

## **Citizen science within an integrating monitoring landscape**

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Participation in citizen science has increased significantly over the past decade. This has led to a huge increase in the volume of data available from citizen science initiatives. However, other sources of data also exist and, whilst the growth in volume may not match that of citizen science, they offer many analytical advantages. In this talk I consider how citizen science data should be considered as part of an integrated monitoring landscape and how different sources of data can be used together to provide a greater understanding of ecological and environmental change. I will present an example using data on freshwater biodiversity from both citizen science schemes and structured agency monitoring. I will also talk about how analytical outputs from integrated analyse should be used to maximise the efficiency in the collected of data.