



Creating a shared vision for the North East water environment

Spend better with a catchment market

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Allocatative efficiency

| Estimated annual spend on catchments in England during 2014/15 | Public - central (£m) | Public - local (£m) | Public - EU (£m) | Third Sector (£m) | Private (£m) | Total England (£m) |
|---|-----------------------|---------------------|------------------|-------------------|--------------|--------------------|
| Spend Area | | | | | | |
| Pollution control and enhancing natural capital of land | 369 | 740 | 1,013 | 196 | 5,329 | 7,653 |
| Rural land management | 57 | | 966 | | 1,420 | 2,444 |
| Water company - sewage treatment | 40 | | | | 1,837 | 1,877 |
| Pollution control | 11 | | | | 1,814 | 1,831 |
| Green infrastructure | 21 | 740 | | | | 761 |
| Conservation management | 158 | | | 196 | | 354 |
| Catchment regulation | 81 | | 5 | | 216 | 302 |
| Green growth | | | 42 | | 42 | 84 |
| Flooding, drainage and raw water for supply | 644 | 968 | | | 4,088 | 5,699 |
| Water company - drinking water collection and initial treatment | | | | | 1,389 | 1,389 |
| Flood damage | | | | | 1,280 | 1,280 |
| Water company - sewers and drains | | | | | 1,195 | 1,195 |
| Drainage and irrigation | | 845 | | | 86 | 931 |
| Inland flooding - capital | 253 | 110 | | | 49 | 412 |
| Inland flooding - operations | 217 | 13 | | | | 230 |
| Research | 120 | | | | 45 | 165 |
| Inland waterways | 54 | | | | 43 | 97 |
| Grand Total | 1,012 | 1,708 | 1,013 | 196 | 9,417 | 13,353 |

Natural efficiency



Asset Based Solutions



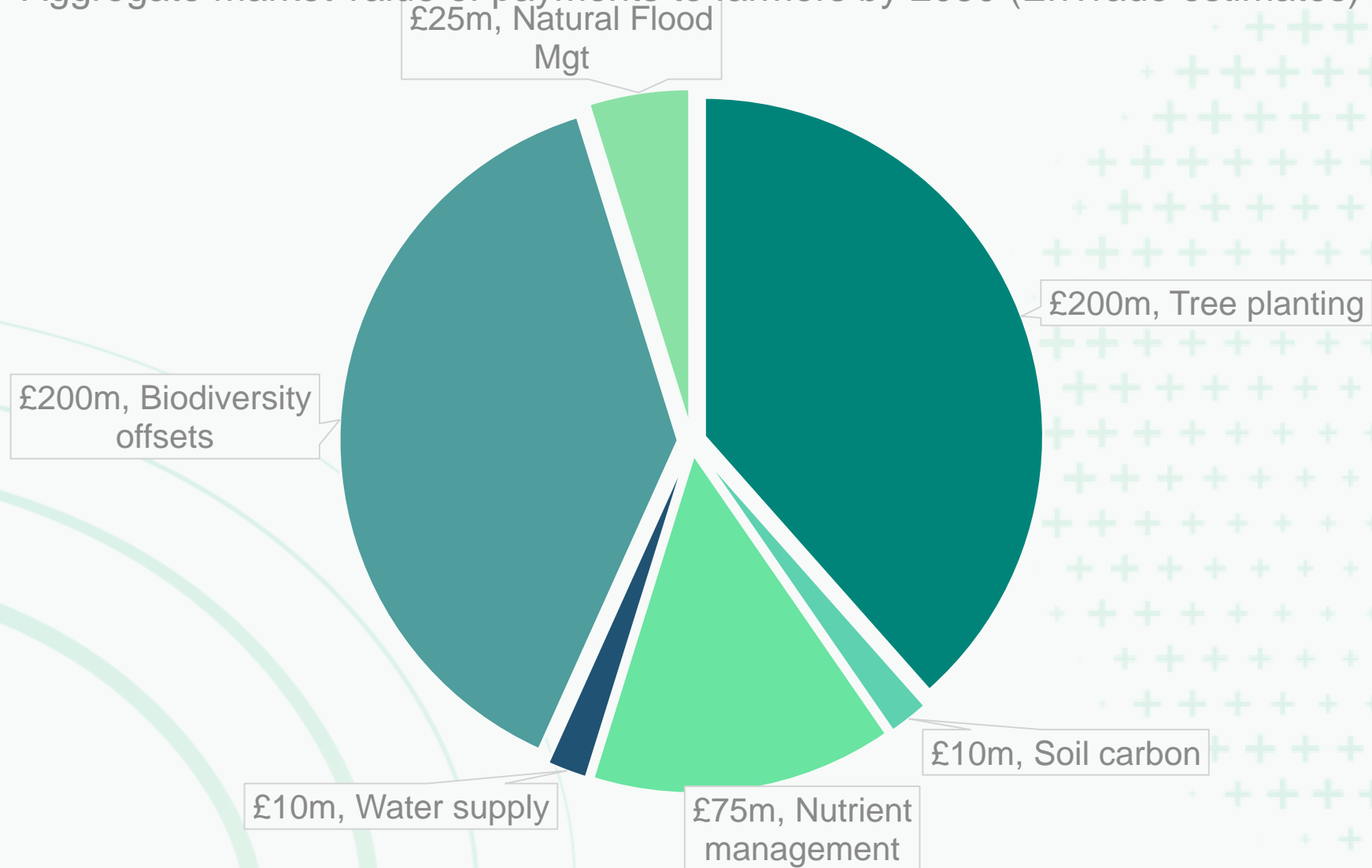
Catchment Solutions



Nature-Based Solutions

£500m Private sector market for nature-based solutions

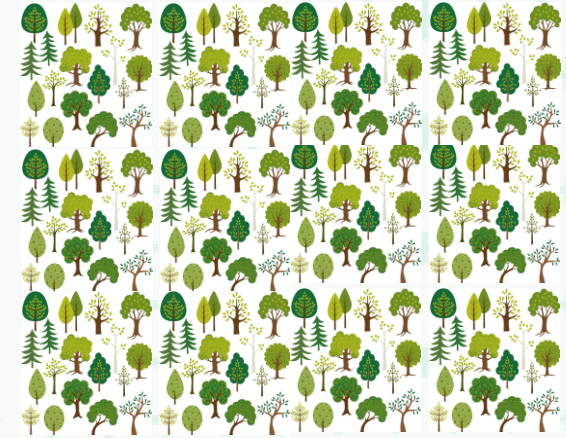
Aggregate market value of payments to farmers by 2030 (EnTrade estimates)



EnTrade: Markets for efficiency



**Up to 50%
increase in
environmental
outcomes for
same budget**



**Up to 40%
reduction in
admin cost**

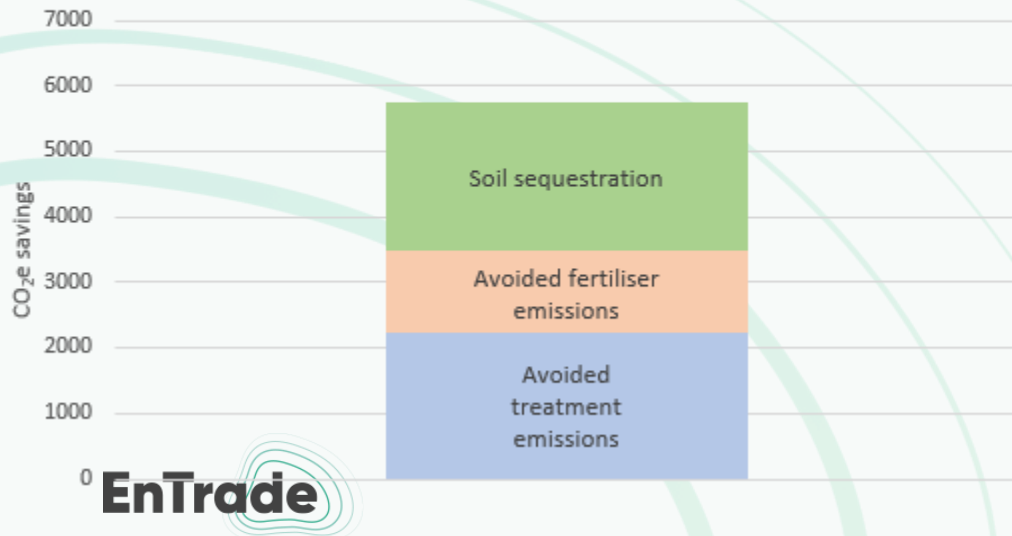


EnTrade: Stacked benefits



Microsoft, Maxar | OS, Esri, HERE, Garmin, iPC

CO₂e savings Poole Harbour offsetting scheme
2016 to 2020



Here's the values for your application:

Field PH 2

Carbon Sequestration - 44 tonnes per ha over 70 years

Soil Erosion Avoided - 3.82 tonnes per hectare

Pollination - 0.28 Units

Water Flow Attenuation - 105.29 m³ per hectare

Biodiversity Units - 1 Unit

Nitrogen - 1 kg

Phosphorus - 1 kg

N.B. These figures are modelled values based on available data. They represent our best estimate but results may vary locally.