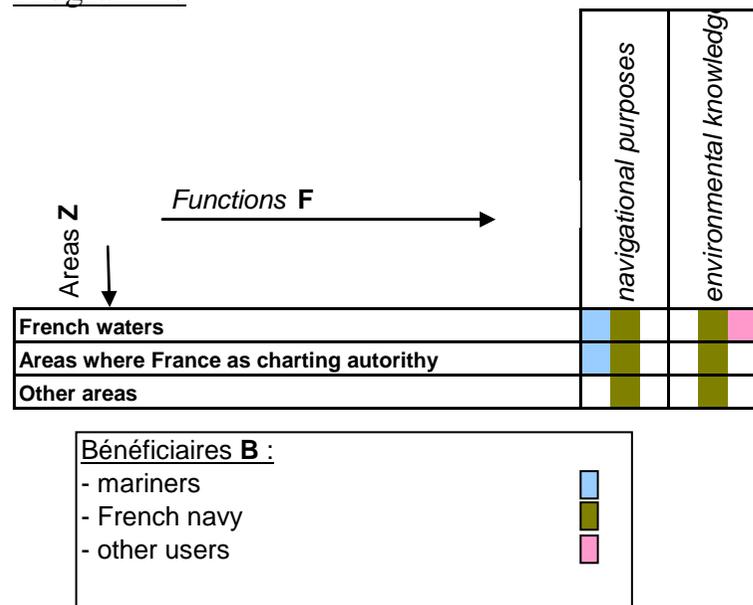


French National Hydrographic Survey Programme

Programme



The blue boxes represent the French National Hydrographic Survey Program: hydrographic surveys for navigational purposes for all the mariners in French waters, and area where France is primary charting authority.

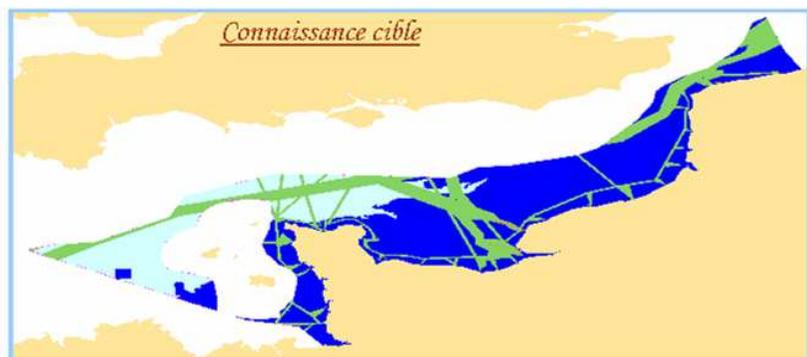
The programme is sponsored by French MOD, subventions to SHOM and hydrographic survey ships.

But, other fundings are involved in this program: foreign companies (under UNCLOS), French commercial companies and entities (autonomous harbour, French collectivities...) involved in marine works also gather regular updates to data as part of their activities e.g. offshore hydrocarbon exploration projects, harbour development works..., which have to send their hydrographic data to SHOM.

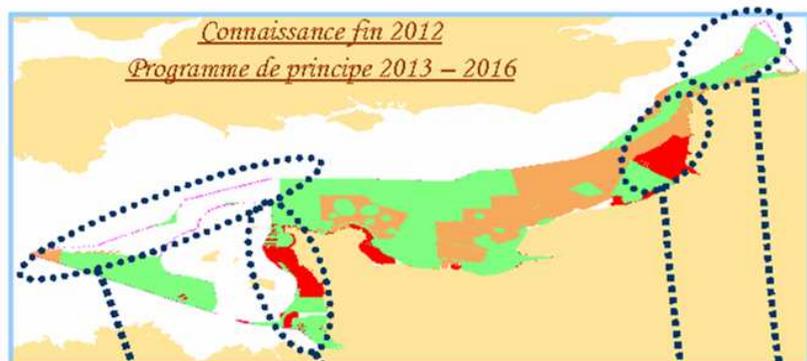
SHOM surveys are planned with matching needs and existent data.

For the Channel and North Sea, the programme for the next period 2013-2016 is:

Métropole : façade Manche est – mer du Nord



Répartition de la connaissance cible par ordre S-44 de l'OHI	Surface (km ²)	Ordre spécial	Ordre 1a	Ordre 1b	Ordre 2
ZEE	28 741	0.2%	24.4%	54.3%	21.1%
Extension juridique du plateau continental	0				



Répartition de la superficie par niveau de qualité (%)	Levés réalisés après 1980. Qualité généralement conforme aux normes en vigueur	Levés réalisés entre 1950 et 1980. Qualité pouvant nécessiter des reprises partielles (ordre 2 S-44)	Levés réalisés avant 1950. Qualité insuffisante non-conforme aux normes en vigueur	Zone non connue
État connaissance fin 2012	53%	27%	8%	12%
État connaissance cible	100%			
État connaissance fin 2016	61%	25%	4%	10%

Programme de principe 2013 – 2016 :

- contrôles périodiques des zones évolutives dans les dispositifs d'organisation du trafic du Pas de Calais (20 j/an) ;
- levés côtiers du cap de la Hague à la limite franco-belge, notamment baie de Somme (80 j) ;
- poursuite du levé de Lannion au Raz Blanchard par le Passage de la Déroute (250 j) ;
- levé des dispositifs d'organisation du trafic en Manche (50 j).

Indicator

To follow the programme, SHOM will be used the C-55 indicator.

SHOM distinguishes:

- critical areas: ports, access channels, anchorage areas and recommended routes with minimum depth below keel or potentially dangerous and depths below 40 meters
 - o these areas must be surveyed as special order
- areas of particular interest: other ports, channels, recommended routes, anchorages
 - o these areas should be surveyed as order 1a
- coastal areas (from the coast to the 50m isobath)
 - o these areas should be surveyed as order 1b
- the continental shelf (from the 50m isobath to 200m)
 - o these areas should be surveyed as order 2
- oceanic areas (land above 200m)
 - o these areas should be surveyed as order 2
- areas of submarine navigation by depths below 200m
 - o depend of the height of the submarine from the bottom: special order, order 1a or 1b (the last is default)

The annual state of hydrographic knowledge is transmitted to the IHO respecting the C-55:

- class A: % of water properly surveyed,
- class B: % of water requiring the implementation of re-survey at larger scale or in accordance with modern standards,
- class C: % of water not systematically surveyed.

The C-55 distinguishes depths <and> 200m.

Accordingly, SHOM proposes that areas under jurisdiction are assigned to C-55 classes as follows:

Area \ S-44 order	OS	O1a	O1b	O2	worse or unsurveyed
Critical area	A	B	B	C	C
Area of interest	A	A	B	B	C
Coastal area < 50m	A	A	A	B	C
Continental shelf 50m < < 200m	A	A	A	A	C
Oceanic area > 200m	A	A	A	A	C

Examples:

- a critical area was surveyed as order 1b then this area is assigned to class B within C-55;
- a continental shelf area was surveyed as order 1b then this area is assigned to class A within C-55.