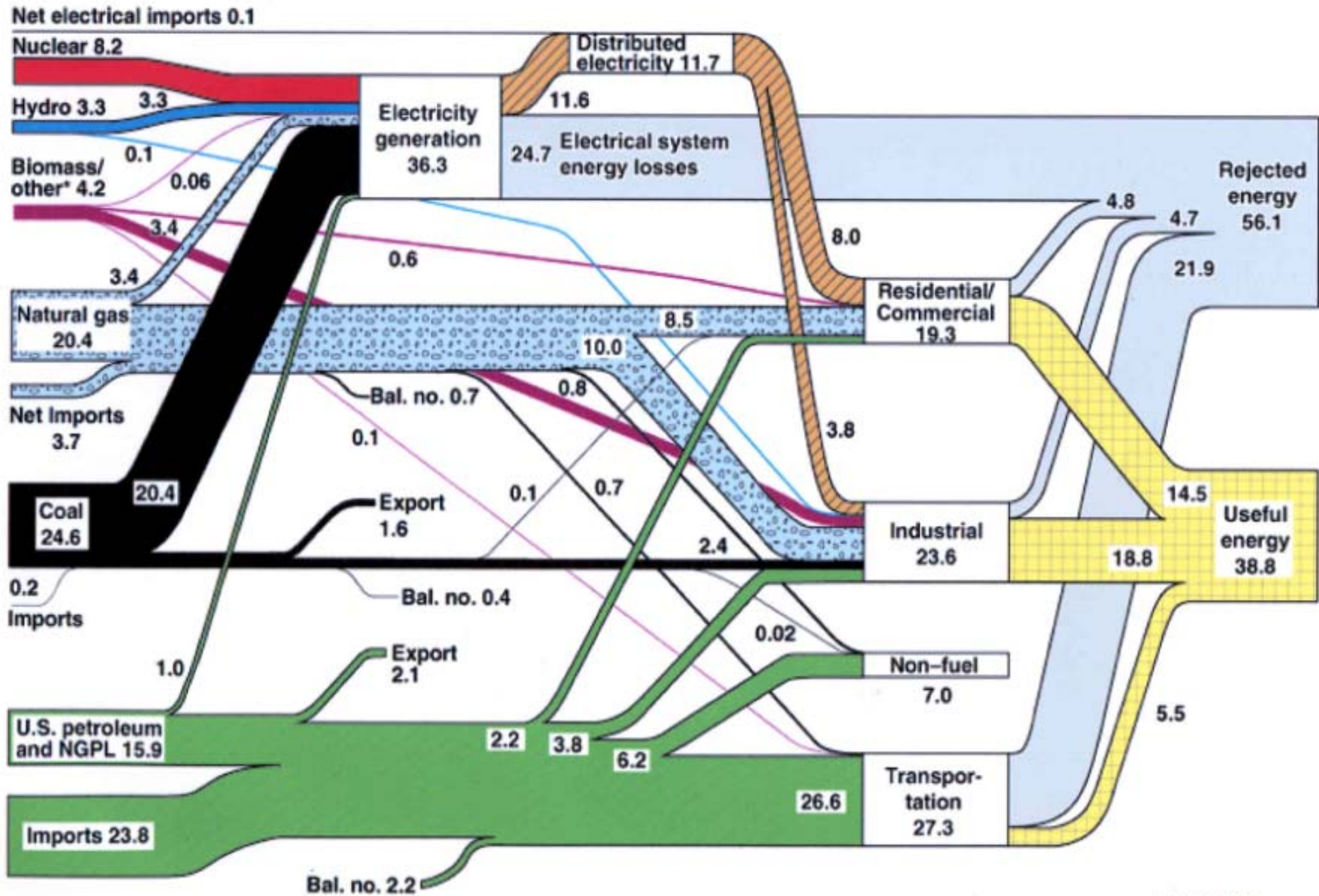


12-annexes

carbon dioxide : molecule of the life

- This molecule controls strongly the **Storage** of the **Sun energy : green** effect
- control of the **photosynthesis intensity**: Food production , land and Forest
- control the **acidity of the ocean**: erosion of the reef and the calcaire materials
- its level **increases from 250ppm to 380 ppm** during the last century **and expected 450 ppm** in 20 years
- **its emission regulation is a world challenge**



Source: Production and end-use data from Energy Information Administration, *Annual Energy Review 1999*
 *Biomass/other includes wood and waste, geothermal, solar, and wind.
 European Parliament STOA 22 /3/2011
 EMRS/UPMC