

# Welcome to the working session WS-2



## Climate and sustainable Energy

# Objective

- Energy for sustainable development, energy security, adaptation and mitigation

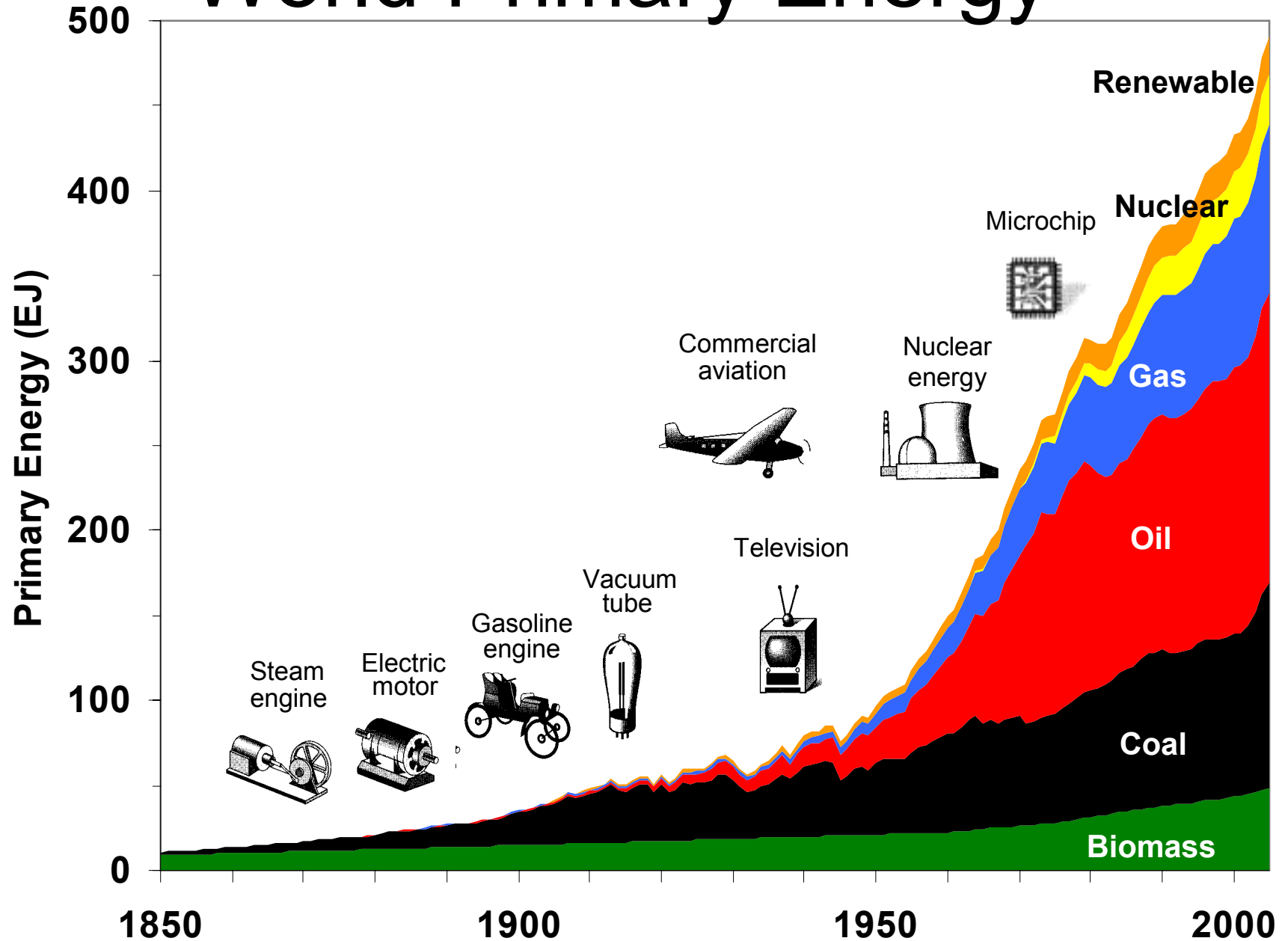
## **Fact sheet #7**

# **Climate information for sustainable energy**

[www.wmo.int/wcc3](http://www.wmo.int/wcc3)

[www.wmo.int/wcc3/documents/WCC3\\_factsheet7\\_energy\\_EN.pdf](http://www.wmo.int/wcc3/documents/WCC3_factsheet7_energy_EN.pdf)

# World Primary Energy



	1800	2000	$\Delta f$
Population (billion)	1	6	x6
GDP (trillion 1990 \$)	0.3	30	x100
Primary energy (EJ)	13	420	x30
CO <sub>2</sub> emissions (GtC)	0.3	6.4	x20
Mobility (km/person/day)	0.04	40	x1,000



# ISSUES

- Managing climate risks and opportunities for the energy sector
- Climate information in support of current and future energy planning
- Identifying the needs of the energy sector in the face of a changing climate
- Climate information for mitigation and adaptation in the energy sector
- .....many more.....