Contribution ID: **148** Type: **Oral presentations**

Communicating Uncertainty in a Planetarium

Tuesday 27 August 2024 16:10 (20 minutes)

Missing and sparse data and the associated uncertainty are inevitable in science, and their accurate portrayal is essential for upholding scientific transparency and credibility. Yet revealing uncertainty can be seen as unfavourable in science outreach. Our study, theoretically initiated in Nature of Science, focused on conveying incomplete data on Venus's upper atmosphere to an adolescent audience in a planetarium. Through design-based research, we found that translating data into a Voronoi diagram can make the concept of sparse data understandable and aesthetically pleasing to a broader audience. However, it may come at the cost of lower perceived accuracy.

How would you like to present your contribution?

Live in Kraków (time slot to be allotted based on the programme)

Target education level

Secondary

Category

Non-formal Education

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