

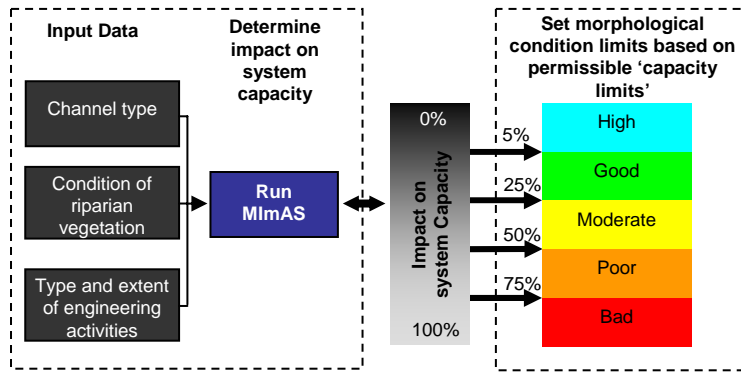
# River MImAS: A new approach to assessing the morphological impacts to rivers



Stuart Grieg, Roy Richardson & Chris Bromley

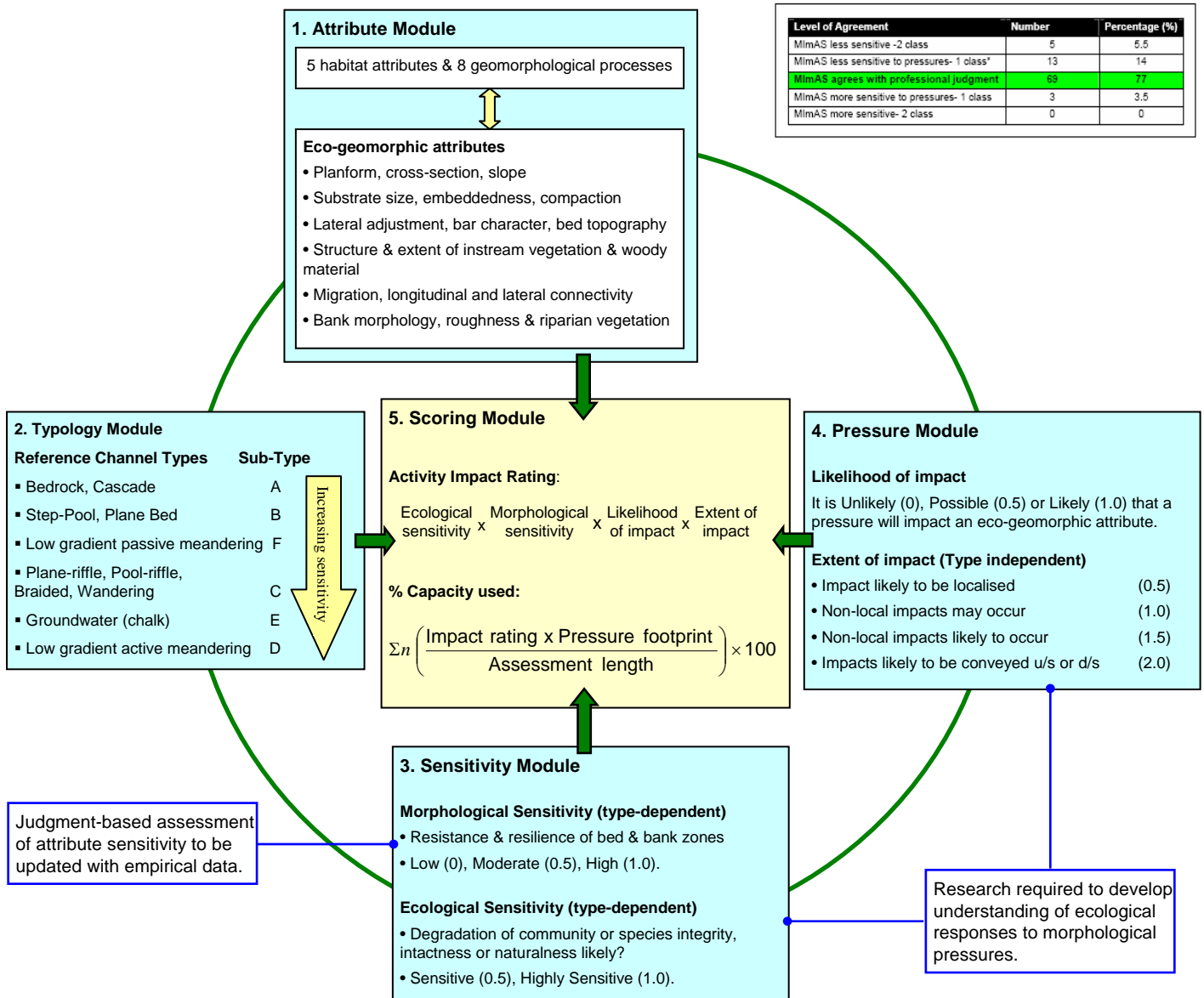
Chris.Bromley@sepa.org.uk

## 1. Overview



- WFD classification & regulation of river engineering activities.
- Expert judgment-based **risk assessment** tool.
- Assumes that river systems have some **capacity** to absorb change without changing their ecological quality.
- Attributes based on geomorphological processes and form.
- **Morphological Condition Limits** can be set by expert judgment. If exceeded, they indicate that ecological status is at risk.
- The degree of morphological alteration and ecological status is related.
- The response of morphology to pressures is predictable and depends on morphological sensitivity.
- The response of ecology to morphological changes is predictable and depends on ecological sensitivity.

## 2. Details



## 3. Validation