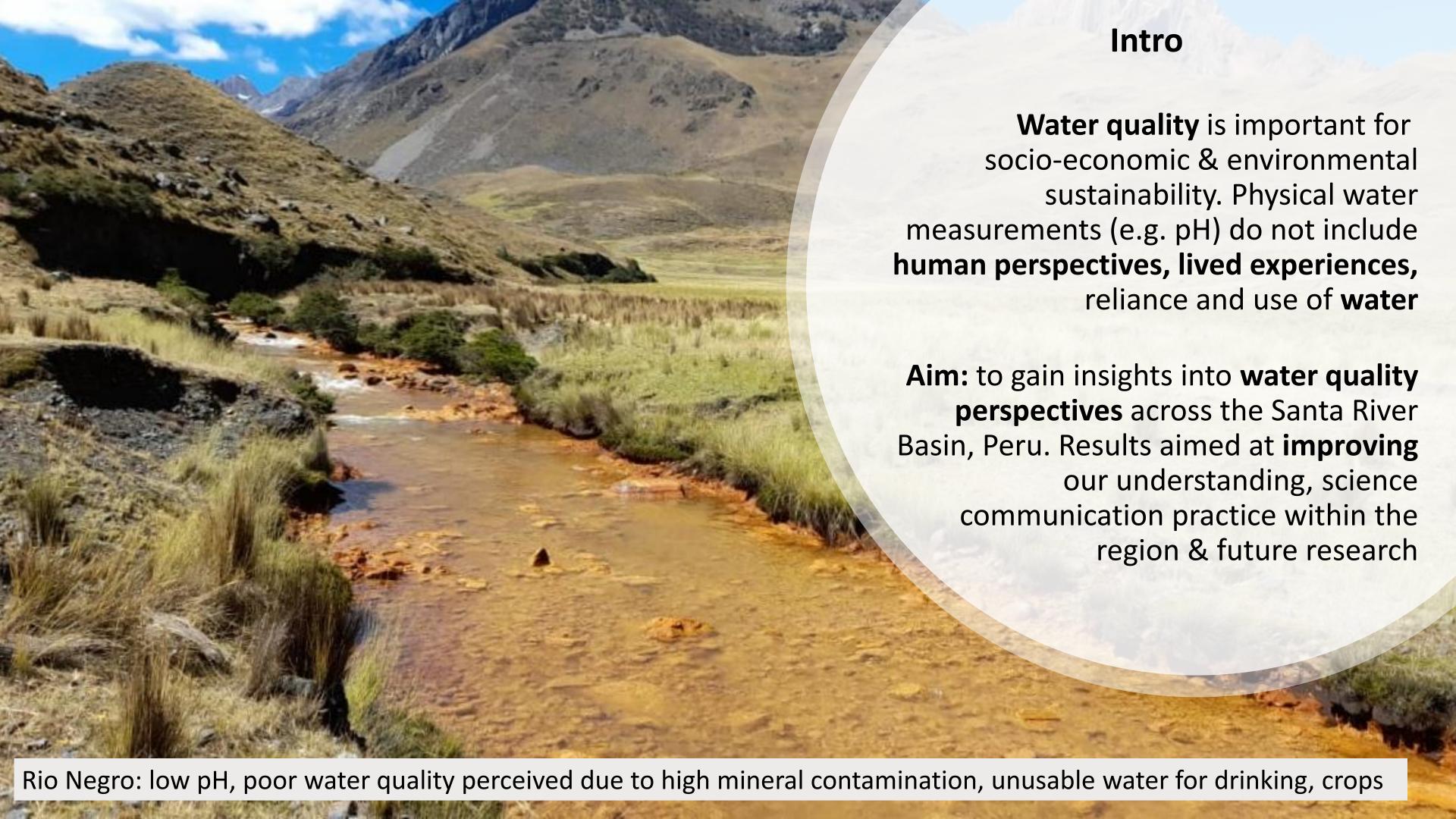


Citizen-led water quality data collection: Experiences from the Santa River basin, Peru

Sally Rangecroft, Rosa Maria Dextre, Isabel Richter, Claire Kelly, Cecilia Turin, Beatriz Fuentealba, Claudia V. Grados Bueno, Mirtha Camacho Hernández, Sergio Morera, John Martin, Adam Guy, and Caroline Clason

Contact: s.rangecroft@exeter.ac.uk





#### How?

We designed & launched a citizen science app for the Santa River basin to assess participants perceptions and emotions, and collect their images of water quality

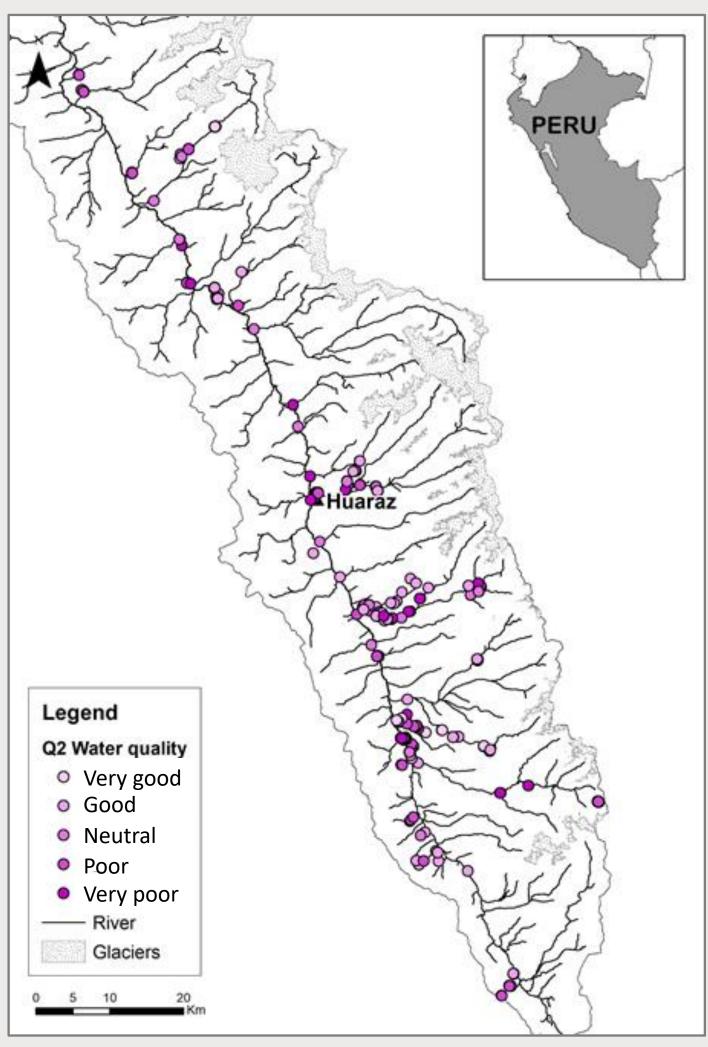




# Fieldwork was conducted in 18 rural & urban communities to engage participants (Summer 2021)

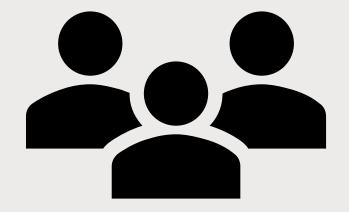
= 349 entries recorded & analysed





### Three key lessons learnt

1 Importance of direct interactions with local participants





### Three key lessons learnt

- 1 Importance of direct interactions with local participants
- Water quality is a complex concept to gather perceptions on





#### Three key lessons learnt

1 Importance of direct interactions with local participants

- 2 Water quality is a complex concept to gather perceptions on
- 3 Community desire for co-design of solutions



#### **Summary reflections**

- Importance of fieldwork
- The term "water quality" was interpreted differently by respondents, and often needed clarification
- Key role of exploring emotions, although interviews allowed for a deeper analysis of these
- Good reception of the project because of its different approach
- Participants appreciated an opportunity to be heard, to express their opinion and knowledge
- High expectations on the results importance of dissemination (often difficult in the timeframe of smaller projects)
- Community desire for engagement and openness to the co-design of solutions
- Local guides & gatekeepers are incredibly important for data collection directly with people
- When thinking about the approach as a whole, why did people not use the app by themselves?







## Thank you!

Any questions?

Dr Sally Rangecroft: s.rangecroft@exeter.ac.uk

@srangecroft

@NuestroRioPeru

https://nuestrorio.wixsite.com/proyecto



