

Preserving Dredging History

P5 presentation
MSc3/4 – Revitalising Maritime Heritage

Contents

1.

Introduction

2.

**Problem
statement**

3.

Research

4.

Design

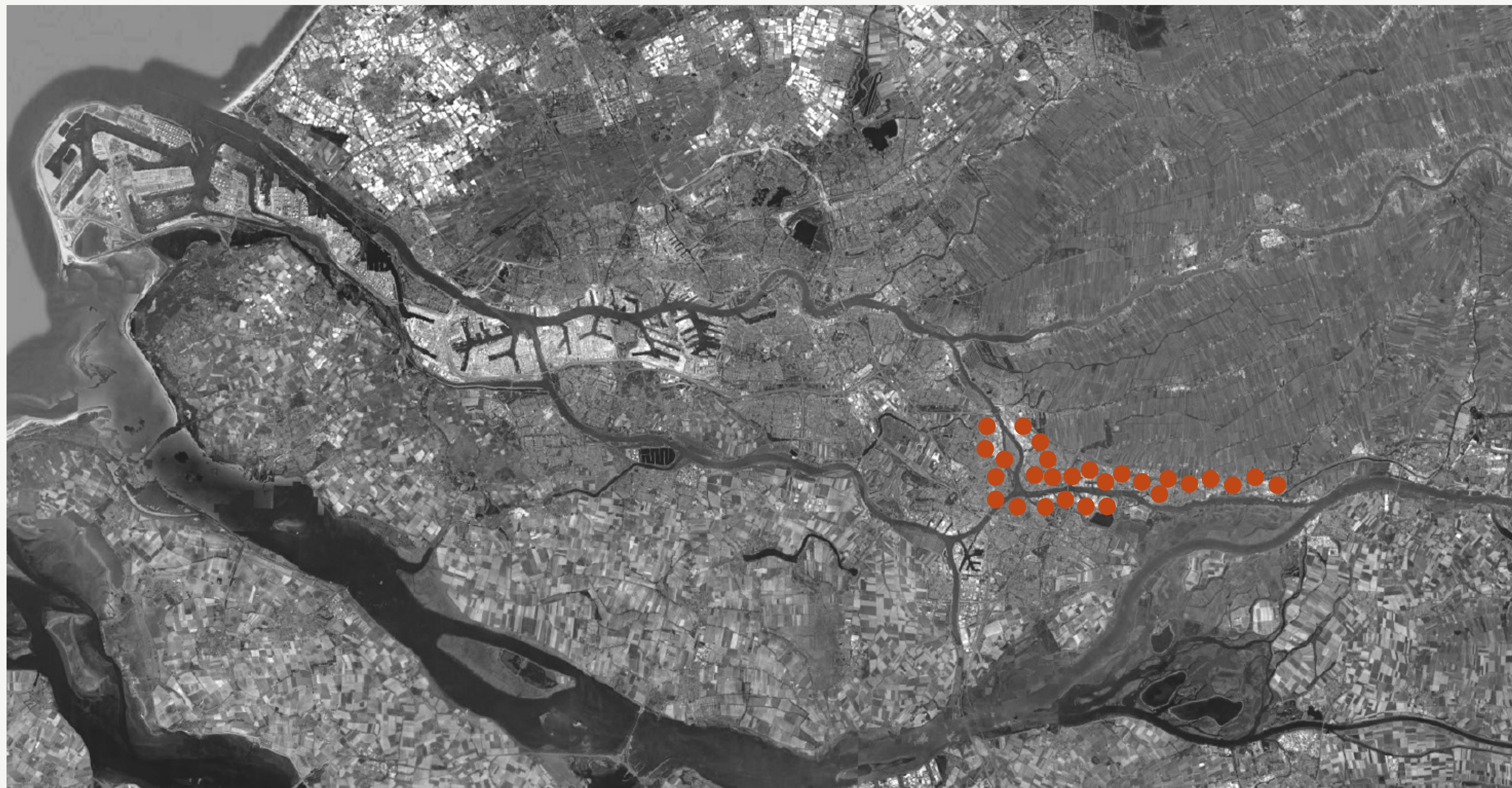
5.

Conclusion

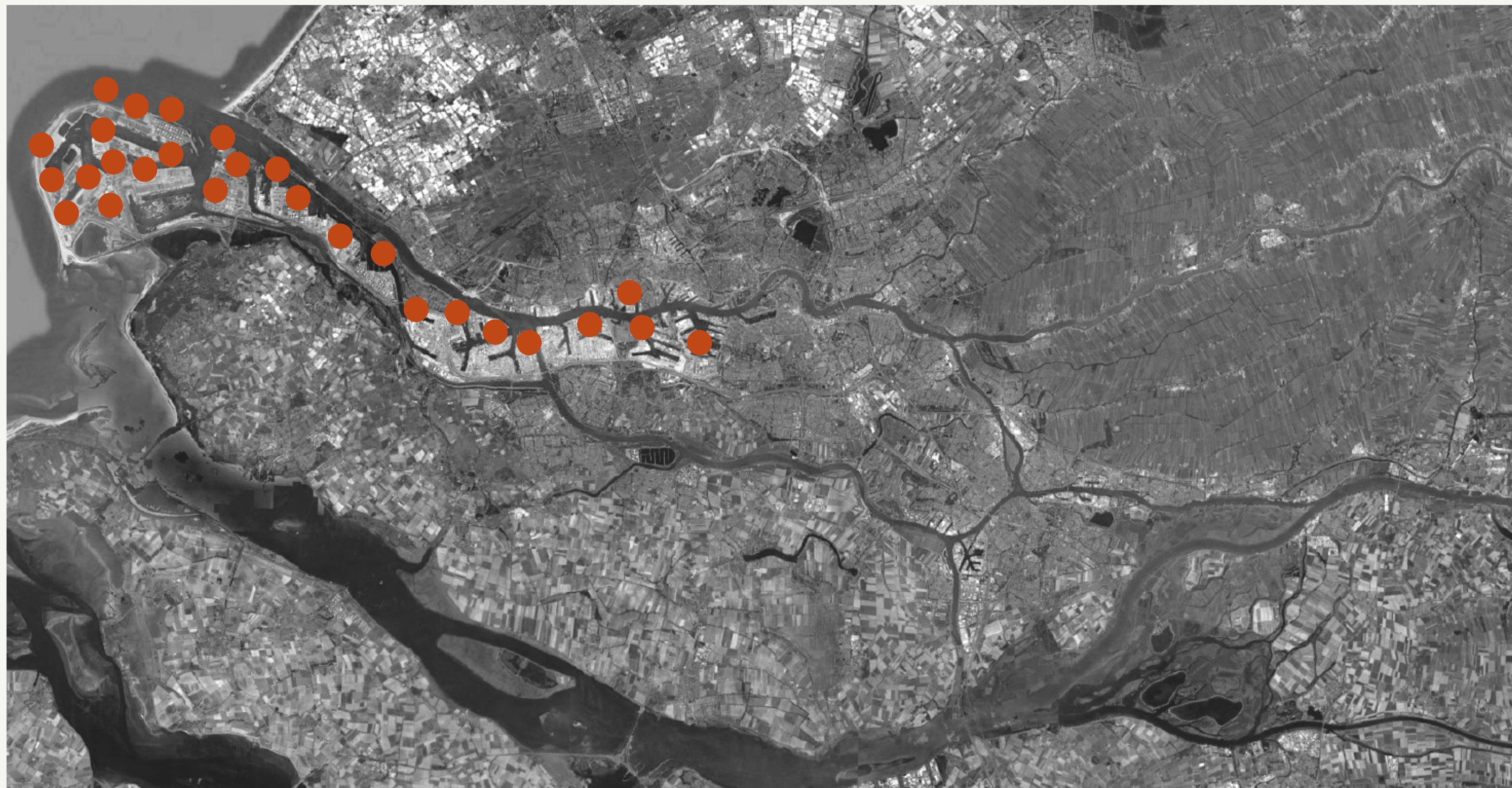
Heritage line Maritime Industry



Heritage line Maritime Industry



Heritage line Maritime Industry



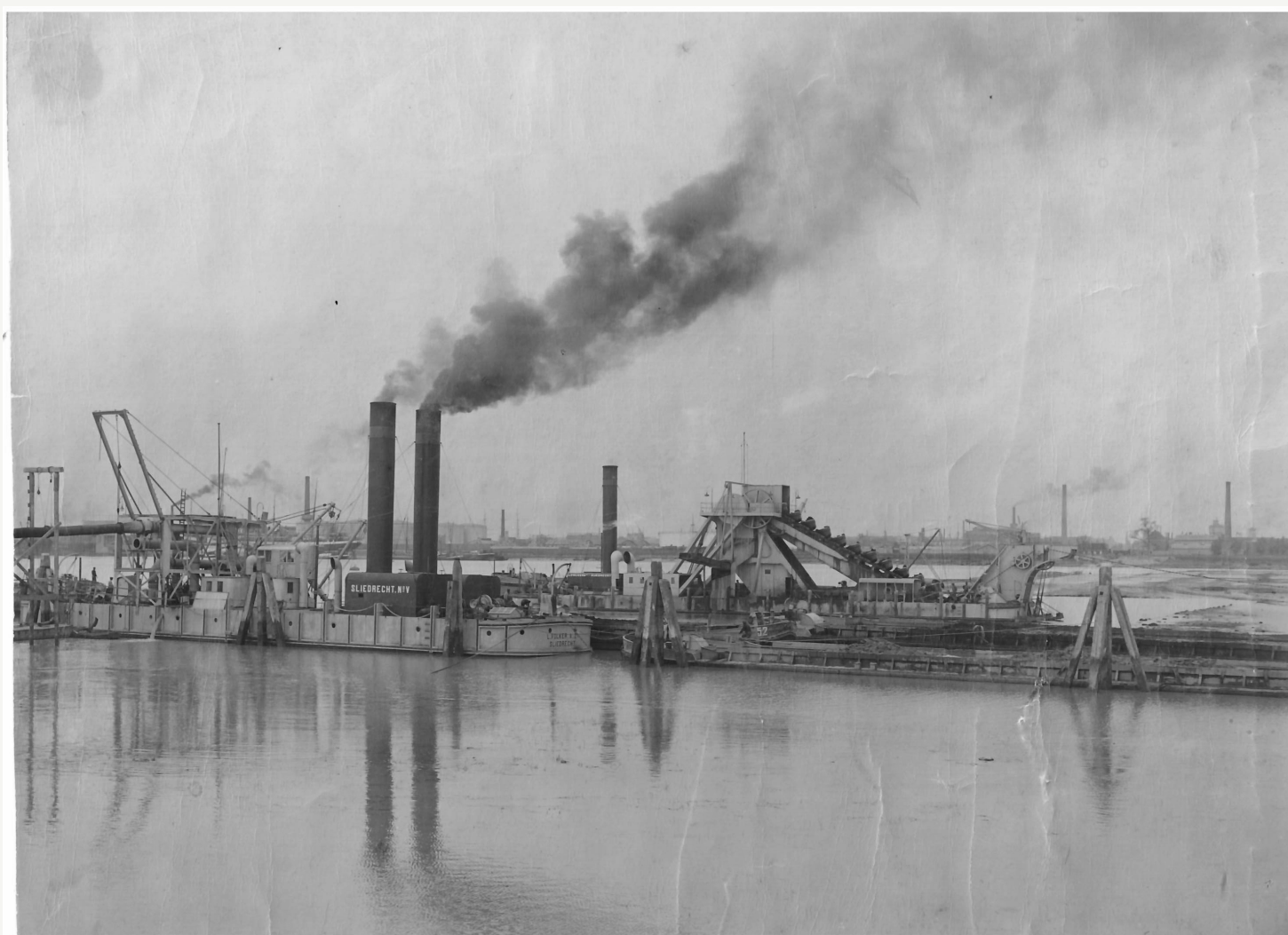
Heritage line Maritime Industry



Sliedrecht



Sliedrecht



Het Plaatje



The National Dredging Museum





Director's house, around 1930



The National Dredging Museum, around 1980

Volker





Adriaan Volker I



Molendijk around 1900

— J.&K. Smit's Scheepswerven N.V. Kinderdijk. —														
Baggerwerktuigen, enz. gebouwd voor:														
Volker & Bos		Volker												
Bouw-jaar	Bouw-nr	Naam	Bouw-nr	Naam	Soort	Hoofdafm. in m.			Inhoud in m³		Bagger-opp. in m²	Vermogen in PK		
						L	B	H	in L	in B		in m		
1878	180	Nieuwe Maas II			Baggermolen	37.00	5.50	2.60			—	8.50		
"	181	Adam I			Hopperzuiger	32.50	6.10	2.60			—			
"	183	Adam II			"	34.00	7.80	3.00			200	7.50	150	
"	191	Nieuwe Waterweg			Schroefboot	30.00	5.00	2.30			—	—	125	
1880	332	Adam III			Hopperzuiger	42.00	8.30	3.25			315	11.00	200	
1881	339	Maasmond VI			"	34.00	7.80	3.00			200	7.50	150	
1882	355	" VII			"	34.00	7.80	3.00			200	7.50	150	
"	356	" X			"	34.00	7.80	3.00			200	7.50	150	
"	357	" XI			"	34.00	7.80	3.00			200	7.50	150	
"	358	" XII			"	34.00	7.80	3.00			200	7.50	150	
"	359	Boulogne			"	42.00	8.30	3.25			315	11.00	200	
"	361	Maasmond XIV			"	34.00	7.80	3.00			200	7.50	150	
"	362	Adam VI			"	42.00	8.30	3.25			315	11.00	200	
1883	375	Adam VII			"	42.00	8.30	3.25			315	11.00	200	
1885	397	Umuiden			"	42.00	8.30	3.25			315	11.00	200	
1886	404	Kameleon			Hopper-baggermolen	45.00	9.50	3.75	350	300	—	460		
"	405	Maasmond XV			Hopperzuiger	34.00	7.80	3.00			200	7.50	150	
1889	428	Rotterdam			Sleepboot	52.00	9.00	3.75			—	—	—	
1900			521	Rijnhaven	Elevator	15.00	15.00	2.00	60	—	—	100		
1901	525	Noord-Holland			Baggermolen	43.00	6.50	3.15	550	—	13.00-14.00	340		
"	526	Noordzee			Hopperzuiger	54.50	9.00	4.55	—	550	14.00	450		
"			535	Nº 18	Elevatorbak	36.00	6.30	2.50	—	200	—	—		
"			536	Nº 26	"	36.00	6.30	2.50	—	200	—	—		
1905			576	Sliedrecht III	Profiel-en-bakkenz.	34.50	6.50	2.80	—	—	18.00	300		
1906	587	Noord-Holland			Baggermolen	43.00	7.50	3.15	600	—	13.00-14.00	175		
1907			604	Sliedrecht IV	Bakkenzuiger	42.00	8.50	3.25	—	—	—	700		
"			605	Merwede	Baggermolen	43.00	7.50	3.15	600	—	13.00-14.00	200		
1909			630	Hollandsch Diep	"	43.00	8.00	3.15	600	—	13.00-14.00	250		
1911			639	Merwede	"	43.00	8.25	3.15	600	—	14.00-15.00	260		
1912			653	Schelde	"	50.00	9.00	3.50	800	—	16.00-17.00	350		
"			654	Sliedrecht VI	Bakkenzuiger	44.00	10.00	3.80	—	—	—	1200		
1913			661	Kil	Baggermolen	50.00	9.00	3.50	800	—	16.00-17.00	350		
"			662	Sliedrecht VIII	Culler-en-bakkenz.	50.00	10.50	3.80	—	—	16.00	1150		
1914			669	Geopotes I	Hopperzuiger	60.00	10.00	5.00	—	770	17.50	700		
"			670	" II	"	60.00	10.00	5.00	—	770	17.50	700		
1915			678	Waal	Baggermolen	50.00	9.00	3.50	800	—	16.00-17.00	350		
"			679	Geopotes III	Hopperzuiger	60.00	10.00	5.00	—	770	17.50	700		
1923			702	" IV	"	60.00	10.00	5.00	—	800	17.50	600		
1928			732	Sliedrecht IX	Bakkenzuiger	45.00	10.50	4.00	—	—	—	1500		
1929			740	Rijn	Baggermolen	50.00	9.00	3.50	800	—	16.00-17.00	350		
1947			802	Maasmond	"	50.00	9.50	3.50	800	—	16.00-17.00	350		

Vol 600

Equipment book



Renovation and addition in 1980



National Dredging Museum
Small in size and in reach



Ground floor exposition, circa 1980



Ground floor exposition, 22 October 2024

Lack of modernisation



Exposition room first floor



Information desk

Outdated furniture



Picture inside the lock in the Boardroom



Framed picture in the Boardroom

Disconnected artefacts

Intangible Cultural Heritage (ICH)

The *intangible cultural heritage* means the *practices, representations, expressions, knowledge, skills* – as well as the *instruments, objects, artefacts and cultural spaces* associated therewith – that communities, groups and, in some cases, individuals recognise as part of their cultural heritage.

This *intangible cultural heritage*, transmitted from *generation to generation*, is constantly recreated by communities and groups in *response to their environment*, their interaction with nature and their history, and provides them with a *sense of identity and continuity*, thus promoting respect for cultural diversity and human creativity.



Volunteer Bas telling about a rescue of refugees in Vietnam during his work on a dredging ships



Team of volunteers at the National Dredging Museum

Research Question

How can *intangible cultural heritage*, focusing on the dredging history, be *translated into design choices* for the new design of the National Dredging Museum to ensure its *preservation* for future generations?



The UNESCO Convention for the Safeguarding of the Intangible Cultural Heritage, 2003



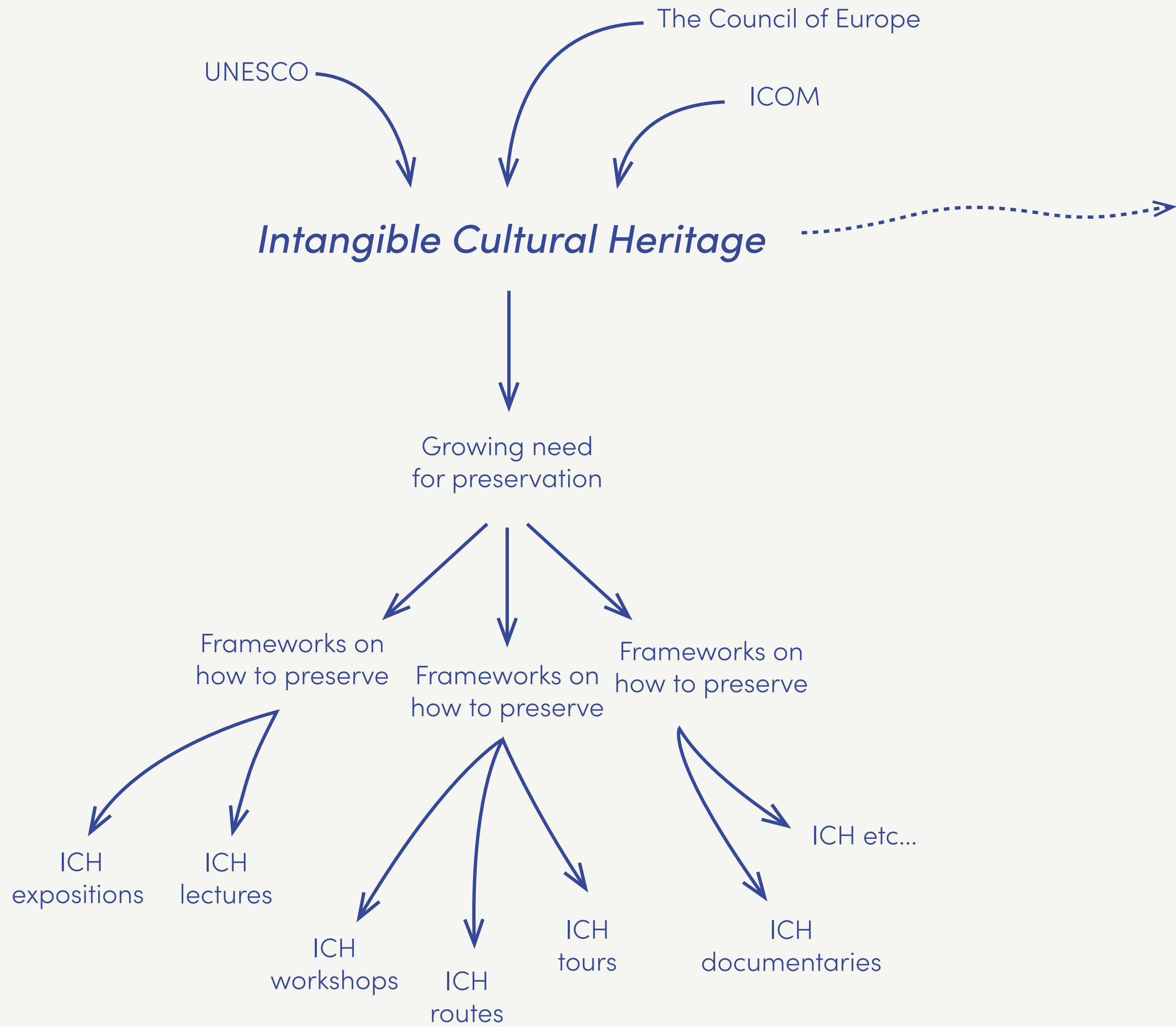
The Faro Convention on the Value of Cultural Heritage for Society, 2005



Brandgrens Rotterdam



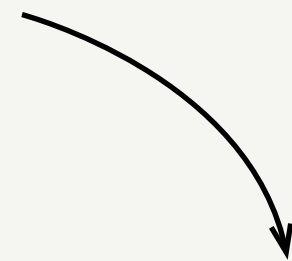
Stolpersteine (struikelstenen)



Intangible Cultural Heritage in the National Dredging Museum



(nieuwe)



het nationaal
BAGGERMUSEUM



Museum
Offices

Director's
House

New National
Dredging Museum

Dredging Garden

Museum Park

RSW terrain

Future expansion

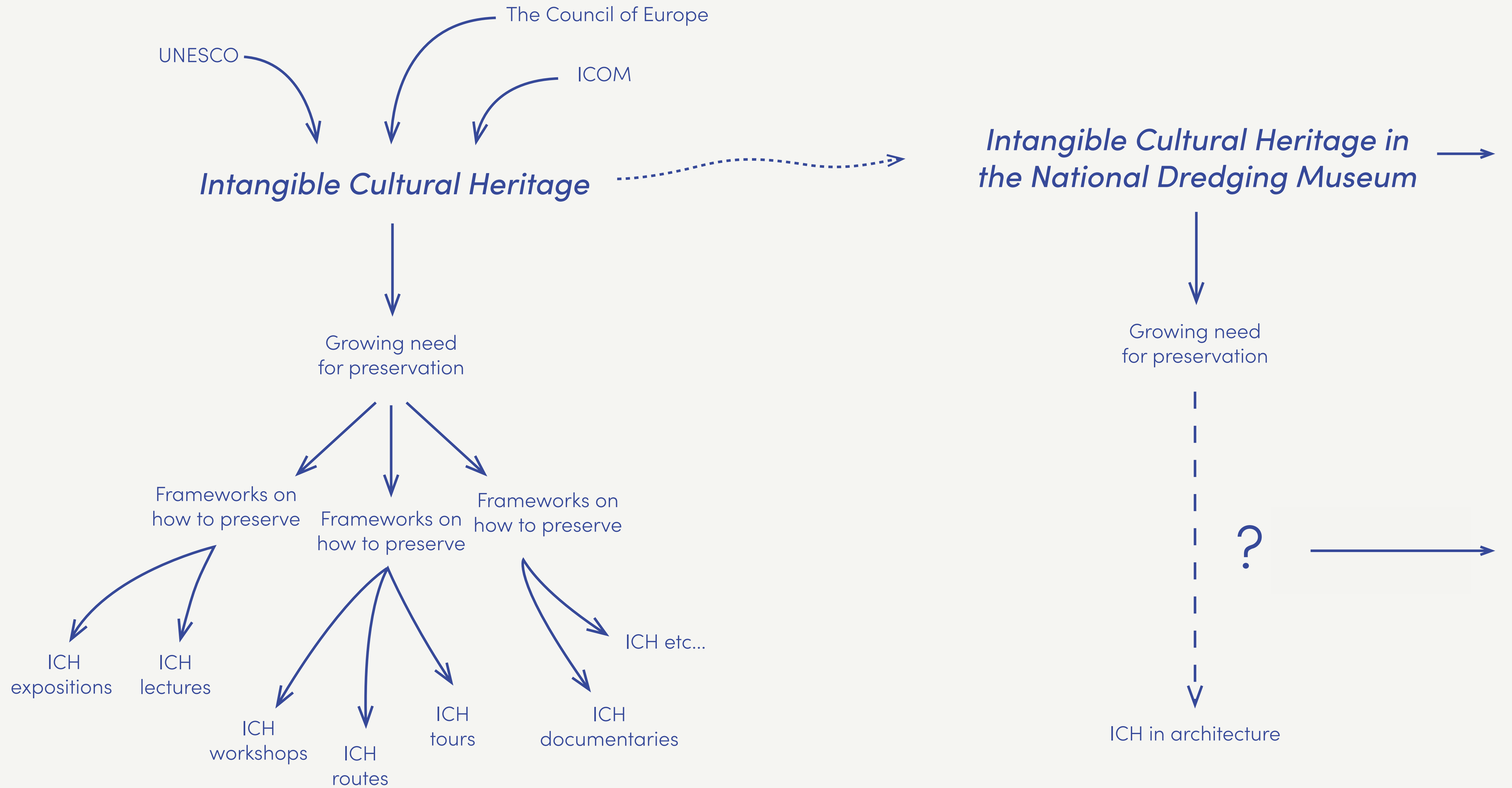
Maritime
Startups

Water bus stop

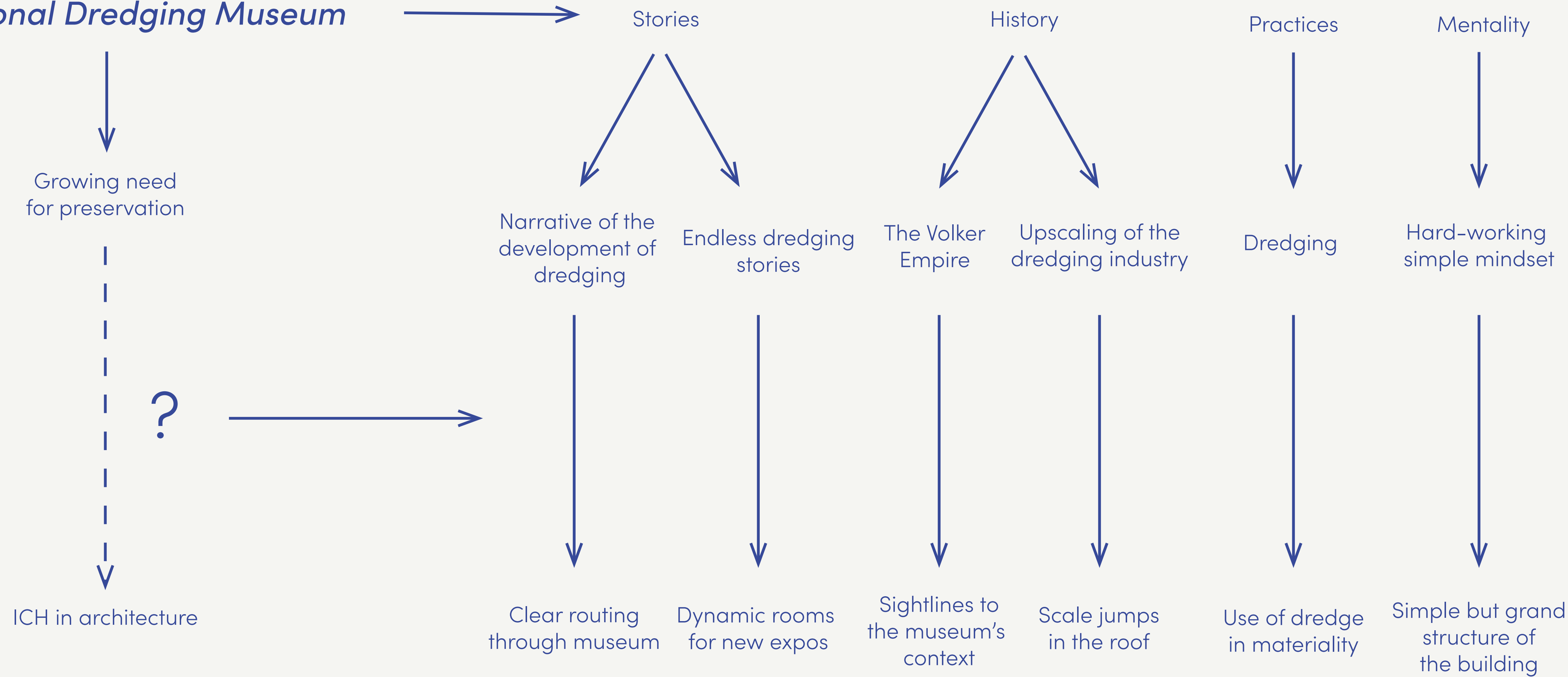




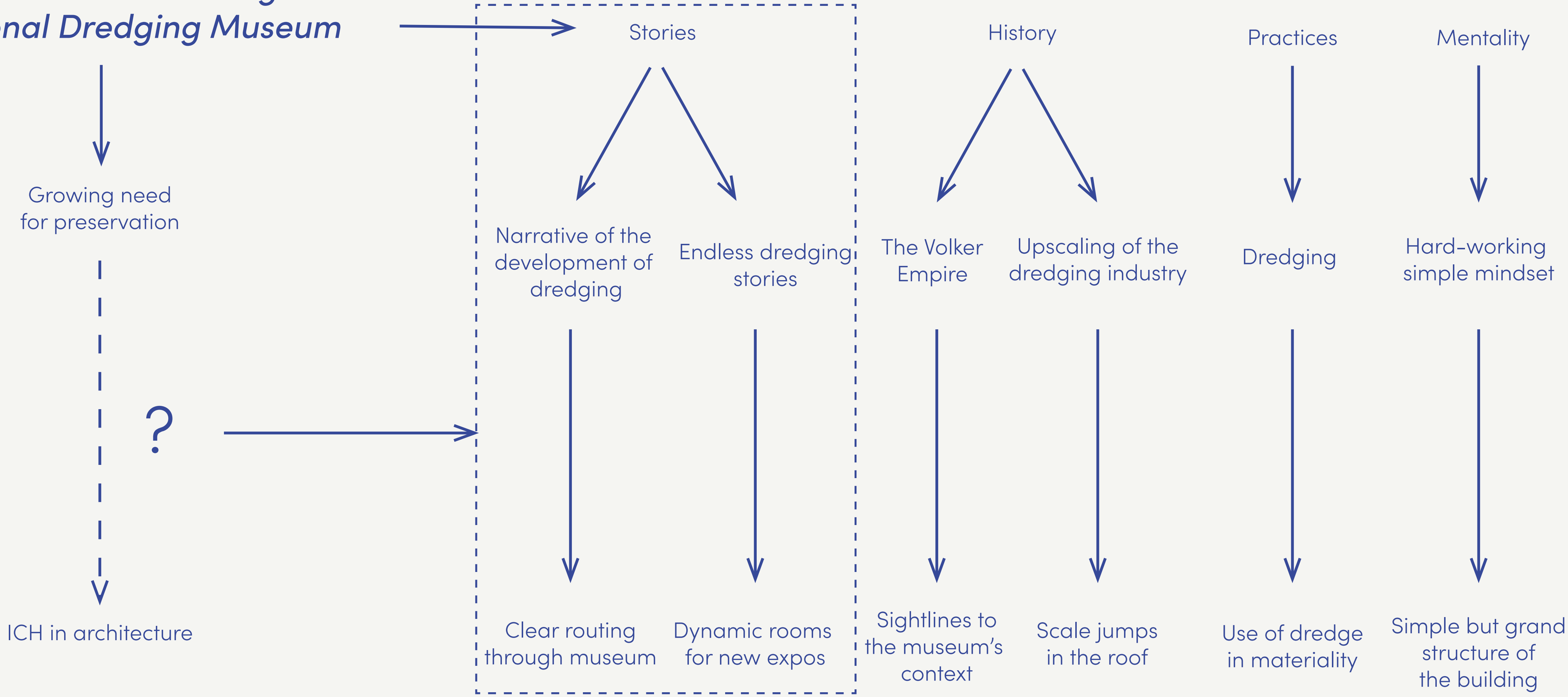




*Intangible Cultural Heritage in
the National Dredging Museum*



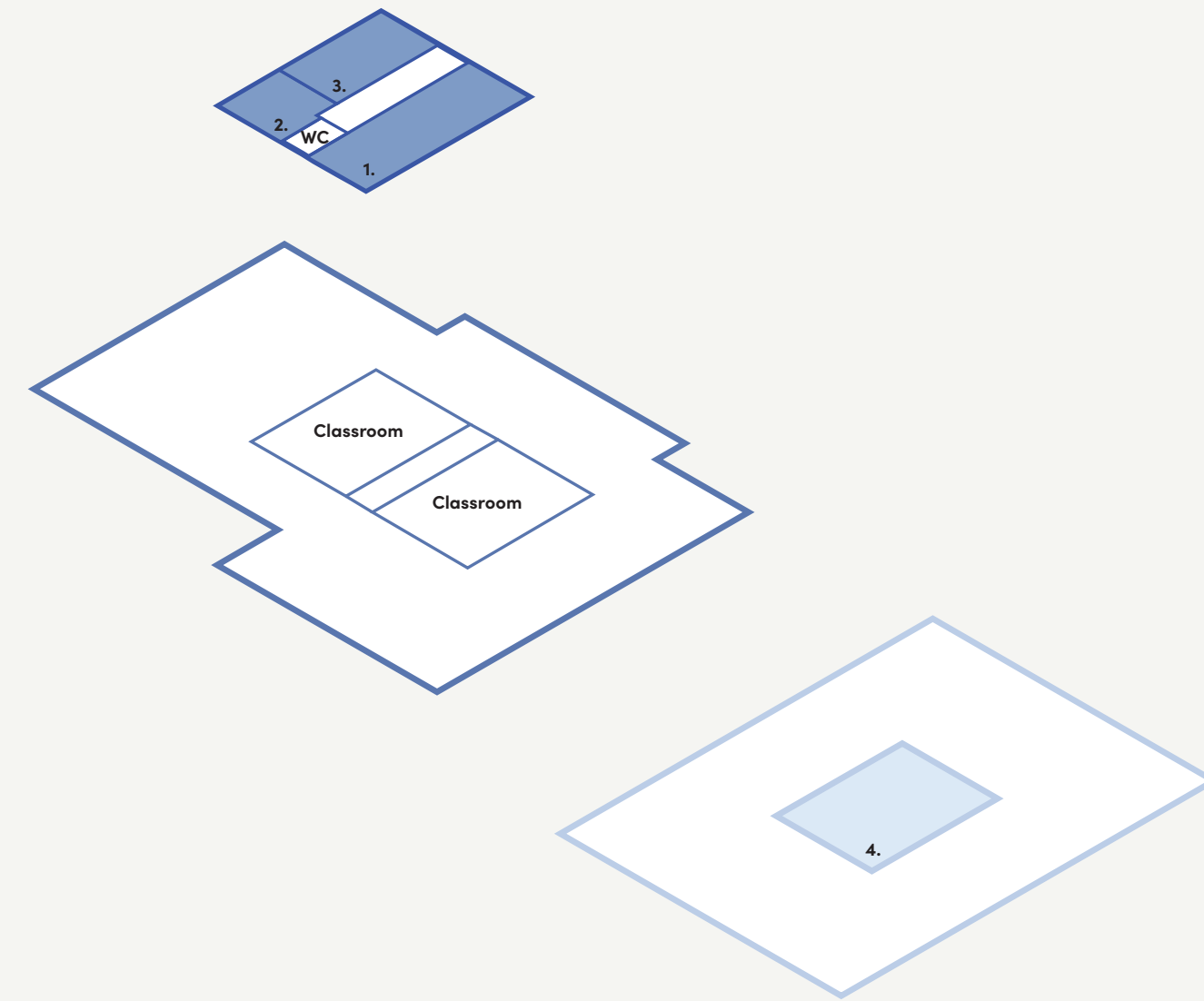
*Intangible Cultural Heritage in
the National Dredging Museum*



FLOORPLAN

+1

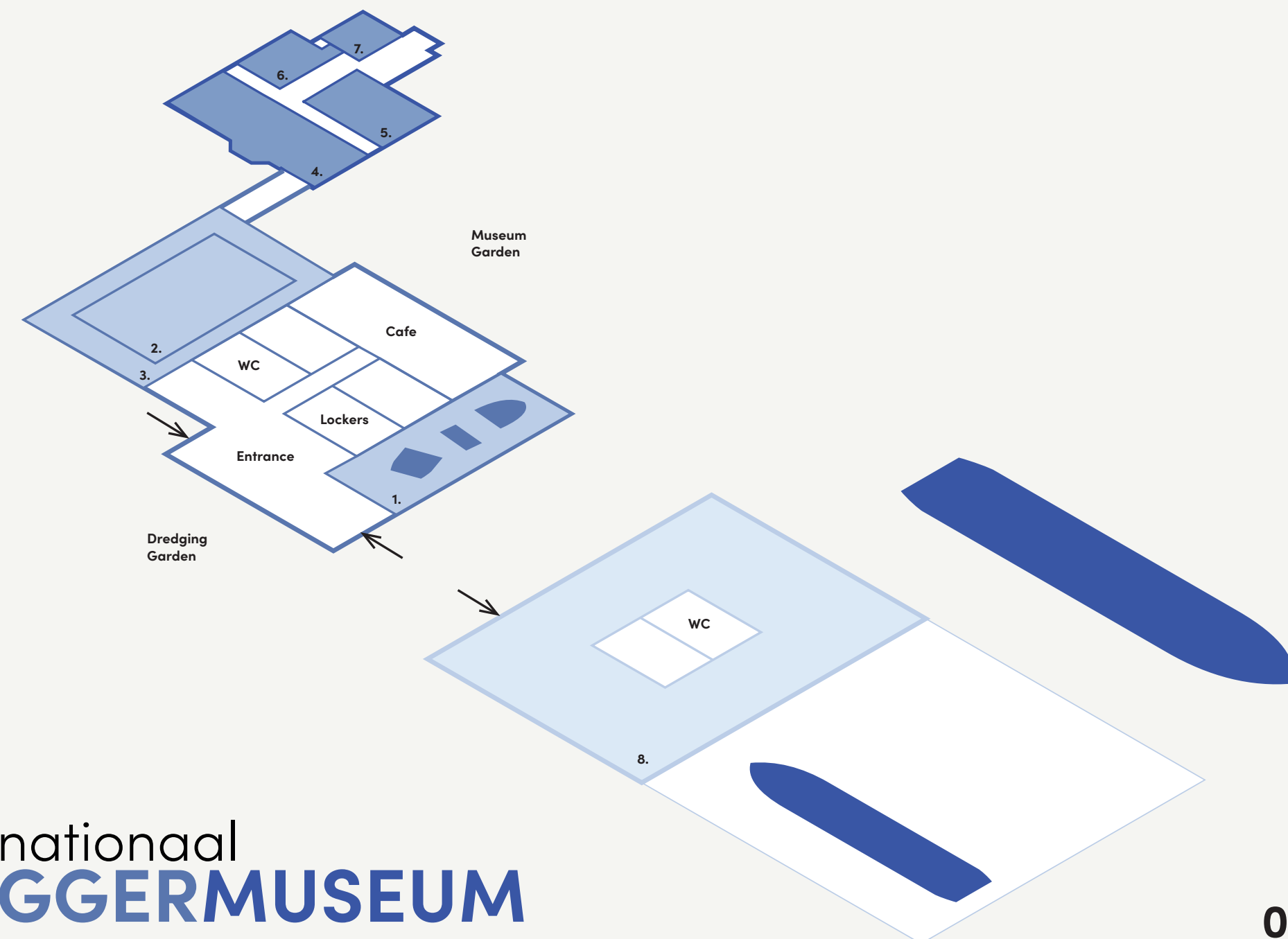
1. Expo hall
2. Expo hall
3. Expo hall
4. Archive



+1

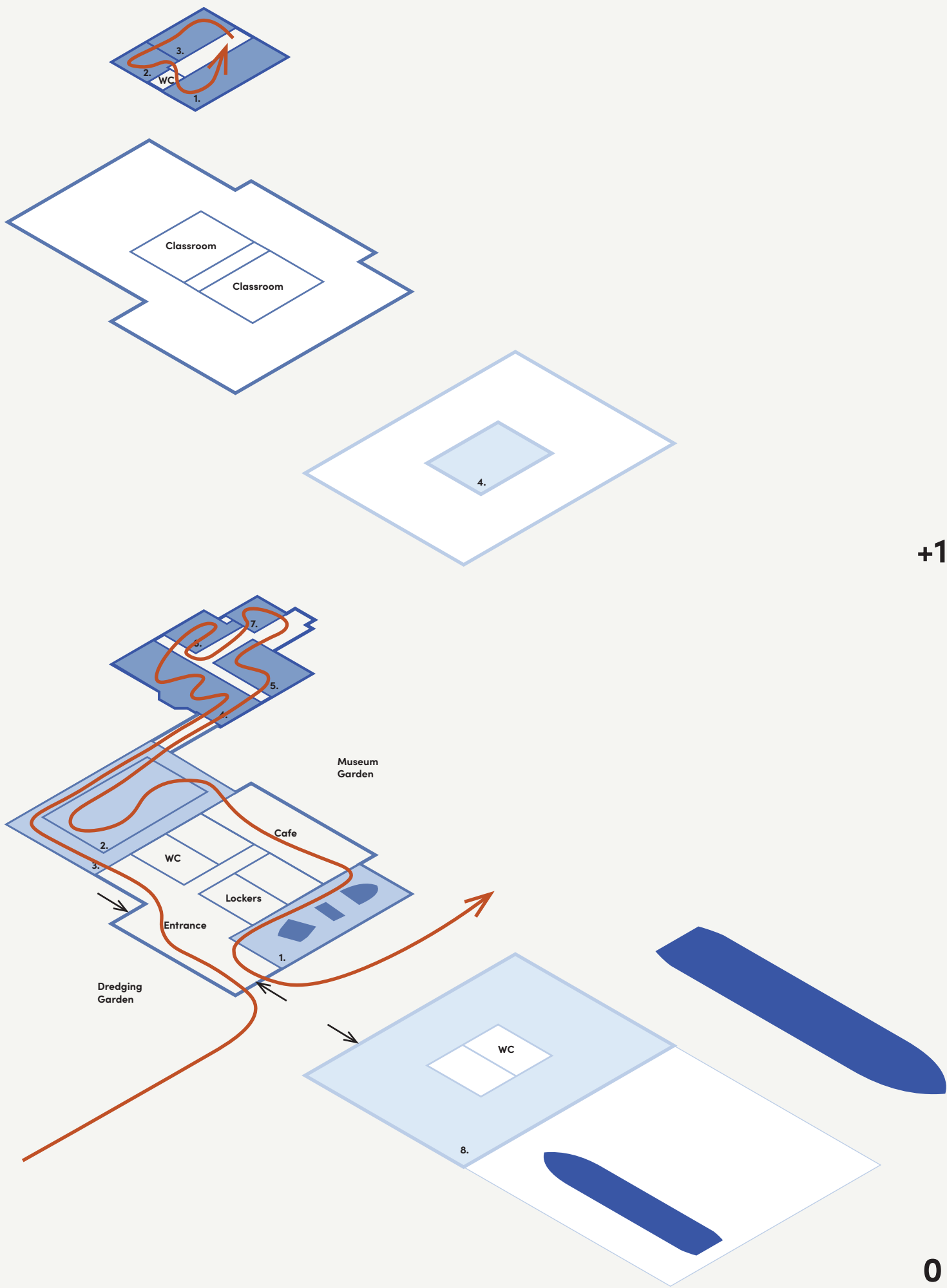
0

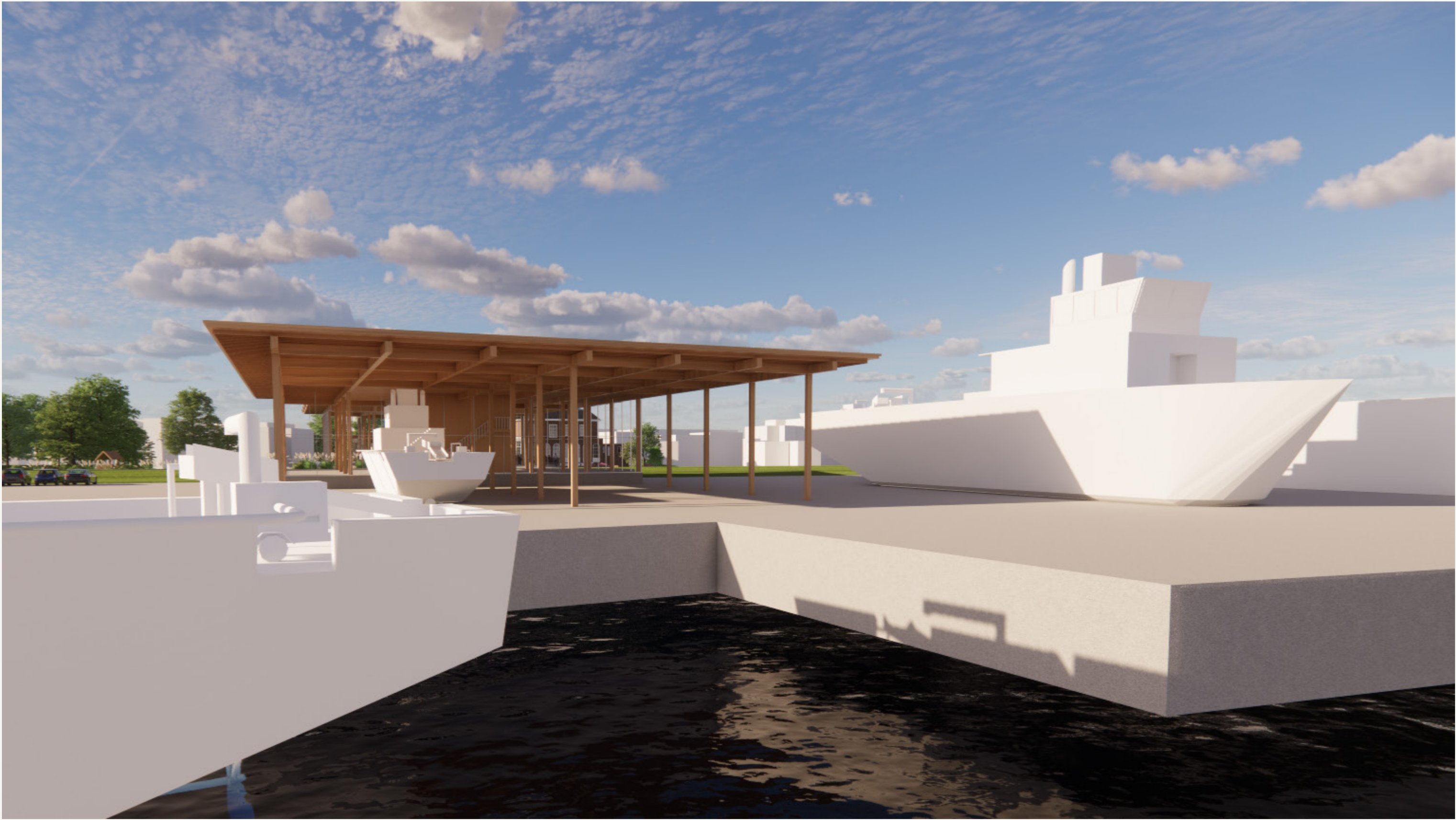
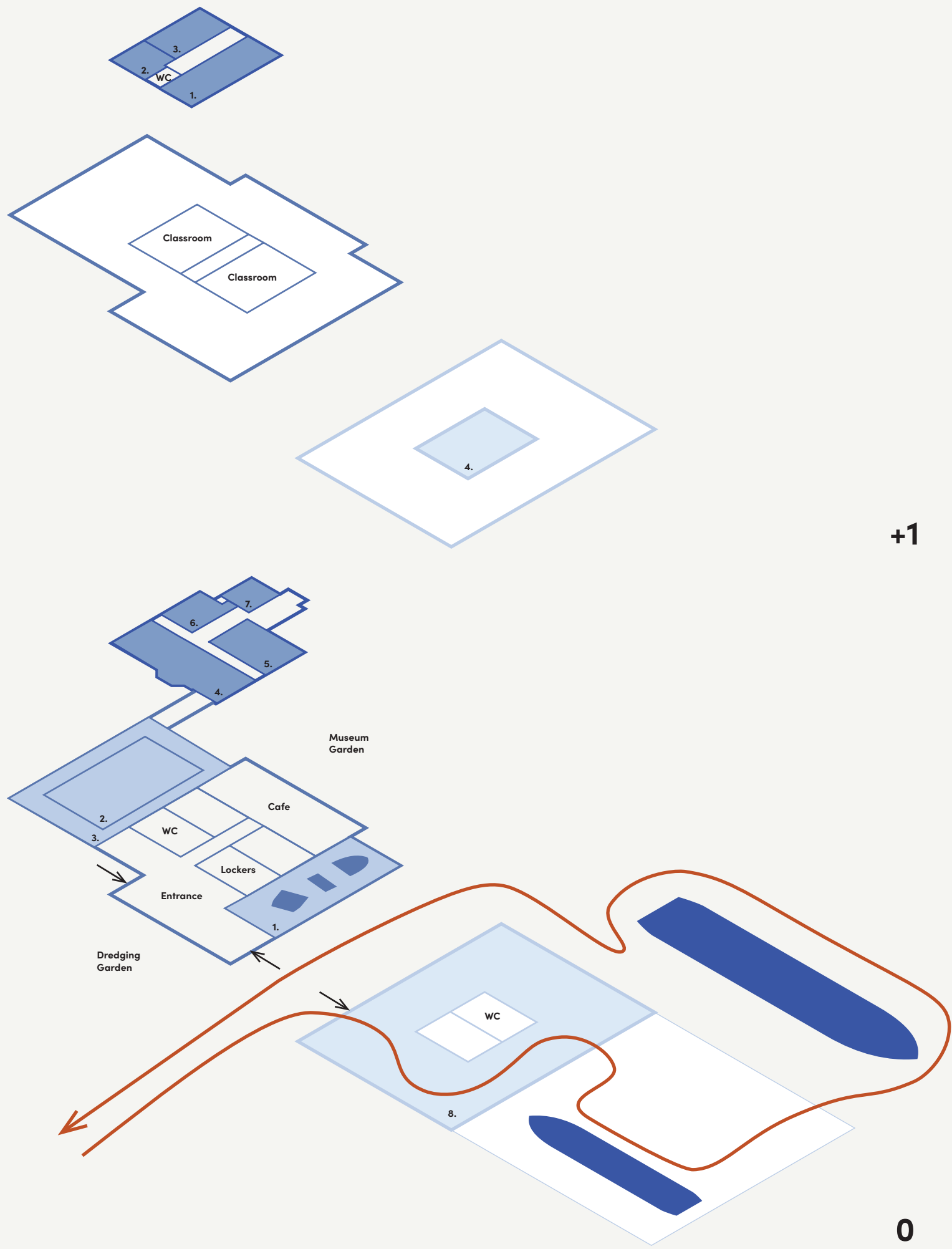
1. What is dredging?
2. Temporary Expo: Dredging Stories
3. Volker's Empire
4. The Volker house
5. Dredging library
6. The Board Room
7. Staff kitchen
8. Event Hall

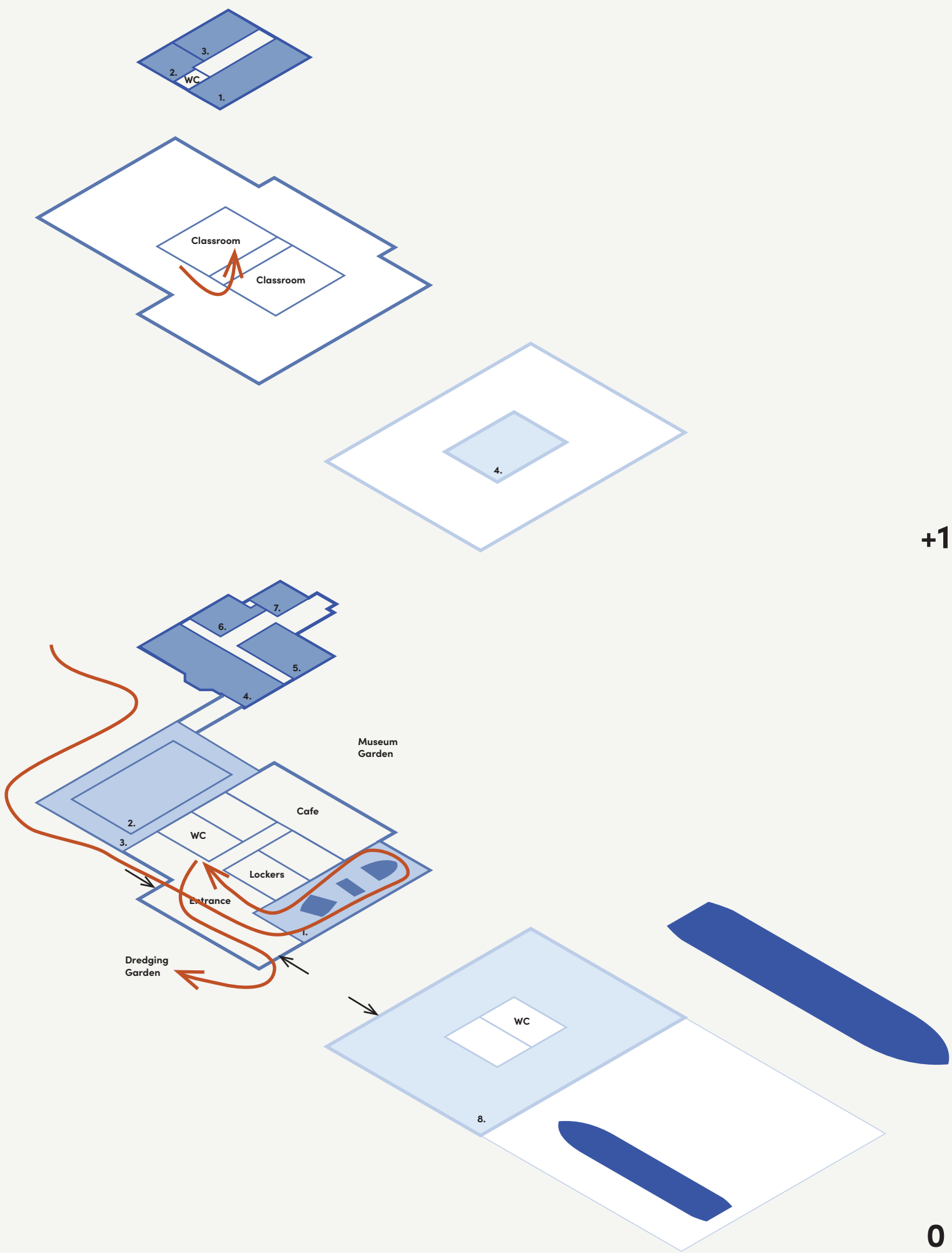


0

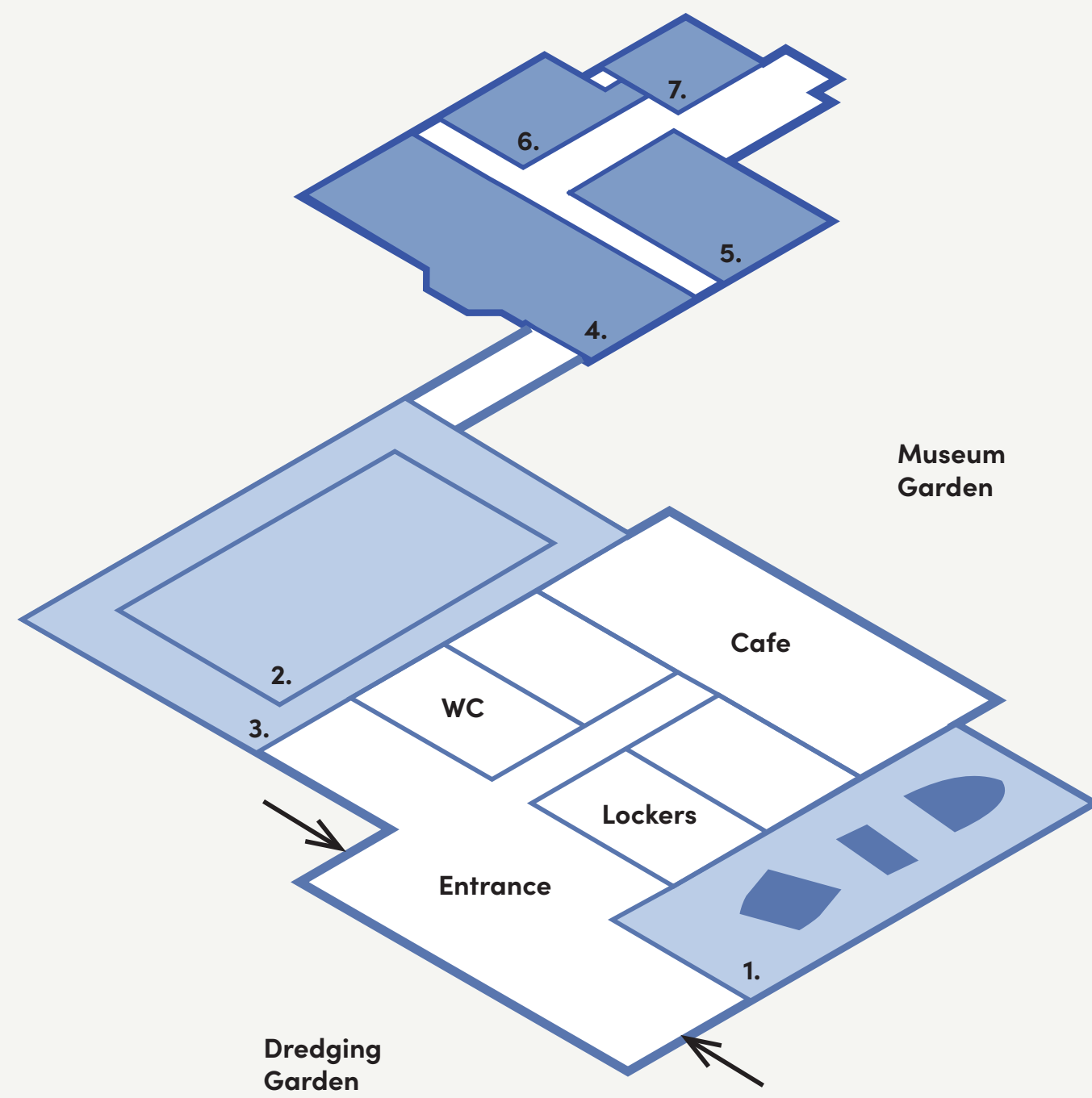
het nationaal
BAGGERMUSEUM











Temporary exhibition:
Dredging Stories



Temporary exhibition:
Women in Dredging

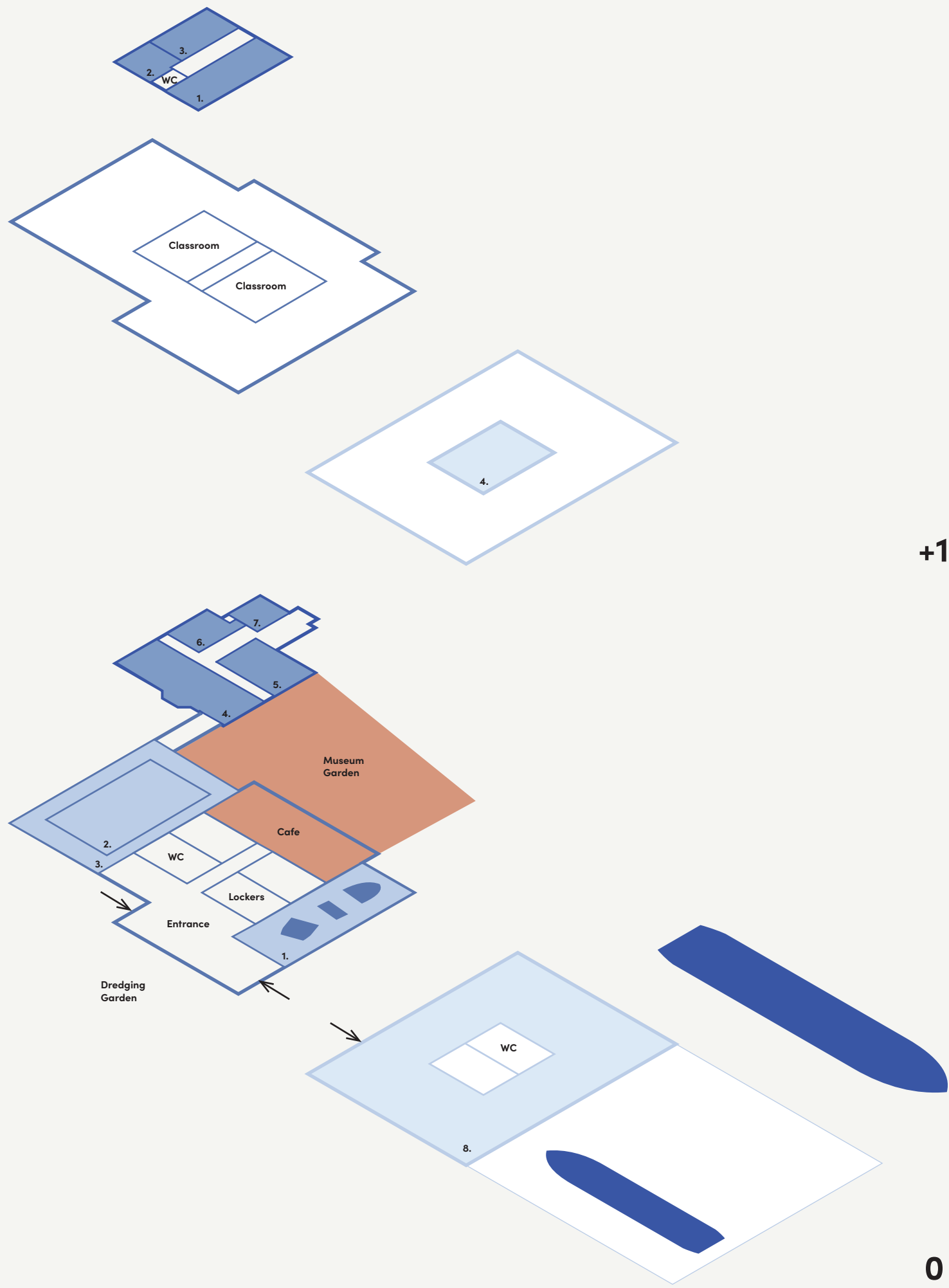






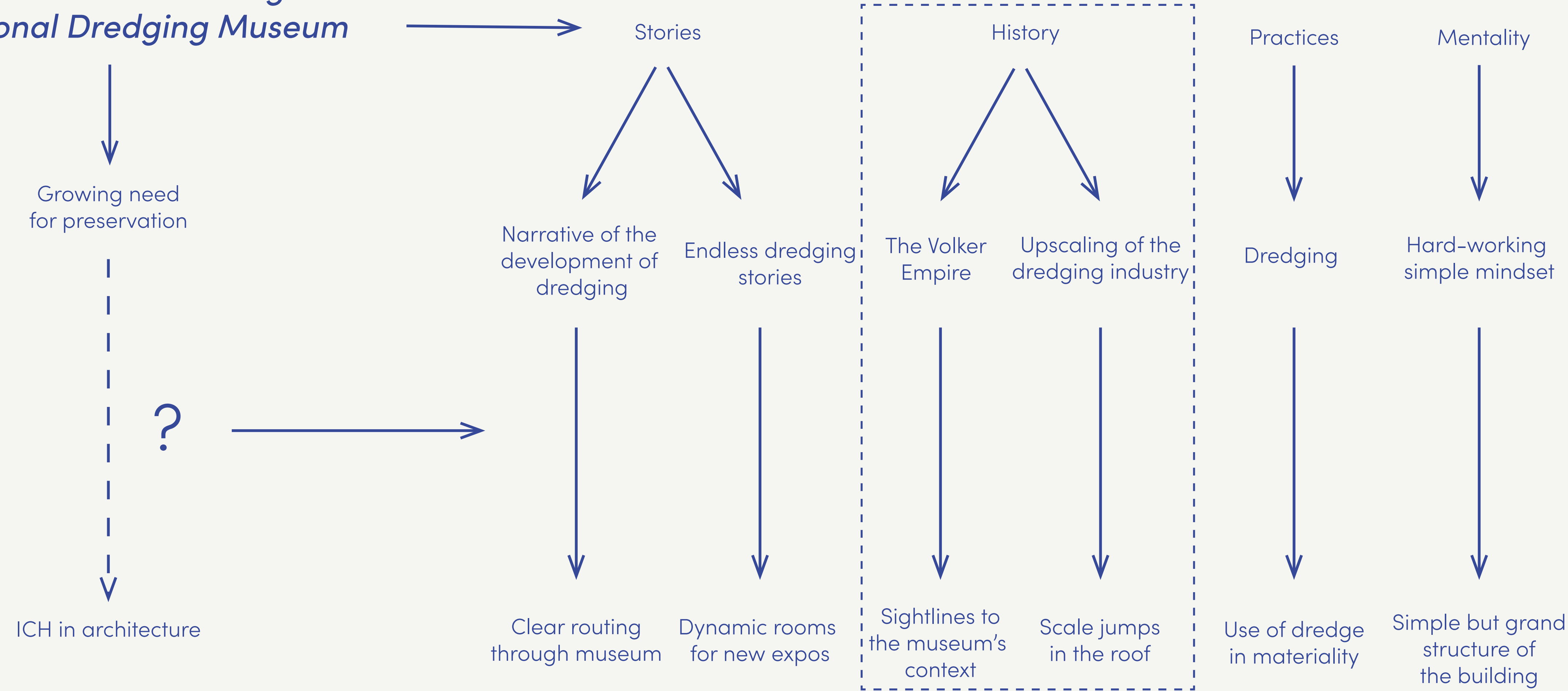
*De eeuwige beweging van het water is ons leven,
te meten onze kracht aan de zijne is ons streven.*

– Alida Clasina Volker-Schuijtemaker, 1889–1973

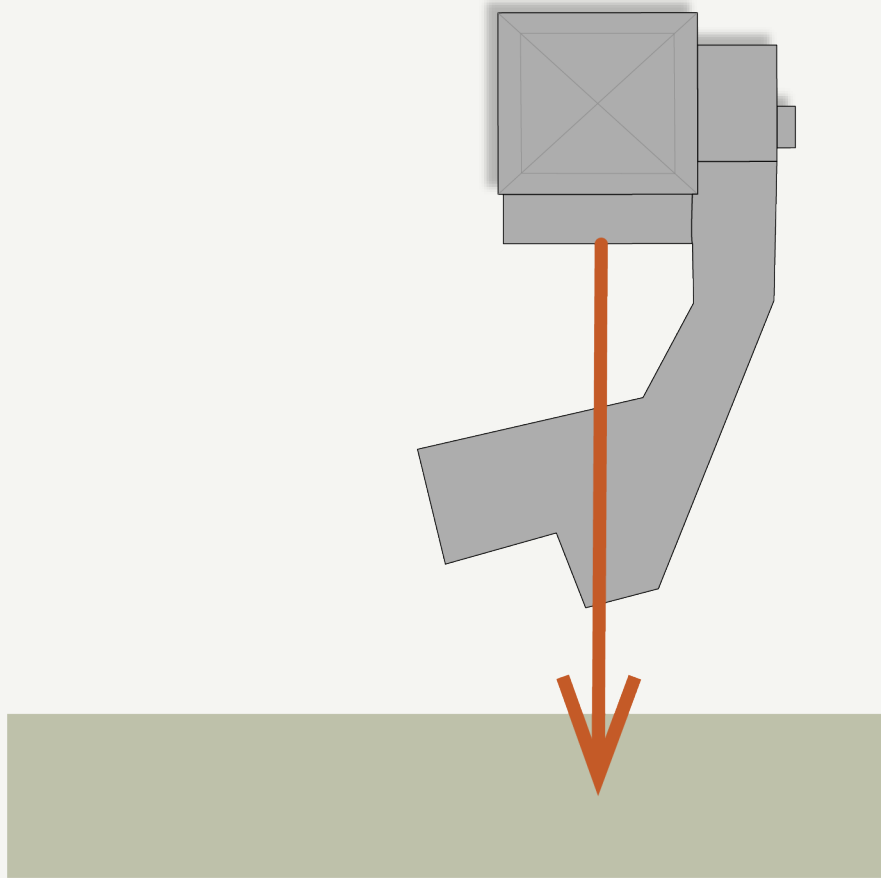




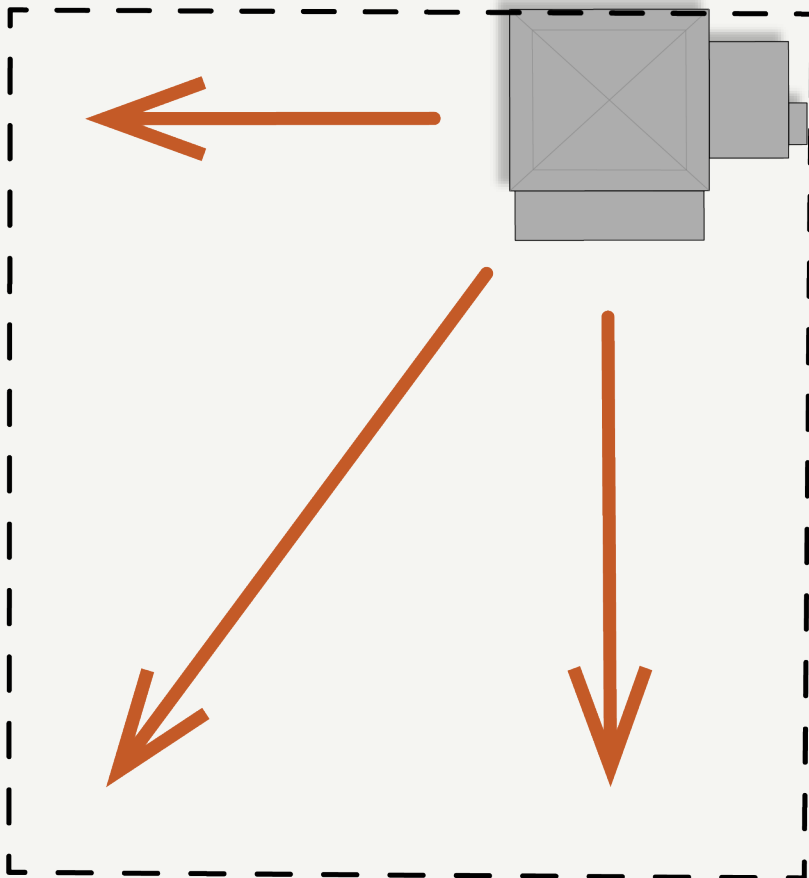
*Intangible Cultural Heritage in
the National Dredging Museum*



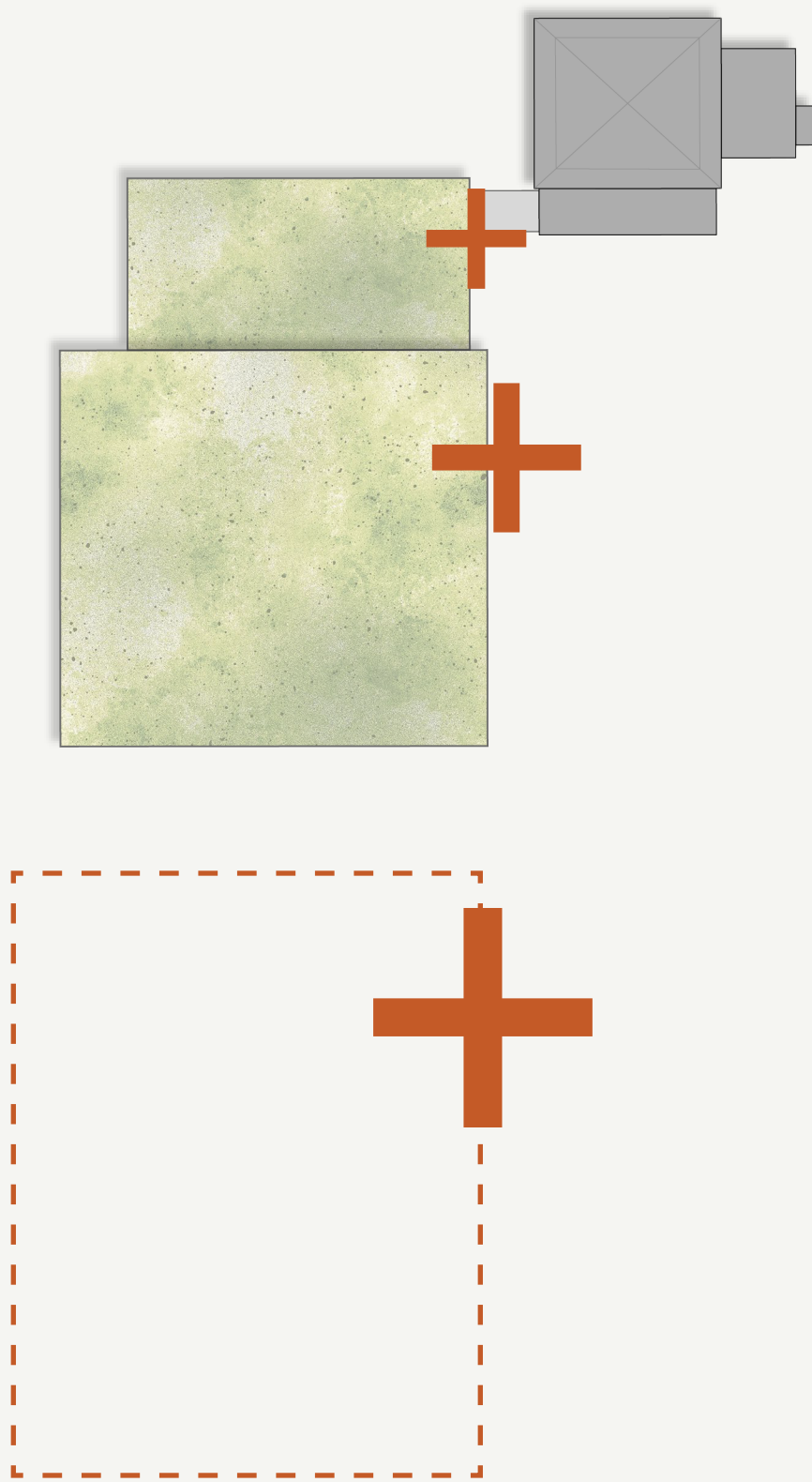
Demolishing the old addition



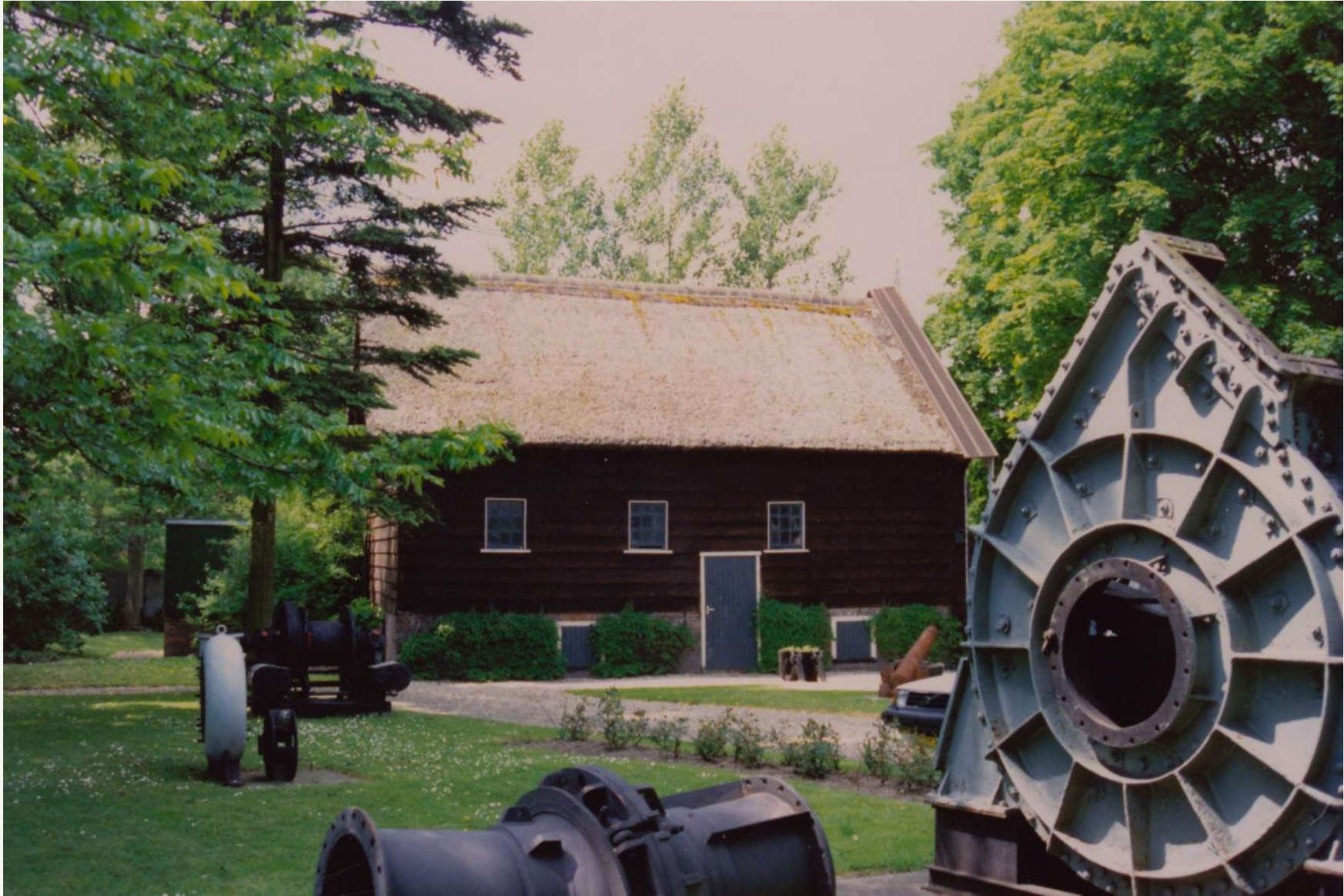
Creating a new addition



Scale jumps to refer to growth and innivation





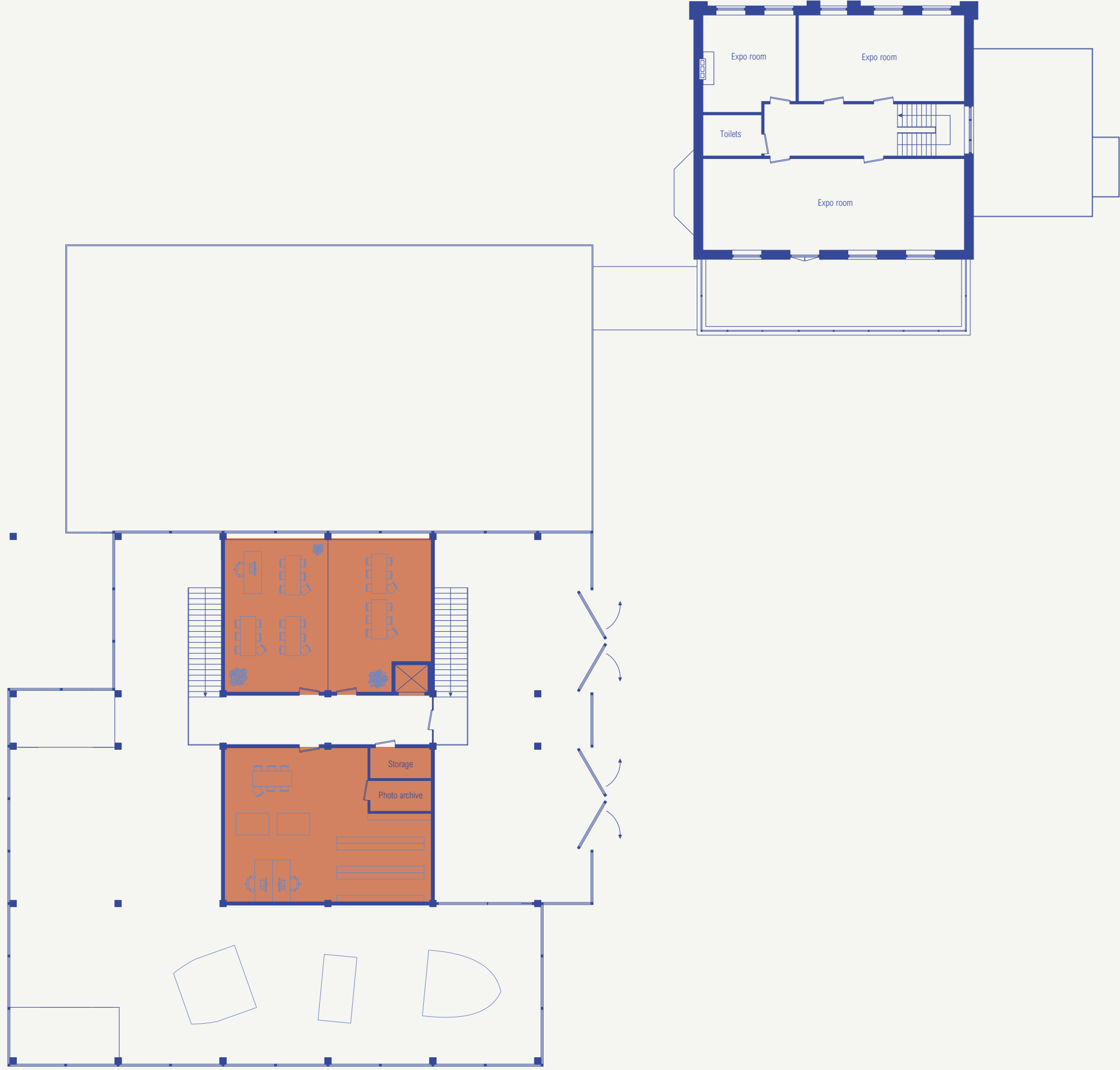
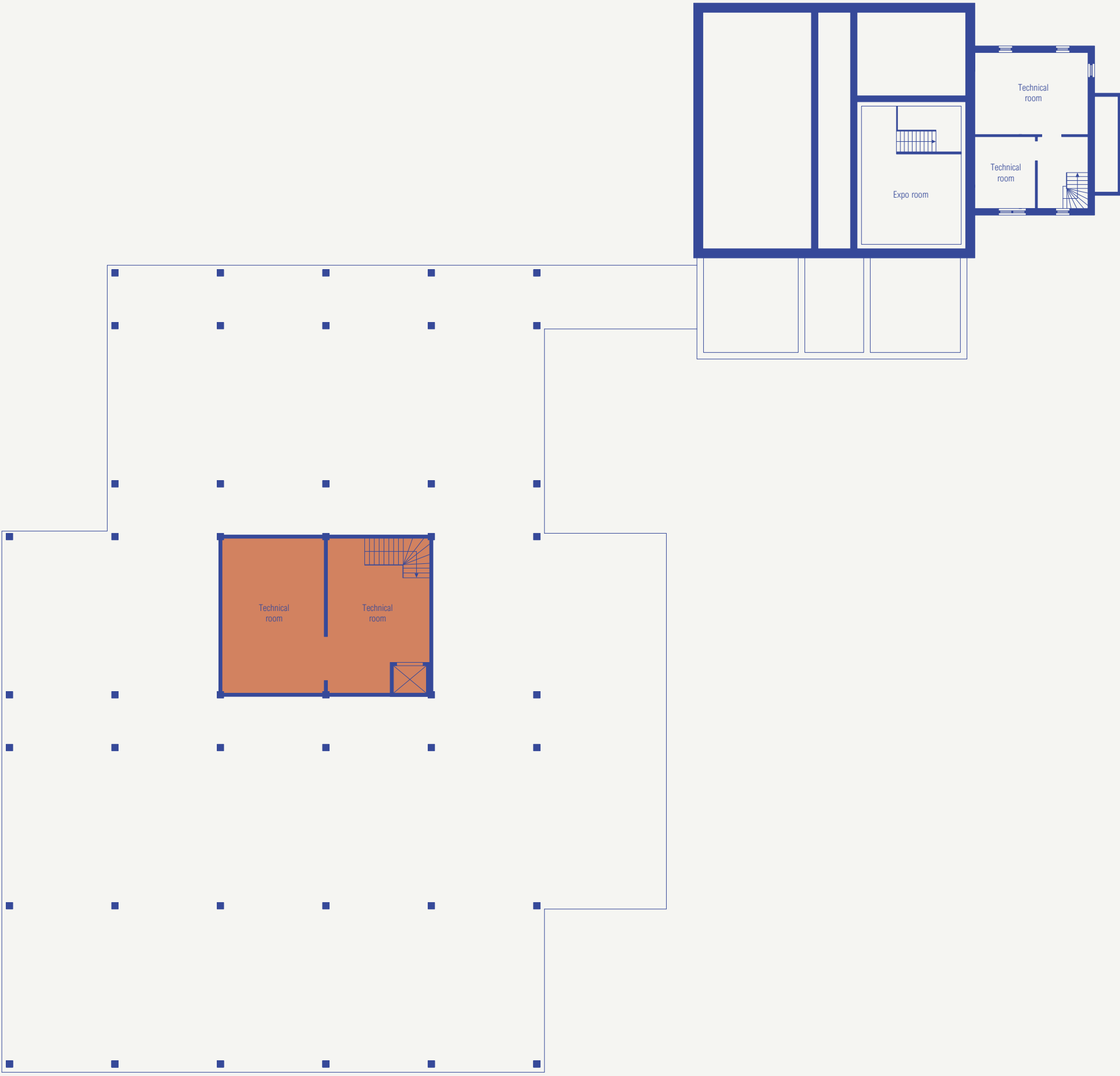


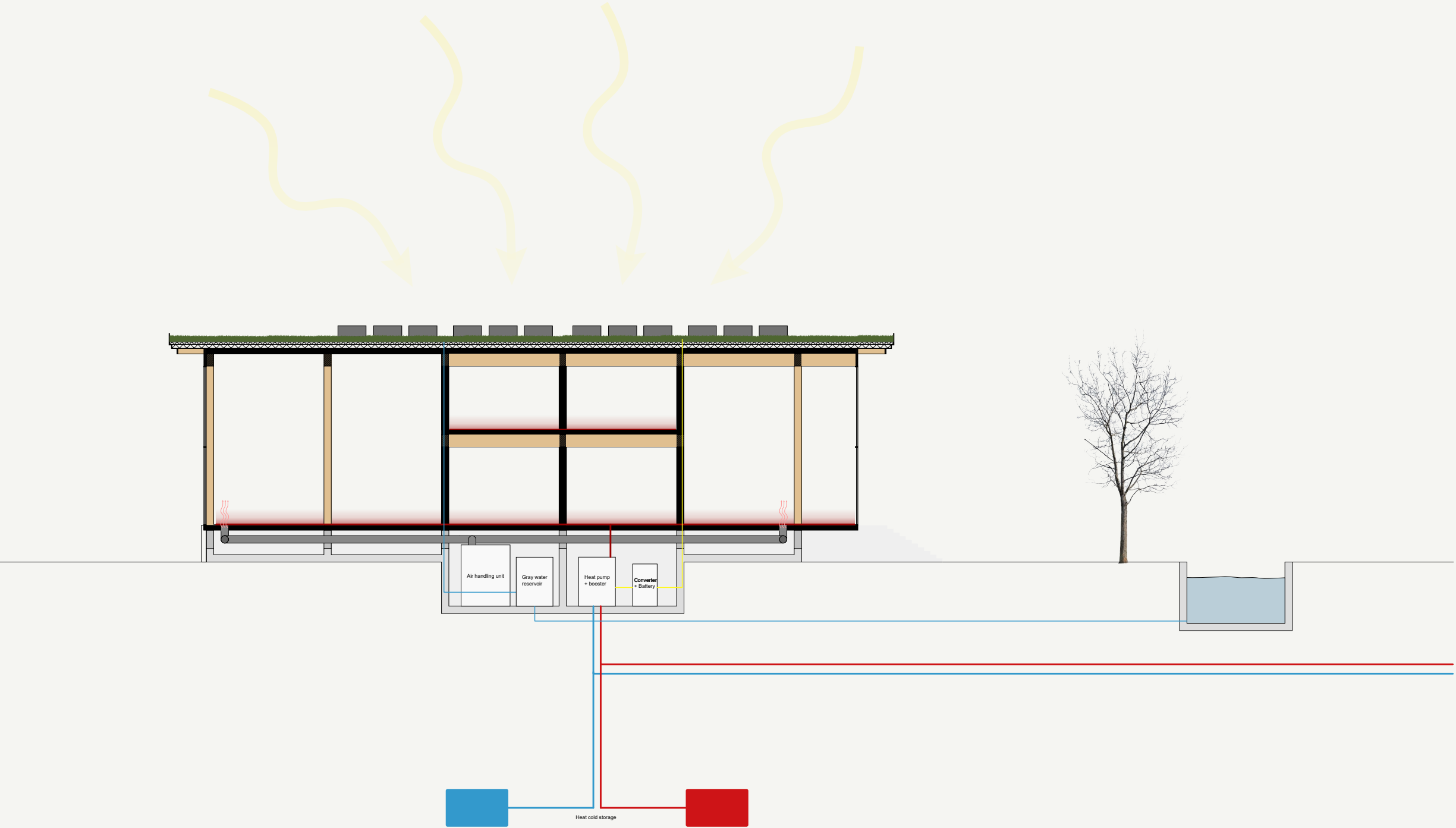
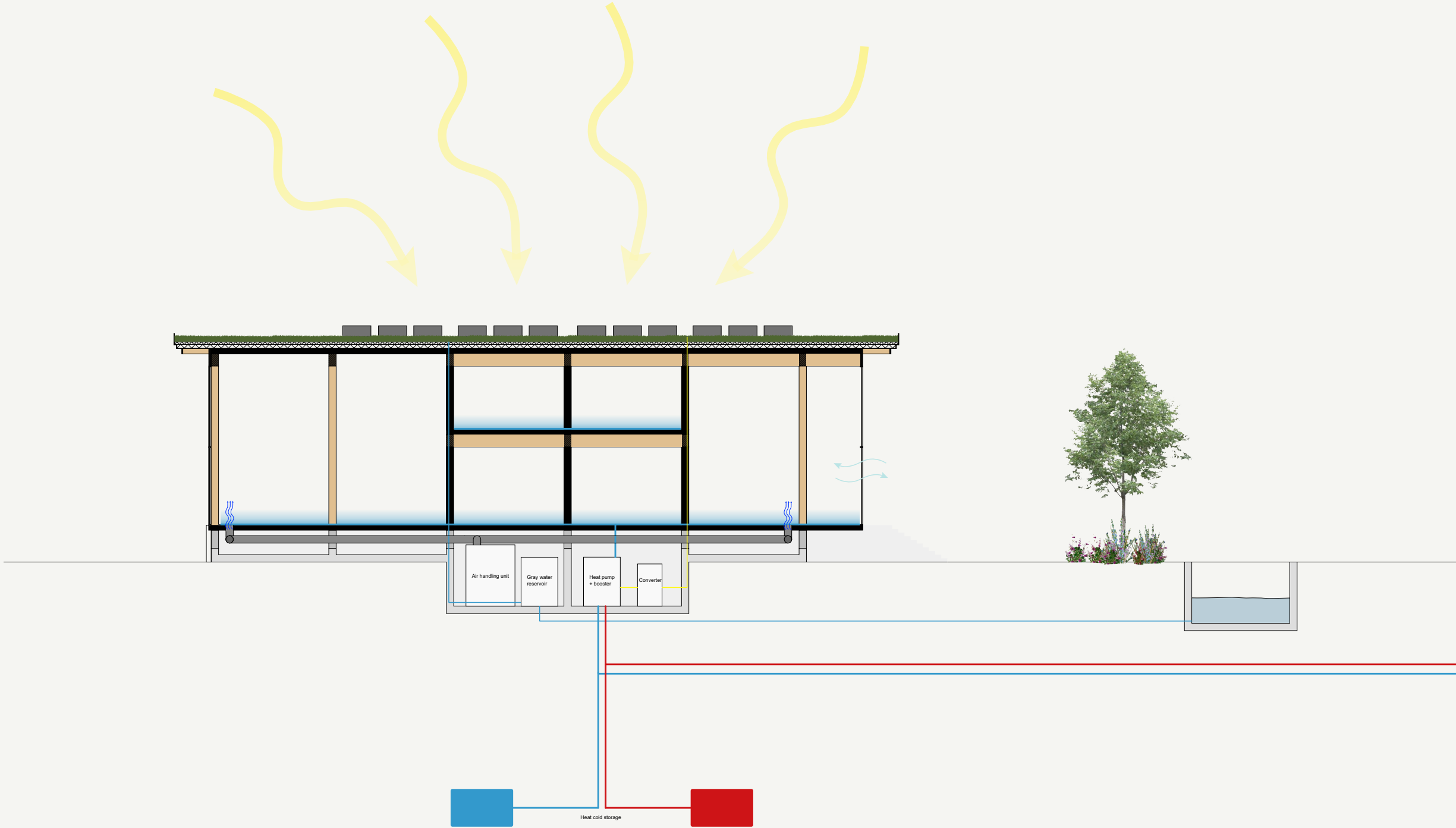
Carriage house in the garden of the Museum



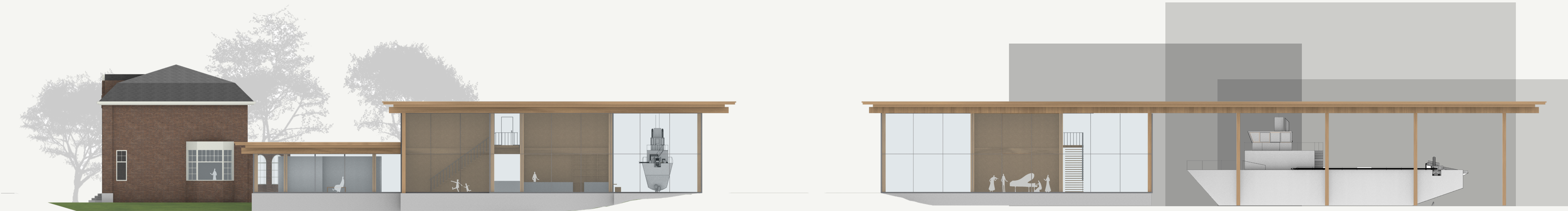
First home of Adriaan Volker on Molendijk 181





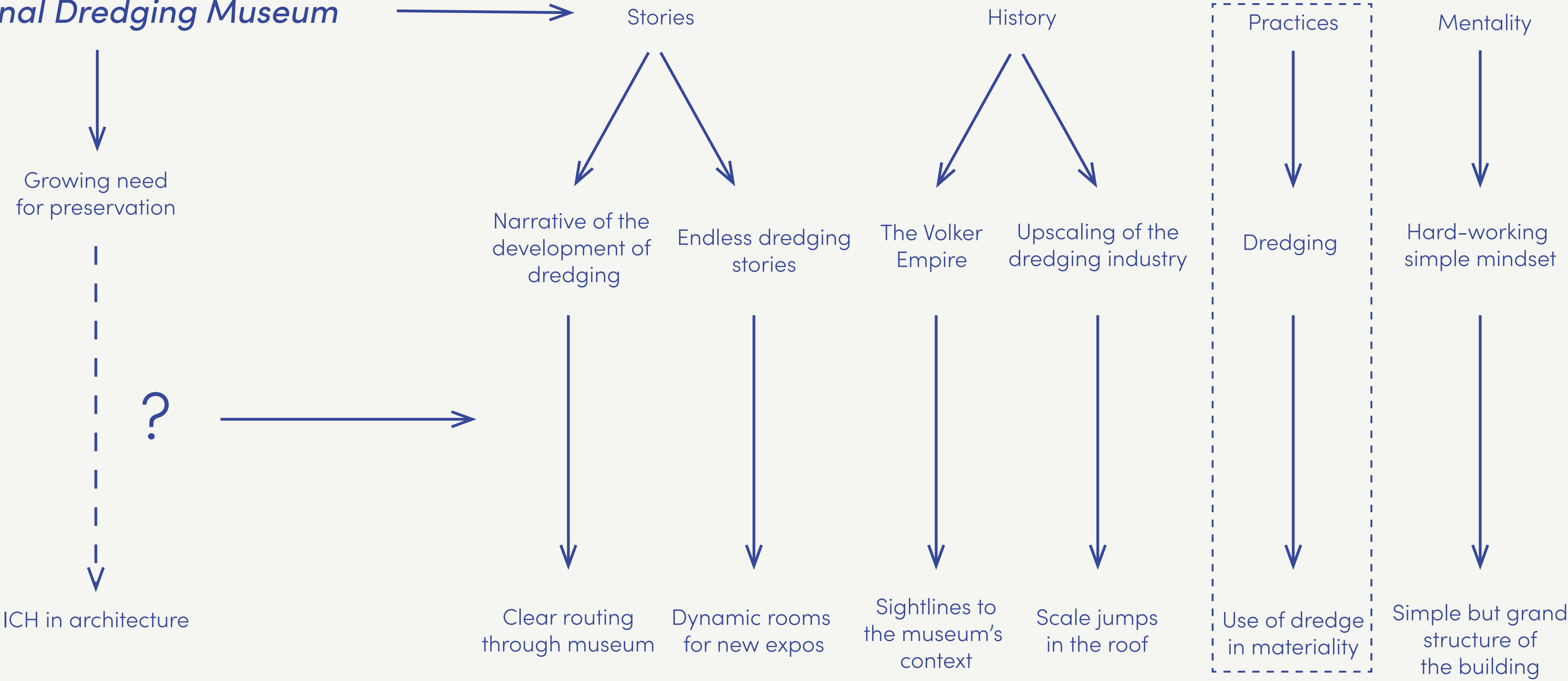






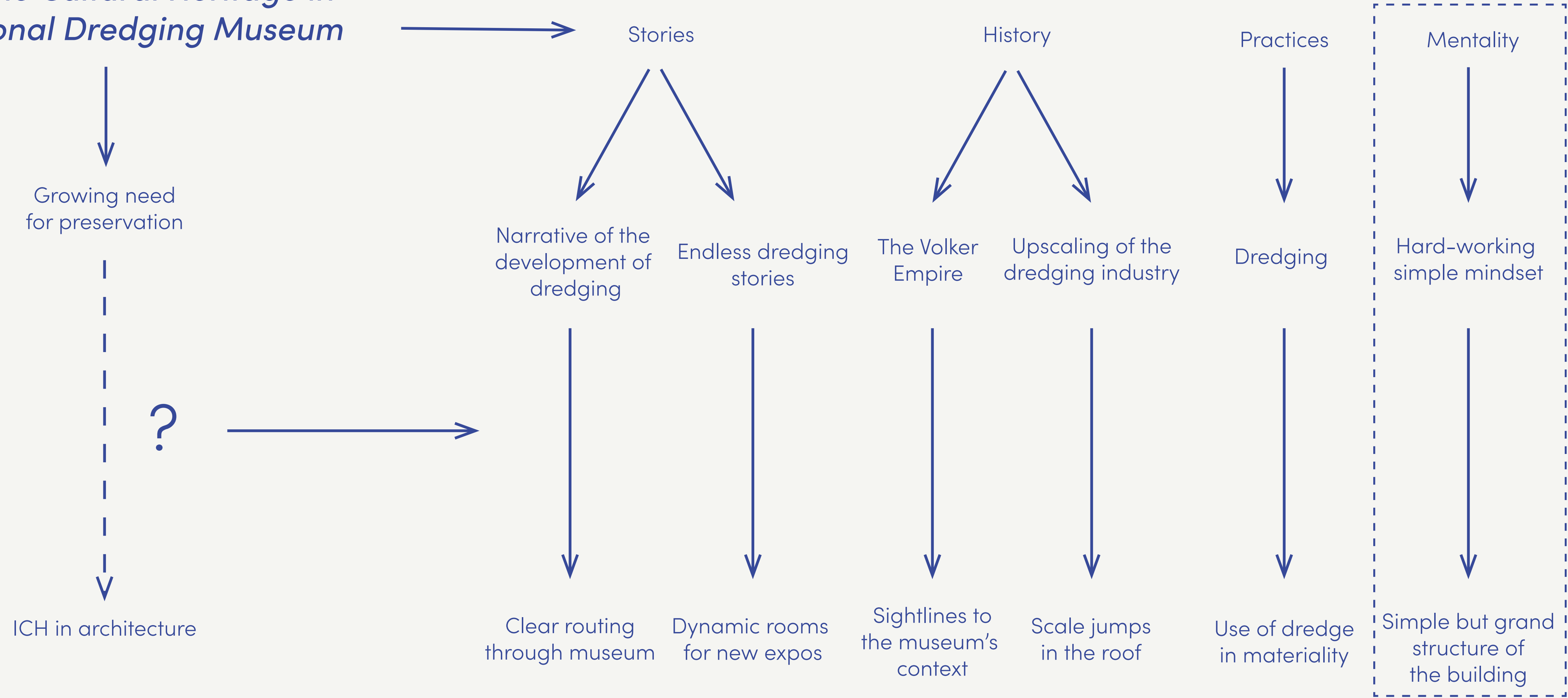


*Intangible Cultural Heritage in
the National Dredging Museum*



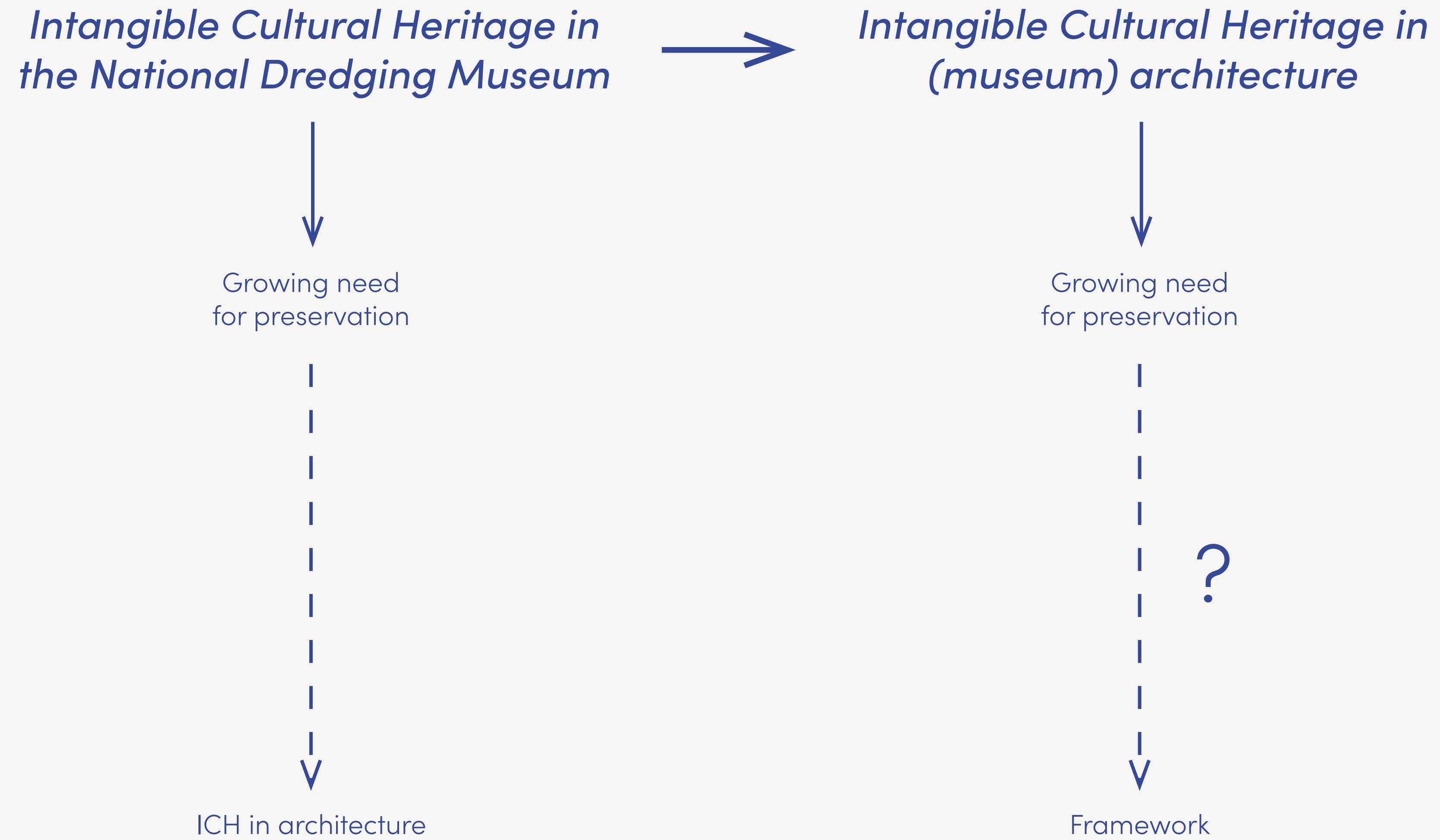


*Intangible Cultural Heritage in
the National Dredging Museum*





het nationaal
BAGGERMUSEUM





Thank you!

An architectural rendering of a modern building with a long, low profile and a wide glass facade. The building is surrounded by a lush green lawn and a paved path. In the foreground, a young boy is riding a small green bicycle on the path. To the right, two children are playing together. In the background, a large wooden play structure is visible. The sky is blue with scattered white clouds. The text "Preserving Dredging History in het nationaal BAGGERMUSEUM" is overlaid on the image.

Preserving Dredging History
in
het nationaal
BAGGERMUSEUM