Biodiversity Counts! A Jigsaw Activity

- Link to lesson guide
 - ■ 1_Lesson Guide_Biodiversity counts
- Link to presentation slides
 - 2_Presentation slides_Biodiversity counts
- Link to Basics video
 - https://youtu.be/kfhDh1vb4IYb
- Link to Basics quiz
 - S_Basics Quiz_Biodiversity counts.docx
- Link to worksheets
 - - 7_Worksheet_AlphaDiversity_Biodiversity counts.docx

 - **■** 9_Worksheet_PercentStackedBarplot_Biodiversity counts.docx

Activity	Suggested Time	Notes
Warm up and instructions (Slides 1-12)	12 min	Ask students to sit in teams of 4-6 people. Facilitate discussion. Encourage students to think individually before discussing with peers.
Part 1 (Slides 13-16)	8 min	Group work. Each team is assigned one graph. It is ok if two or more teams are assigned to independently work on the same graph, but it is important to make sure that all graphs have been assigned to at least one team. Teams try to interpret the graphs before having any background information on the actual experimental design.
Experimental design (Slides 17-23)	20 min	Each slide has a video that must be played (total viewing time 13 min). Encourage students to take notes. Briefly answer questions (if any).
Part 2 (Slide 24)	5 min	Group work
Part 3 (Slides 25-28)	12 min	Group work. One student in each team will have to play a portion of the interview. Videos range from 3-5 min.
New groups (Slide 29)	3 min	Make new teams. Each team should have (at least) one expert on each of the figures.
Part 4	15 min	Group work.

(Slides 29-30)		One student in each team will have to play a portion of the interview (2 min)
Part 5 (Slides 31-38)	10 min	Ask students to think about what questions they'd like to ask Maria. As time allows, play some of the videos with responses to the most common questions.
Total	85 min	

Additional notes:

- Before class, ask students to bring a laptop or tablet so they can complete the worksheet on their device.
- Print out a few worksheets in case some students can't bring device or it stops working (they can submit photos of completed worksheet