How does a planet become a world? Messeri asked this question during anthropological research carried out with NASA scientists. She worked with a small group that called themselves “The Mapmakers” as they transformed terabytes of digital images of Mars into a 3D interactive map meant for both scientific and public engagement. Extending from this project, this talk considers the worlding practices of planetary scientists and how social scientists and humanists might apply this planetary thinking to understandings of our own Earth.