

# ASTOR

**Assessment and Testing  
of Advanced Energy Storage Systems  
for Propulsion and Other Electrical  
Systems in Passenger Cars**

# ASTOR - Partners

European Commission



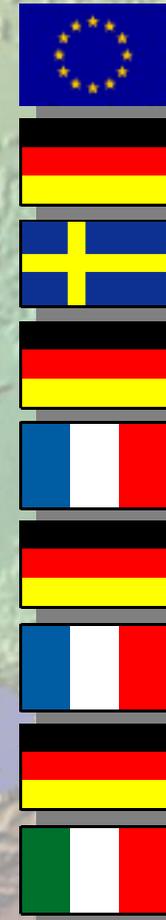
PSA PEUGEOT CITROËN



FIAT



OPEL



## ASTOR - Test Institutes

**Catella G**



**E.I.G.S.I.**



**ENEA**



**FfE**



**FKA**



**ISET**



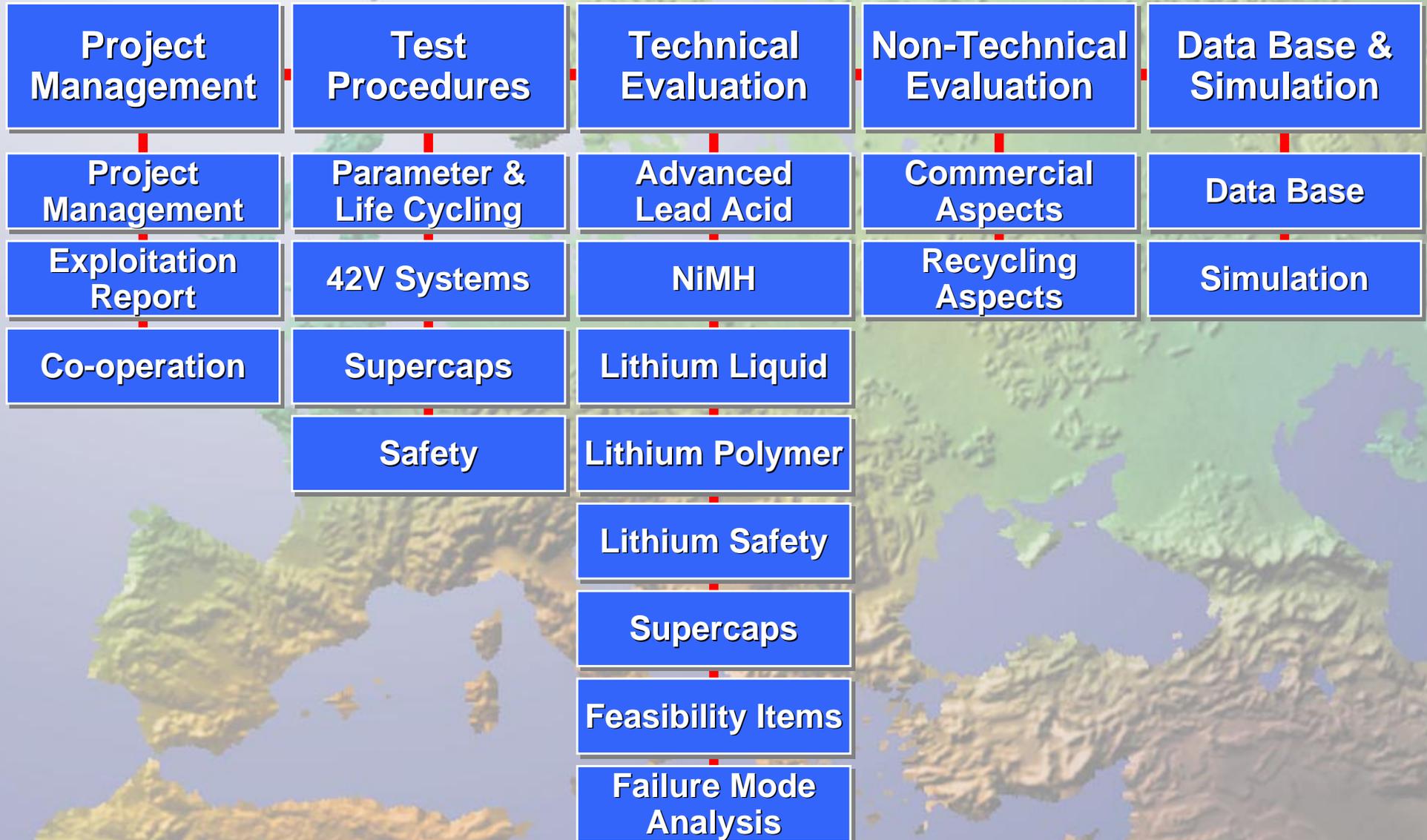
**ZSW**



## ASTOR - Objectives

- **Independent testing, technical and commercial assessment of electrical energy storage systems to be used as vehicle traction power or supporting traction power.**
- **Development of improved testing and evaluation techniques, in particular for:**
  - **high power storage devices, such as those to be used in hybrid or fuel cell electric vehicles.**
  - **42 V systems for the main vehicle electrical supply system.**
- **Provision of a data base of test and other non-technical information.**

# ASTOR - Work Packages



## ASTOR - Expected Results

- **Test procedures for parameter, life cycle and safety tests.**
- **Detailed test reports concerning performance, durability and safety.**
- **Reports on commercial, recycling and failure mode analysis aspects.**
- **Report on feasibility studies for long term technologies.**
- **Energy storage information common data base and simulation models.**

## ASTOR

- **Total Budget** 3.000 k€
- **EC Funding** 1.200 k€
- **Project Start** April 2001
- **Duration** 36 Month