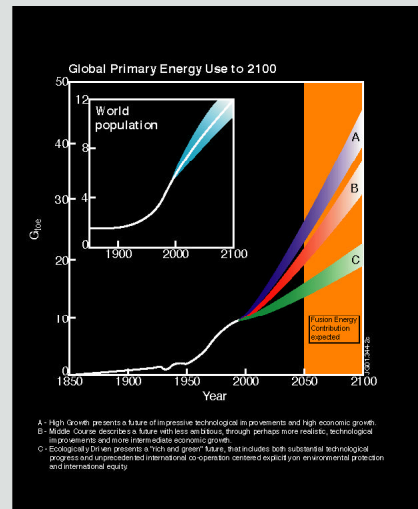
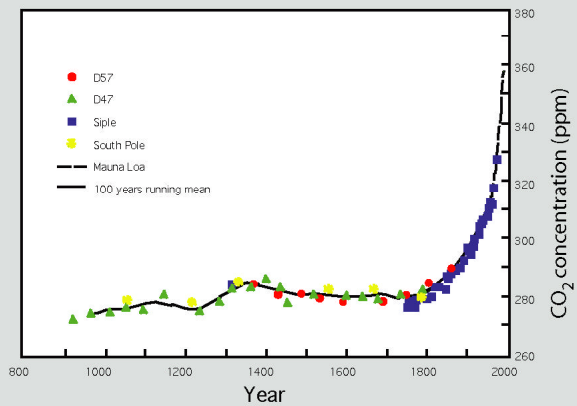


WHY FUSION ?

- World energy demand will increase dramatically in the next decades, mostly as a result of the improved living standards in the developing countries.
- Currently world energy production relies dominantly on fossil fuels (i.e. oil, gas, coal) as well as on fission and renewables (mainly hydro).
- Sustainable energy production must satisfy the following conditions:
 - Avoiding emissions of greenhouse gases.
 - Security of supply.
 - Sustainability of resources (availability and use).
 - Social acceptability.
 - No waste burden to future generations.



Growth in population and energy demand



CO₂ concentration over past 1000 years from ice records in Antarctica and from Mauna Loa, Hawaii.

**FUSION IS A LONG-TERM OPTION FOR CONTRIBUTING
TO SUSTAINABLE DEVELOPMENT**