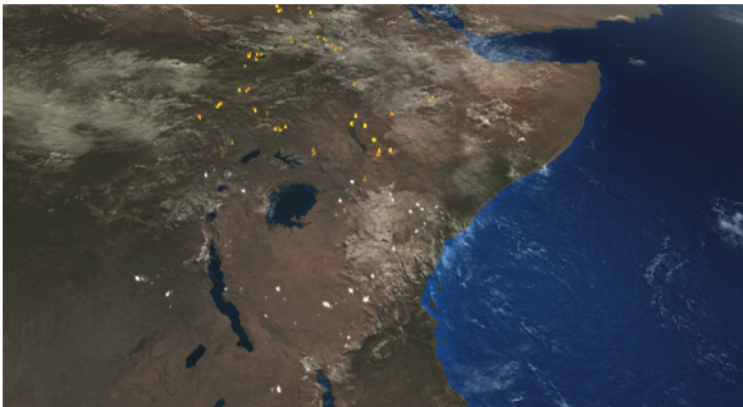




# machine graphics

## The Human Spark - PBS

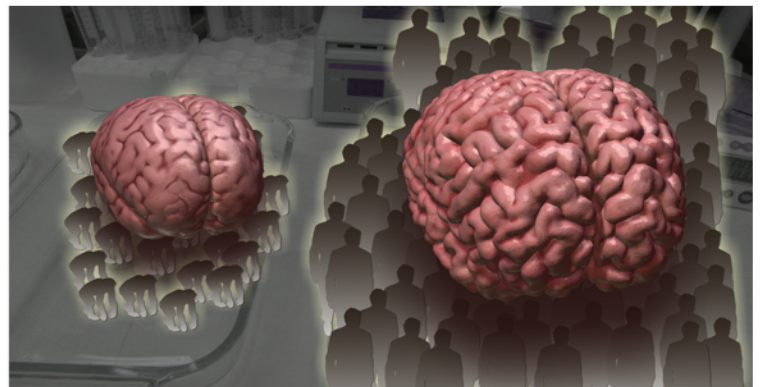
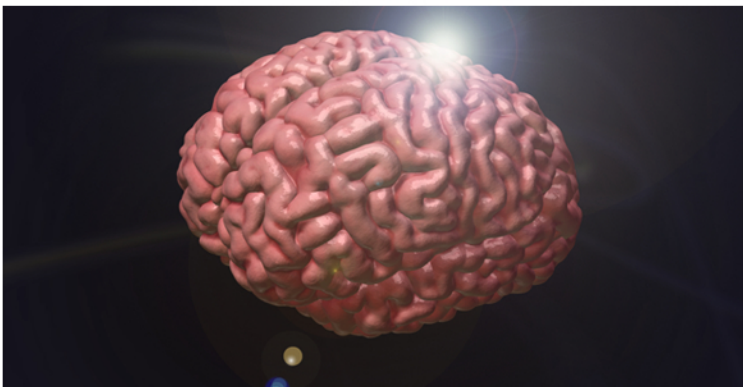
Three one-hour shows exploring the origins of human consciousness.  
We provided animated maps and 3D models of hominid skulls, early humans,  
and the human brain.



We used crowds of sparks and flames to represent different species of early hominids, shown here moving out of Africa and into Europe. The maps were created with Digital Elevation Data, accurate and very detailed.



A model of the *Skhul V* skull, with our facial reconstruction. The skull was created from reference photographs.



The human brain, modeled with ZBrush software. On the right, a comparison of chimp versus human brain size, proportional to the respective number of acquaintances.