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Hydrological Soundscapes

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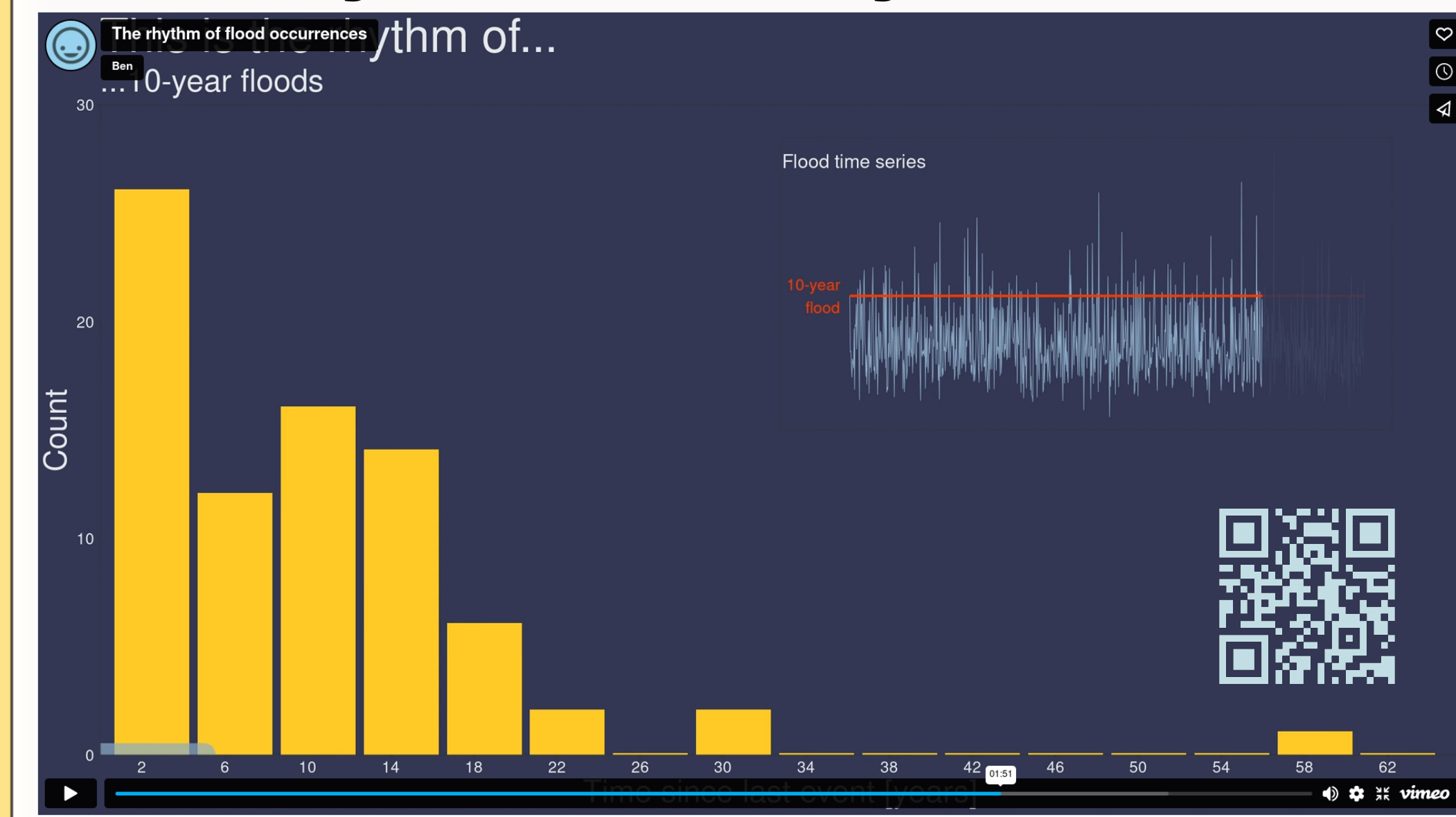
<https://hal.inrae.fr/hal-04388845>

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The rhythm of 10-year floods



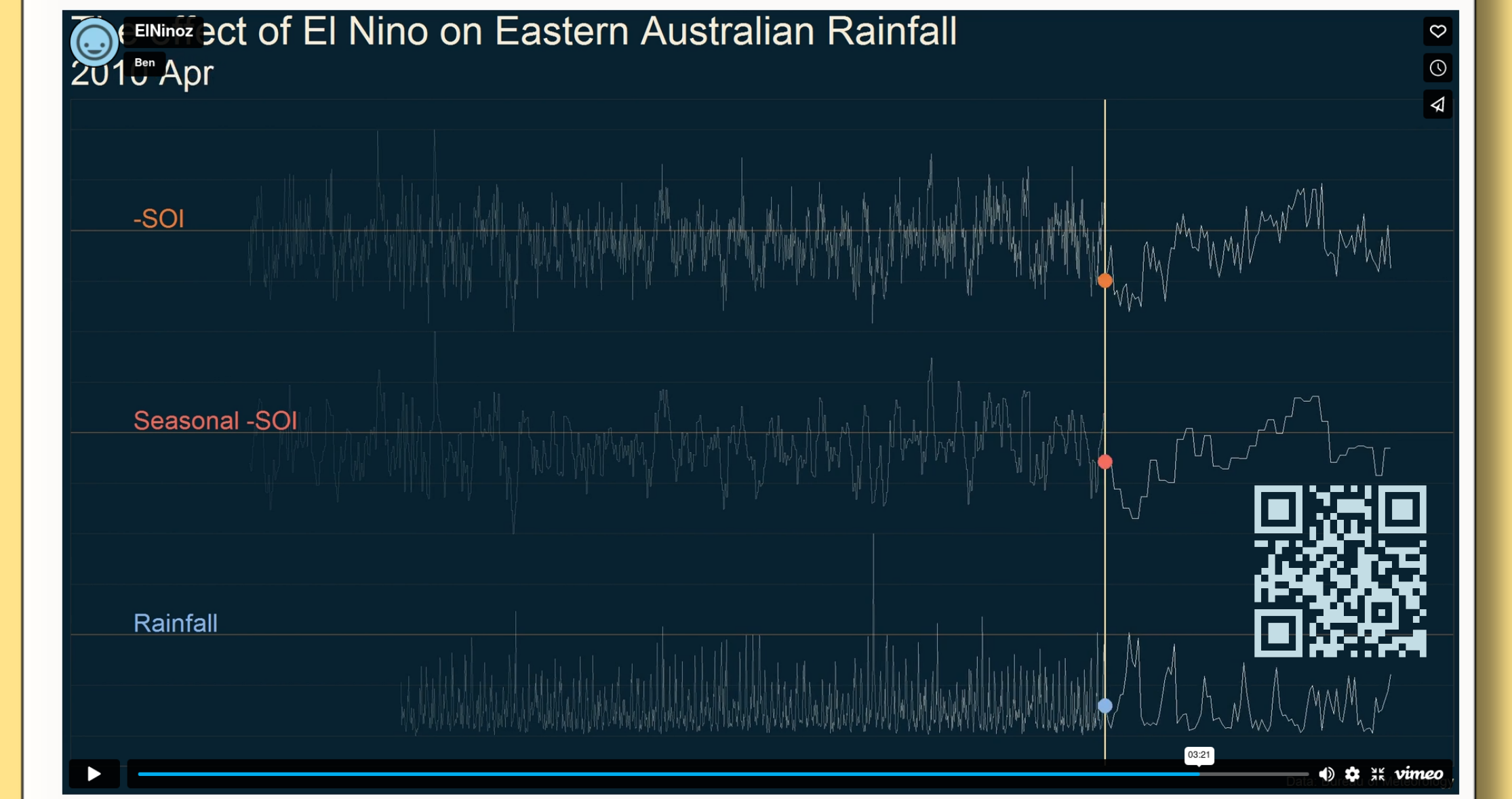
<https://vimeo.com/653714131>

Data sonification is in many ways similar to data visualization (but using the ears rather than the eyes)

Mapping between data values and sound properties such as the volume and pitch of notes (counterparts of the size and color of symbols in a graph)

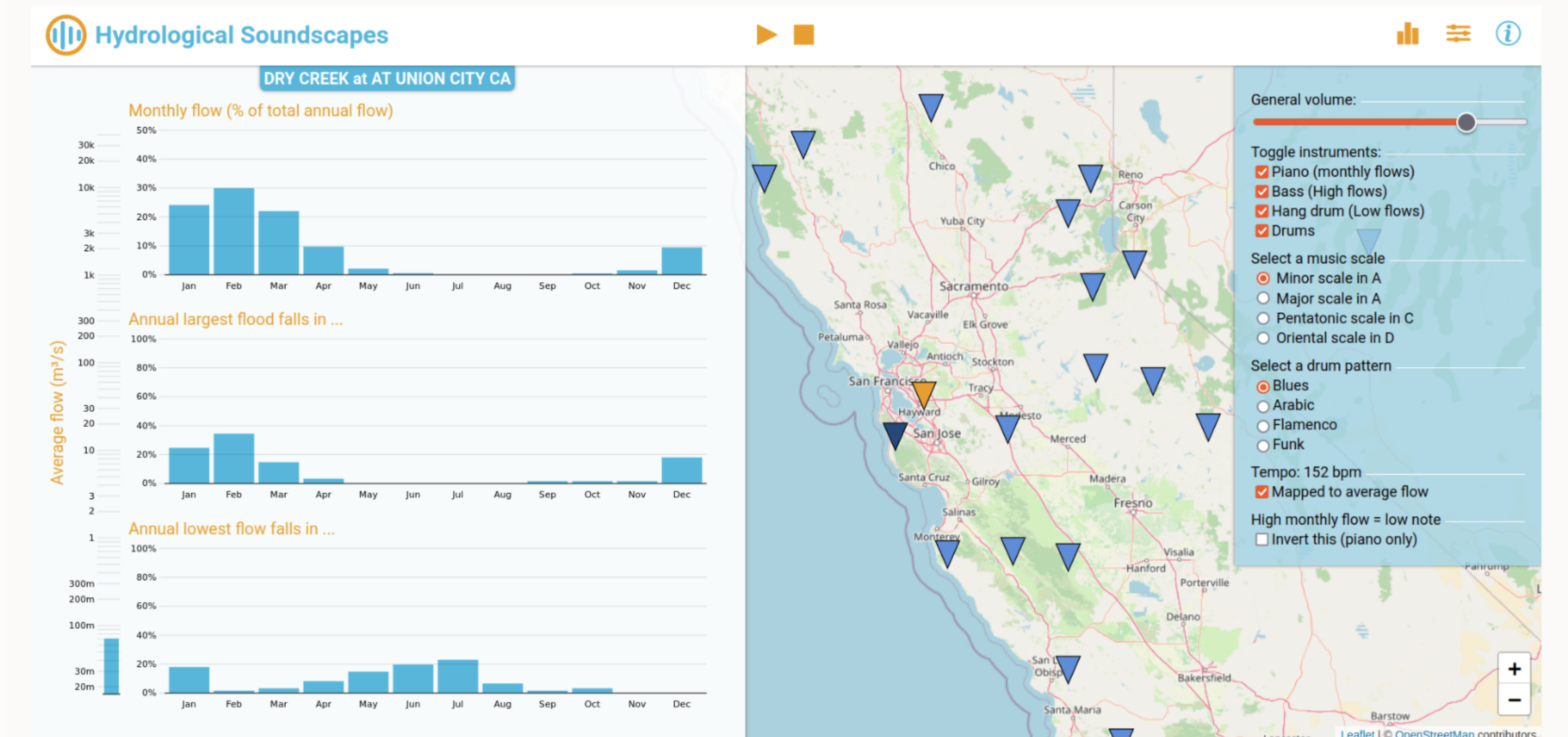
With a few extra ingredients, it is possible to move from sound to music!

El Niño and Australian rainfall



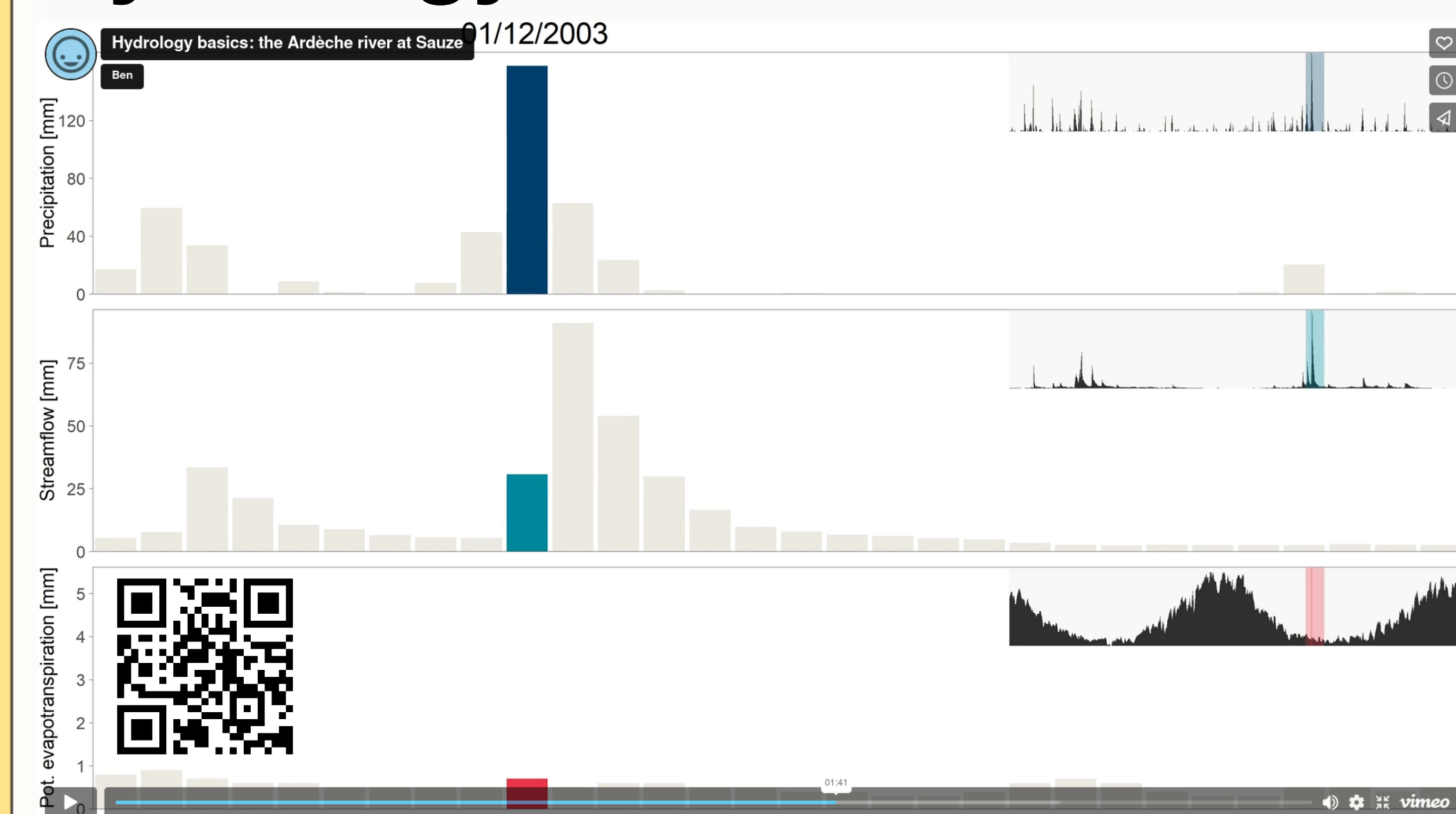
<https://vimeo.com/440621263>

An interactive musical exploration of hydrological regimes in the world



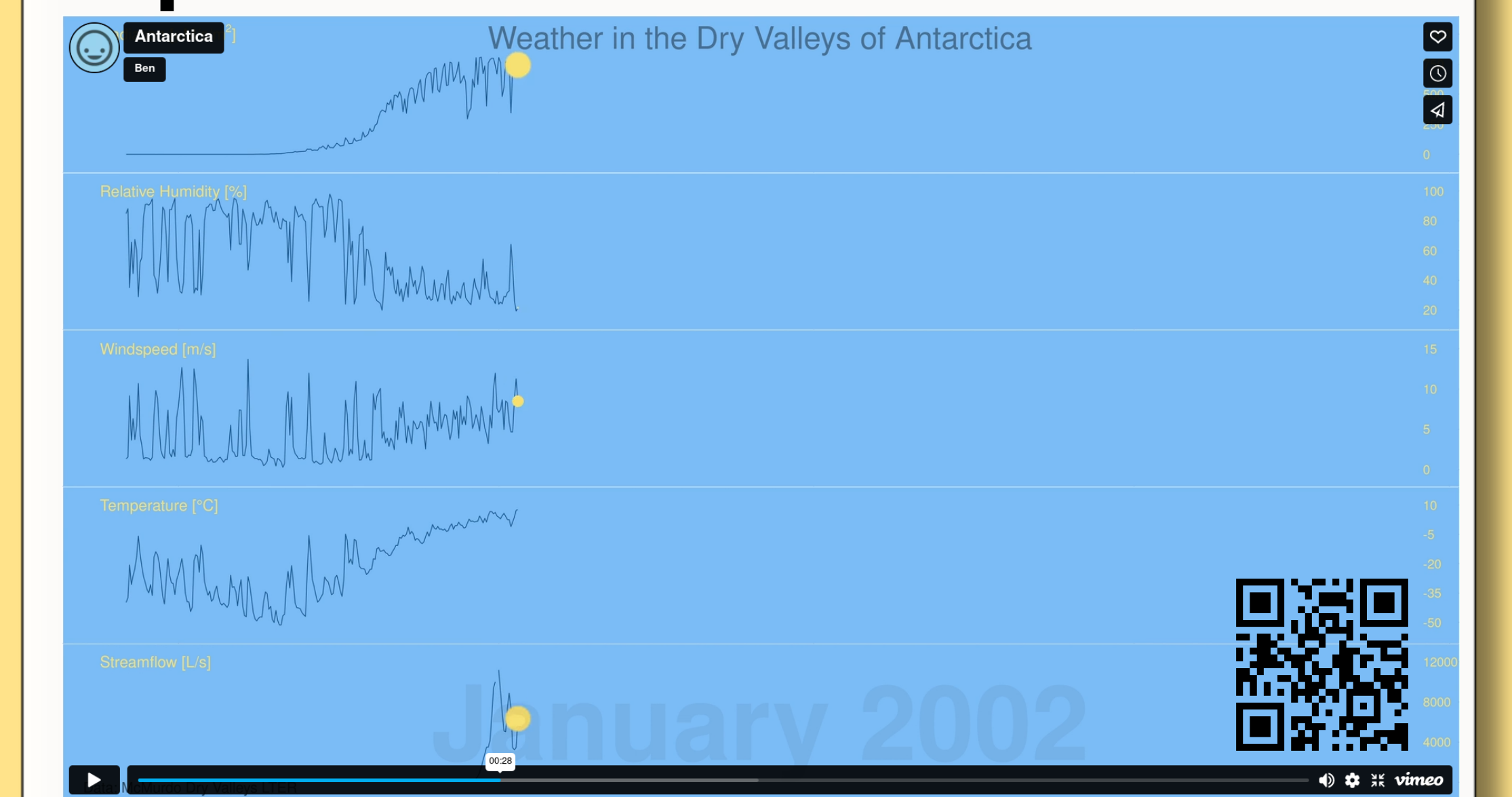
<https://hydrologicalsoundscapes.github.io>

Hydrology 101



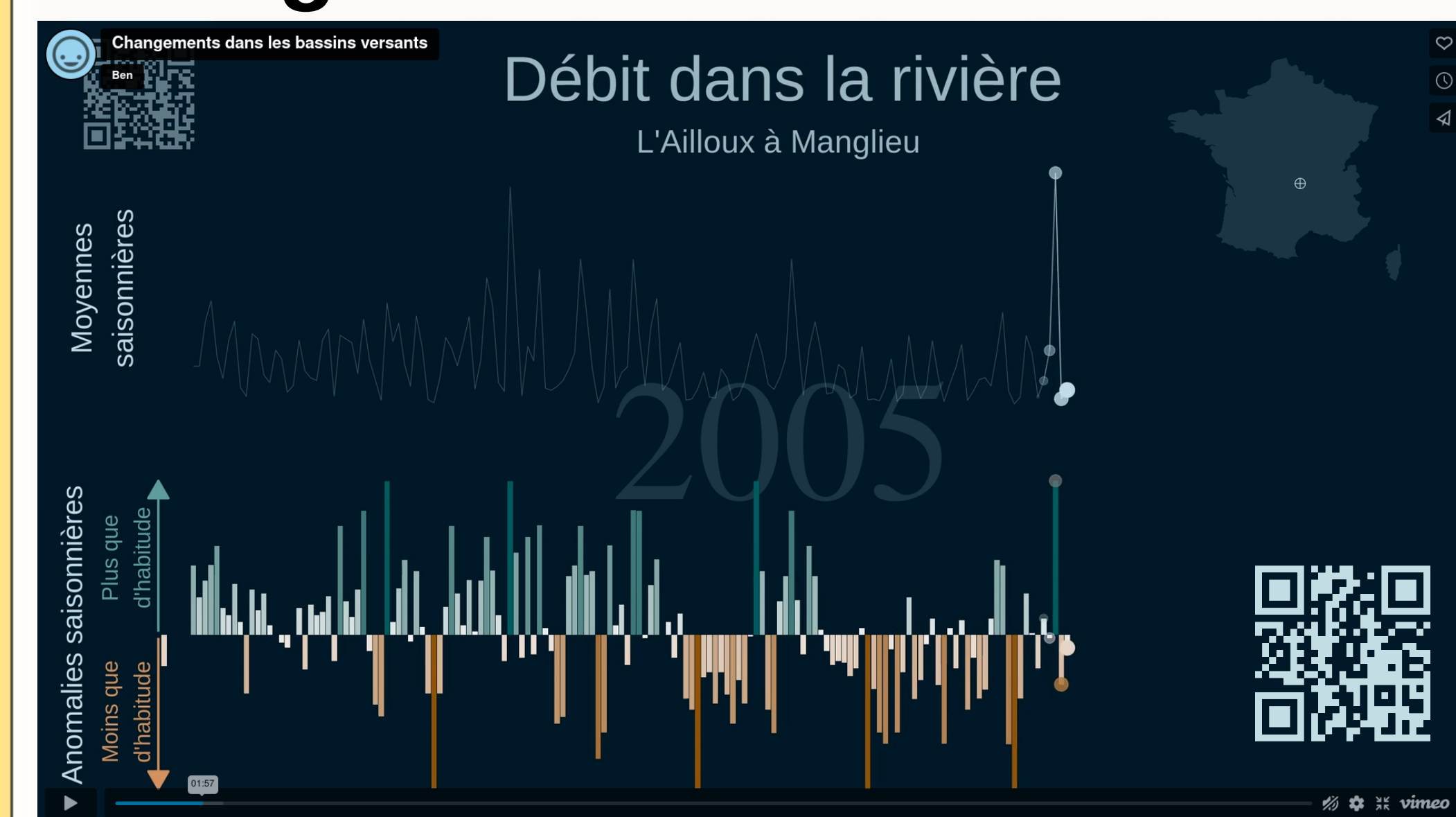
<https://vimeo.com/481648928>

A postcard from Antarctica



<https://vimeo.com/653705727>

Changes in French catchments



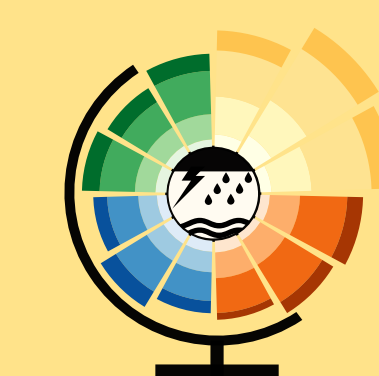
<https://vimeo.com/746451180>

Aren't we missing something by looking at the data without listening to it?

Data-based musical animations may constitute engaging starting points to discuss scientific concepts or results.

Sonifying data is quite fun and is a great way to learn new skills!

For more videos and explanations:



globXblog

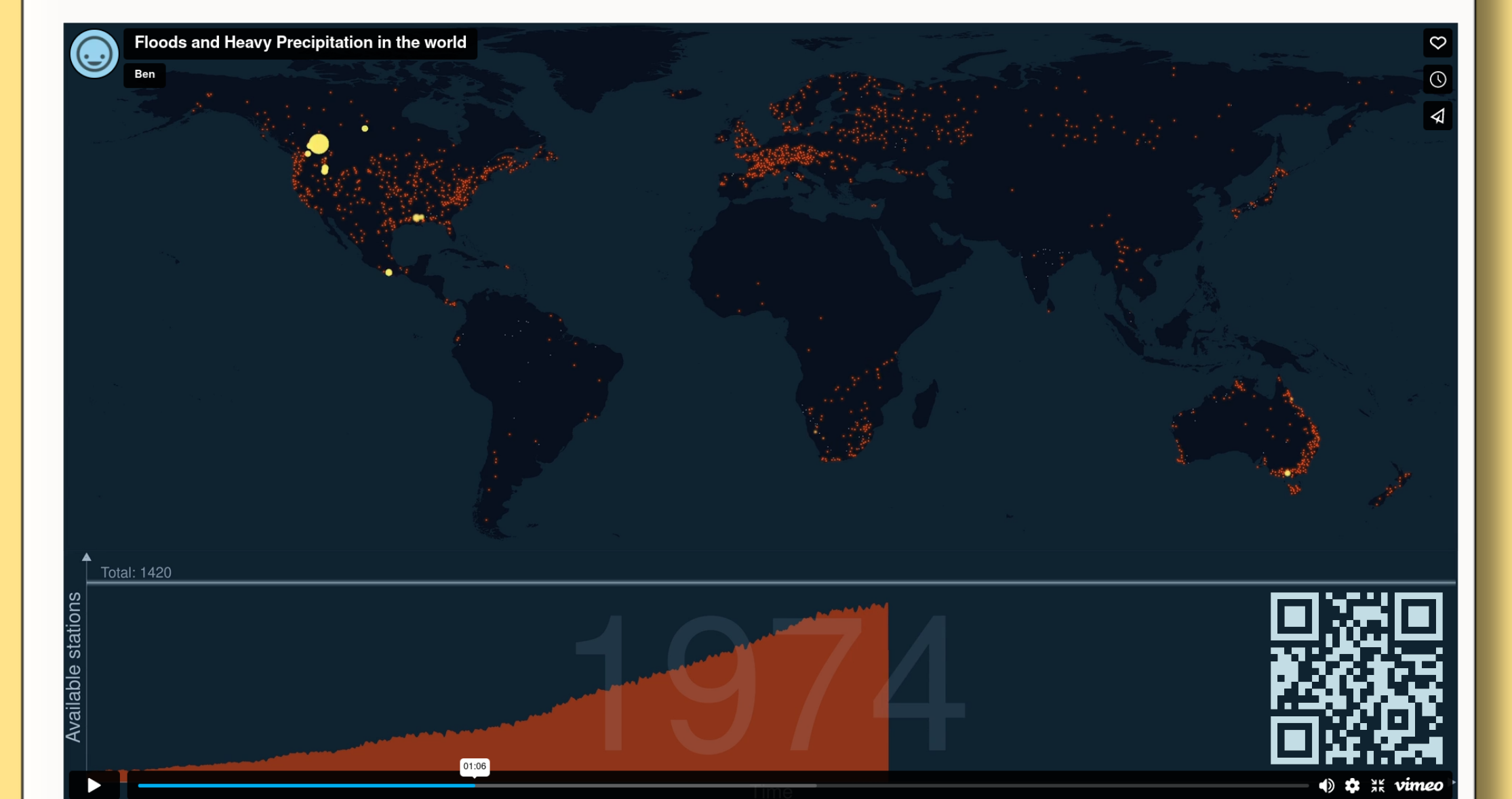
A blog exploring global hydrologic eXtremes



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Floods in the world 1916-2015



<https://vimeo.com/802751683>