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SPAIN
AS MEMBER STATE
CANDIDATE IN HYWAYS II

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HyWays MS WORKSHOP
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ENERGY DATA 2002 (IEA source)

Population: 40.55 m

Surface: 500 000 Km²

TPES: 131.56 Mtoe

Renewable: 7.1 Mtoe → 5.4%

5.4 %

Hydro 28 %

Solar, Wind, 11.3 %

Combustible RE and Waste 60.7%

Energy production: 31.74 Mtoe

Electricity consum: 232.16 Twh (5726 Kwh/capita)

CO2 emission: 303.41 Mt (7.48 t/capita)

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INTA: National Institute for Aerospace Technology

Hydrogen and Fuel cells activities:

- Solar Hydrogen Production 1990-1992 (Huelva)
- Aerospace hydrogen utilization
- Fuel cell pilot plants (1995 –1997)
- Fuel cell components test bench
- Fuel cell system test bench 10 Kw
- System Integration
- Codes and standards committees
- Hydrogen vehicle homologation

European projects participation:

EIHP, FEBUSS, RES2H2, FIRST, HYSOCIETY, STORHY, FCTESTNET,

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INTA representative activities:

- **National hydrogen association chairmanship**
- **IEA Hydrogen Implement Agreement Executive committee spanish representative since 1996**
- **Participation in the Hydrogen co-ordination Group (HGC) of IEA during 2003-2004 in order to inform to the national governments of the IEA hydrogen activities.**
- **Collaboration with the Science and Education Ministry in order to create a spanish hydrogen platform which target is to plan an strategy in Spain to develop the hydrogen economy and drive its achievement.**

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MS candidature support:

- The potential participation of Spain in the Hyways phase II is supported by the Science and Education Ministry who will give us a letter of commitment, and by the spanish industry that is participating in this project.
- At the same time, INTA, together with some other spanish institutes and industries is trying to start a spanish project in order to define the spanish strategy in the hydrogen economy, with subsidies of the government.

THANK YOU VERY MUCH FOR YOUR ATTENTION