



Department
for Environment
Food & Rural Affairs

Innovation through to impact – linking policy priorities to R&D

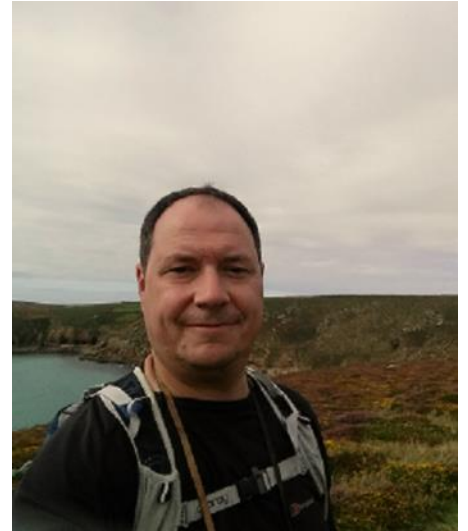
Copernicus Water Quality Workshop – 14th October 2020



Jon Hicks – Defra Chief Scientific Advisor's Office

A quick introduction

- Jon Hicks
- Chief Scientific Advisor's Office in Department for Environment, Food and Rural Affairs (Defra)
- Earth Observation Policy
- Earth Observation Centre of Excellence
- EO Research and Development lead
- Copernicus User Forum – UK co-lead
- Copernicus Framework Partnership Agreement
UK Coordinator



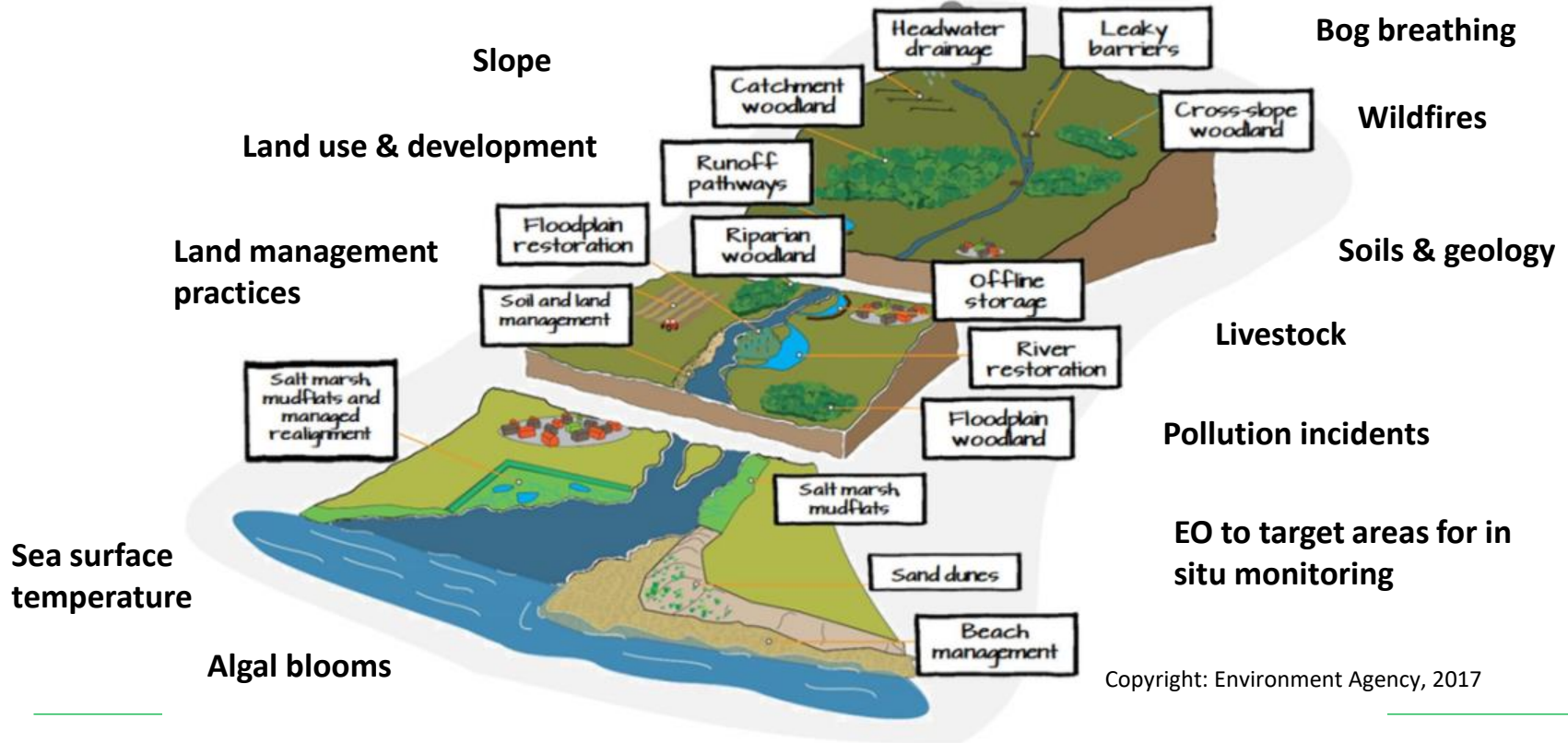
Introduction to the last session

- This session is to think about and discuss the developments and science presented and how we can maximise the use of these.
- Panel will be answering some of the questions raised during the workshop
- How can we get them to meet policy priorities?
- Are there good examples we can learn from?
- Are there clear policy priorities we can focus on and make an impact both domestically and internationally?

Policy Priorities to R&D

- Changing policy in the UK e.g. Defra Bills on Agriculture; Environment etc.
- Defra EO Centre of Excellence has looked at other policy areas, what is needed for water quality?
- R&D is not the solution but helps provide evidence for or against a policy, or delivery decision – Evidence based policy
- Do we have the right evidence; what is the quality like; what is missing?
- Do we use, renew, or create from new?
- What are the requirements? Create a baseline, direct observation or identify risk factor. Spatial and Temporal?
- Open or Closed system? Systems Thinking

Direct observation, proxy, risk factors and multi-use data



Panel Discussion

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- What are the priority applications for water quality monitoring to meet UK / EU policy requirements?
- What research and development is needed to make these operational?

Post and upvote suggestions here: <https://meet.ps/eo4water>

Panel:

Jon Hicks	Copernicus Policy Lead and EO Centre of Excellence Secretariat Manager, Defra
Andrew Tyler	Professor of Environmental Science, University of Stirling
Claire Neil	Senior Specialist Scientist, Scottish Environment Protection Agency
Gwawr Jones	Senior Earth Observation Specialist, JNCC
Helena Sykes	Lead Specialist Advisor, Remote Sensing, Natural Resources Wales
Shubha Sathyendranath	Merit Remote Sensing Scientist, Plymouth Marine Laboratory
Stefan Simis	Earth Observation Scientist (Inland/Coastal Waters) Plymouth Marine Laboratory