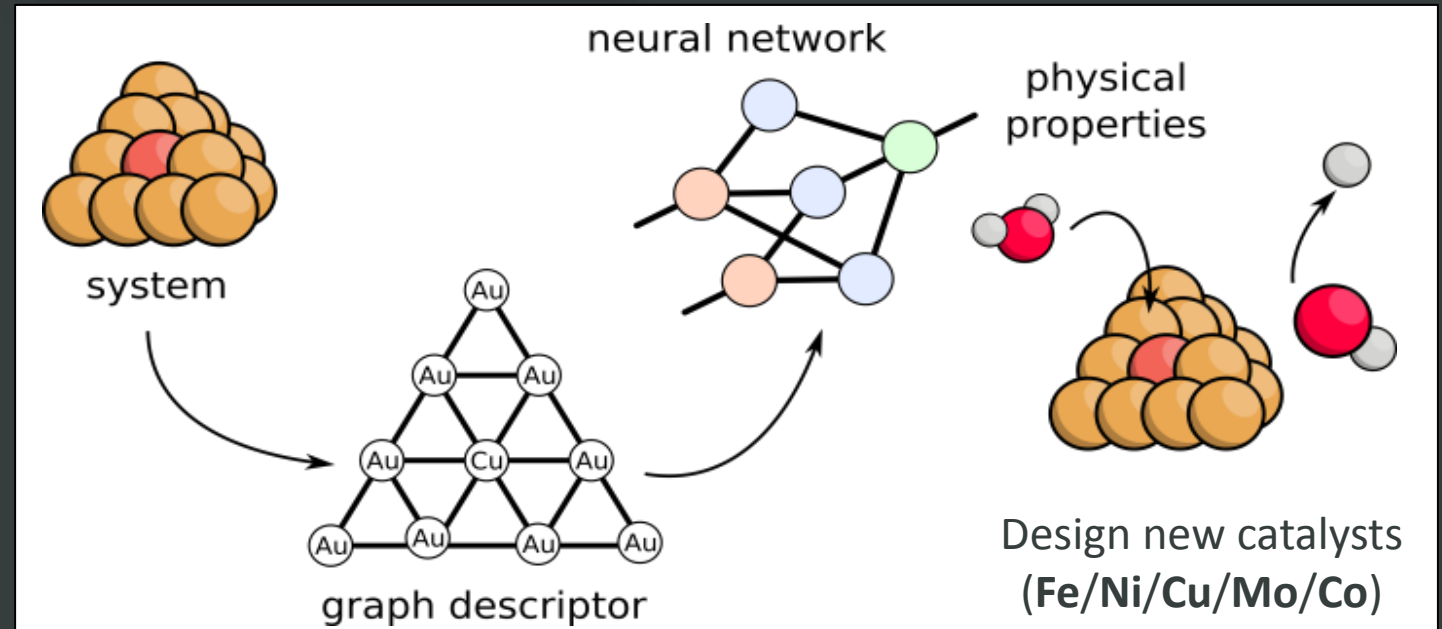
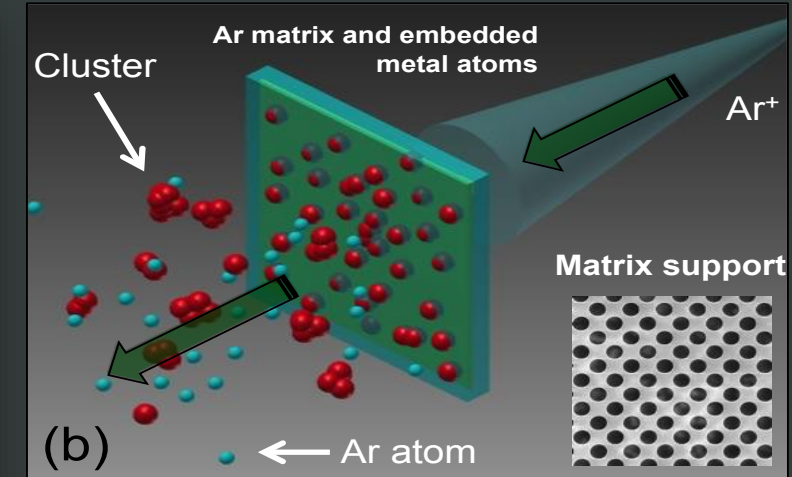
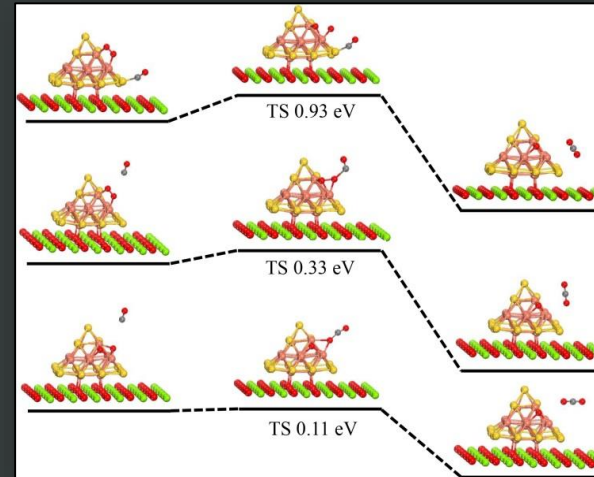
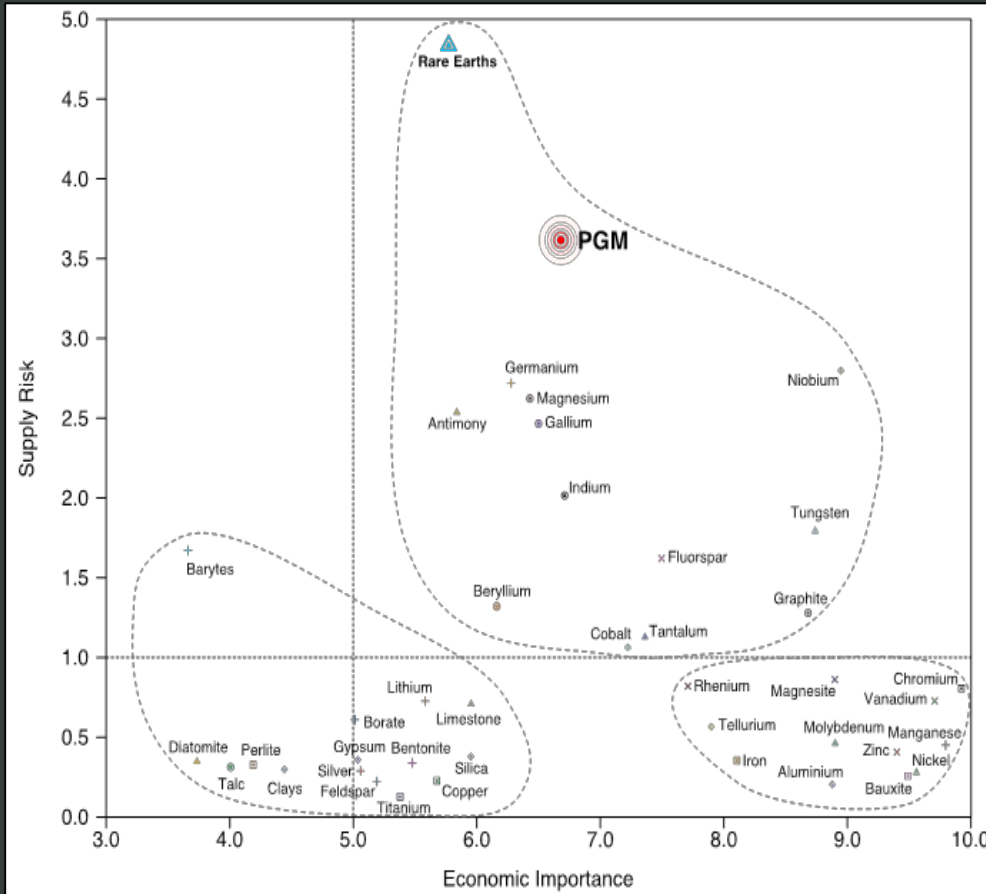


RATIONAL MATERIALS DESIGN AND DISCOVERY: CRITICAL MATERIALS REPLACEMENT



Critical Material: Platinum group metals...

- No primary production within the EU
- Recycling (consumer products) remains limited
- Many substitutes are PGMs themselves (Pt/Pd)...