# Landscape Physical, social, cultural

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### **Glastir outcomes**



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### Who derives landscape benefits from Glastir?

- What aspects of the Welsh landscape do the public value?
- Do different groups value the landscape in similar ways? Or are there important differences?
- How do we measure this?







@ Photographs Richard Croft & Penny Ashcroft 2013







## Aims of the landscape work



To assess landscape quality: complexity, topography, heterogeneity, built components, seasonal diversity and 3D visual setting.



To quantify the **visual accessibility** of these landscapes to the general public.



To quantify the **historic assets** and sites provided, their condition and the socio-economic benefits derived from them.



To quantify the impact of change to these landscapes as implemented under the targeted elements of the Glastir scheme.



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### Spectacular?







## How does the landscape model work?



- 1. Calculate a **Visual Quality Index** for each 1 km<sup>2</sup> survey square
- 2. From the PROW, model a range of **Viewsheds**:
  - Calculate what can be seen within the surveyed 1 km<sup>2</sup>
  - Calculate what can be seen of the surrounding 3 x 3 km<sup>2</sup>
  - Calculate what part of the  $1 \text{ km}^2$  can be seen from the  $3 \times 3 \text{ km}^2$
- 3. Combine



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### Visual Quality Index



## The Viewshed Model: Results

### The detailed view

#### (what can be seen from within the 1km)





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### The surrounding view

(what can be seen from the surroundings)





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## Combining the VQI and the viewshed









Not visible Zone of Visual Influence







## How do we use it in GMEP?

To derive a **measure** of landscape quality which:

- Allows us to rank and compare the sites
- Allows us to monitor **change** over time
- Provides detail on the **constituents of quality**









## What can it tell us about the scheme?

VQI vs. Visual Accessibility



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Programme

### Testing data: Public preference survey









### Next steps for the landscape work in GMEP

- Public survey of welsh landscape preferences:
  - internet
  - face-to-face at roadshow events
- Glastir landscape interventions modelled 10 20 years into the future
  - Using computer gaming technology
  - Engaging different "publics" (urban? young? disabled? socially disadvantaged?)





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# Thank you

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