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SEPAmatic

Infrastructure and Environment







SURFING UNDERLOVE D SEAFOOD

Understanding the drivers and barriers to the human consumption of underutilised seafood parts and species in the United Kingdom



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Our global population is set to hit 10 billion by 2050

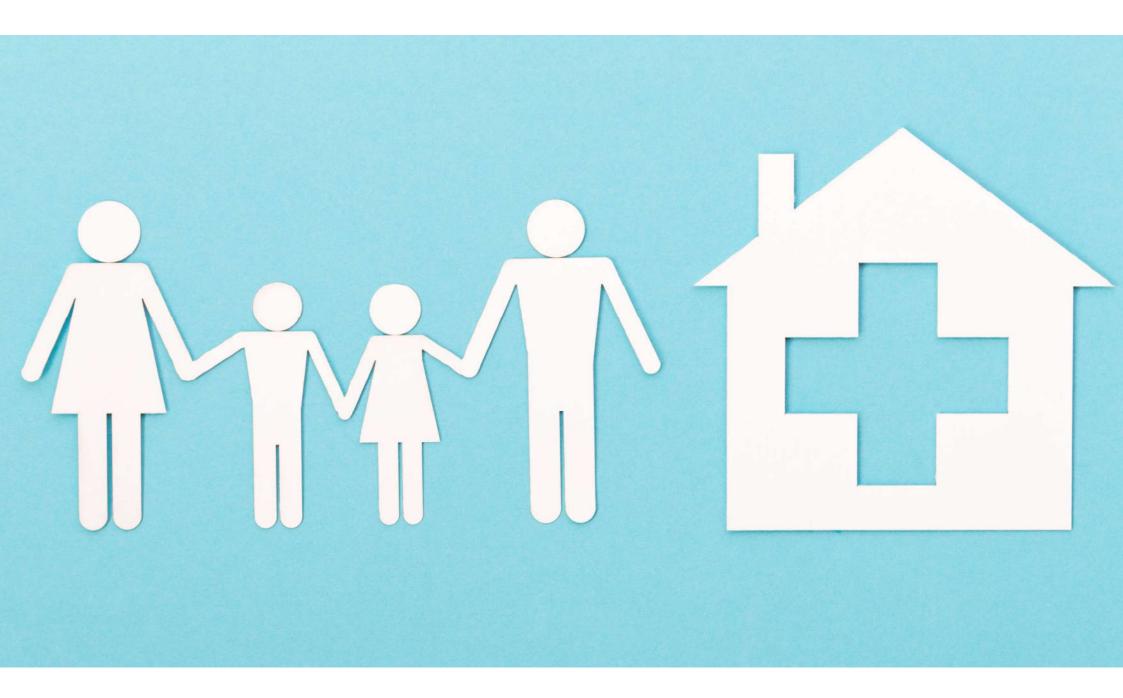
Gu et al., 2021

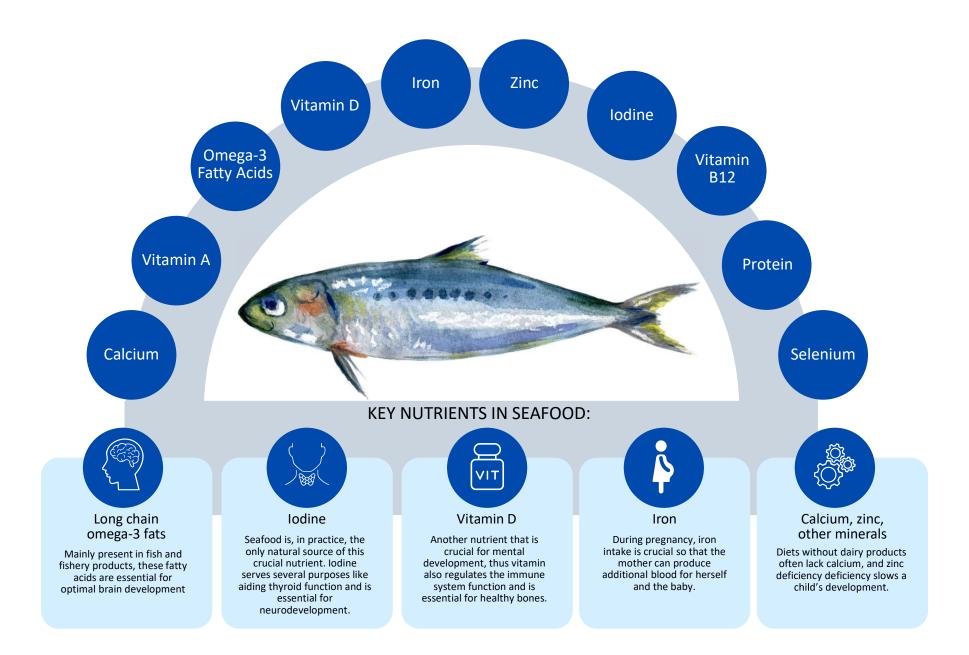




There is an urgent need for a resilient and diverse food system that is necessary for food security, human health, the planet's health, and social progress.

Seafood has the potential to support diverse and nutrient-rich diets.











The UK produces over 124 species domestically, with a total landed volume of 411, 000 tonnes and a value of £ 757 million.

> FAO, 2023, 2022

5.2 billion portions of fish and chips by weight

WWF-UK, 2022



The UK exports much of what it catches, and imports much of what it eats.

Harrison et al. 2023 Barriers & drivers to consumption of species outside the BIG FIVE.

Web scraping seafood recipes

> 8,000 recipes Seafood representation: **Cuts/parts and Species**

BBC Good Food gf https://www.bbcgoodfood.com > Recipes > Category

https://www.bbcgoodfood.com > Recipes > Collection

Fish and seafood recipe ideas

Crab	Fish
Mussels	Prawn
Sea bass	Trout

Mackerel Haddock Salmon Seafood Smoked salmon

Tuna





Items 1 - 24 of 78 - From seafood pastas and paellas, to creamy chowders and curries, our seafood recipes celebrate prawns, crab, clams, mussels and more.

Seafood recipes

BBC Good Food



gf

BBC Good Food

https://www.bbcgoodfood.com > Recipes > Collection

Fish recipes

Items 1 - 24 of 160 - Sample a selection of seafood with our easy fish suppers. Discover recipes for cod, salmon, tuna, sea bass, mackerel, haddock, ...

BBC Good Food

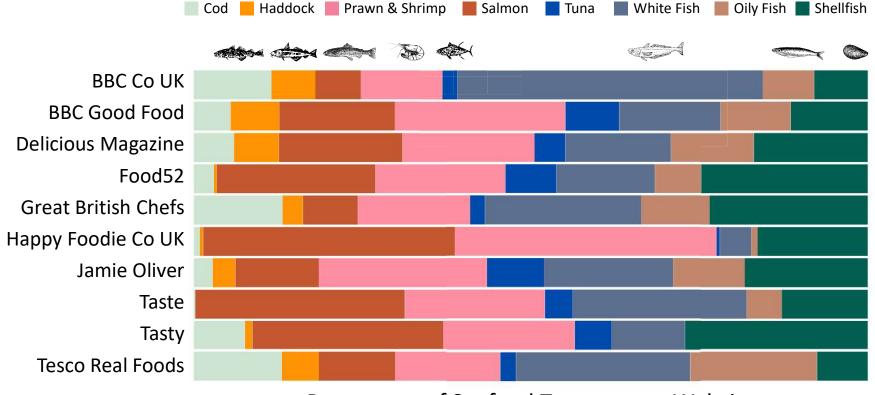
https://www.bbcgoodfood.com > Recipes > Collection

Shellfish recipes

Items 1 - 24 of 26 — Shellfish recipes · Shellfish soup · Spicy seafood spaghetti Crab mac 'n' cheese bake.







Percentage of Seafood Types across Website



Clementine and cod curry by Nadiya Hussain

by Romy Gill

Cod in curry sauce

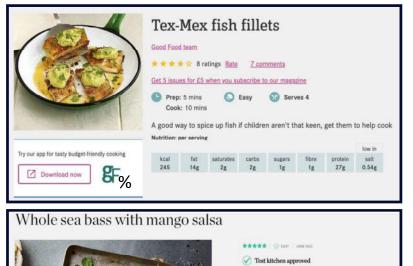
Miso cod with mackerel and coriander broth by Matt Tebbutt

Pomegranate salmon

* * * * * 9 ratings

Use fresh pomegranate as well as molasses to get a deeper flavour in this salmon recipe. Serve with couscous or steamed green veg, if you like

🕒 30 mins 🔊 Easy



SIRVES ?

MUTRITION. PER SERVING

FAT

PROTEIN

1010

Serve with salad and potatoes.

Debora Robertson's whole sea bass with mango salsa recipe makes a speedy and impressive dinner for two.

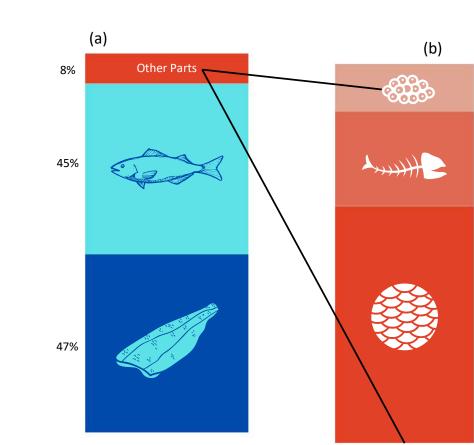
For an all-in-one fish dish, try our see bass traybake with peppers, cherry tomatoes and pine nuts.

STRACALS

38.40 21.56 (19.20 SUGARS) 9.30

0.40

37.80 (7.95 SATURATED)



Whole Fish 🧳 Fillets 👹 Roe Anni Fish bones 👹 Fish skin

1%

2%

5%

Recipe Complexity

Word count

Bloody Mary prawns

 \star \star \star \star \star \star 5 ratings Rate this recipe



Treat yourself to this cheeky supper, inspired by the tomatobased cocktail that gives you one of your 5-a-day. Serve with crusty bread.

Number of ingredients

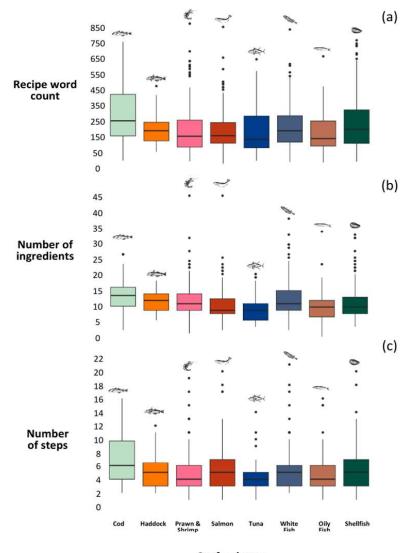
Ingredients

- 3 large garlic cloves, thinly sliced
- 1 tbsp extra virgin olive oil
- 1/4 tsp celery salt
- 1 tbsp vodka
- 400g tin cherry tomatoes in juice
- 1 tbsp Worcestershire sauce
- 1/2 tsp caster sugar
- 7-8 dashes Tabasco sauce
- 10–12 large raw king prawns, shelled and deveined
- small handful flatleaf parsley, roughly chopped

Number of steps

Method

- Put the garlic and olive oil in a large, cold frying pan. Place the pan over a medium-low heat until the garlic has heated up and softened in the oil.
- 2. Stir in the celery salt, then add the vodka and let the liquid bubble away. Add the cherry tomatoes, Worcestershire sauce, sugar and Tabasco sauce. Turn up the heat and bring the sauce to the boil, then reduce the heat and simmer for 15 minutes, stirring occasionally and breaking up the tomatoes with the back of the spoon.
- Turn the heat up to medium and stir in the prawns. Cook for 4–5 minutes, or until the prawns are just cooked through.
- Divide between two warm bowls, scatter over the parsley and serve immediately, with crusty bread.



Seafood type

Cod en papillote with spicy olive sauce



Marcus Wareing's solo fish supper sees steamed cod served on top of a quick chilli tomato sauce, with plenty of olives and crusty bread for company.

By Marcus Wareing From Marcus Wareing Simply Provence

Ingredients

this olive oil, plus extra for drizzling
 red pepper, finely chopped
 % red chill, sliced and seeds removed
 this capers
 pinch herbs de Provence
 400g tin chopped tomatoes
 i cod filter
 liemon
 handful green and black olives, chopped
sea salt and freshly ground pepper
 crusty bread, to serve

Method

- 1. Heat the oil in a medium saucepan, then add the red pepper, chilli and a pinch of salt and pepper. Bring the temperature up slowly to sweat the vegetables.
- Add the capers and herbs de Provence, then stir for a minute to release the flavours. Tip in the tinned tomatoes, stir through and simmer gently while you cook the cod.
- Put the cod on a square of baking paper, then add a drizzle of olive oil and some salt and pepper. Top with
 three slices of lemon.
- If cooking the cod in the oven, preheat the oven to 180C/160C Fan/Gas 4. Keep the cod in its baking paper and place on a hot baking tray. If using a barbecue, wrap the cod in its baking paper, then again in a square of kitchen foil to create a parcel.
- Put the parcels directly onto the barbecue coals and cook for 5–10 minutes. If using the oven, bake for 12– 15 minutes. Set aside.
- If using the barbecue, drizzle some olive oil onto the rest of the lemon and char it on the grill. Add some of the olives to the sauce, reserving a few.
- To serve, spread the sauce onto a plate and place the cod on top. Put the charred lemon on the side, drizzle with olive oil and scatter with the remaining olives. Serve with crusty bread.

Tuna melt

★★★★★ S2 ratings Rate this recipe



Preparation time less than 30 mins

less than 10 mins

Cooking time

Serves 1

This classic tuna melt can be made in a frying pan! If you like a little more texture to your toastie, it also works well with a tablespoon of finely diced celery folded through the filling.

By Sarah Cook

E Shopping list

🔒 Print recipe

+ Add to favourites

Ingredients

80g tinned tuna, drained 1 spring onion, thinly sliced 1 heaped tsp diced red onion or shallot 50g/1¼oz extra mature or mature cheddar, grated 1 tbsp mayonnaise tiny squeeze lemon juice 2 thick slices white or wholemeal bread

1 tbsp butter, softened

1 tsp olive oil

salt and freshly ground black pepper

Q Recipe tips

Method

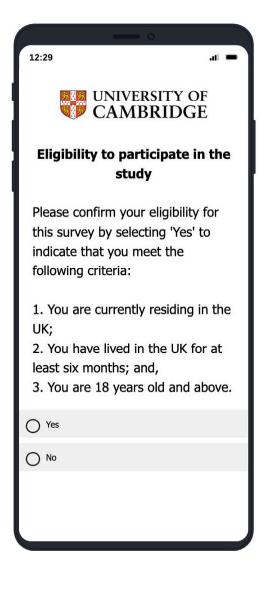
 Tip the tuna into a bowl with the spring onion, red onion and cheddar. Use a fork to flake apart the tuna and mix everything together. Add the mayonnaise, lemon juice, lots of pepper and a little pinch of salt and fold together.

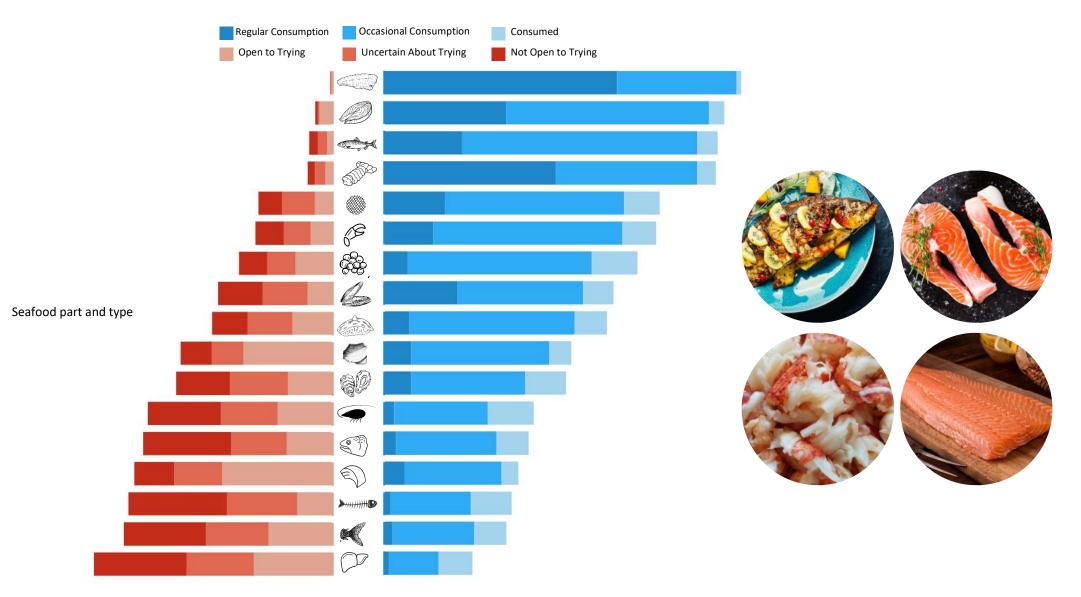
2. Sandwich the filling between the two slices of bread, then butter the outsides of the sandwich.

3. Heat the oil in a frying pan over a low heat. Add the sandwich and immediately sit a clean, smill, flatbottomed saucepan on top with a tin inside to squash the toastie down. Fry for 4-5 minutes, or until the bottom is crisp and golden and the filling is starting to ooze - if it browns quicker than this the filling wor't be melted enough. Fip and repeat to cook the other side. If it's perfectly toasted but the filling is not quite melted enough, pop in the microwave for a minute. Serve immediately.

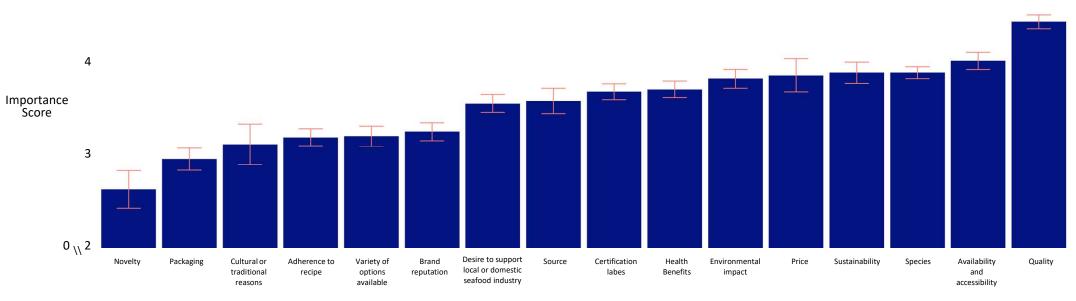
Online survey using Qualtrics

300+ respondents Species & cuts consumed Frequency & motivations Barriers & threats NCDs

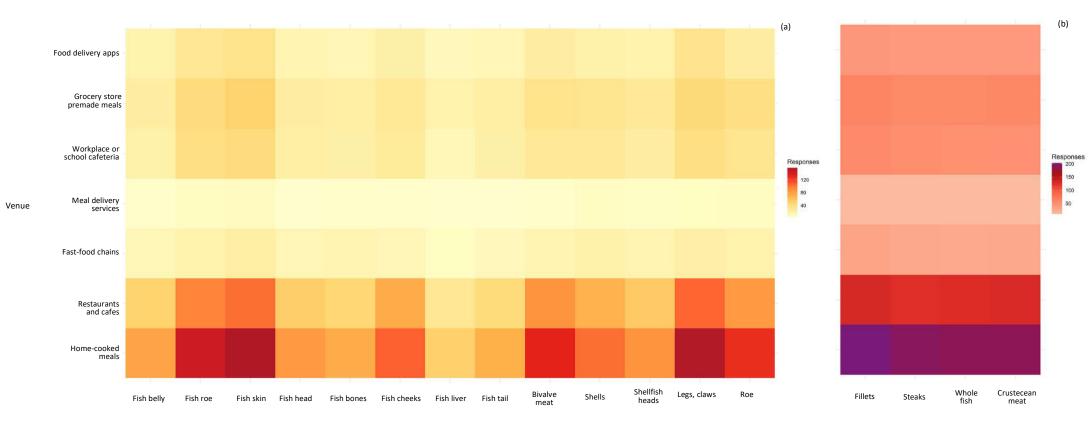


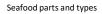


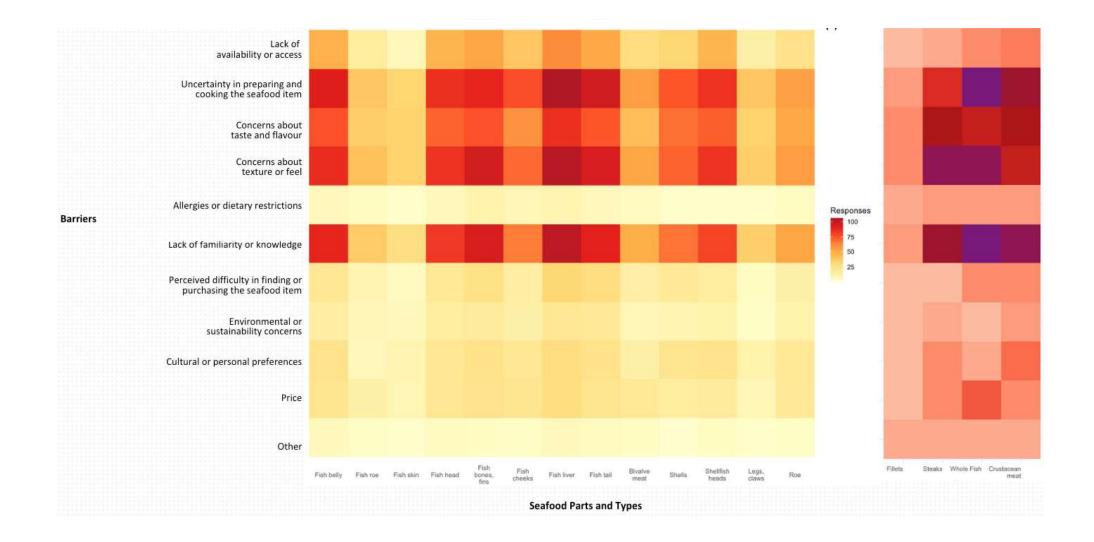
Consumption and willingness to try

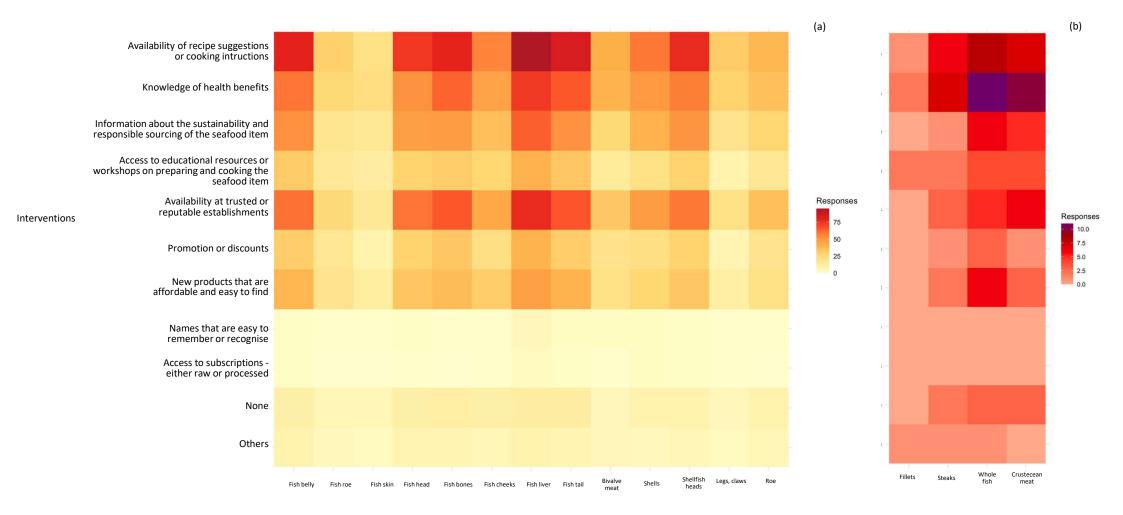


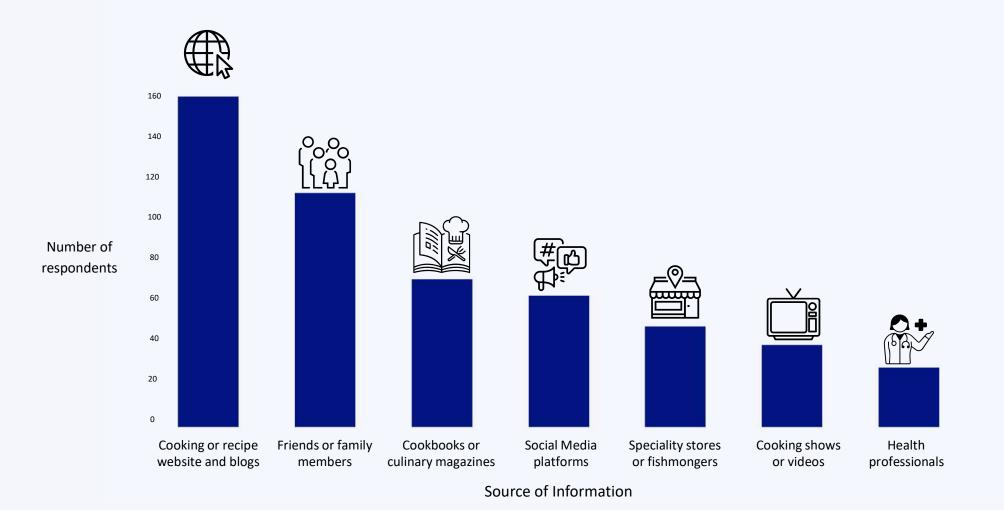
Factors considered in purchasing





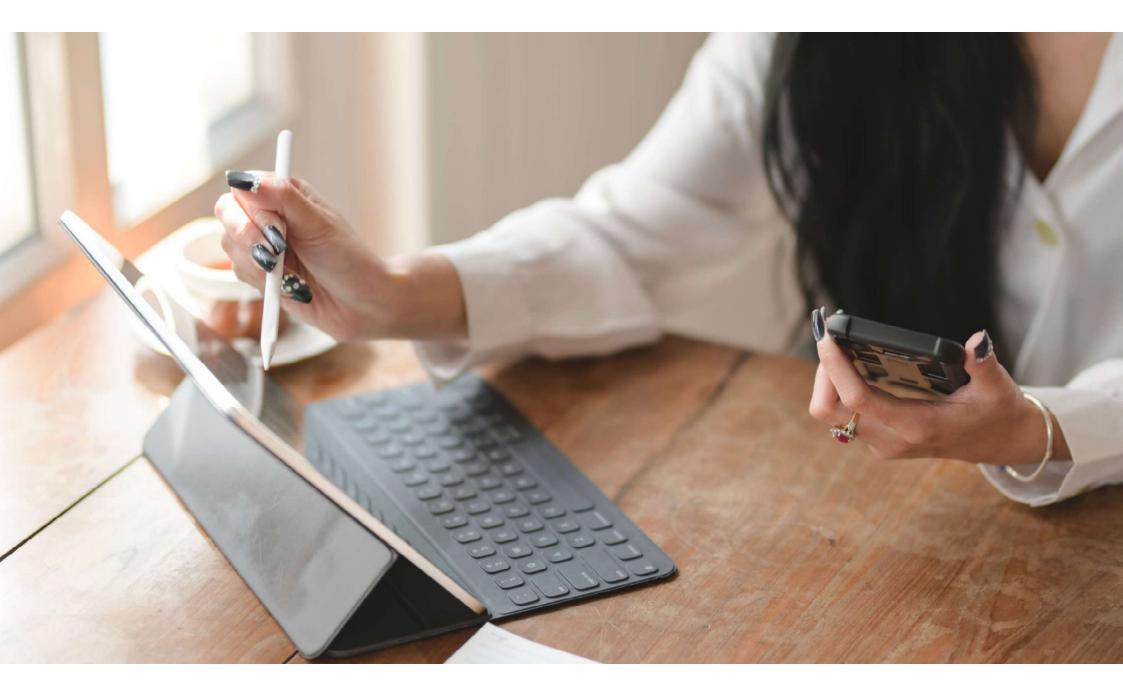














MARAMING **SALAMAT PO!**

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Isobel Ollard





Ashley Hoblyn



Jessa Garibay-Yayen



54th Annual Conference

Shellfish Association of Great Britain

#SAGB54