Towards a Route Map for Herefordshire Consultation

Part 1 of 3: Environment indicators

For more information visit h-map.org.uk

The Bulmer Foundation

Hereford Cider Museum

21 Ryelands Street

Hereford

HR4 0LW

T: 01432 378409
info@bulmerfoundation.org.uk

Towards a Route Map for Herefordshire Consultation

How can we be sure that Herefordshire develops in a way that meets the needs of this generation while making sure that future generations will be able to meet their needs?

One way is to monitor how the county is doing in terms of the environment, society and the economy all together.

If progress starts to slip behind in one area, we as a county, can work together to bring development back on track.

To do that we need something to guide us, to point us in the right direction: a route map.

Indicators

In order to decide which areas we should monitor we undertook a long period of consultation across the county with community groups, businesses and individuals.

As a result of this consultation we can say, with confidence, what areas the county wants to see progress on.

We call each of these areas an indicator.

Data

For each indicator we need some evidence of whether things are improving, staying the same or worsening: some data.

Ideally the data that we used to monitor a indicator should be open data.

(Open data is data that anyone can access, use or share. There is more on this on the ODI website https://theodi.org/what-is-open-data)

If we can't identify open data that we can use then we have tried to identify restricted data, in the hope that we will be able to persuade the owner of the data to allow it to be used for the route map.

For each indicators, we look at the data and decide whether the data suggests that things are getting worse, staying the same or getting better. That gives us a summary: an measure of progress.

We propose, where possible, to look at the short and long term trends in each indicator to decide whether things are improving or getting worse. In some cases this may to be suitable given the way the data are collected. In those cases we will consider alternatives (like comparing to a fixed target).

If we can't identify a suitable dataset for a particular indicator we will look to develop projects that collect data in those areas.

Priorities

We have bundled the measures and indicators into groups which we call priorities.

At this stage we need to present our progress to the people of the county and ask for their help.

In particular we would really like to hear your answers to these questions.

Data

For each indicator where you have expertise or knowledge:

- have we picked the right dataset?
- what alternative dataset would you recommend we chose instead (or as well)?
- do you (or does your organisation) hold a more suitable dataset and can we use it?

Is it sensible to use short and long term trend to measure progress or should we measure this using an alternative approach.

Overall

We are asking for feedback on the Natural Resources indicators.

To what extent do you agree with our approach in regards to:

- using open data
- the method we plan to use to generate the indicators

And we'd like to hear from you if you have any comments or suggestions on the project in general. Or if you'd like to work with us in the future.

There are two ways to respond to this consultation. You can email your thoughts to info@bulmerfoundation.org.uk or you can respond using this form online.

Other indicators

In the coming weeks we will be asking for your comments on the Safe and Strong Communities indicators and the Resilient and Fair Economy indicators.

Natural resources

Environmental protection & enhancement

ID	Measure	Indicator	Justification	Data (if we have identified a source)	Data Status
E1	Air quality	Nitrous Dioxides	This is the only atmospheric pollutant measured by Herefordshire Council. The council publishes levels from monitoring stations in several locations. How should we combine these? Would an average of all stations be sufficient or should we treat the data differently?	https://datahub.io/dataset/nitrogen-dioxide-emissions-2010-2014/resource/479f7fb9-1ae1-42bf-af5e-ba43635d3e85	Open
E2	Soil	Soil	In the community engagement this was proposed as an indicator. There are many datasets for soil Do you have any suggestions for the best dataset to use?		
E3.1	Landscapes	Common land	In the community engagement common land was proposed as an indicator. Common land per se may not be an appropriate indicator. Perhaps we could measure the % of land of different types. Do you have any suggestions for datasets?		
E3.2	Landscapes	Farmsteads retaining historic	In the community engagement this was proposed as an indicator.		

		footprint/working building	But we are not sure what datasets should be used. Do you have any suggestions for datasets?		
E3.3	Landscapes	Habitats and species; land based schemes; landscape classifications.	In the community engagement this was proposed as an indicator. But we are not sure what datasets should be used. Do you have any suggestions for datasets?		
E4.1	Water quality	Ecological status or potential in parts of main rivers within county.	Measured and published by Environment Agency. Status is recorded for multiple points along the rivers. We need to summarise these records for the county. Should we just take the mean of all records or is there a better way to approach this?	https://datahub.io/dataset/summary-of-ecological-status-or-potential-in-main-rivers-in-herefordshire	Open
E4.2	Water Quality	Nitrates	In the community engagement this was Nitrate levels were proposed as an indicator. In fact we think that phosphate levels are a more pressing concern in the county. We don't know of datasets that measure either phosphate levels directly or that measure issues like soil erosion (which has a significant impact on phosphate levels). Do you have any suggestions for datasets? Is this an area suitable for a new data gathering projects?		
E5.1	Heritage	Scheduled	Data published but under a		Restricte

		Ancient Monuments at Risk	restrictive licence. Though a recent FOIA response appears to publish them under OGL		d
E5.2	Heritage	Number of listed buildings in the county per year	Data published by Historic England apparently facilitating re-use. Do you agree with the use of this dataset? Do you have any suggestions for alternative datasets?	https://datahub.io/dataset/listed-buildings-in-herefordshire/resource/f1553626-127f-4ba7-b553-18140fecfb51	Believed to be open
E6.1	Biodiversity	% of SSSI land in a favourable and unfavourable condition.	Data published by Natural England shows when SSSIs were registered and when they were last assessed. This also shows how they were assessed. This gives us an estimate of the % of SSSI land in a favourable condition by year. But this is not a true time series. This might be more suitable for measuring against a set target. Do you agree? What should be the target (or how should it be set?	https://datahub.io/dataset/sites-of-special-scientific-interest-in-herefordshire/resource/6c5c0523-09a6-4884-b338-030d7c011bad	Believed to be open
E6.2	Biodiversity	Sites under active management	No report for Herefordshire since 2012. It is not clear why. If Herefordshire records were reported into this dataset it would be suitable for inclusion Do you have any suggestions as to how reports can be restarted for this data?	https://datahub.io/dataset/local-sites-in-positive-conservation-management-in-herefordshire/resource/a0a92408-ba16-42da-b5b4-7c155e377eb0	Open
E6.3	Biodiversity	% of sites on NNR and SAC in an unfavourable condition	Data published by Natural England shows when NNRs and SACs were last assessed. This also shows how they were assessed. This gives us an estimate of the % of sites in a favourable condition by year. Because the River Wye SAC	https://datahub.io/dataset/special-areas-of-conservation-and-national-nature-reserves-in-herefordshire	Believed to be open

			is narrow measuring % land mass may not be suitable But this is not a true time series. This might be more suitable for measuring against a set target. Do you agree? What should be the target (or how should it be set?		

Resource use and efficiency

E7.1	Waste	Total household waste collected by Herefordshire Council	We propose to use this dataset published by Herefordshire Council. It is a widely understood and benchmarkable dataset. Do you agree?	https://datahub.io/dataset/herefordshire-household-waste-2016-2015	Open
E7.2	Waste	Total household waste collected by Herefordshire Council sent for recycling.	We propose to use this dataset published by Herefordshire Council. It is a widely understood and benchmarkable dataset. We could use the % of household waste collected that is sent for recycling. It would be derived from the same data but might measure slightly different outcomes.	https://datahub.io/dataset/herefordshire-recycling-2006-2015/resource/e1dc7875-132e-435c-b273-647ccf7d1faa	Open
E8.1	Energy	Energy consumption by type	Energy Consumption by sector in Herefordshire (GWh)	https://datahub.io/dataset/herefordshire-energy-consumption-gwh-by-sector-2015-2013	Open
E8.2	Energy	Energy generation inc. CHP	This was identified in the community consultation but we think that data are only available at national level		

			and so we may not be able to measure progress at herefordshire level. Have you got any advice?		
E9	Water	Water use in agriculture	This was identified in the community consultation but we aren't clear on what data could be used to measure this. Can you help us?		

Climate Change

E10.1	Carbon dioxide	Emissions	Total carbon dioxide emissions by sector	https://datahub.io/dataset/herefordshire-co2-emissions-kt-co2-by-sector-2005-2013	Open
E11	Renew-ables	Solar PV installation rate	Total installations of Photovoltaics by sector in Herefordshire	https://datahub.io/dataset/herefordshire-photovoltaic-installations-by-sector-2011-2015/resource/bf38bcf7-e907-48c8-938a-47c2620cad21	Open