The Music of Water

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Making music from hydrological data

Step 1: data sonification

- Data values → note properties (pitch, volume)
- Very similar to data visualization

Step 2: musical arrangement

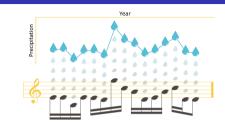
- Move from sound to music
- Play with tempo, rhythm, harmony, etc.

Step 3: music video

Data animation

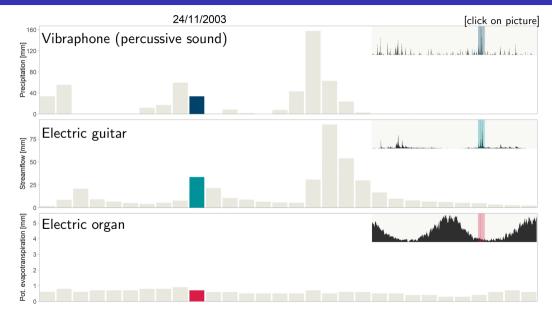
Objective: science communication

- Engaging starting point to present scientific concepts or results
- Add emotional content to the story told by the data





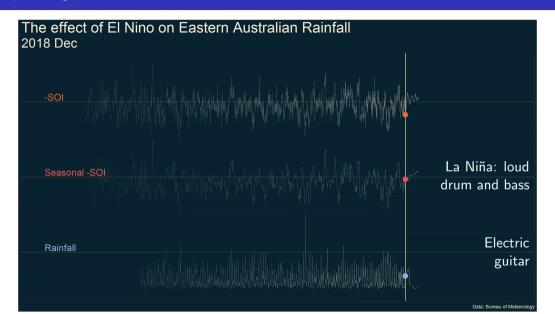
1. The Basics of Hydrology



2. Antarctica



3. El NiñOz



Thank you!



More videos at:

https://globxblog.inrae.fr/

https://vimeo.com/user113807574



Interactive apps:

https://hydrosoundscapes.recover.inrae.fr

https://hydroapps.recover.inrae.fr/au-son-des-rivieres



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