

Selection of elements

Charges based on harm to environmental services, e.g. reduced capacity to regulate climate or absorb nutrients.

- Impact e.g. length of river with reduced capacity to support fish or absorb nutrients, area of soil sealed or with reduced capacity to absorb contamination, climate change contribution – represents risk of chronic long term impact.
- Location Sensitivity impacts on protected areas, sensitive health receptors.
- Can take account of 'off-site' mitigating actions and longer term fate and effect of pollutants.









Advantages

- Risk based and environment focused most closely related to impacts on environmental services.
- Fair those causing biggest impacts pay the most.
- Mitigation recognises mitigation and provides incentives for mitigation.
- Flexible can take account of varying types and degrees of environmental impact.

Disadvantages

- Complexity, lack of transparency may be reliant on modelling and complex calculations.
- Resilience do we have all the data we need to make this work?
- Stability charge levels could be quite variable.
- Doesn't work so well for lots of small-scale cumulative activities.
- Doesn't include risk assessment for catastrophic on-site failure (e.g. explosion, dam burst).