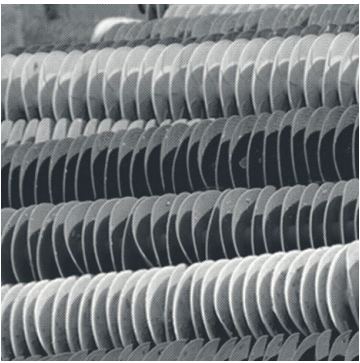
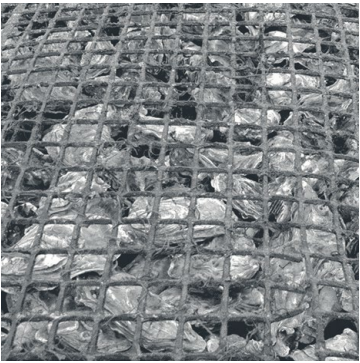
b. HUÎTRE

c. TABLE

d. MAILLE

e. COUPELLE

NEW PRODUCTS



END-OF-LIFE PRODUCTS



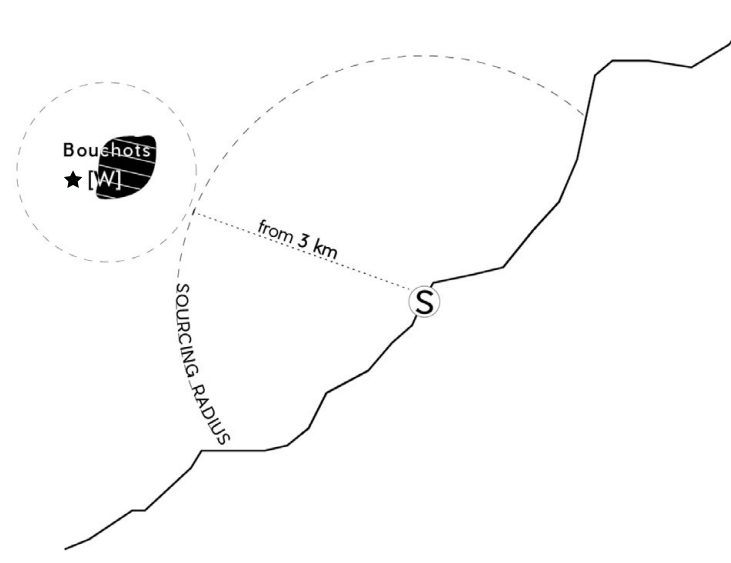
5 SAMPLES OF INTERTIDAL DEBRIS

Pieu de Bouchot
Wood



Fig. a

Material	[W] wood - oak
Dimensions	L 2-8 m; D 0.17-0.35 m
Amount	200 to 350 units/line of 100m
Primal function	oyster support
Anchorage	2m underground
Status (before abandonment)	renewed every ~ 6 yrs



Huître
Shell



Fig. b

[O] oyster shell - calcium carbonate
(mature) H 8-10 cm; L 2-5 cm; W 2-3 cm
1400 tons/100 ha
nutritive (insides)
elevated above water or suspended below
3-4 years life cycle

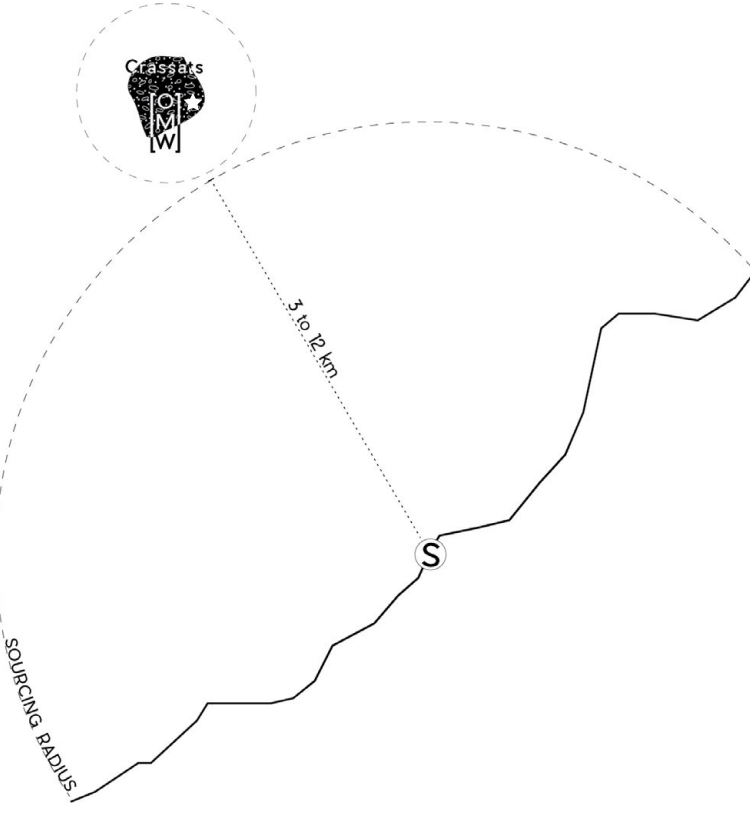


Table ostréicole
Metal

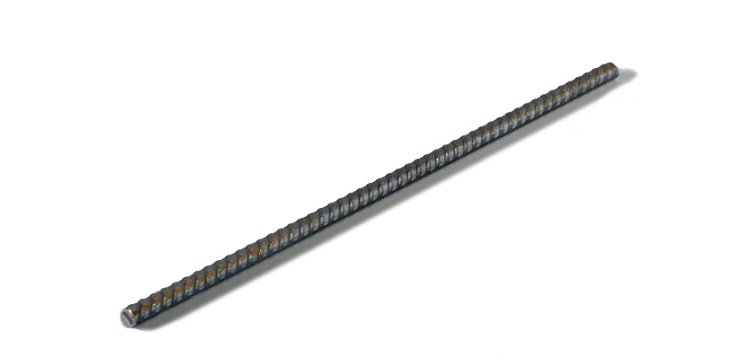
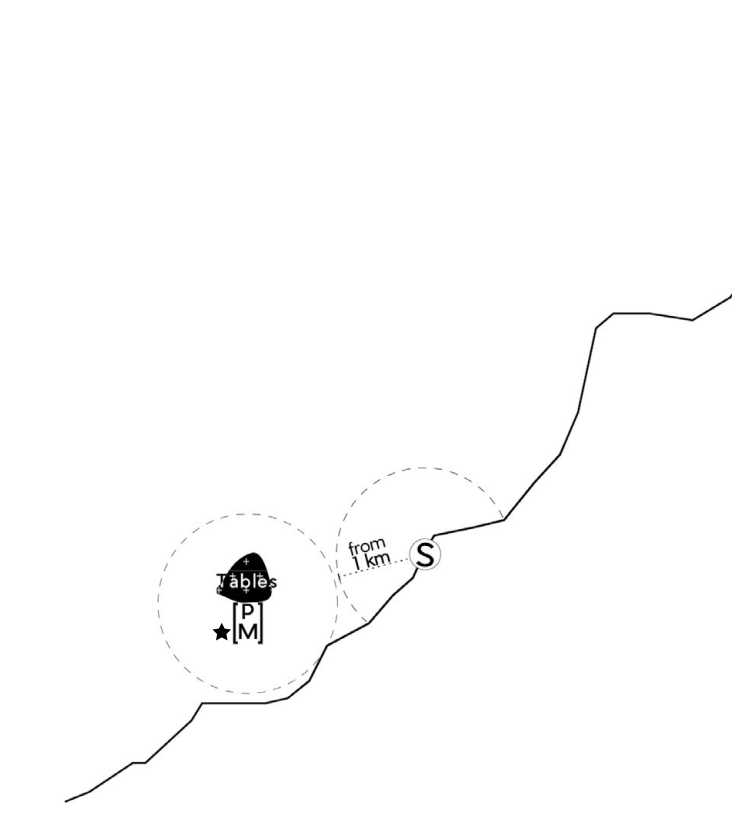


Fig. c

[M] metal - iron
(entire table) H 4 m; L 3 m; W 5 m
hundreds (44 kg/unit)
support oyster bag
lies on silt surface
yearly moving to prevent siltation



Maille

Plastic

Coupelle

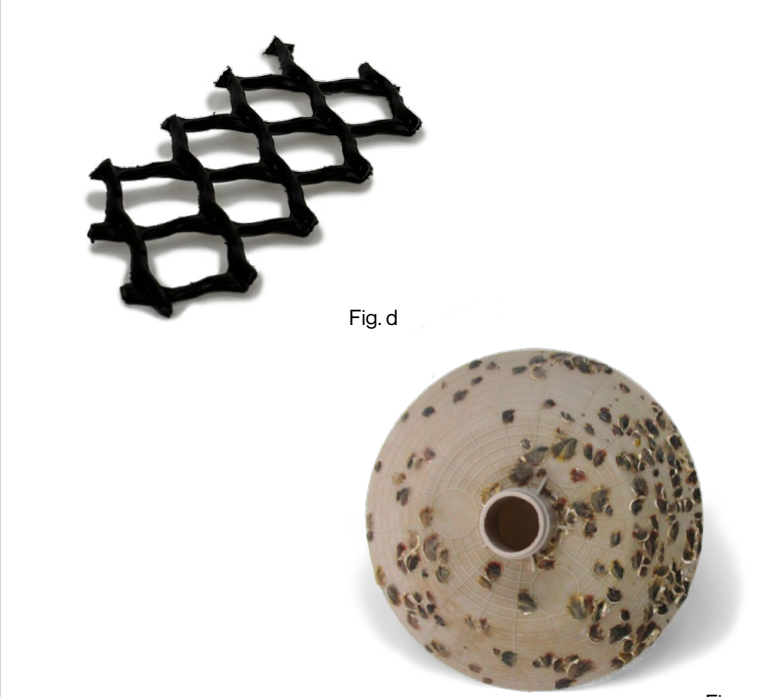
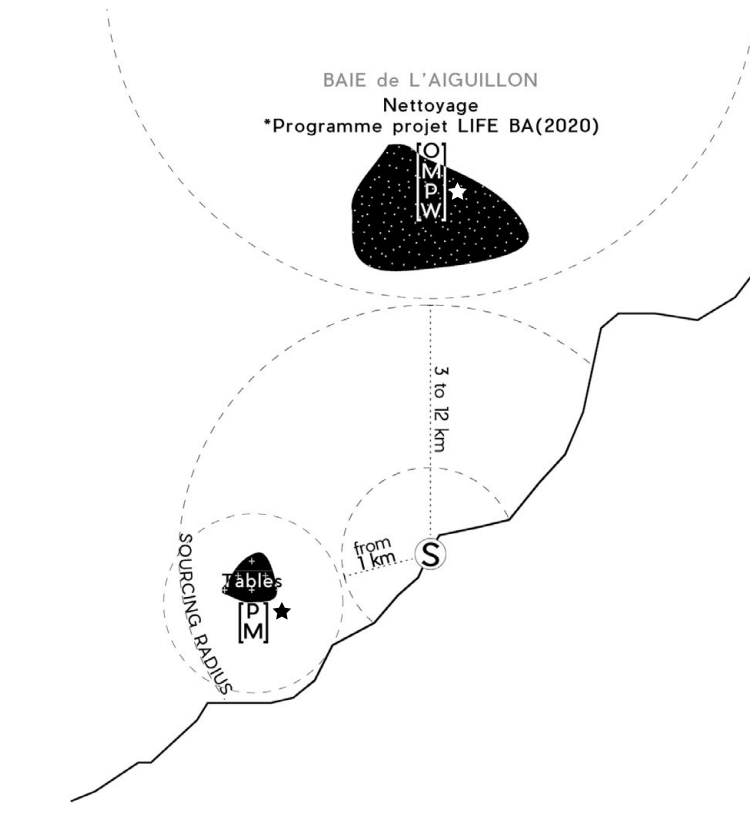


Fig. d

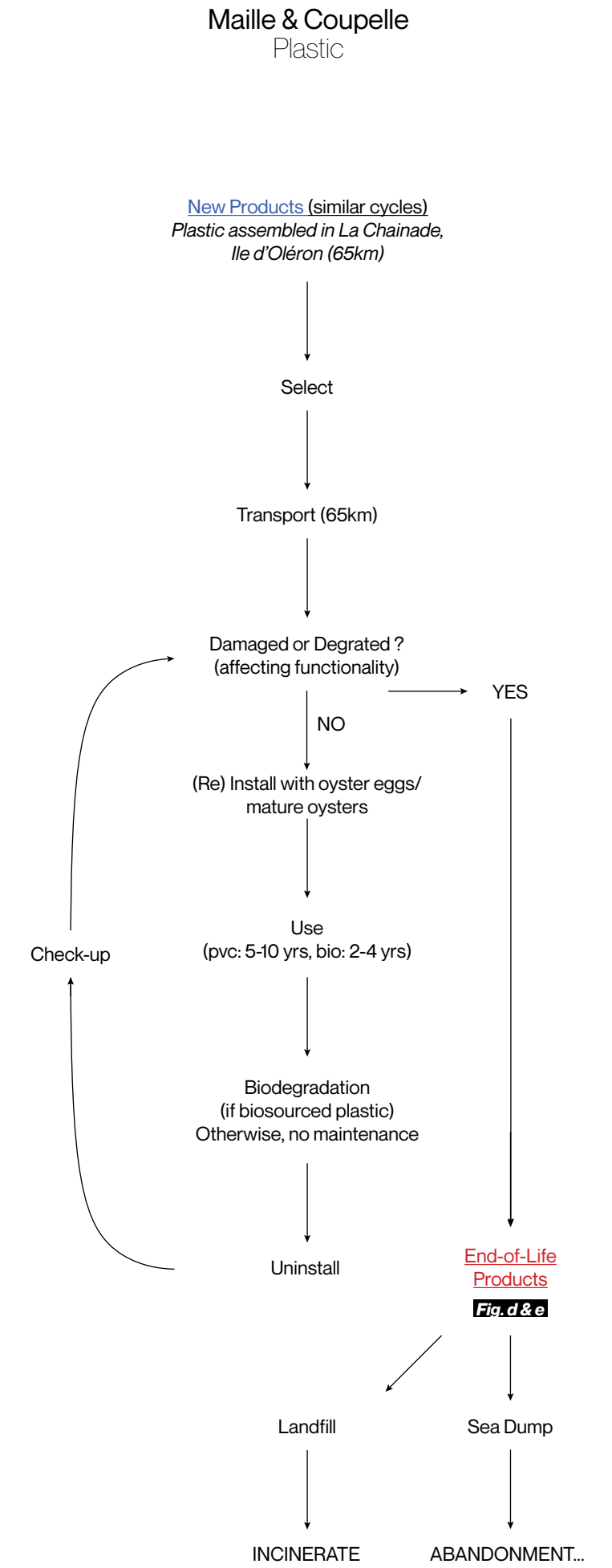
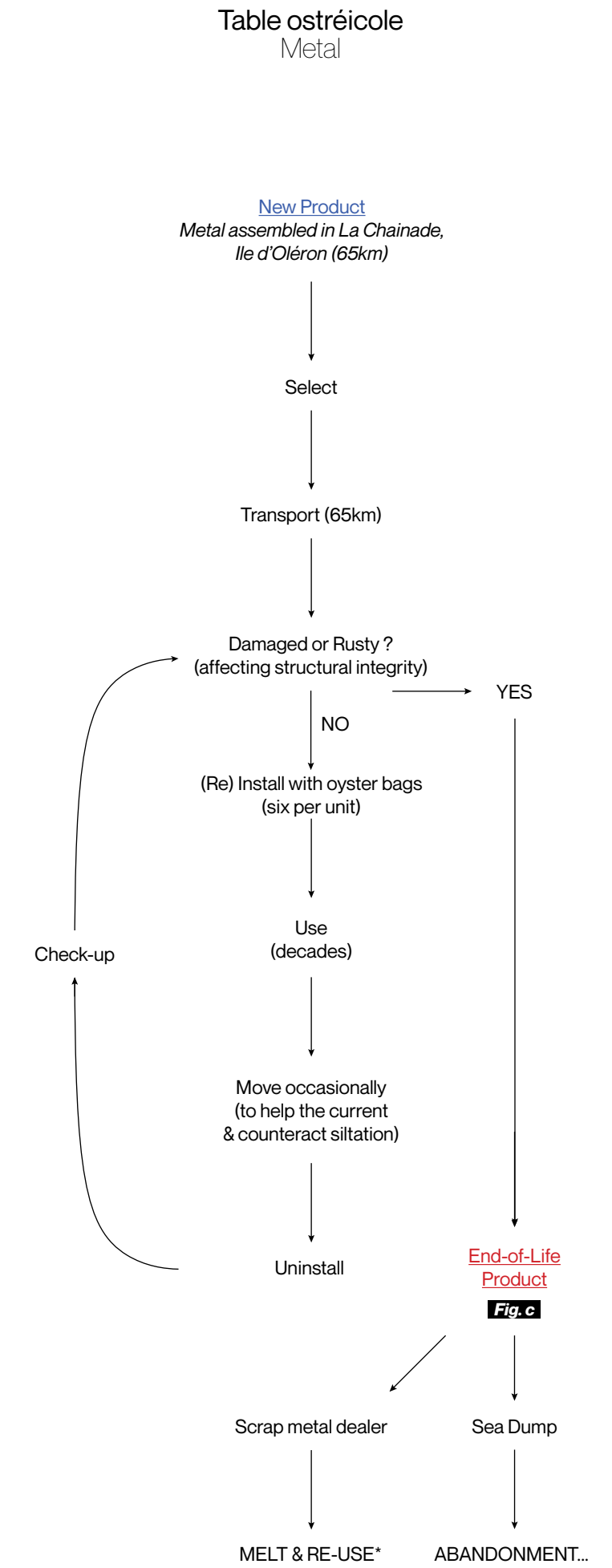
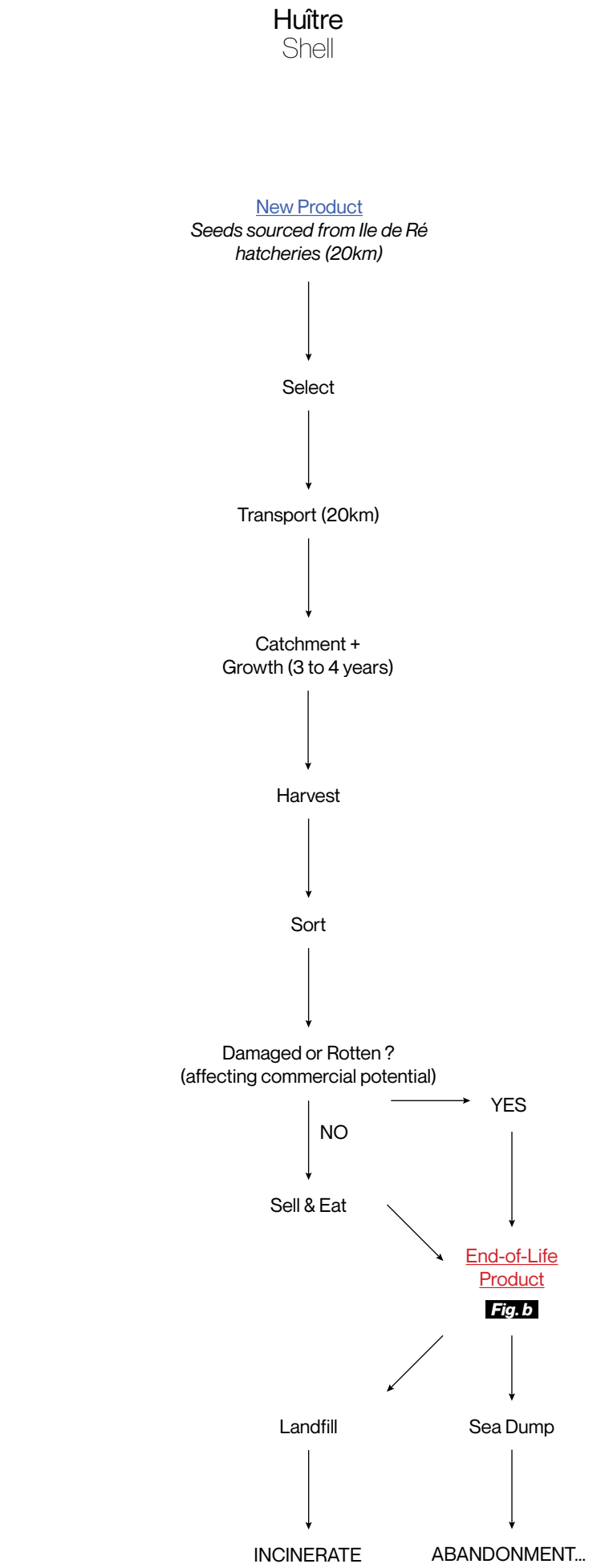
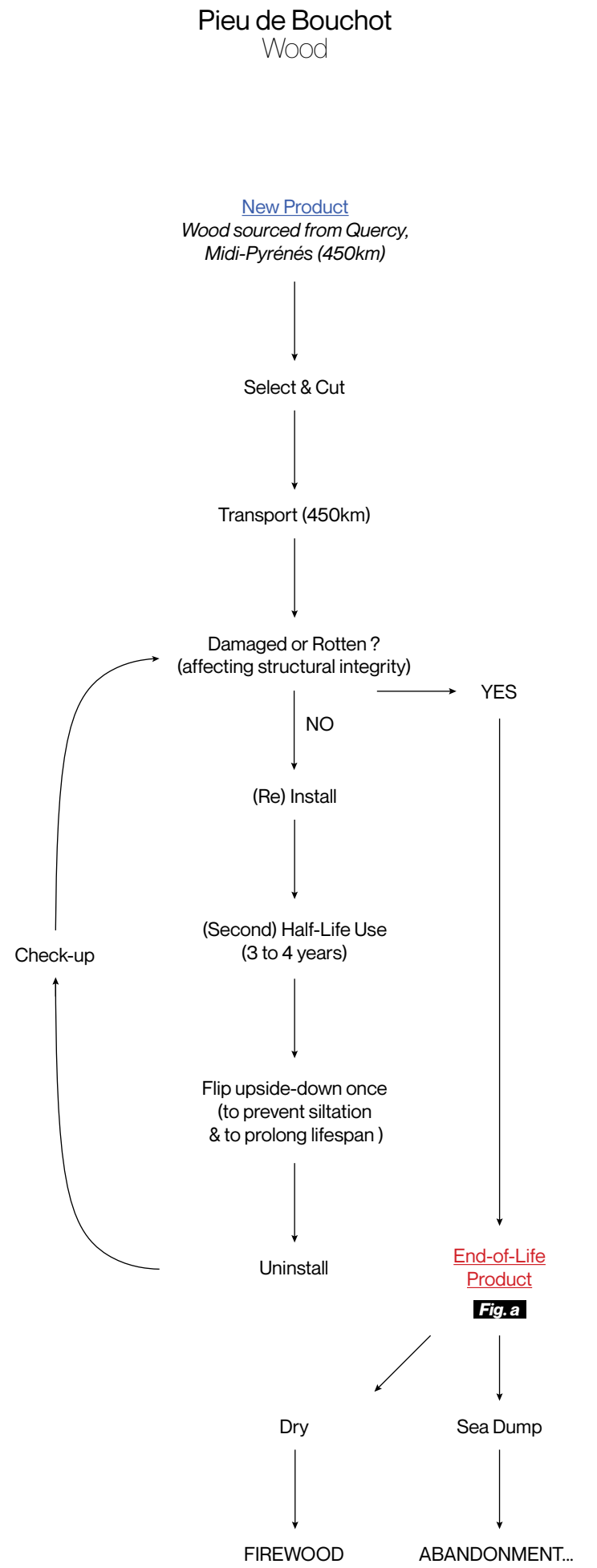
Fig. e

[P] plastic - biosourced (sometimes)	H 1.2 m; L 5 m; W 0.5 m
3 per table	dozens per table
oyster bag (for growth)	oyster seeding support
elevated on table	elevated on table
yearly cleaning	yearly cleaning

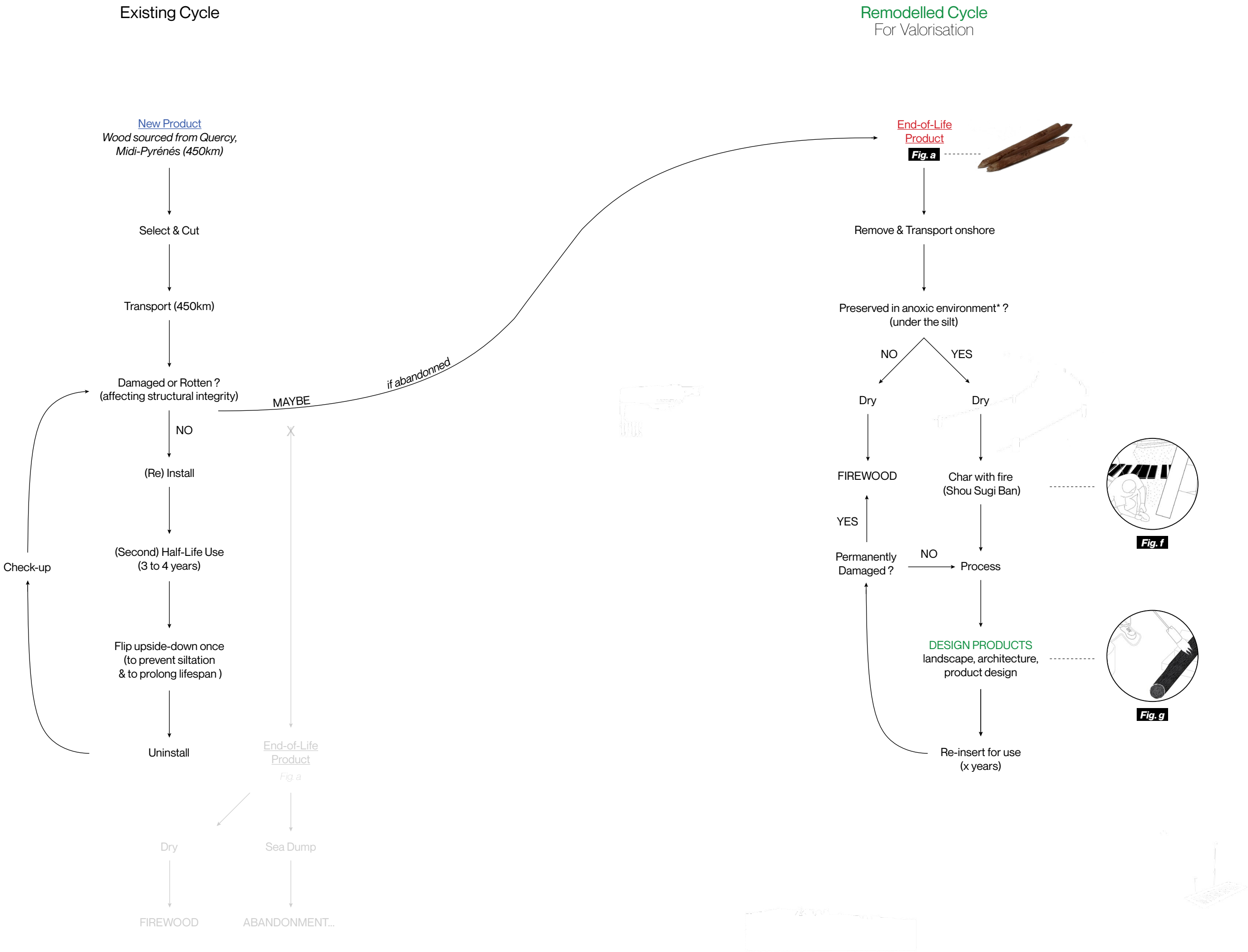


*Figures c-d-e: sample fragment shown

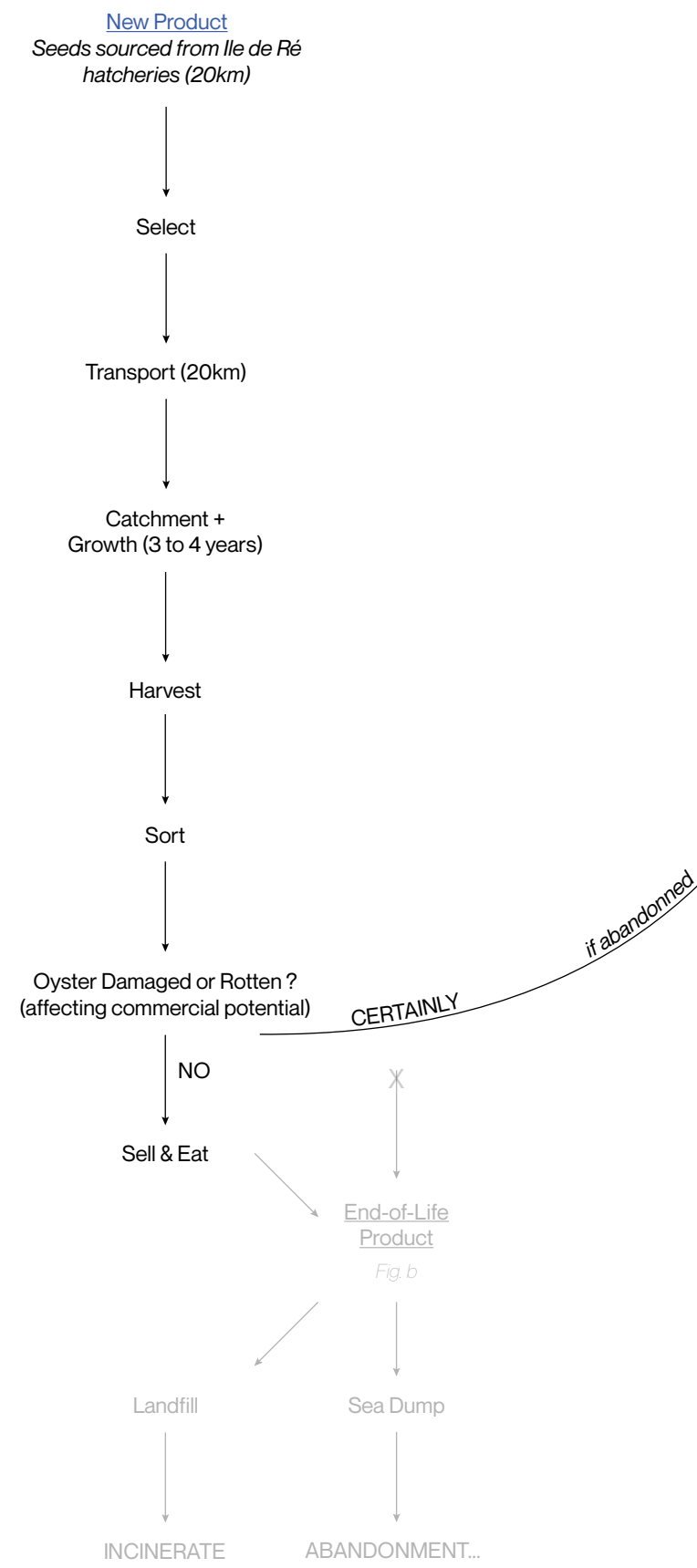
4 LIFE CYCLES OF INTERTIDAL DEBRIS



*Only the metal cycle has a large-scale, regional revalorisation process



Existing Cycle



Remodelled Cycle
For Valorisation

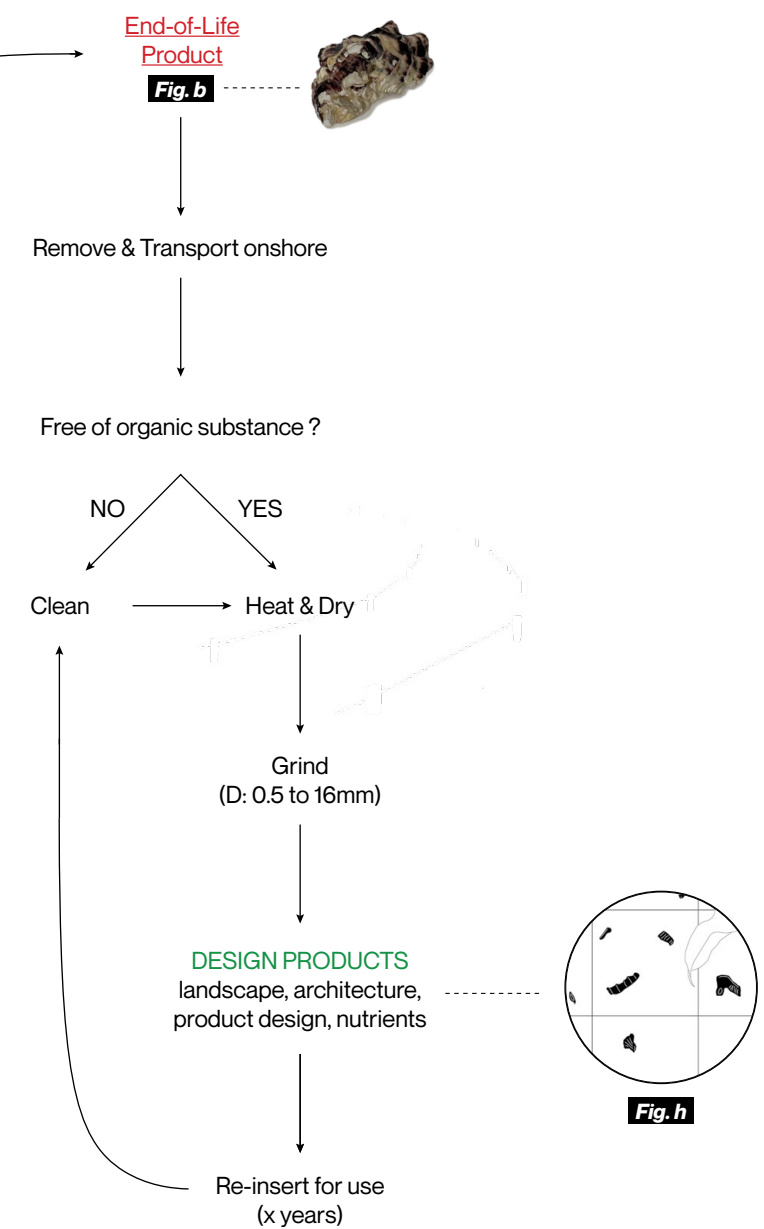


Fig. f

EXTERIOR PLANKS



Charring wood (Yakisugi technique) to increase the resistance to insects, mould and decay

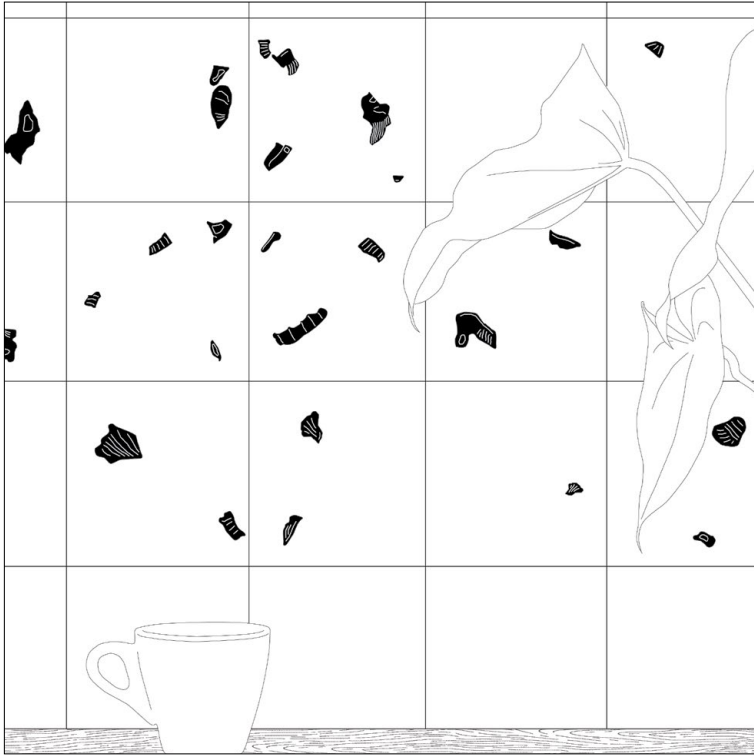
Fig. g

PILE FOUNDATIONS



Fig. h

INTERIOR WALL PANELS & FLOORING



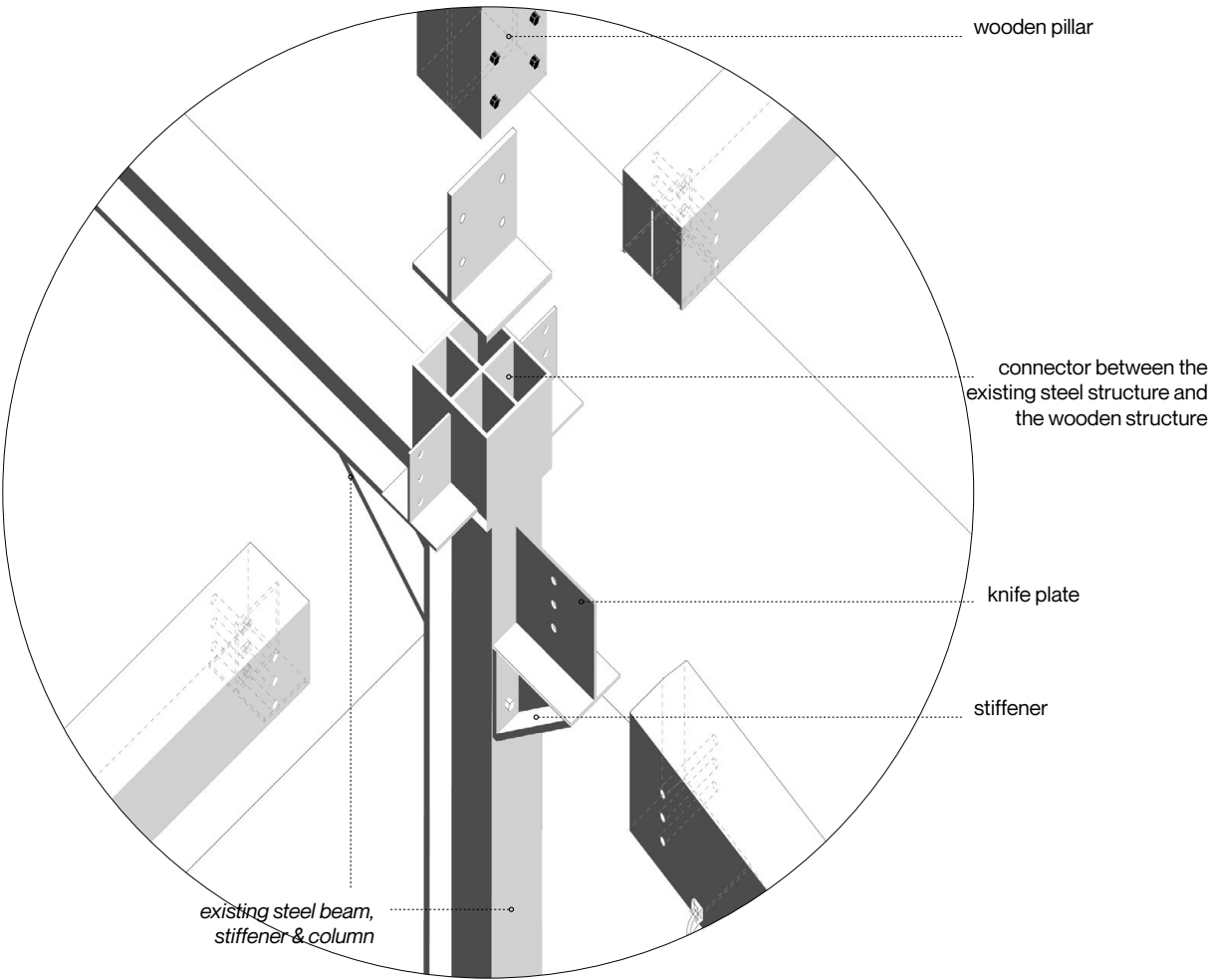
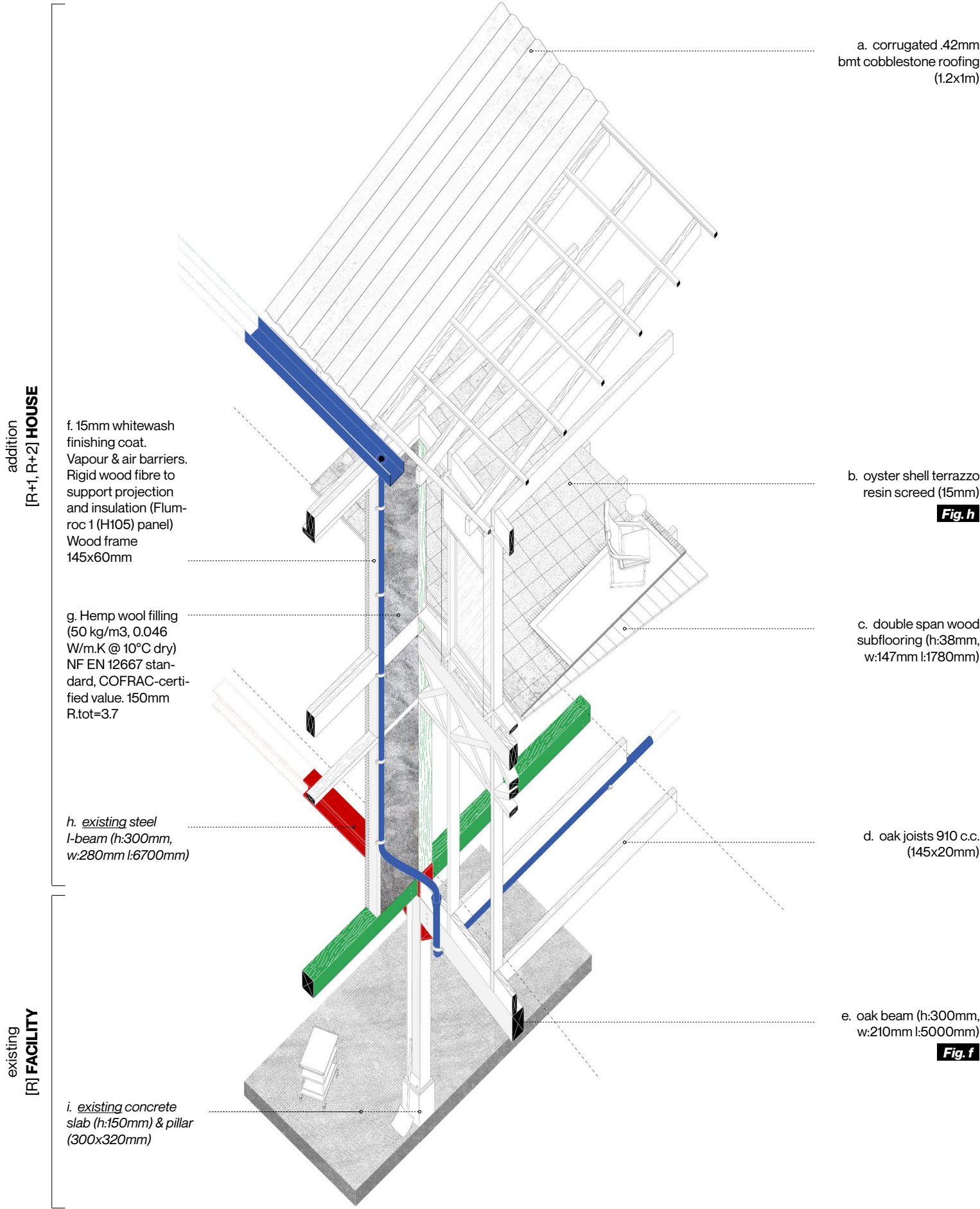
Shell agregate terrazzo & tiles

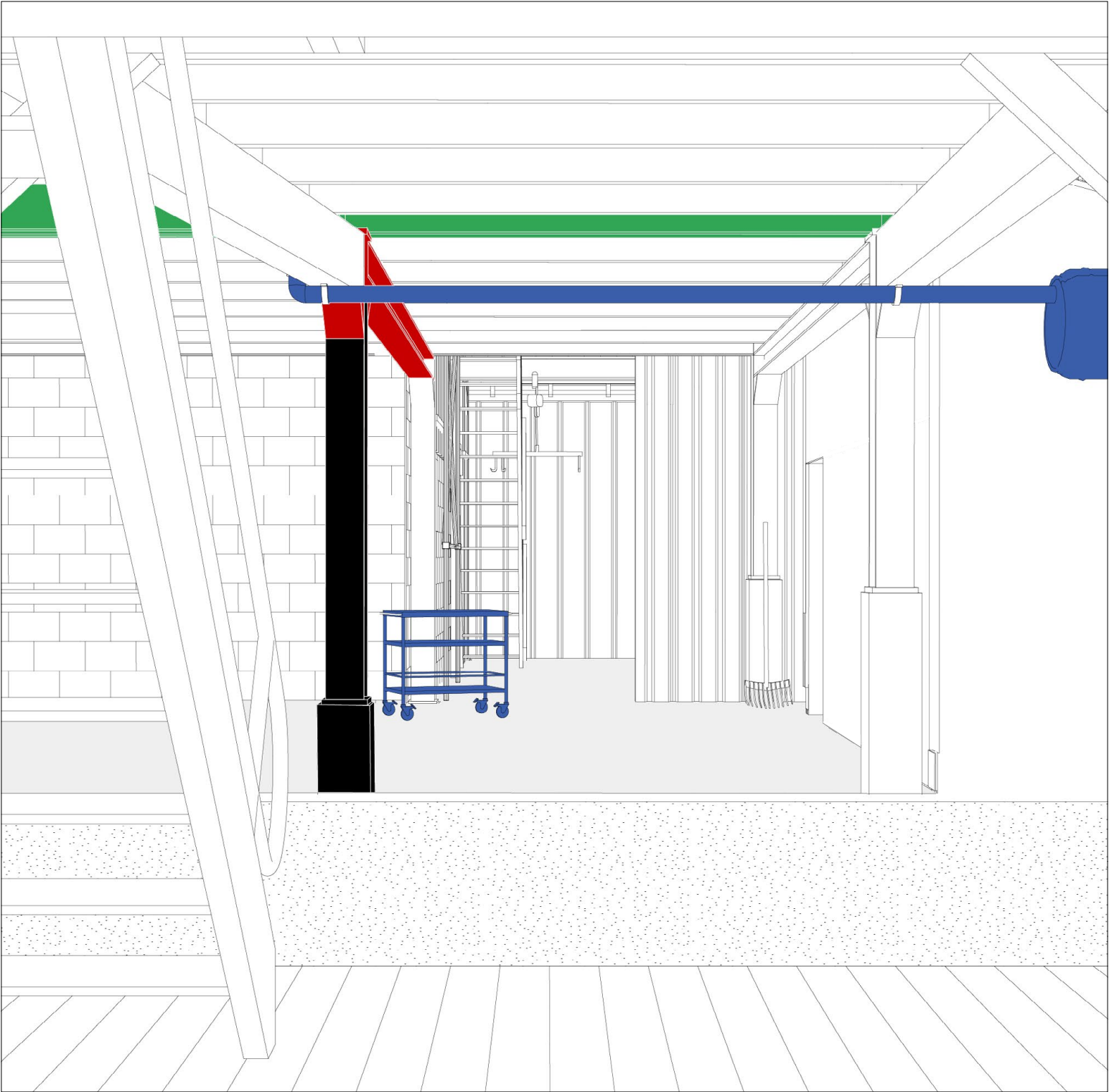
Fig. i

A LARGER EXTRACTION DEVICE



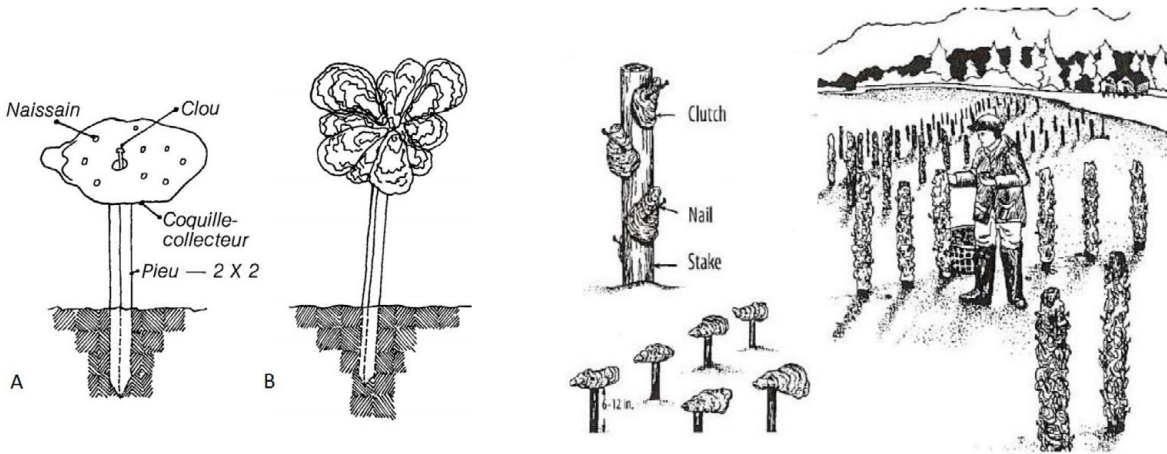
Knitting old oyster nets together







[1] Vue générale d'un parc aux huîtres. A.A Ambulances ou caisses ostréophiles (D'après une photographie)



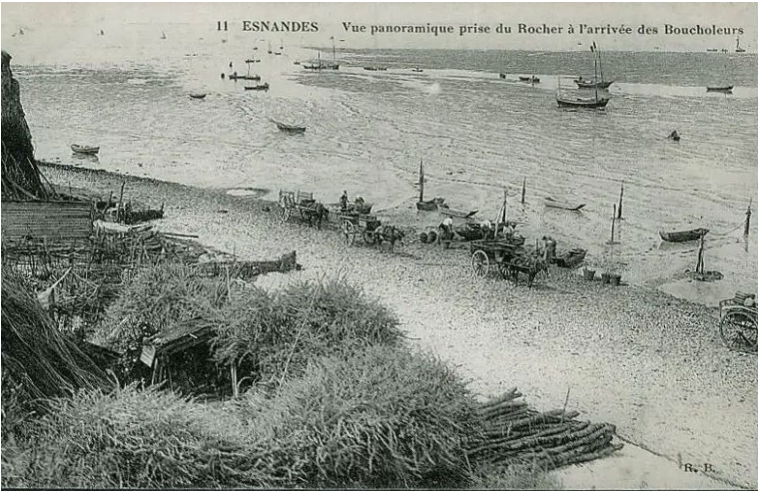
[6] Technique de culture sur pieux. A. Une à une. B. En groupe. 1981.



[2] Le Port d'Esnandes, Environs de La Rochelle. L.C.



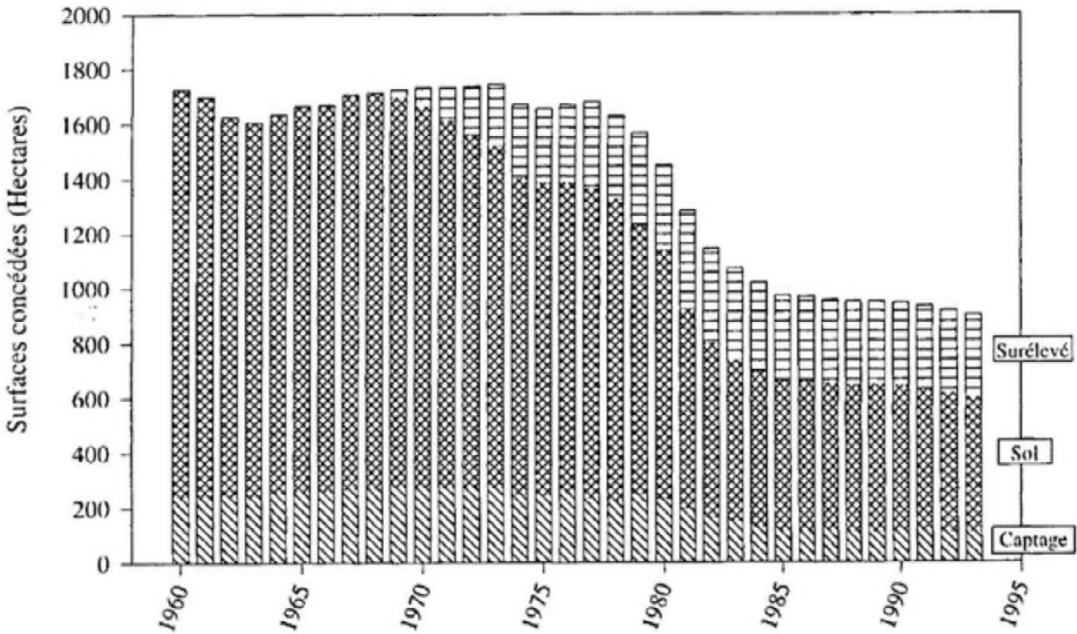
[4] Photographie "d'ambulances" d'huîtres dans le Bassin d'Arcachon. 1909



[3] Esnandes. Vue panoramique prise du Rocher à l'arrivée des Boucholeurs.



[5] Débris. Littoral charentais après la tempête Xynthia en 2010.



[7] Evolutions des surfaces condédées dans les différents modes d'exploitations dans le Bassin d'Arcachon. Bouchet et al., 1997.

