

# A Global Index for National Spatial Data Infrastructure – Needs and Next Steps

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***With thanks to: Joep Crompvoets, Dave Lovell, Paul Jepson, and  
Susanne Schmitt***



# THE MOST COMMON THREAT TO DECLINING POPULATIONS IS THE LOSS AND DEGRADATION OF HABITAT

FISHES (205 populations)



AMPHIBIANS (55 populations)



REPTILES (49 populations)



MAMMALS (19 populations)



BIRDS (121 populations)

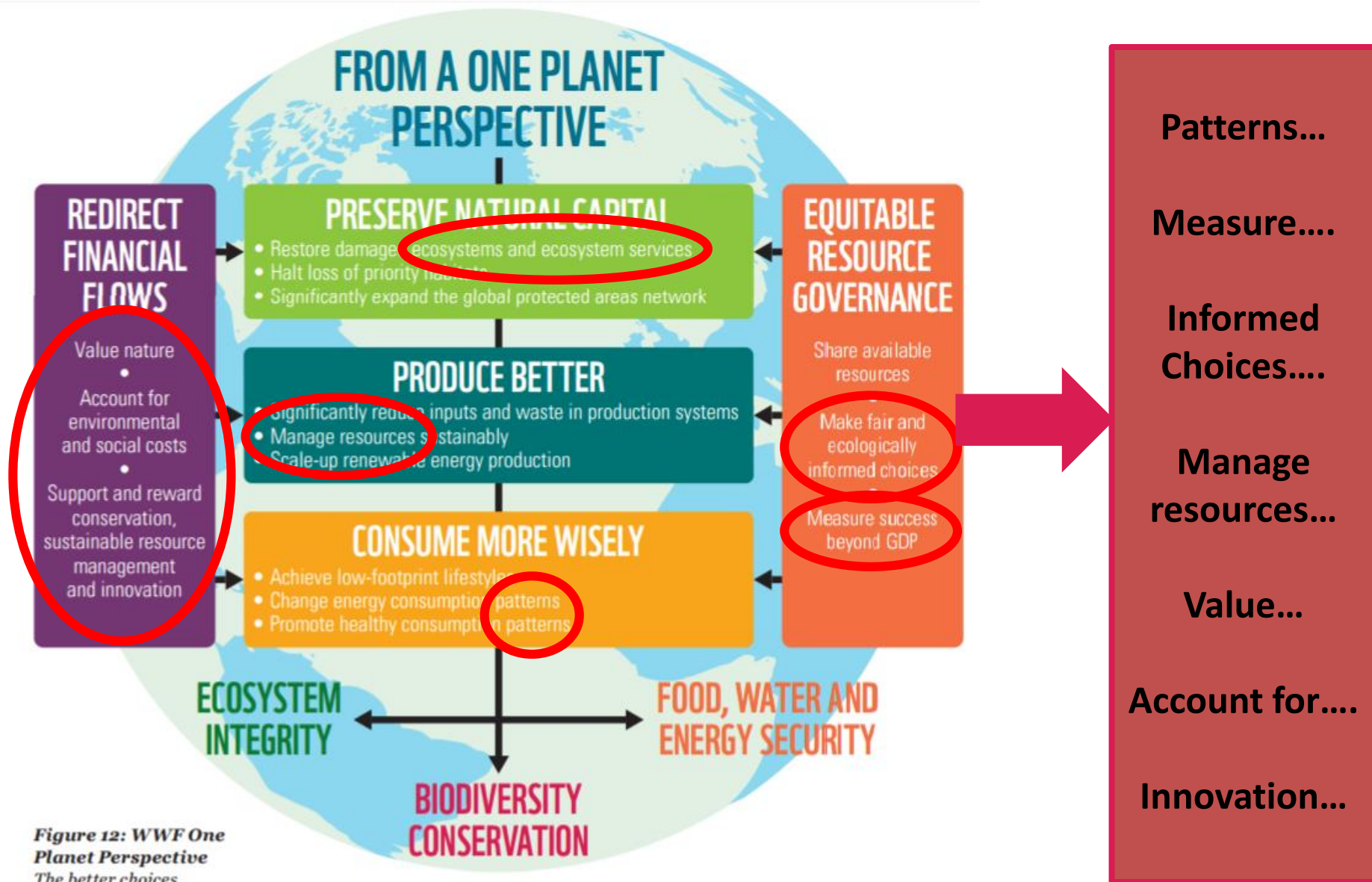


*Figure 14: Taxonomic differences in threat frequency for 449 declining freshwater populations in the LPI database (WWF/ZSL, 2016).*

## Key

- Climate change
- Overexploitation
- Habitat loss / degradation
- Invasive species and disease
- Pollution

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%



***“If you look at the Sustainable Development Goals... all of them deal with information and all of that information has some relationship to where those events or where those activities are happening on the Earth. In order to make the Sustainable Development Goals really meaningful, they have to know where these events are happening.”***







**Political Support**



**Fluctuating  
Funding**

**WWF- UK  
assessment**



**Framing and  
Context**

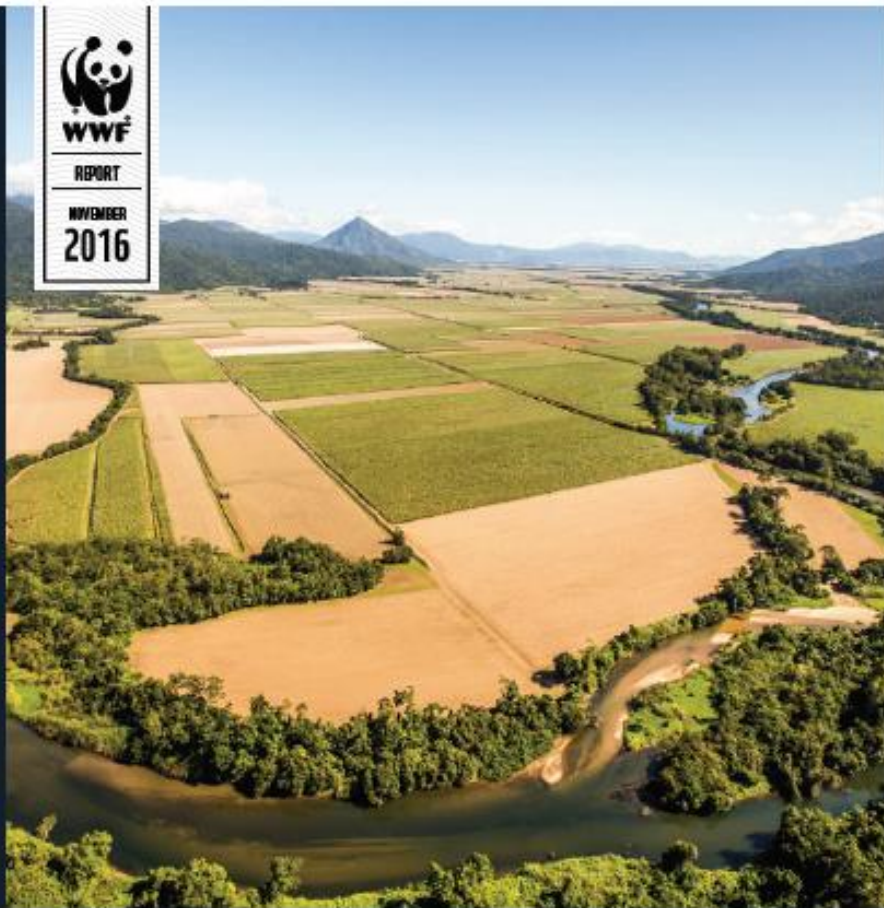


**Smart Cities  
Provide  
Opportunities**



REPORT

NOVEMBER  
2016



# The Status and Importance of National Spatial Data Infrastructure: A Survey of WWF-UK Priority Countries

Chandler, G and Schmitt, S.F.



SMITH SCHOOL OF ENTERPRISE  
AND THE ENVIRONMENT



## A National Spatial Data Infrastructure Index: Justification and Design

Discussion Paper  
May 2016

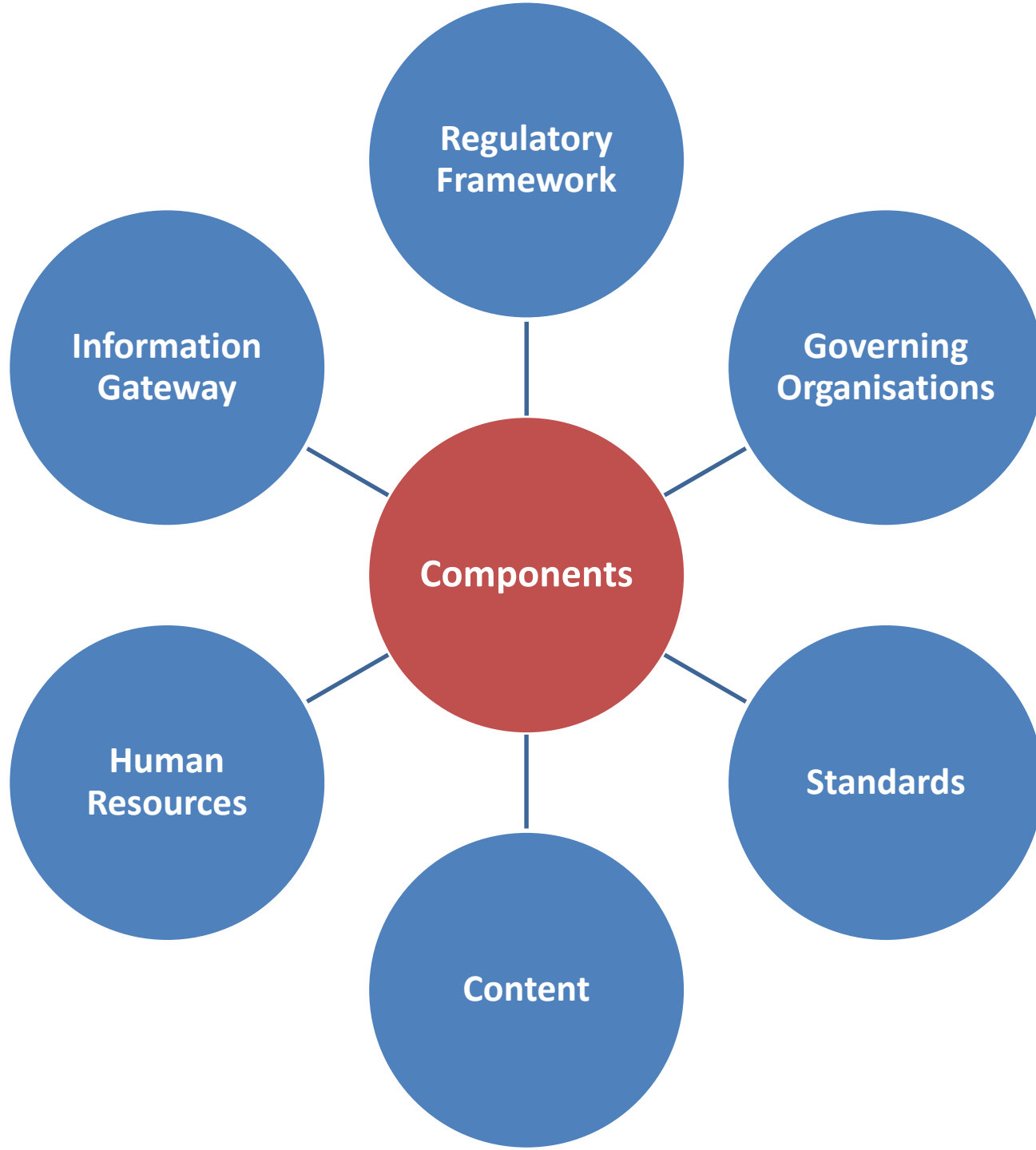


Authors: Georgina Chandler, Mari Mulyani, Susanne Schmitt, and Paul Jepson

An aerial photograph of a rural landscape. In the foreground, there's a dark, winding river or stream. Beyond it, the land is divided into several rectangular fields, some of which appear to be agricultural. There are patches of trees and shrubs scattered throughout the landscape, particularly along the edges of the fields and the riverbank. The overall tone is somewhat muted, with a mix of greens, browns, and greys.

## An Index to assess National Spatial Data Infrastructure

- Six high –level key indicators
- A top level, multi-stakeholder assessment
- Should stimulate more detailed inquiry at the national and regional level for specific indicators





An aerial photograph of a river delta, showing a complex network of channels and distributaries. A large, semi-transparent red rounded rectangle is centered over the image, containing white text. The background image is in grayscale, highlighting the intricate patterns of the waterways and the surrounding land.

## Next Steps

- Pilot test index
- Paper published
- Roll out globally
- Results hosted by the GSDI website

An aerial photograph of a landscape featuring a winding river, agricultural fields, and dense tree lines. The image is in grayscale and serves as the background for the text boxes.

Thank you for listening

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