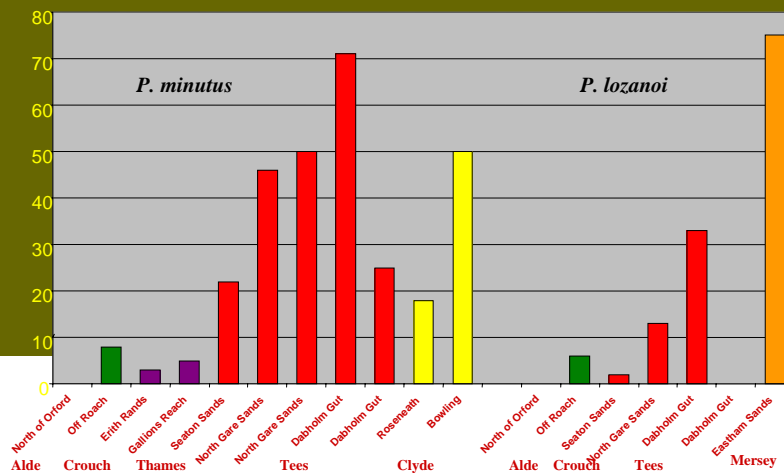


## Surveys of sand goby (*Pomatoschistus* spp.)

% of males with apparently feminised urogenital papillae



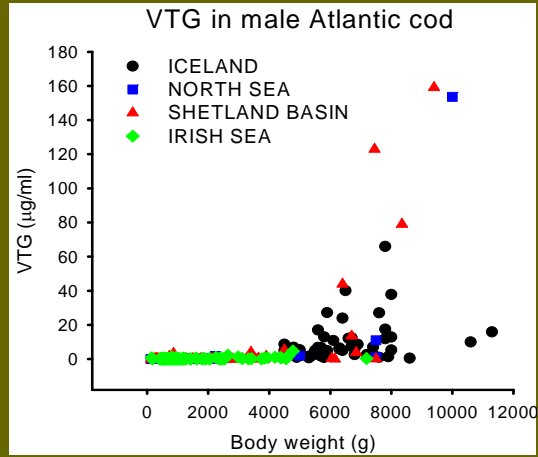
## EDMAR KEY RESULTS:

- *continued feminisation of flounder , but seems to be declining in some areas;*
- *signs of feminisation in sand goby and blenny fish in some estuaries;*
- *slight feminisation of migratory salmon and trout, but not a problem apparently;*
- *no evidence of effects on crabs and shrimps when exposed to chemicals causing feminisation in vertebrates;*
- *key substances were natural, such as 17 $\beta$ -oestradiol and synthetic, such as nonylphenol.*

## Oestrogens in the open sea

The presence of egg yolk protein vitellogenin (VTG) in blood of male fish is an indicator of endocrine disruption. We shouldn't expect to find it in the open sea.

But we do:



Also, we find it in the dab, a common flatfish:

