SoS RARE is a project carrying out research to better understand Rare Earth Element (REE) deposit types, and ensure REE are responsibly sourced.

Research includes developing more efficient and environmentally-friendly ways to process REE deposits, and working on metrics to compare deposit characteristics.

The SoS RARE project is supported by the NERC (Natural Environmental Research Council) SoS MinErals program.

Each of the cards in this Happy Families set represents an element of interest for given technology applications, including topical critical, strategic and green energy metals. These have been allocated ‘family’ groups based on uses and characteristics.

Chemical symbol and atomic number are provided for each element, along with information about its discovery, important uses and the mineral in which it is most commonly found.