

Keynote 2: Managing and Applying Hydrological Data Transcript

15 July 2025, 08:02am

□ **Samantha Rees** started transcription



Samantha Rees 0:03

Over to you, Lucy, whenever you want to start.



Lucy Barker 0:07

Perfect. Thanks Sammy. Good morning, everybody. I'm Lucy Barker. I'm a hydrologist here at Ukch in Wallingford. I just set my presentation up. That's my lovely dog Mongo, and I'm going to talk today.

Also, Sammy, I can't see anybody now, so do do. Just shout if if you need anything and I do have a timer. So I'm going to try my hardest to leave time for questions.

Yeah. So I'm a hydrologist here at Ukch in Wallingford and I am work within the water resources and drought group.



Samantha Rees 0:24

Yep.

Thank you.



Lucy Barker 0:41

So no surprise, I'm going to be talking to you about droughts this morning and past, present and future. And the crucial part is this is not just my work. This is work from basically from everybody within our group. There's more that I couldn't fit into the time. So if you, I've tried to note where I've got.



Brook Legese 0:53

Yeah.



Lucy Barker 1:01

Slides from other people, so and in the in the copy that I sent to Sammy, I'm going to make sure that people's emails are in there as well. I just and there's a hyperlinks

world papers and things I just didn't quite have time to do that for what I'm showing you today. But I will do that for the version that gets sent round.

So yeah, droughts. So why do we care about droughts here in the UK? I think this is what we would normally think of as stereotypical English weather or UK weather, wet and rainy, a bit cloudy, but you might have noticed it particularly well depending where you are.

In the UK, it has been a little bit dry recently. We've had the 2nd driest start to the year in a series from 1890, and if we look at river flows since the start of the spring, we can see we've had really those dark red dots are showing that we've had exceptionally low flows.

The ones with the extra circle round showing that their record low flows for that catchment for this March to June period. This was this is from our hydrological summary which was published just yesterday for June and you will have also probably seen in the news there's lots of been lots of.

A few stories about the dry weather and its impacts on, particularly on water supplies. So I've got a screenshot there of that was the first hose pipe ban or temporary use ban that was announced by Yorkshire Water and a couple of weeks ago that's just come into force.

And actually, just after I made my slides, yes, this slide yesterday, Thames Water have also announced a hosepipe ban that will cover us here in Wallingford and other places in their region, but also significant impacts on agriculture.

And on livestock as well as harvest and yields and yield quality as well.