Managing pressures in the UK

Peter Pollard
Only a few voluntary river basin planning initiatives in 1990s
## Score card – urban diffuse pollution management in 1990s

<table>
<thead>
<tr>
<th>Category</th>
<th>Score</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Problem targeting</td>
<td>6/10</td>
<td>- No corporate direction on priorities</td>
</tr>
<tr>
<td>Ownership</td>
<td>8/10</td>
<td>- Highly motivated individuals</td>
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<tr>
<td></td>
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<td>- Limited at corporate level</td>
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<tr>
<td>Technical solution</td>
<td>4/10</td>
<td>- Limited industry engagement</td>
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<td></td>
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<td>- No design guidance</td>
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<td></td>
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<td>- Limited testing of solution</td>
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<tr>
<td>Implementation solution</td>
<td>3/10</td>
<td>- 1 of 32 local development plans</td>
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<td></td>
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<td>- Responsibility for maintenance unresolved</td>
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</tbody>
</table>
SCOTTISH GOVERNMENT

- Plan approval
- Public budget
- Regulatory framework

SEPA

- Plan preparation
- Monitoring & assessment
- Environmental regulation
- Funding & technical support

Scottish Water

- Municipal waste water
- Drinking water supply
- Urban drainage

Local government x 32

- Land use planning
- Building control
- Flood schemes
Prioritising action
Improvements to waste water treatment & collection

£65 to £70 million per year (population ~ 5.5 million) + maintenance costs
<table>
<thead>
<tr>
<th>Problem targeting</th>
<th>8/10</th>
<th>♦ Prioritisation via river basin planning ♦ Some gaps in knowledge of impacts</th>
</tr>
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<tbody>
<tr>
<td>Ownership</td>
<td>9/10</td>
<td>♦ Objectives approved by Ministers ♦ Scottish Water duty to deliver</td>
</tr>
<tr>
<td>Technical solution</td>
<td>6/10</td>
<td>♦ 6 year study programme ♦ SEPA &amp; economic regulator oversight ♦ Scope for more recovery of energy/nutrients ♦ Scope for more source control solutions</td>
</tr>
<tr>
<td>Implementation solution</td>
<td>8/10</td>
<td>♦ Scottish Water responsible for build &amp; maintenance ♦ SEPA independent regulator ♦ Scope for improving framework for control at source</td>
</tr>
</tbody>
</table>
2009 to 2015

- 5800 km watercourse assessed
- 5200 bad practices

- 450 workshops & other events
- 3200 farm visits
- 11 people full time

- 1st visit, 37% farms with good practices
- 2nd visit, 86% farms moving to good practices
| Problem targeting | 8/10 | ♦ Prioritisation via river basin planning  
♦ Some gaps in knowledge of impacts |
| Ownership | 9/10 | ♦ Objectives approved by Ministers  
♦ SEPA led (dedicated team)  
♦ Farming leaders on advisory group |
| Technical solution | 8/10 | ♦ Based on established codes of practice  
♦ Modelled effects *but too early to test*  
♦ Farmers able to work out detailed solutions to suit their farms |
| Implementation solution | 8/10 | ♦ Regulatory framework of general binding rules with SEPA regulator  
♦ Advice and awareness raising  
♦ Funding for action beyond minimum  
♦ Scope for improved efficiency |
Clear priorities & responsibilities

Delivery solutions enable innovation

Technical solutions engage local expertise

Learning