

CE-IGT

CENTRES OF **E**XCELLENCE
FOR
INDUSTRIAL **G**AS **T**URBINES

Presented by: Christer Björkqvist

EuMIGT



EuMIGT

The Association
of
EUROPEAN
MANUFACTURERS
OF
INDUSTRIAL
GAS
TURBINES
G.E.I.E.

EuMIGT

- The association was formed in 1997 by gas turbine companies in Europe to strengthen the industry
- The association represents the industrial gas turbine manufacturers in Europe with individual unit powers up to 50 MW



EuMIGT

The Association
of
EUROPEAN
MANUFACTURERS
OF
INDUSTRIAL
GAS
TURBINES
G.E.I.E.

EuMIGT

- **Members of EuMIGT**
 - Alstom Power
 - MAN Turbomachinen
 - Nuovo Pignone
 - Rolls-Royce
 - Turbomeca group snecma
 - Volvo Aero
- **Associated members**
 - European universities, research centres, suppliers and end users

CENTRES OF EXCELLENCE FOR INDUSTRIAL GAS TURBINES

Proposal for Concerted Actions

Proposal No. NNE5-2001-00391

Acronym: CE-IGT

Thematic Programme
Energy, Environment and Sustainable Development

Call Identifier: ENERGIE5-G1
2000/C 303/12

Background to the CE-IGT proposal

- ✍ **On a global scale Europe cannot afford to**
 - fragment its research efforts or
 - waste resources through duplication or lack of co-ordination

- ✍ **Missing joint, co-ordinated initiatives involving industry, academic and research centres**

- ✍ **Technologies for the future require**
 - combined European research efforts and
 - capacities that are integrated to a far greater extent than at present

- ✍ **Need for strengthening the co-ordination of Industrial Gas Turbines research and innovation activities conducted in the EU and the accession states**

Background to the CE-IGT proposal

- ✍ IGT industry in the power range up to 50 MW is rapidly expanding due to the deregulation of the electricity market (leading to decentralised electric production and supply)**
- ✍ Development and demonstration of more efficient technologies are required in order to**
 - maintain and possibly increase market share**
 - meet the strategic priorities of EU, (i.e. energy and environmental, transport, employment and health policy)**

Participants

Co-ordinator

Aachen University of Technology

IST - Institute of Jet Propulsion and Turbomachinery

University of Genoa

**DIMSET - Department of Thermal Machines, Energy Systems
and Transportation**

EuMIGT

**The Association of European Manufacturers of
Industrial Gas Turbines**

Gaz de France (representing end users)

Direction du Transport - CEOS

Objectives

Translate the strategic priorities of the EU into future technologies for the European industrial gas turbine industry



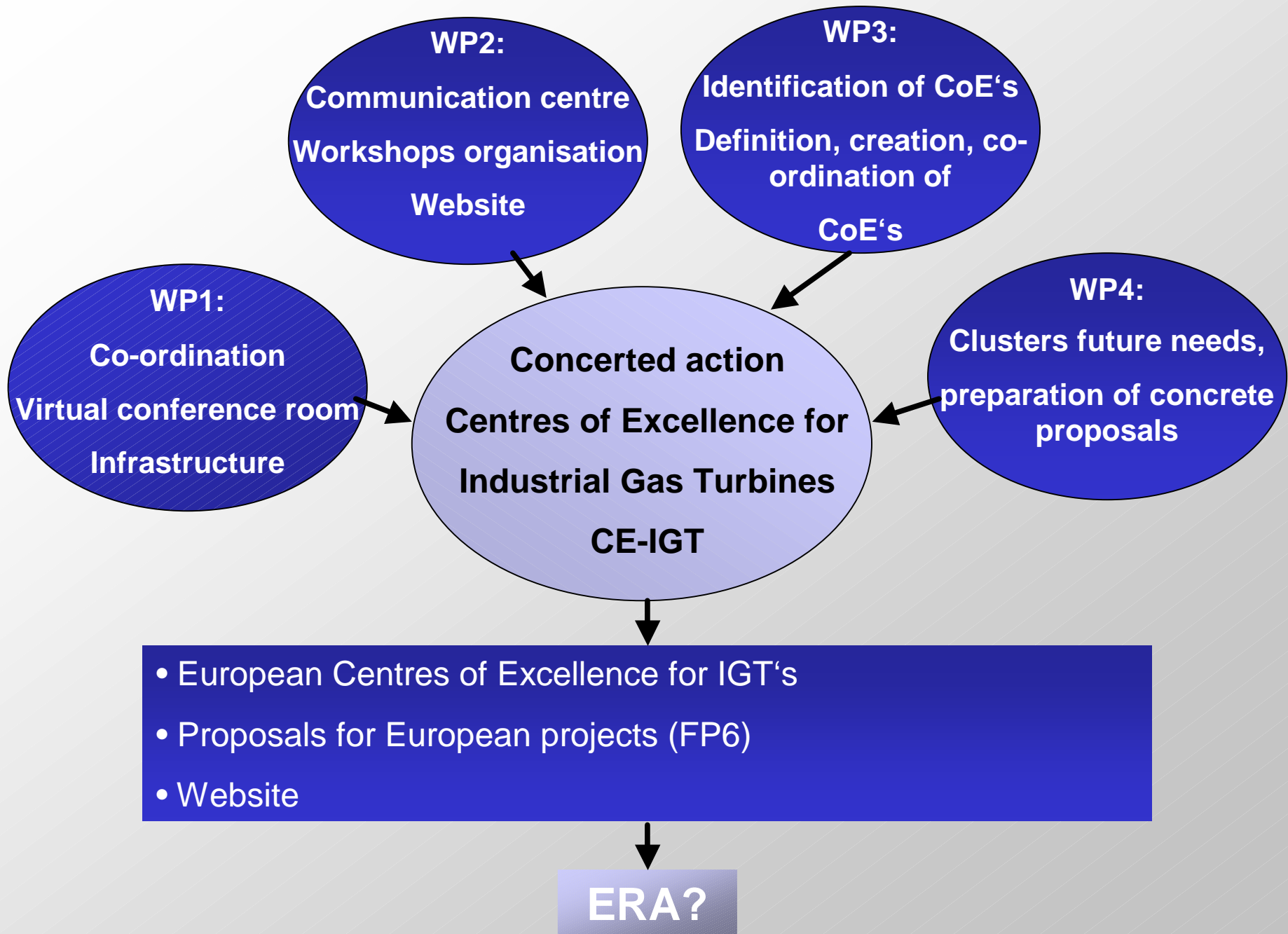
Identify and define future technology demonstration needs and requirements



Establish clearly defined research fields and appoint appropriate research institutions (CoE's)



Define and prepare in clusters European research projects where the CoE will play an essential role



Work Plan

